

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051734.D
 Acq On : 8 Oct 2018 14:34
 Operator : MD\SY
 Sample : J5165-08MSD 10X
 Misc : 5.88g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:38 AM

Quant Time: Oct 09 05:11:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	998461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	971113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	574234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	425083	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.59	113	393329	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.09	98	1487322	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.40	95	544517	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	439398	53.272	ug/l	99
3) Chloromethane	2.06	50	354875	47.218	ug/l	99
4) Vinyl Chloride	2.18	62	544752	46.013	ug/l	100
5) Bromomethane	2.54	94	426039	46.794	ug/l	99
6) Chloroethane	2.69	64	364785	45.845	ug/l	99
7) Trichlorofluoromethane	3.00	101	938835	76.897	ug/l	99
8) Diethyl Ether	3.41	74	173336	50.242	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	323075	49.097	ug/l	98
10) Methyl Iodide	3.95	142	416009	47.918	ug/l	99
11) Tert butyl alcohol	4.80	59	153112	258.956	ug/l	98
12) 1,1-Dichloroethene	3.73	96	294049	47.945	ug/l	98
13) Acrolein	3.61	56	80071	216.764	ug/l	98
14) Allyl chloride	4.32	41	414480	44.310	ug/l	98
15) Acrylonitrile	4.99	53	511701	250.792	ug/l	99
16) Acetone	3.82	43	360024	247.083	ug/l	99
17) Carbon Disulfide	4.05	76	822102	44.099	ug/l	100
18) Methyl Acetate	4.33	43	258553	53.842	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	981210	48.469	ug/l	99
20) Methylene Chloride	4.55	84	339328	47.406	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	345941	47.600	ug/l	93
22) Diisopropyl ether	5.96	45	922271	45.995	ug/l	97
23) Vinyl Acetate	5.90	43	3427542	232.477	ug/l	96
24) 1,1-Dichloroethane	5.85	63	589889	45.742	ug/l	99
25) 2-Butanone	6.84	43	597977	238.024	ug/l	98
26) 2,2-Dichloropropane	6.83	77	539042	41.711	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	401463	47.584	ug/l	95
28) Bromochloromethane	7.20	49	258057	45.200	ug/l	90
29) Tetrahydrofuran	7.22	42	390788	253.481	ug/l	93
30) Chloroform	7.37	83	696719	48.085	ug/l	97
31) Cyclohexane	7.66	56	530748	44.939	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	677520	48.242	ug/l	98
36) 1,1-Dichloropropene	7.79	75	506467	48.529	ug/l	98
37) Ethyl Acetate	6.93	43	270713	49.735	ug/l	98
38) Carbon Tetrachloride	7.78	117	626986	50.067	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	650176	49.630	ug/l	97
40) Benzene	8.04	78	1542405	49.854	ug/l	99
41) Methacrylonitrile	7.18	41	145377m	51.848	ug/l	
42) 1,2-Dichloroethane	8.13	62	510872	48.998	ug/l	99
43) Isopropyl Acetate	8.17	43	563811	49.682	ug/l #	86
44) Trichloroethene	8.84	130	445115	50.670	ug/l	99
45) 1,2-Dichloropropane	9.12	63	367183	48.003	ug/l	99
46) Dibromomethane	9.21	93	273254	51.394	ug/l	98
47) Bromodichloromethane	9.40	83	575476	49.168	ug/l	99
48) Methyl methacrylate	9.20	41	261617	50.451	ug/l	97
49) 1,4-Dioxane	9.20	88	85969	1105.618	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1470724	255.753	ug/l	98
52) Toluene	10.16	92	1056585	51.347	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	588664	48.742	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	612348	47.747	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	383650	52.337	ug/l	98
56) Ethyl methacrylate	10.43	69	487418	52.580	ug/l	96
57) 1,3-Dichloropropane	10.71	76	597235	51.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	993127	258.861	ug/l	96
59) 2-Hexanone	10.75	43	992069	254.026	ug/l	100
60) Dibromochloromethane	10.90	129	500115	52.134	ug/l	100
61) 1,2-Dibromoethane	11.01	107	415222	53.582	ug/l	100
64) Tetrachloroethene	10.63	164	440438	51.407	ug/l	99
65) Chlorobenzene	11.44	112	1218245	50.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	482024	50.053	ug/l	98
67) Ethyl Benzene	11.51	91	2071613	49.833	ug/l	100
68) m/p-Xylenes	11.62	106	1685199	101.315	ug/l	99
69) o-Xylene	11.95	106	830753	50.928	ug/l	97
70) Styrene	11.96	104	1328124	51.096	ug/l	98
71) Bromoform	12.13	173	362273	50.576	ug/l #	98
73) Isopropylbenzene	12.25	105	2232496	45.608	ug/l	100
74) N-amyl acetate	12.07	43	504203	49.826	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	490001	51.766	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	433909m	61.781	ug/l	
77) Bromobenzene	12.53	156	565079	47.213	ug/l	96
78) n-propylbenzene	12.59	91	2477611	46.406	ug/l	100
79) 2-Chlorotoluene	12.68	91	1435386	45.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1926762	46.707	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	140274	44.903	ug/l	100
82) 4-Chlorotoluene	12.77	91	1459095	46.159	ug/l	97
83) tert-Butylbenzene	12.99	119	1757053	47.535	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	2132943	51.620	ug/l	98
85) sec-Butylbenzene	13.17	105	2332170	47.698	ug/l	99
86) p-Isopropyltoluene	13.29	119	2125559	49.037	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1051782	50.431	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	1017776	49.579	ug/l	99
89) n-Butylbenzene	13.62	91	1692892	49.396	ug/l	99
90) Hexachloroethane	13.88	117	398944	46.130	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1037190	50.026	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82885	48.202	ug/l	93

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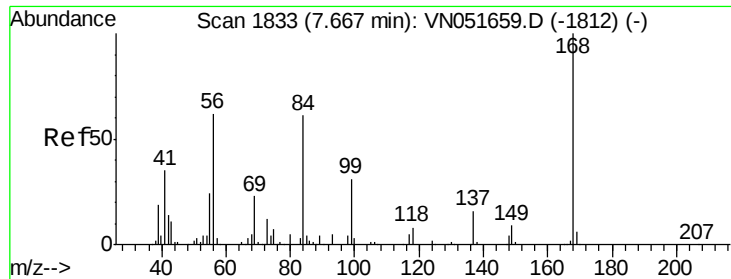
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	504437	54.677	ug/l	100
94) Hexachlorobutadiene	15.01	225	329186	52.590	ug/l	99
95) Naphthalene	15.13	128	1067987	53.607	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	484778	53.354	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051734.D

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Instrument :

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ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion:168 Resp: 658572

Ion Ratio Lower Upper

168 100

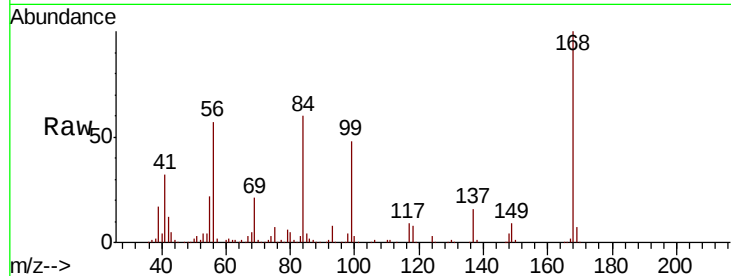
99 48.2 40.4 60.6

Manual Integrations

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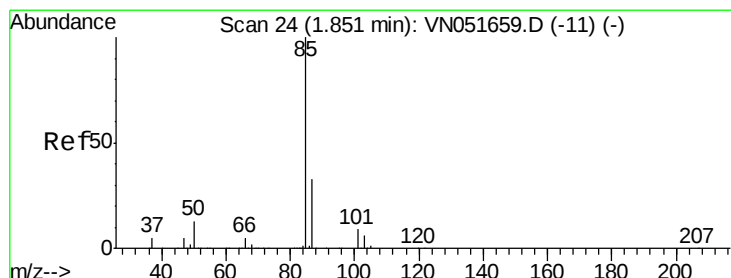
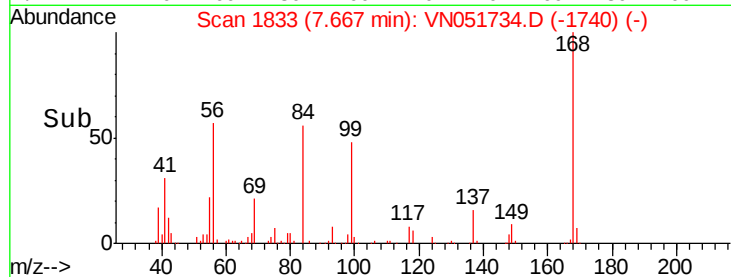
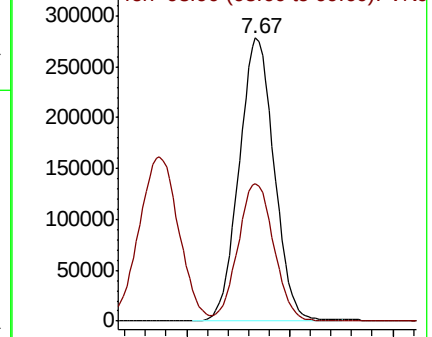
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.272 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051734.D

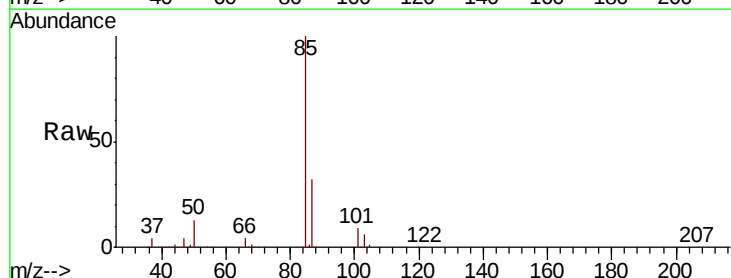
Acq: 8 Oct 2018 14:34

Tgt Ion: 85 Resp: 439398

Ion Ratio Lower Upper

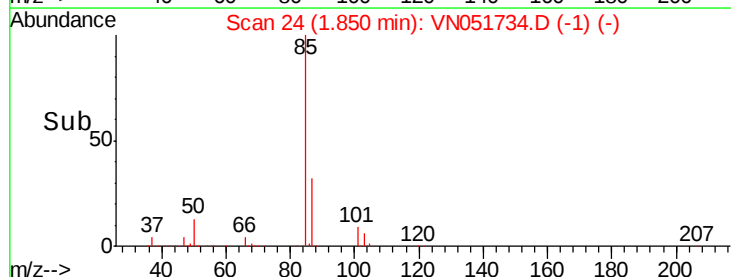
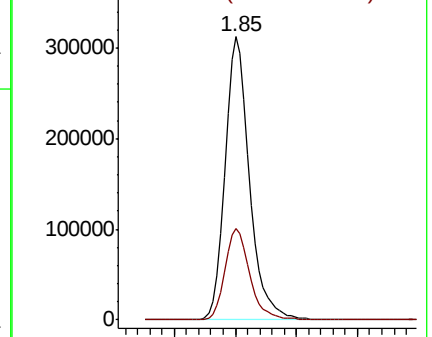
85 100

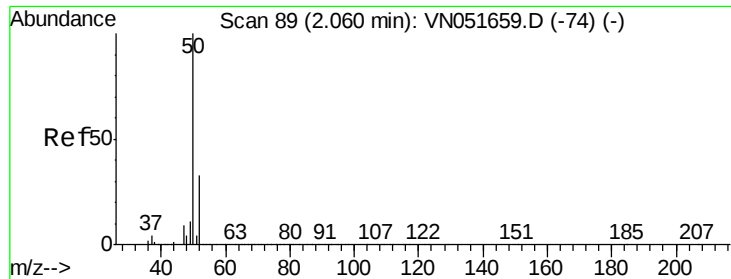
87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.218 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion: 50 Resp: 354875

Ion Ratio Lower Upper

50 100

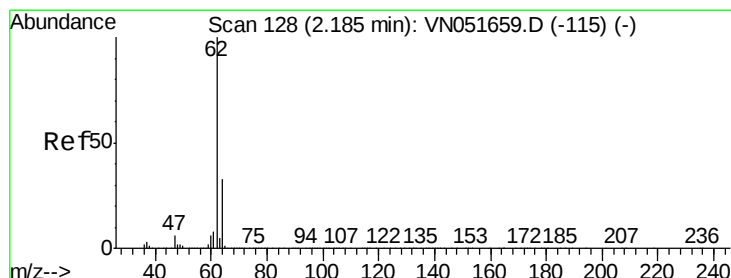
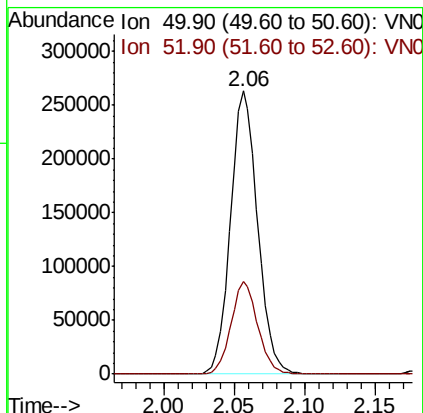
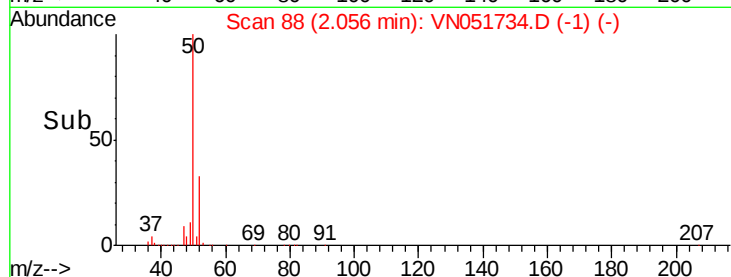
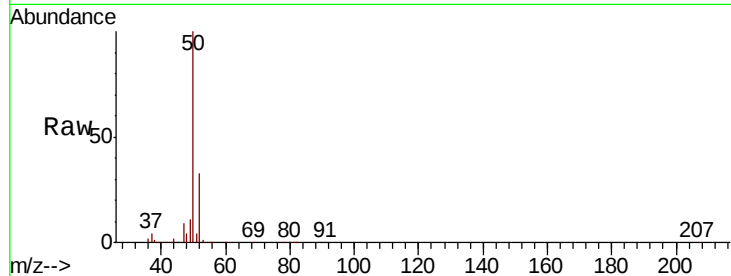
52 32.7 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.013 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051734.D

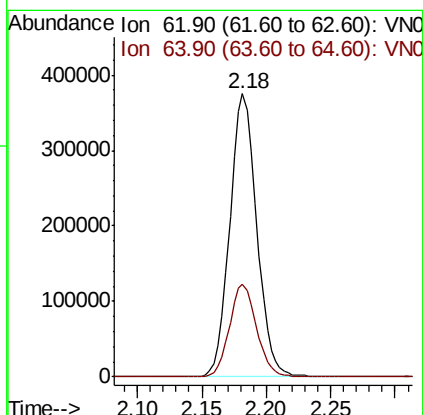
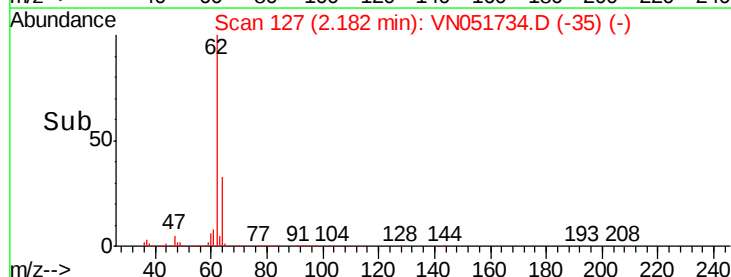
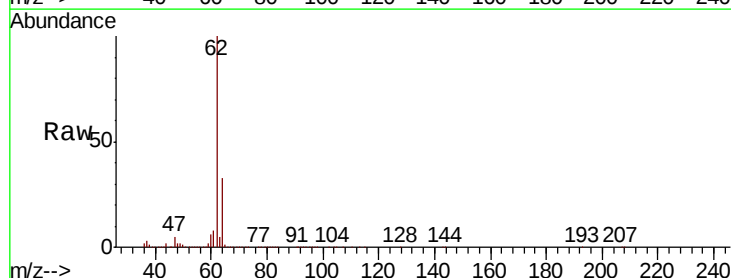
Acq: 8 Oct 2018 14:34

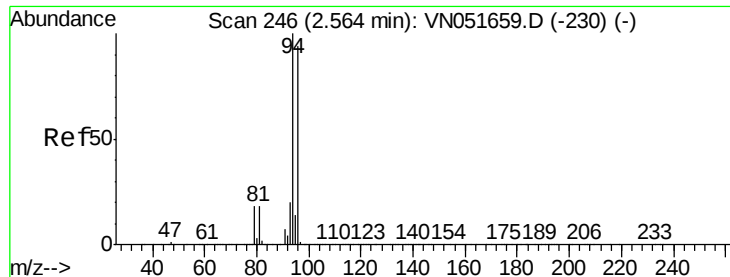
Tgt Ion: 62 Resp: 544752

Ion Ratio Lower Upper

62 100

64 32.9 26.2 39.4





#5

Bromomethane

Concen: 46.794 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

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Tot Ion: 94 Resp: 426039

Ion Ratio Lower Upper

94 100

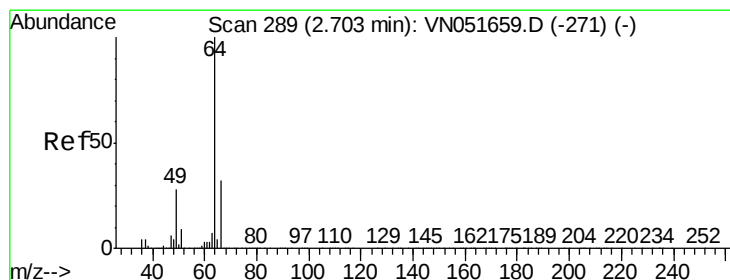
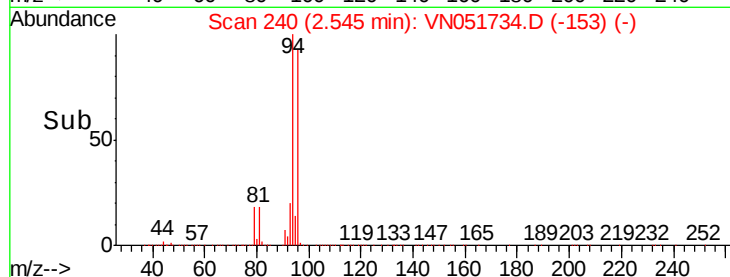
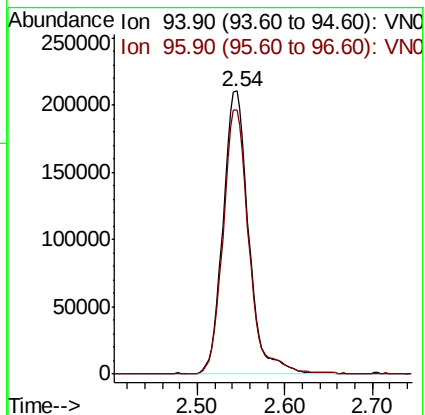
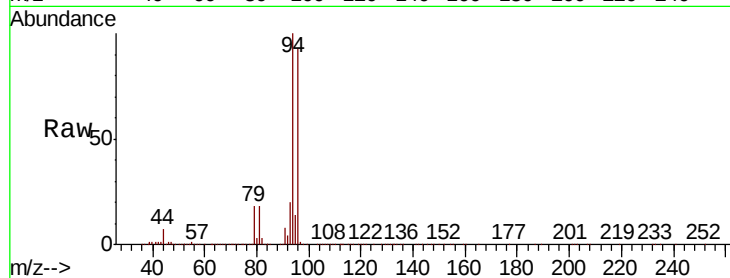
96 93.2 75.2 112.8

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#6

Chloroethane

Concen: 45.845 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051734.D

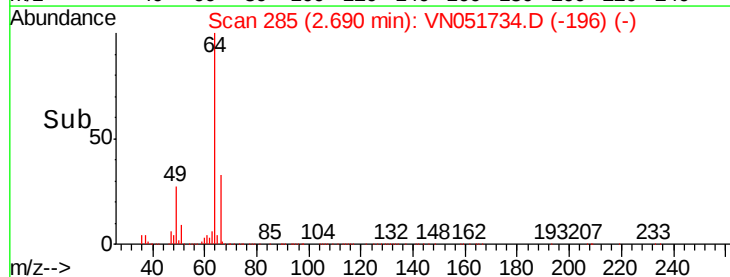
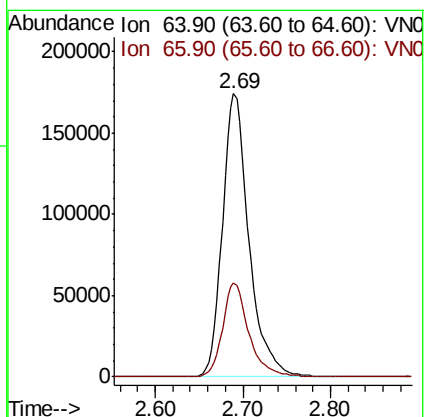
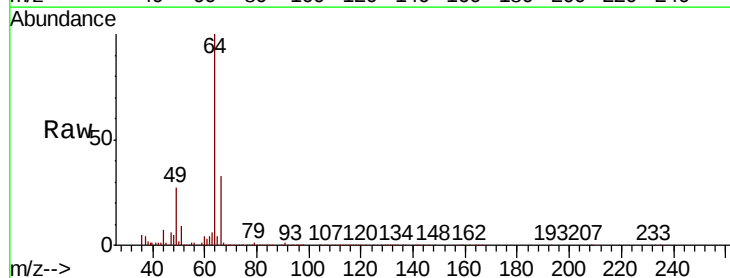
Acq: 8 Oct 2018 14:34

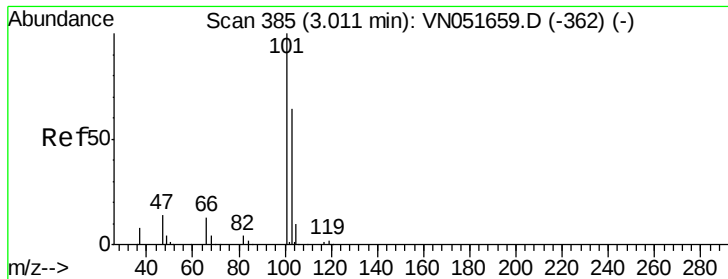
Tgt Ion: 64 Resp: 364785

Ion Ratio Lower Upper

64 100

66 33.1 26.0 39.0





#7

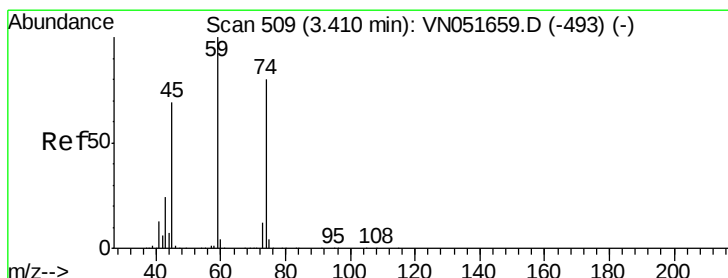
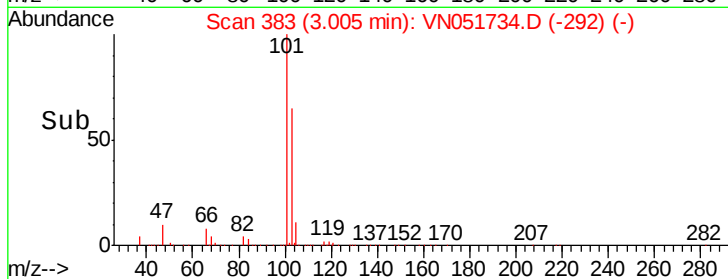
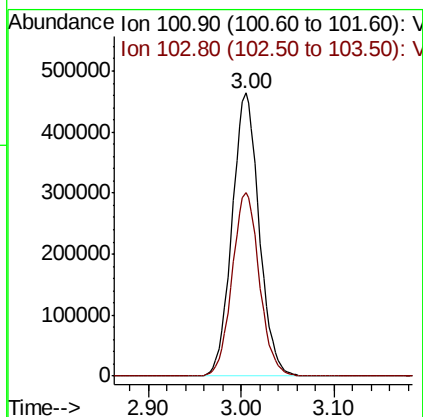
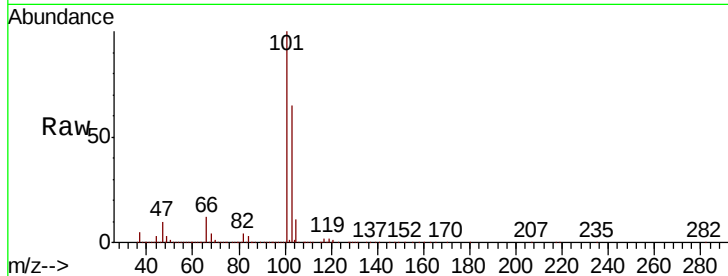
Trichlorofluoromethane
Concen: 76.897 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
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Tot Ion:101 Resp: 938835
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7

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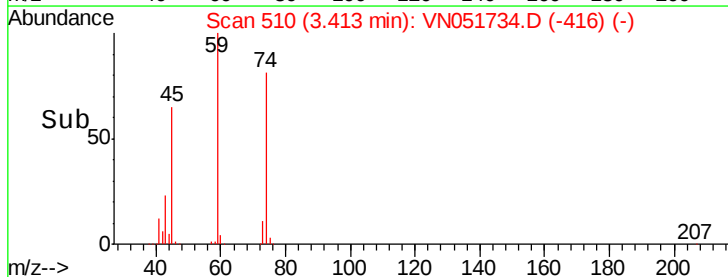
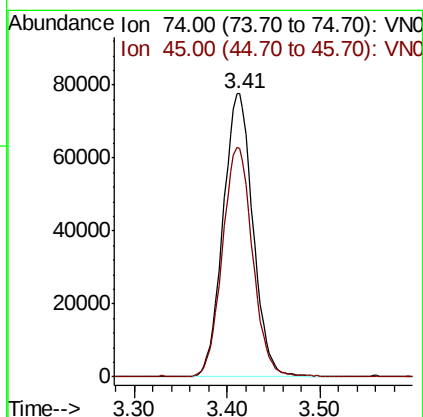
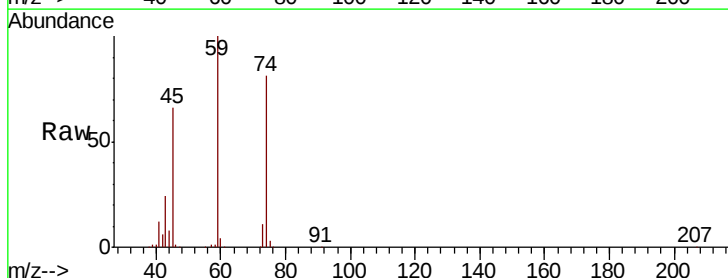
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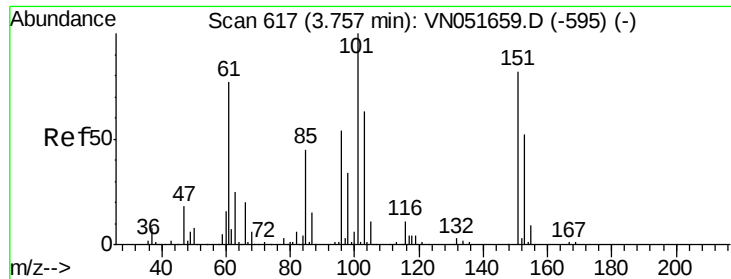


#8

Diethyl Ether
Concen: 50.242 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion: 74 Resp: 173336
Ion Ratio Lower Upper
74 100
45 81.5 44.3 132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.097 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

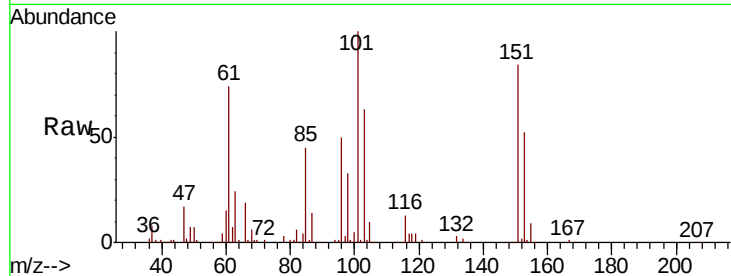
ClientSampleId :

EP1-MW-H-092718(7-10)MSD

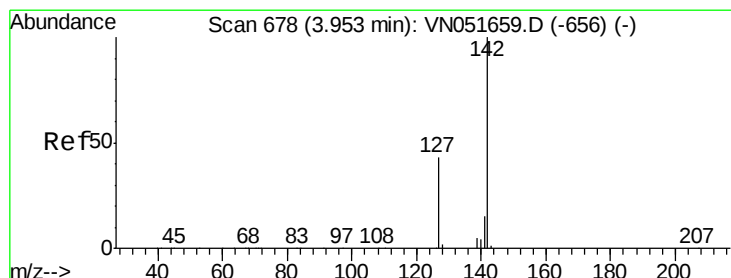
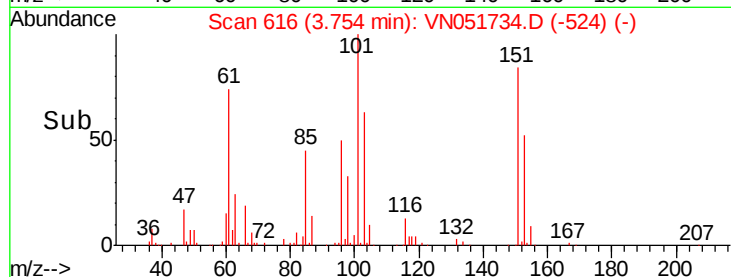
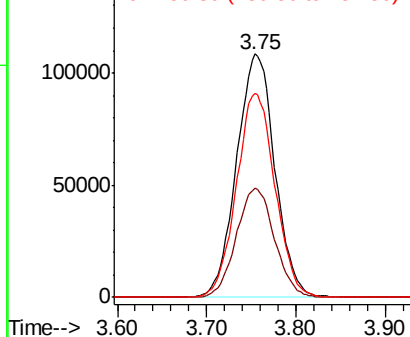
Tot Ion:	101	Resp:	323075
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.6	53.4
151	84.7	65.5	98.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.918 ug/l

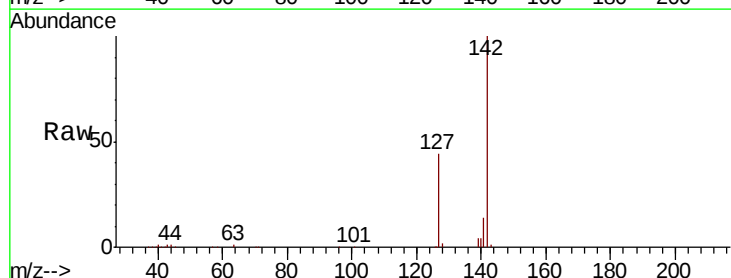
RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

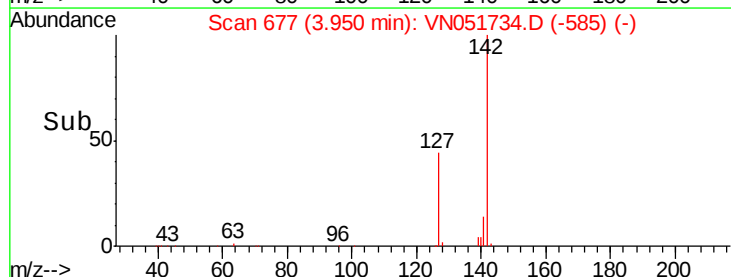
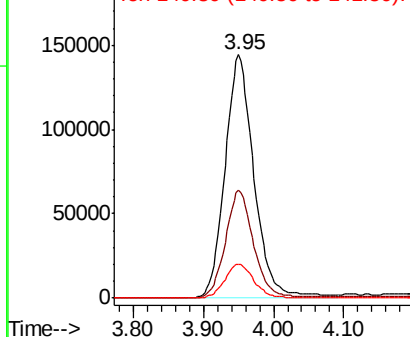
Lab File: VN051734.D

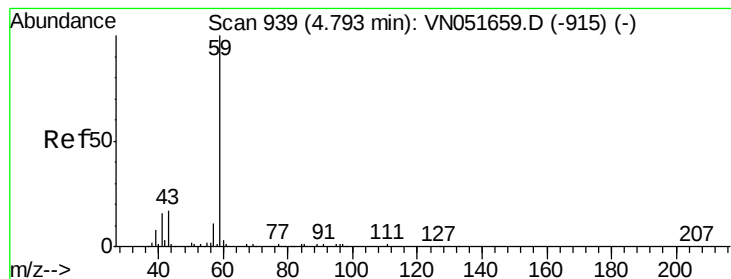
Acq: 8 Oct 2018 14:34

Tgt Ion:	142	Resp:	416009
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.7	52.1
141	13.9	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

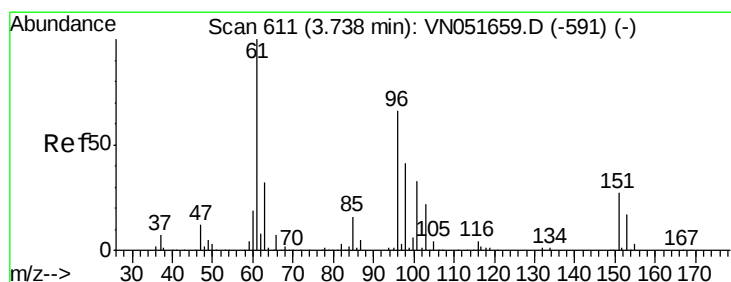
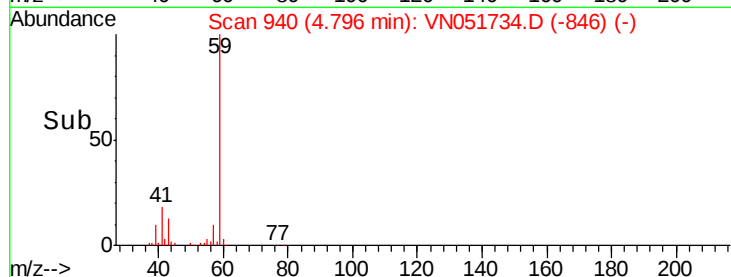
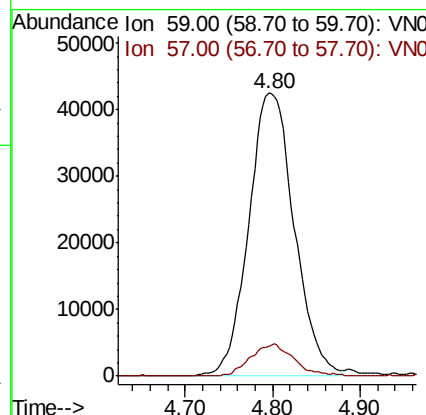
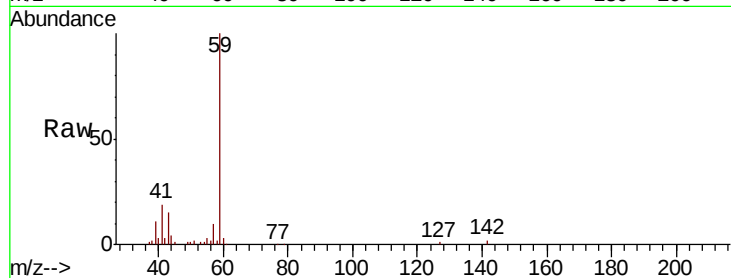
Tert butyl alcohol
Concen: 258.956 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.1	12.1

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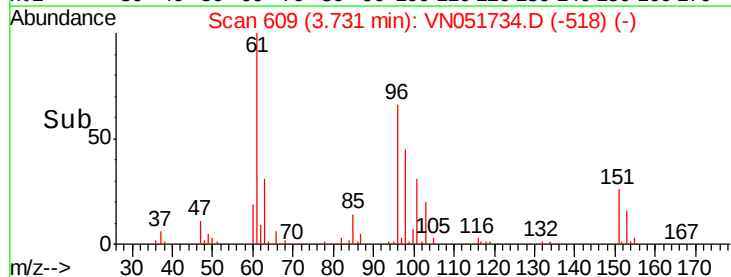
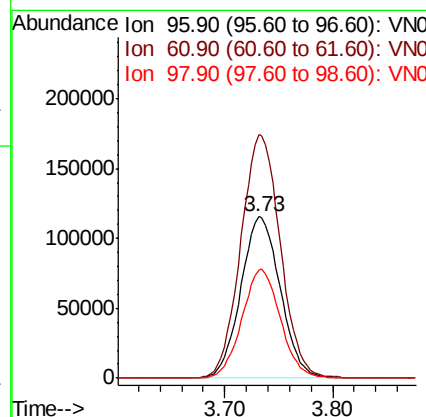
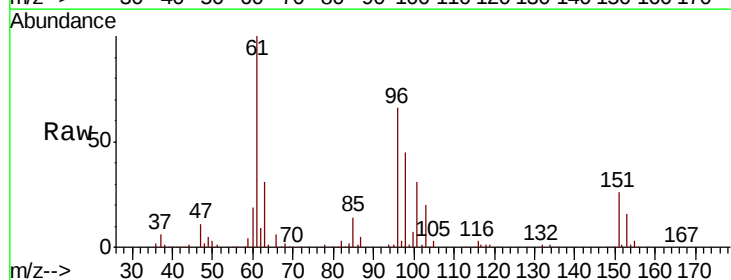
MMDadoda
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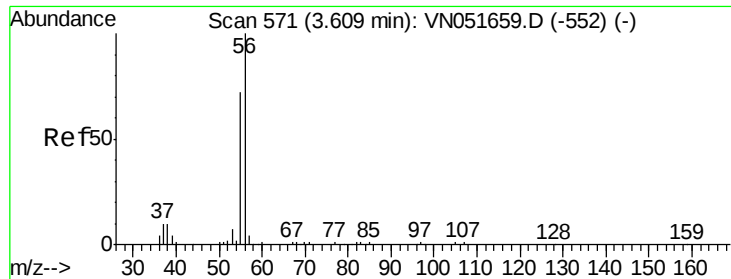


#12

1,1-Dichloroethene
Concen: 47.945 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.01 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	121.4	182.0
98	67.2	49.9	74.9





#13

Acrolein

Concen: 216.764 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion: 56 Resp: 80071

Ion Ratio Lower Upper

56 100

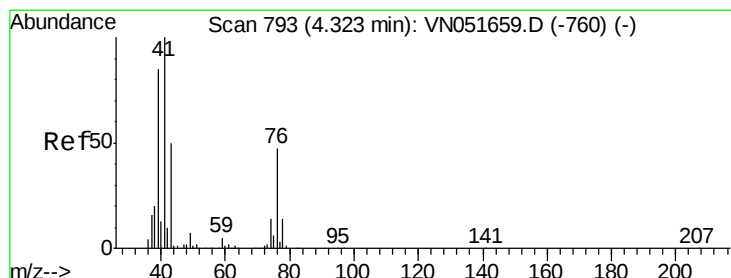
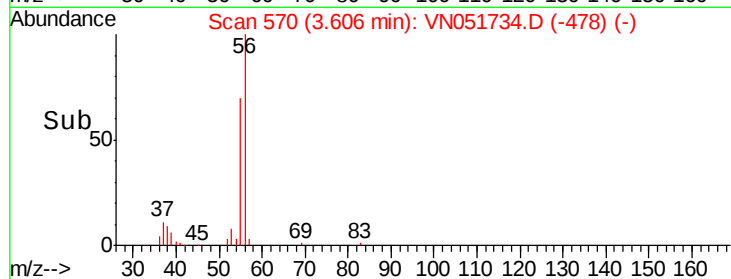
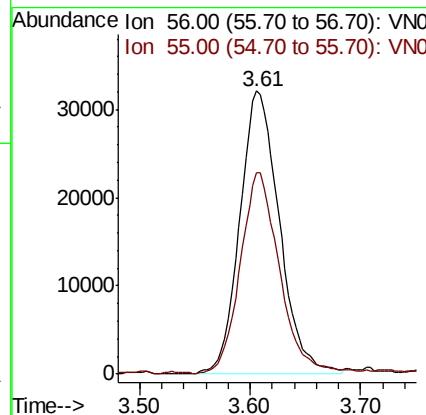
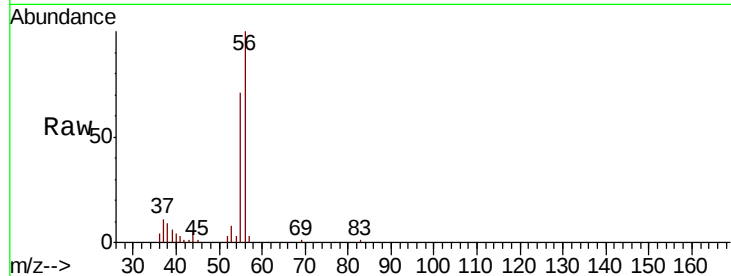
55 70.2 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 44.310 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

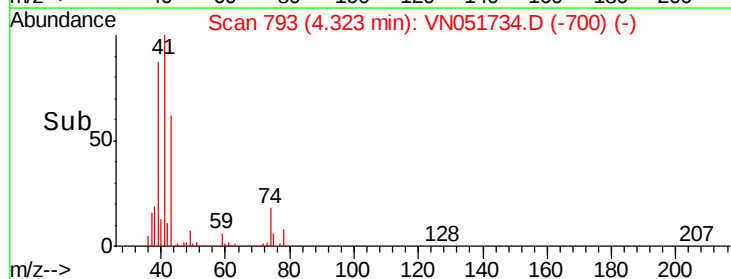
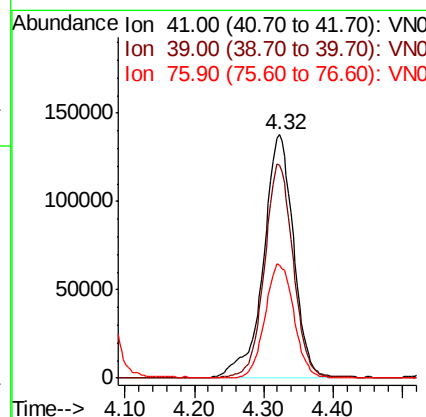
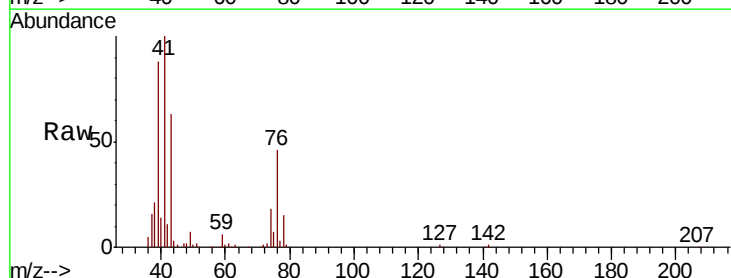
Tgt Ion: 41 Resp: 414480

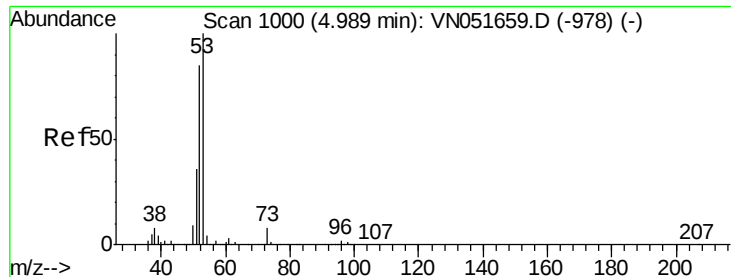
Ion Ratio Lower Upper

41 100

39 83.5 65.4 98.0

76 44.4 34.3 51.5





#15

Acrylonitrile

Concen: 250.792 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

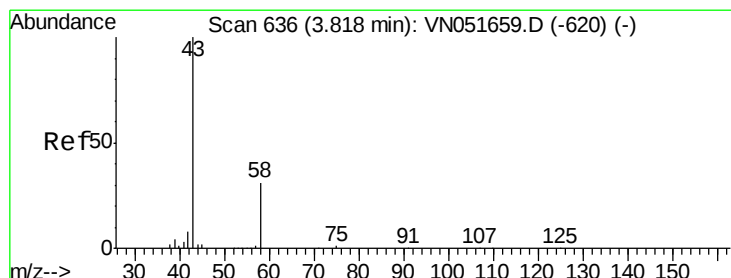
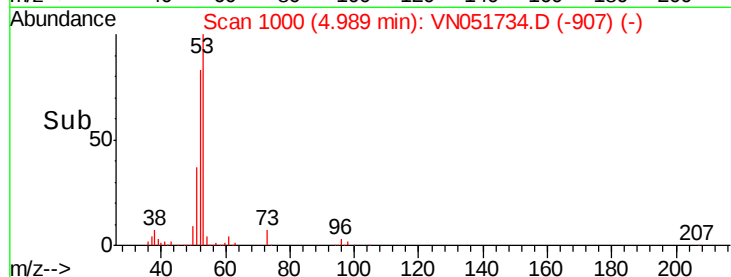
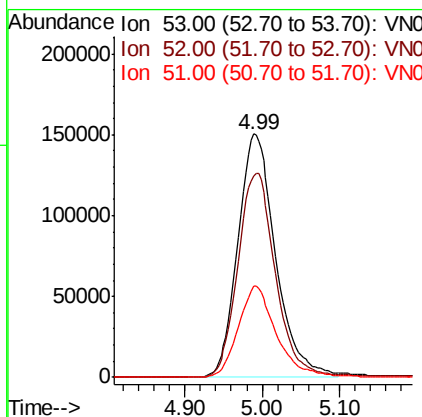
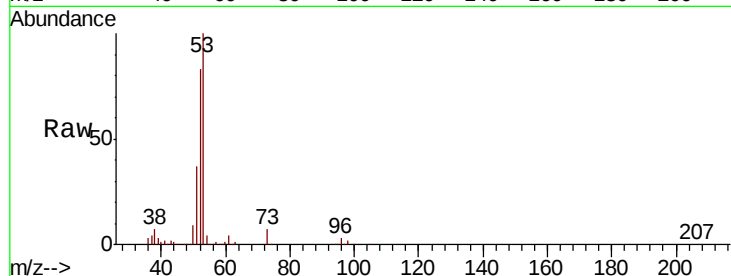
ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion:	53	Resp:	511701
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	37.8	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 247.083 ug/l

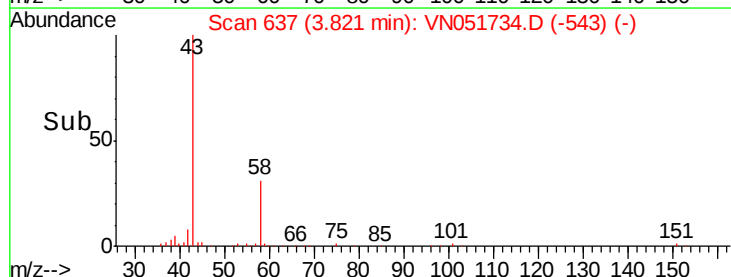
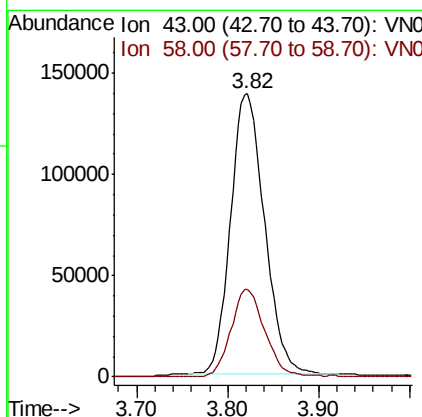
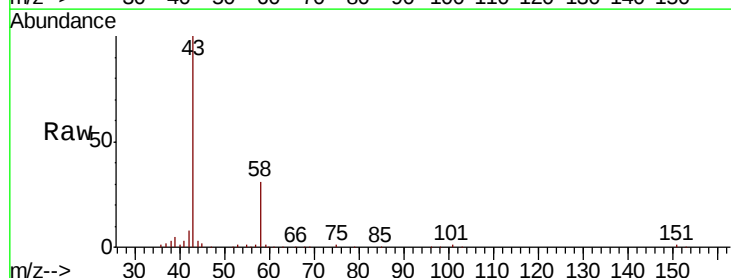
RT: 3.82 min Scan# 637

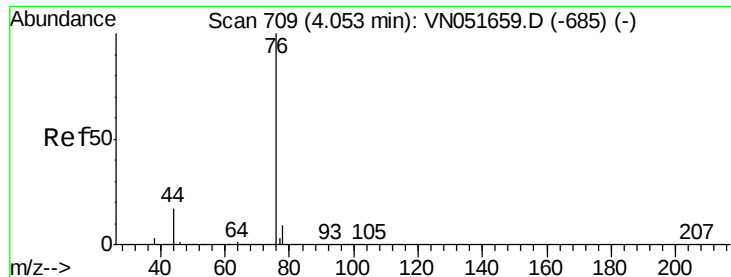
Delta R.T. 0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Tgt Ion:	43	Resp:	360024
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.3	36.5





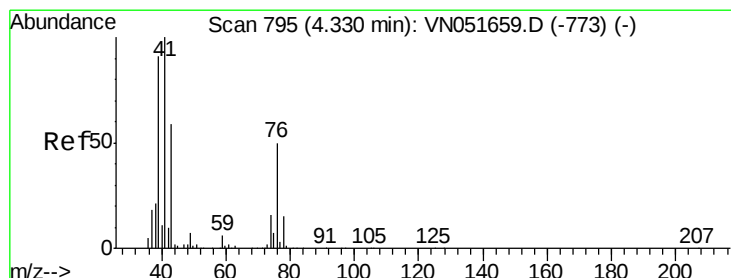
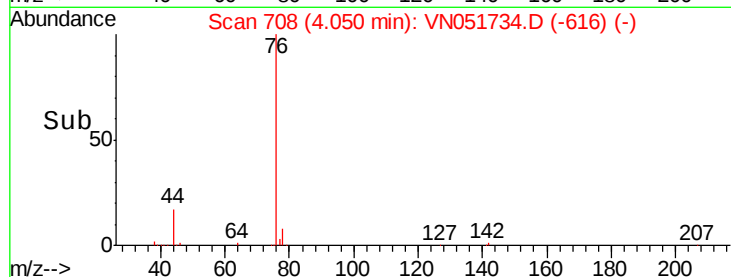
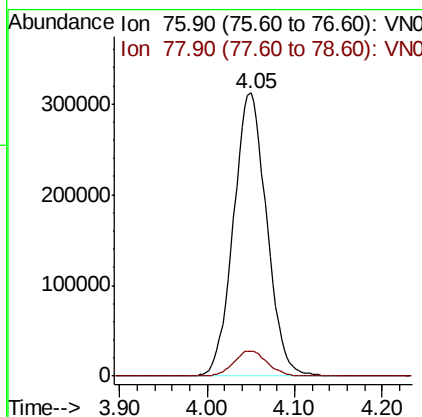
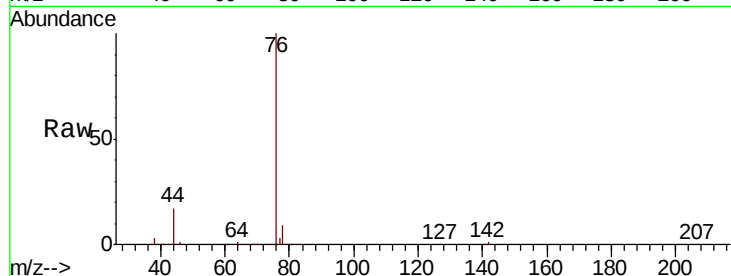
#17
Carbon Disulfide
Concen: 44.099 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

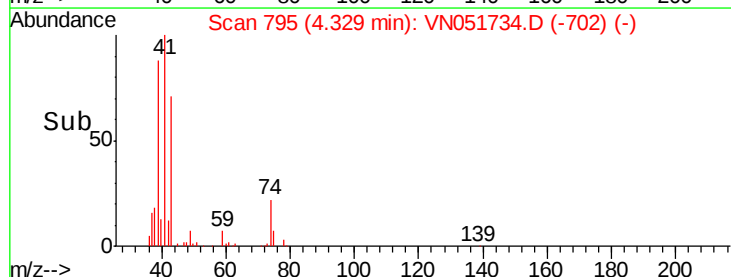
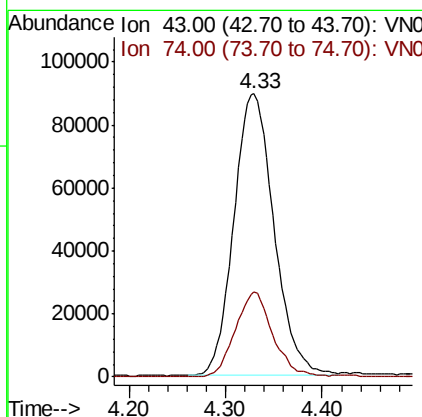
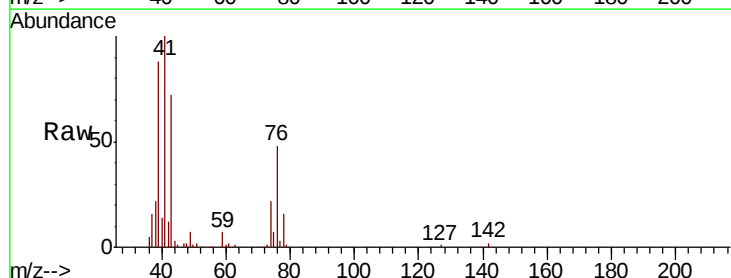
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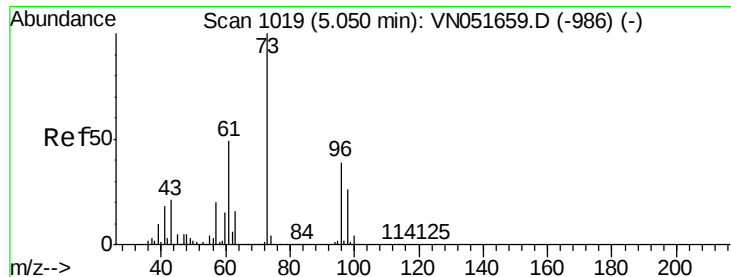
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#18
Methyl Acetate
Concen: 53.842 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	21.5	32.3





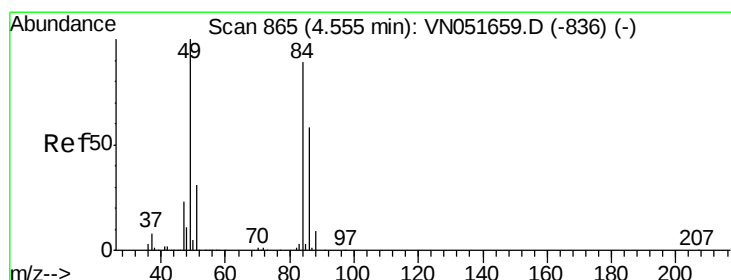
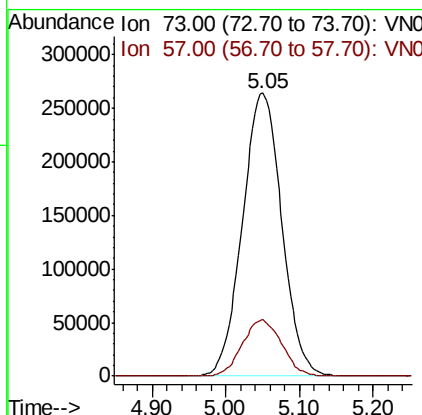
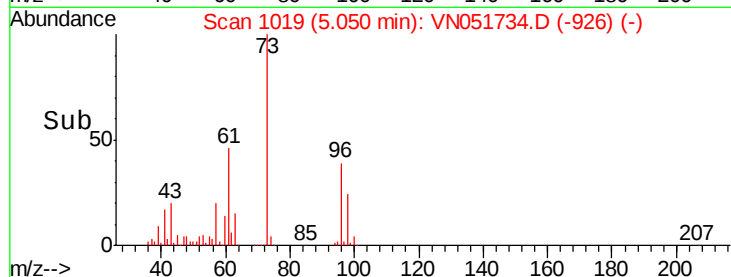
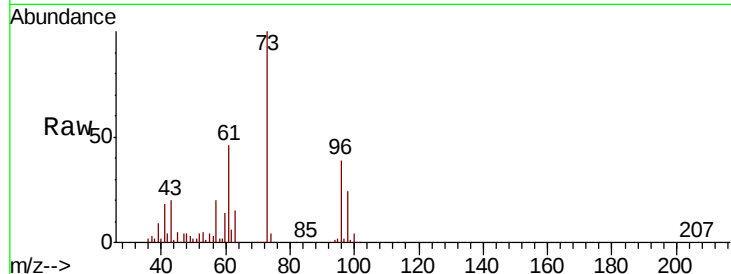
#19
Methvl tert-butvl Ether
Concen: 48.469 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion: 73 Resp: 981210
Ion Ratio Lower Upper
73 100
57 19.9 15.6 23.4

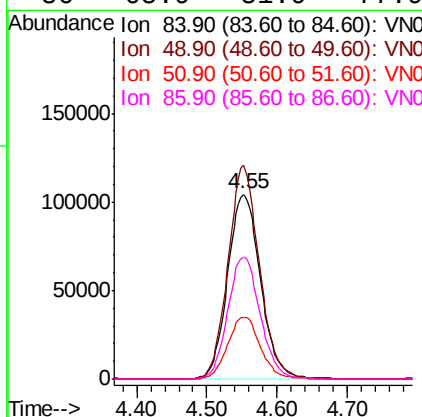
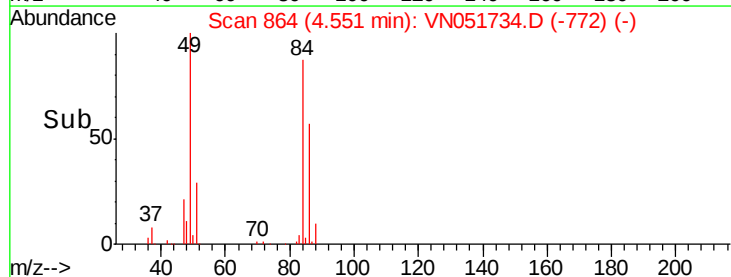
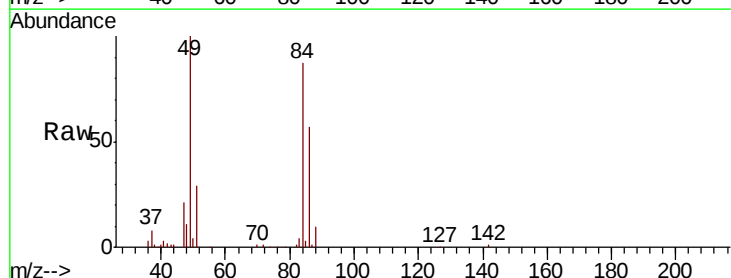
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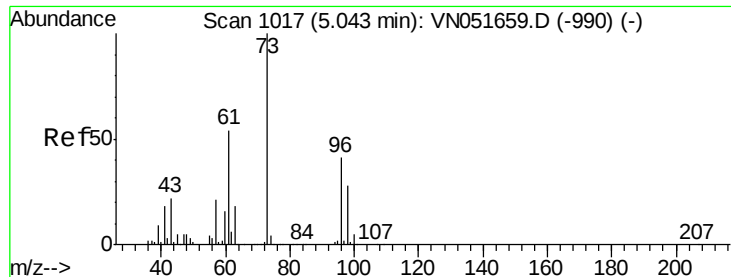
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#20
Methylene Chloride
Concen: 47.406 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion: 84 Resp: 339328
Ion Ratio Lower Upper
84 100
49 115.5 89.5 134.3
51 33.2 27.4 41.0
86 65.9 51.9 77.9





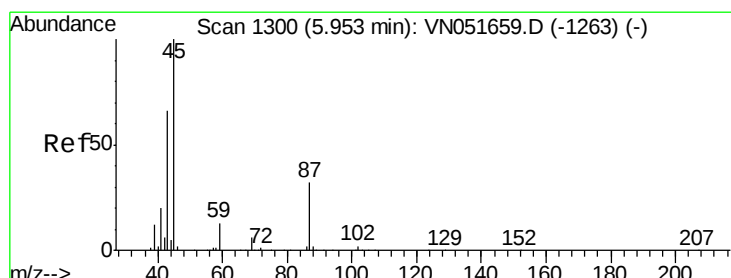
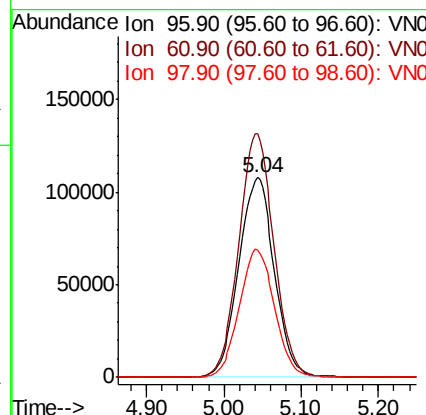
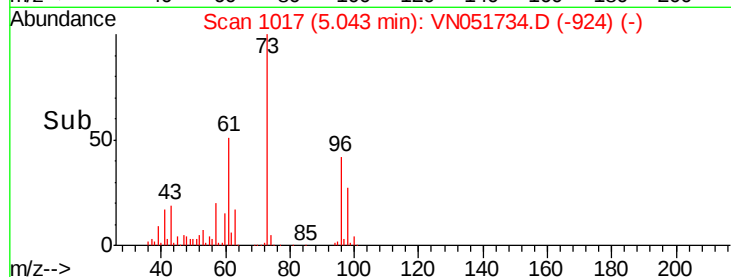
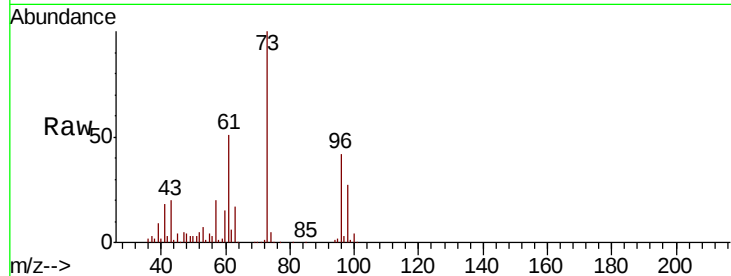
#21
trans-1,2-Dichloroethene
Concen: 47.600 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	104.7	157.1
98	64.0	54.6	82.0

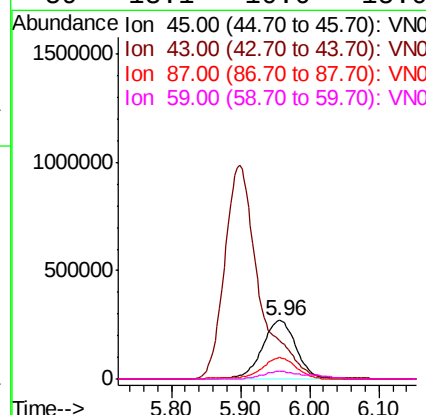
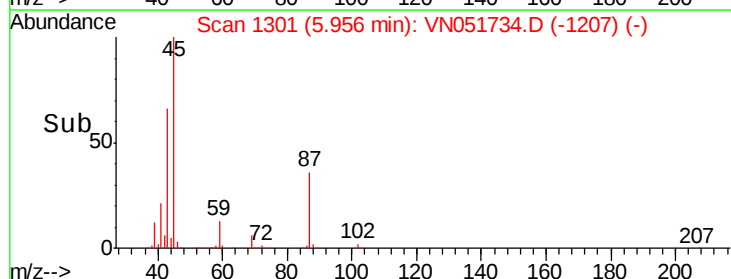
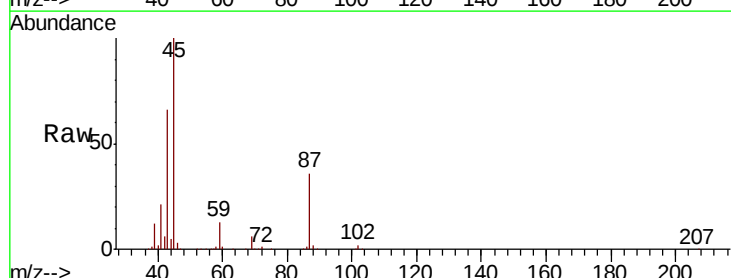
Manual Integrations
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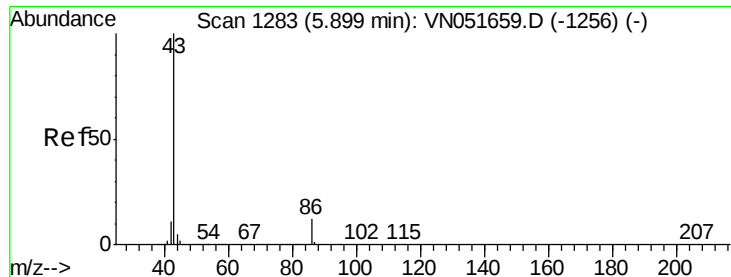
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#22
Diisopropyl ether
Concen: 45.995 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	53.0	79.4
87	35.9	26.4	39.6
59	13.1	10.0	15.0





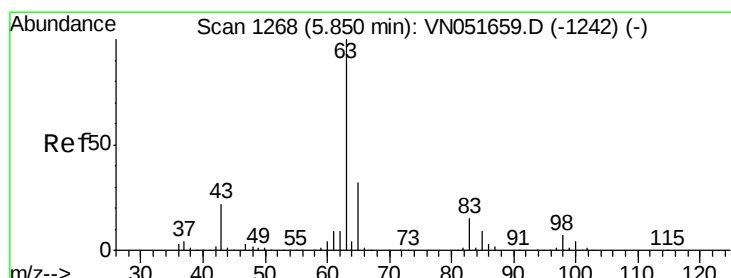
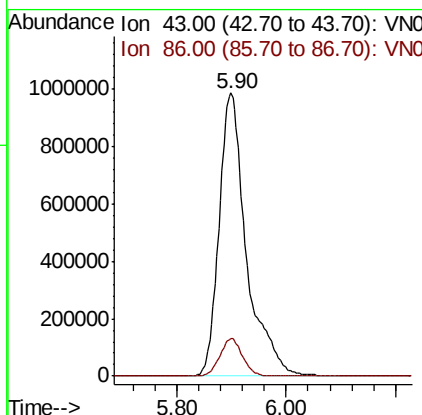
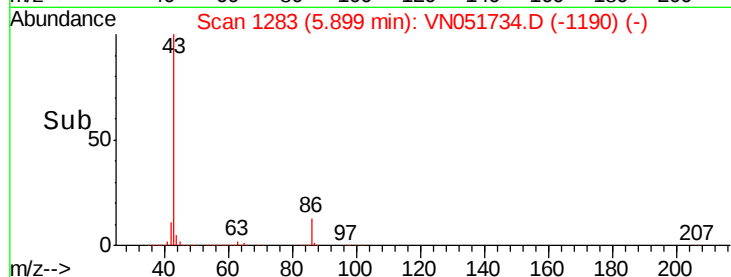
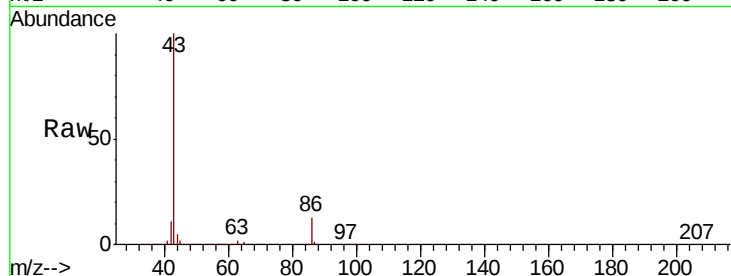
#23
 Vinyl Acetate
 Concen: 232.477 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion: 43 Resp: 3427542
 Ion Ratio Lower Upper
 43 100
 86 13.3 9.3 13.9

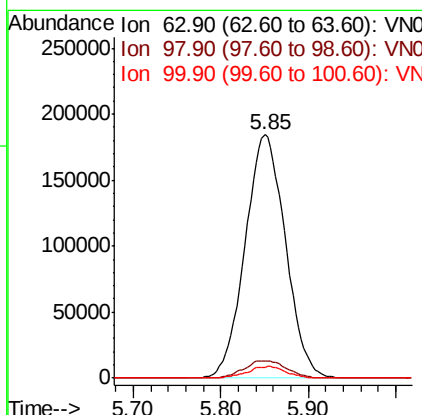
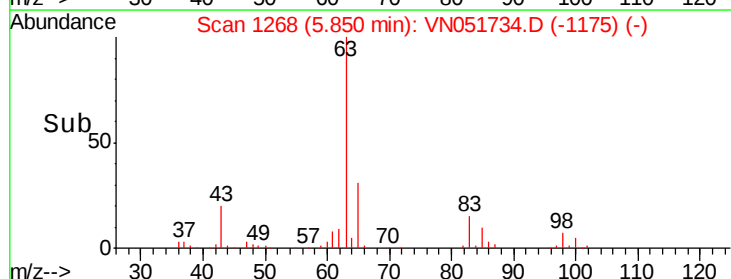
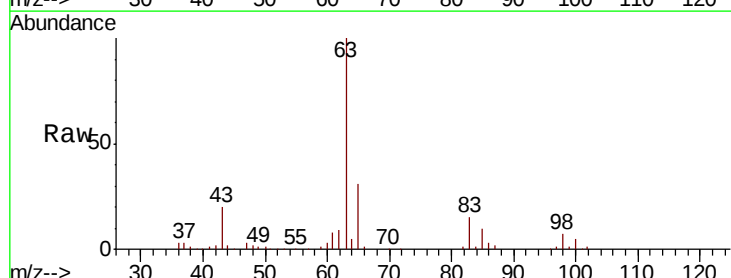
Manual Integrations
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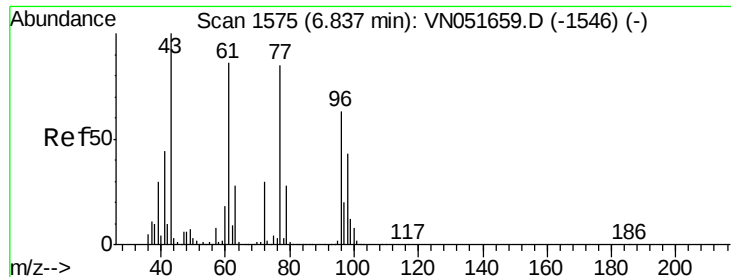
MMDadoda
 10/10/2018 11:48:38 AM



#24
 1,1-Dichloroethane
 Concen: 45.742 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion: 63 Resp: 589889
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.9
 100 4.6 2.2 6.6





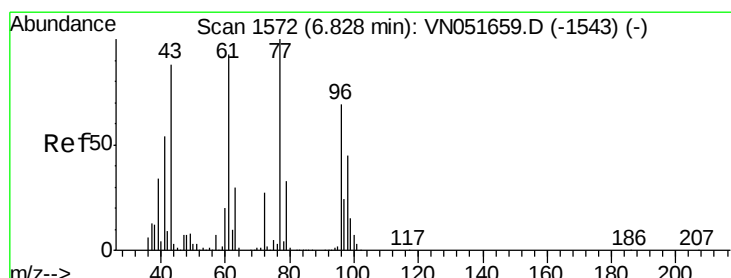
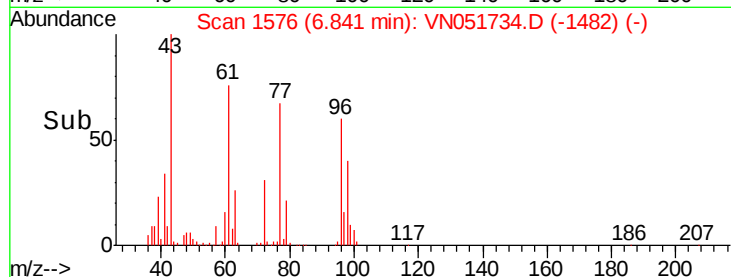
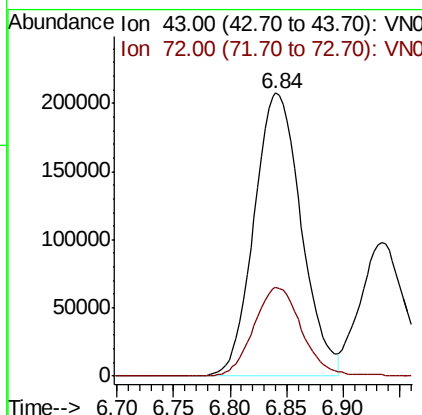
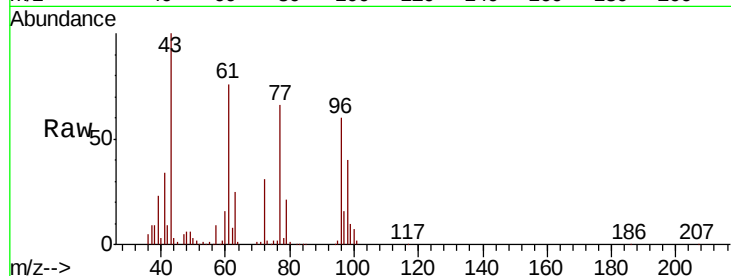
#25
2-Butanone
Concen: 238.024 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion: 43 Resp: 597977
Ion Ratio Lower Upper
43 100
72 31.4 24.2 36.2

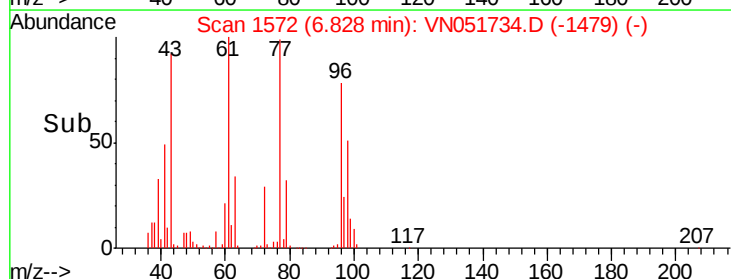
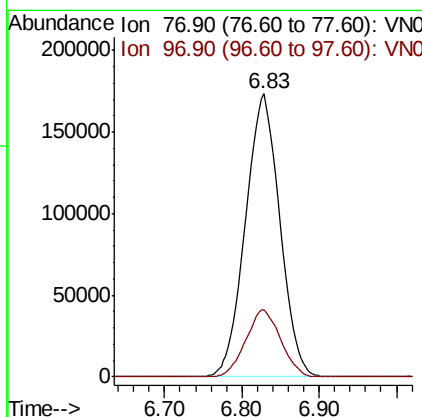
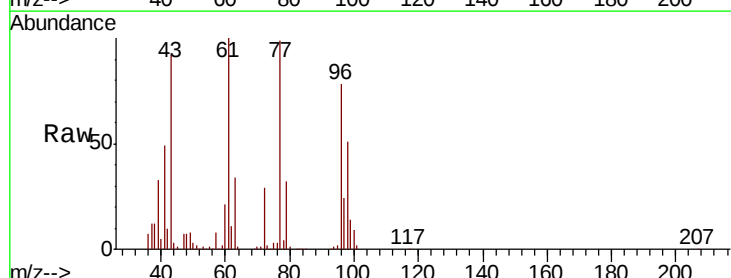
Manual Integrations
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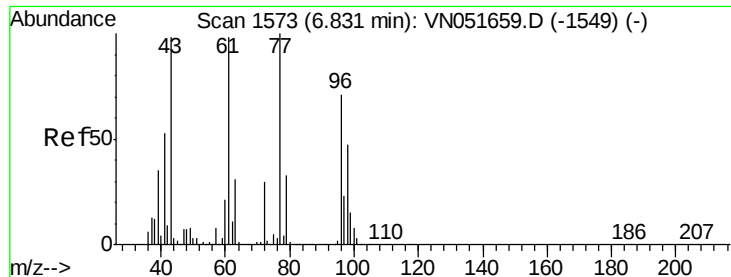
MMDadoda
10/10/2018 11:48:38 AM



#26
2,2-Dichloropropane
Concen: 41.711 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion: 77 Resp: 539042
Ion Ratio Lower Upper
77 100
97 24.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.584 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

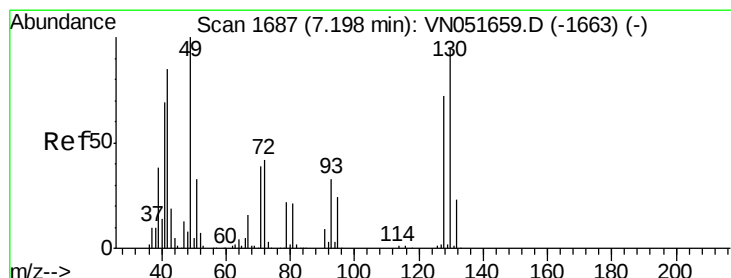
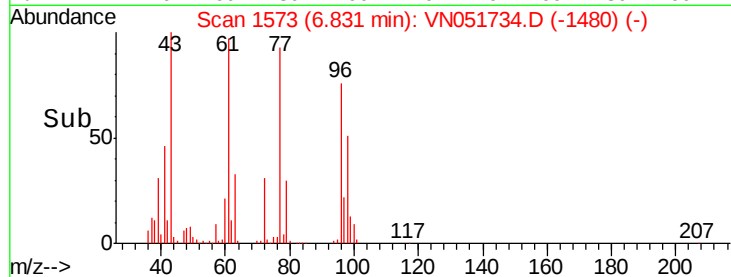
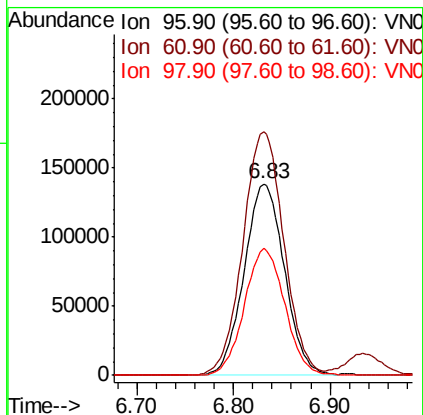
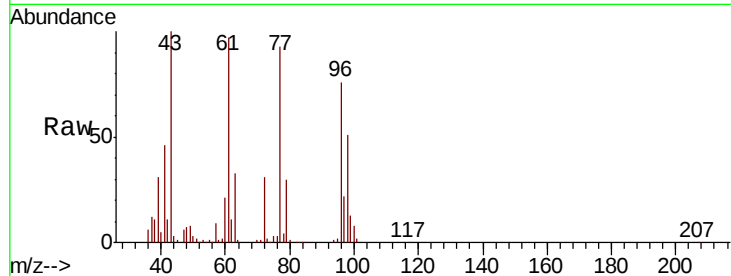
ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion:	96	Resp:	401463
Ion Ratio	Lower	Upper	
96	100		
61	129.1	0.0	275.4
98	66.4	0.0	129.6

Manual Integrations
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MMDadoda
10/10/2018 11:48:38 AM



#28

Bromochloromethane

Concen: 45.200 ug/l

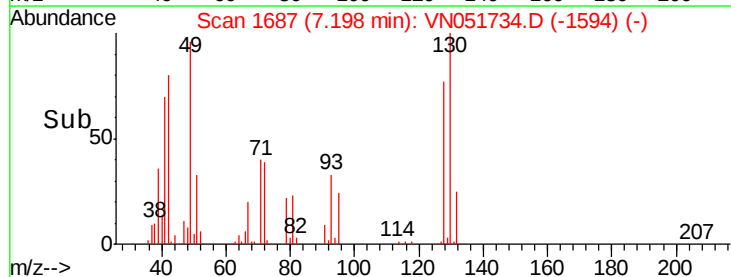
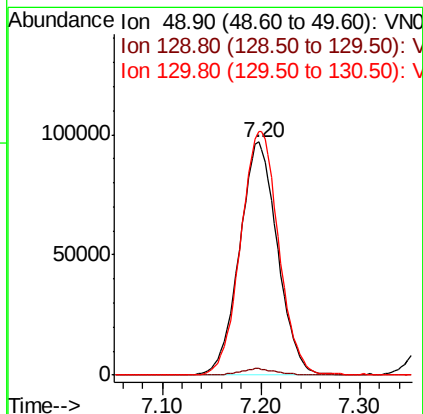
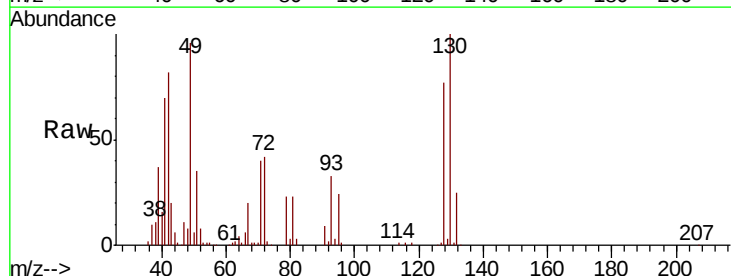
RT: 7.20 min Scan# 1687

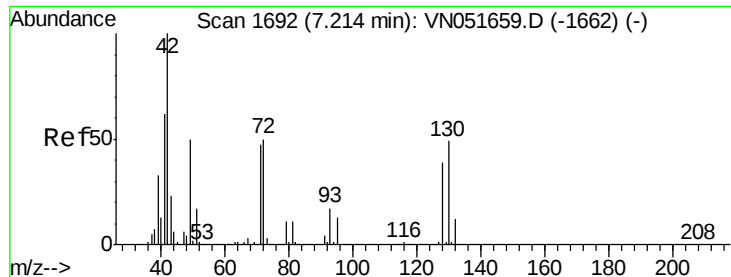
Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Tgt Ion:	49	Resp:	258057
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	4.8
130	104.4	75.7	113.5





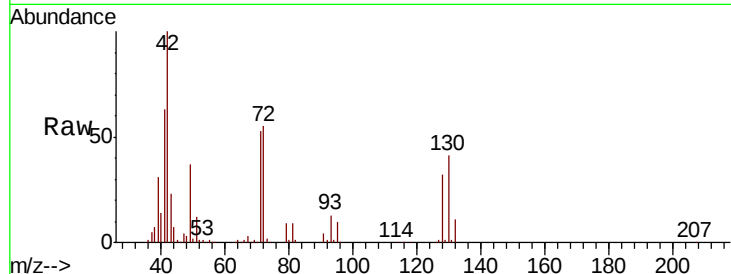
#29
Tetrahydrofuran
Concen: 253.481 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.7	40.1	60.1
71	52.0	38.0	57.0

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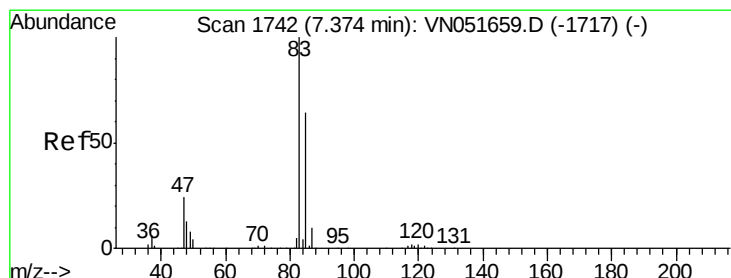
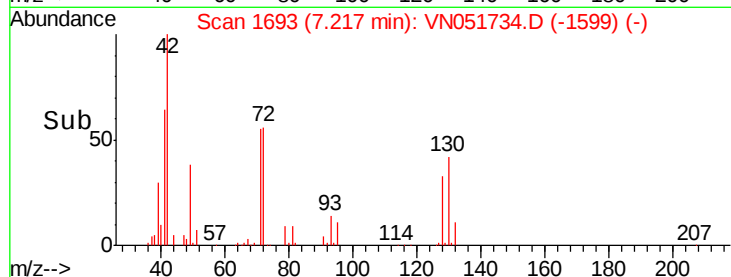
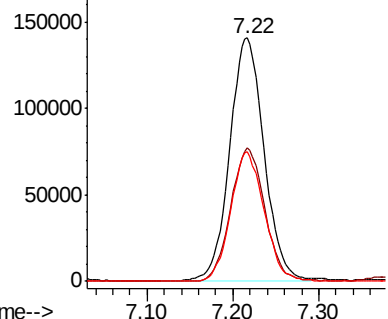


Abundance

Ion 42.00 (41.70 to 42.70): VN0

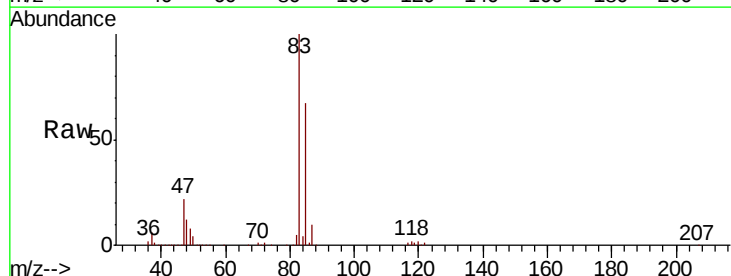
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 48.085 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

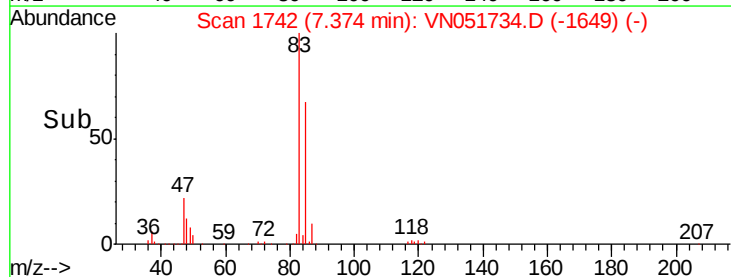
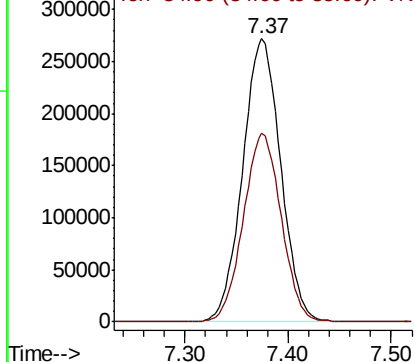
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.6	77.4

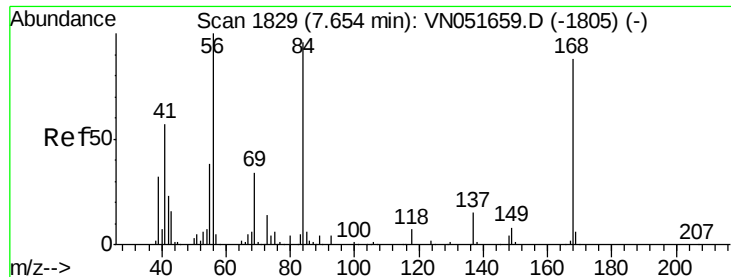


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





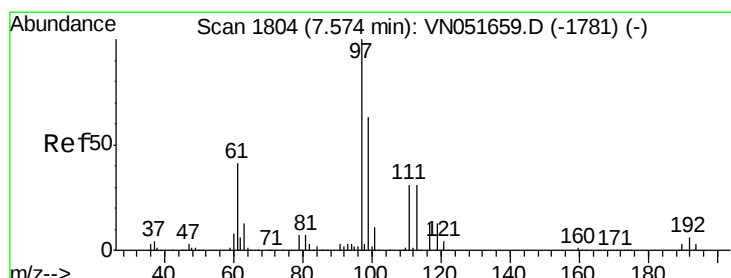
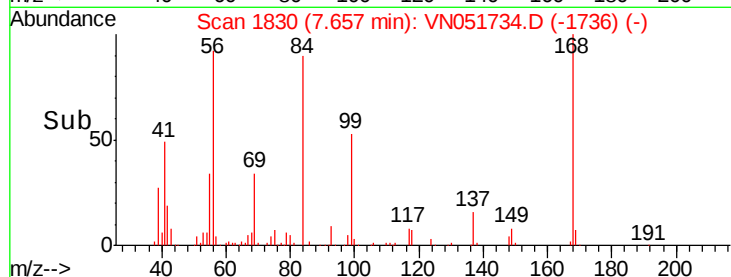
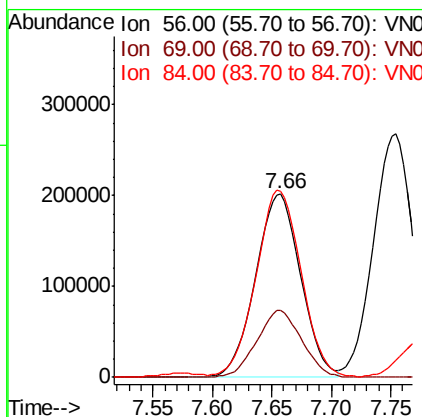
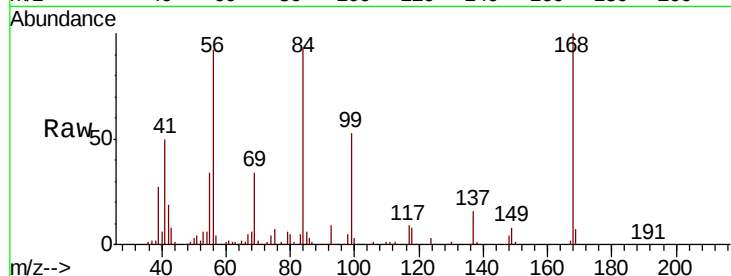
#31
Cvclohexane
Concen: 44.939 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	27.5	41.3
84	99.0	76.7	115.1

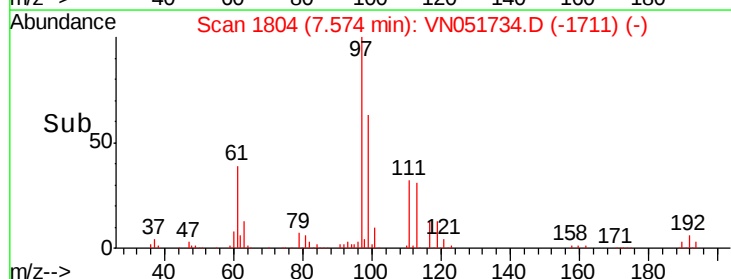
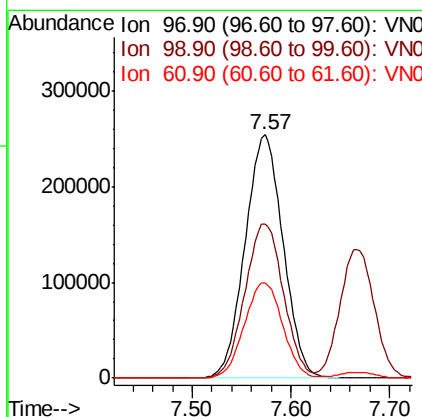
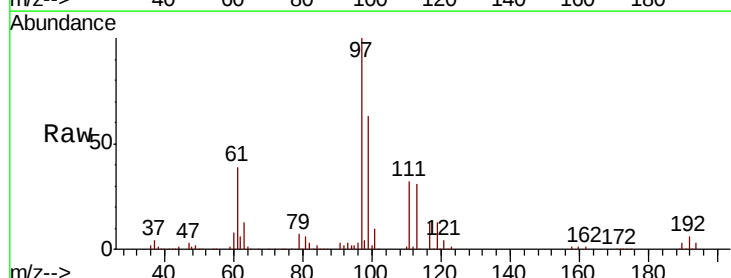
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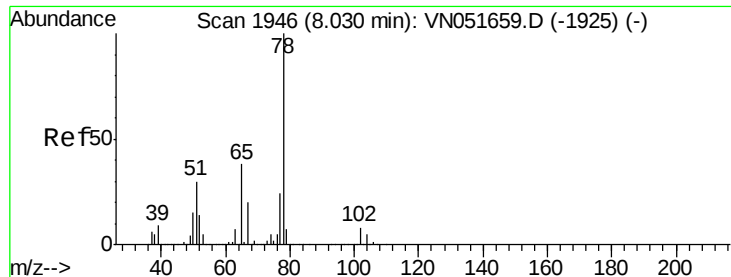
MMDadoda
10/10/2018 11:48:38 AM



#32
1,1,1-Trichloroethane
Concen: 48.242 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	39.5	33.4	50.0





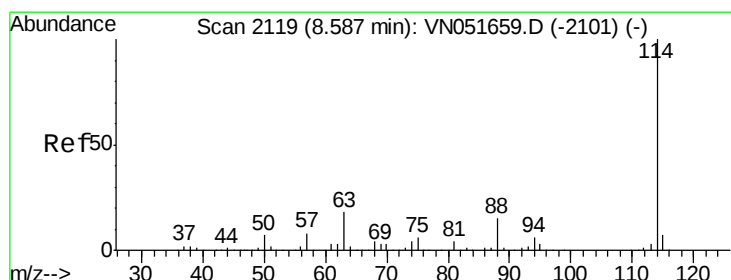
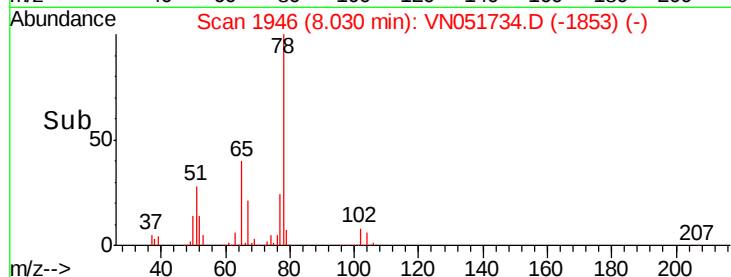
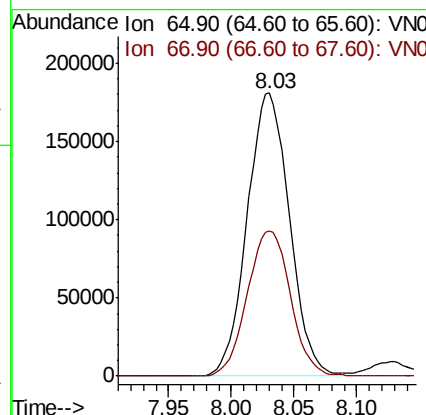
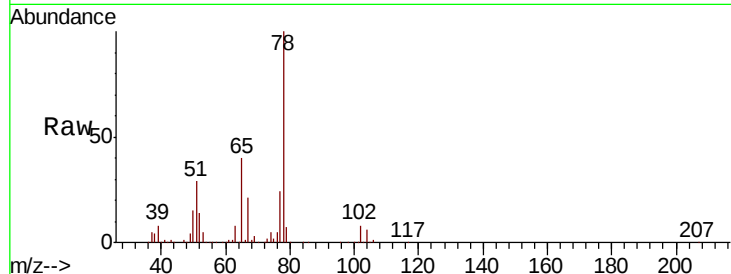
#33
 1,2-Dichloroethane-d4
 Concen: 48.242 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.6	

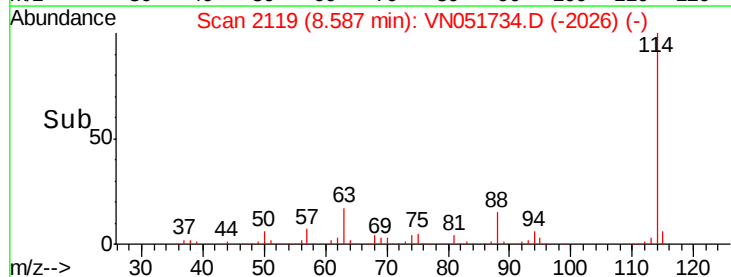
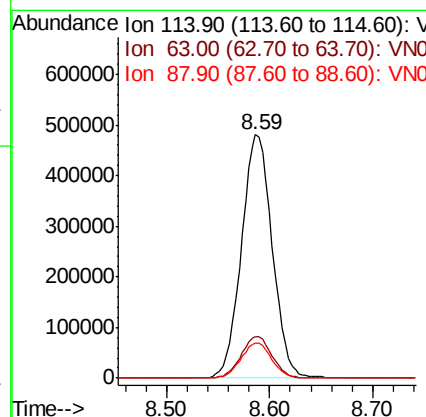
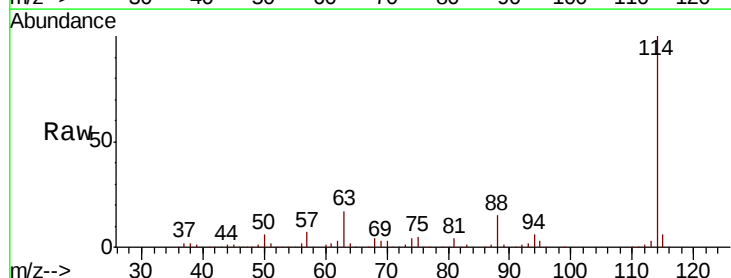
Manual Integrations
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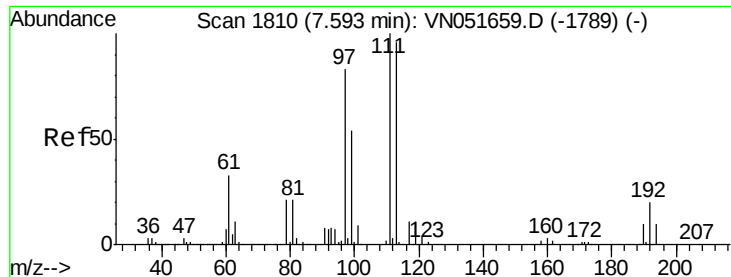
MMDadoda
 10/10/2018 11:48:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.9	0.0	36.2	
88	14.6	0.0	30.2	





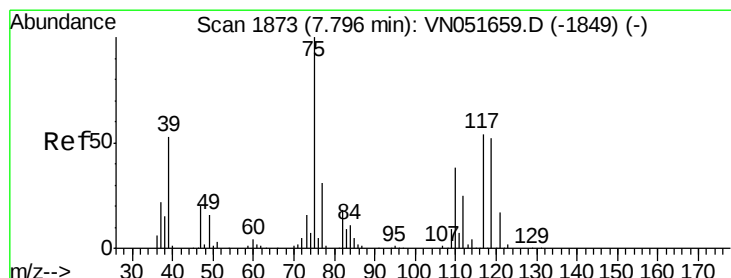
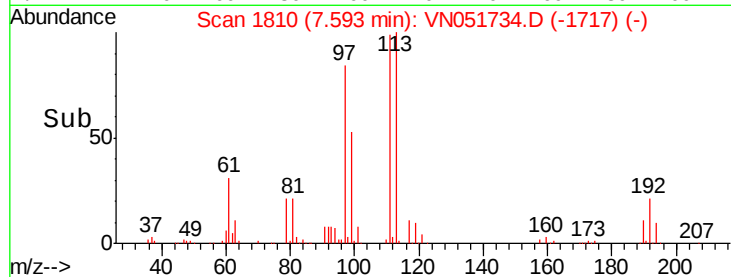
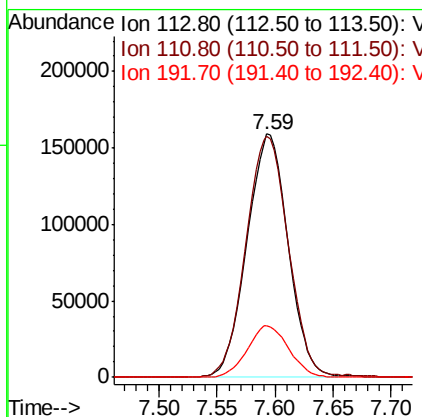
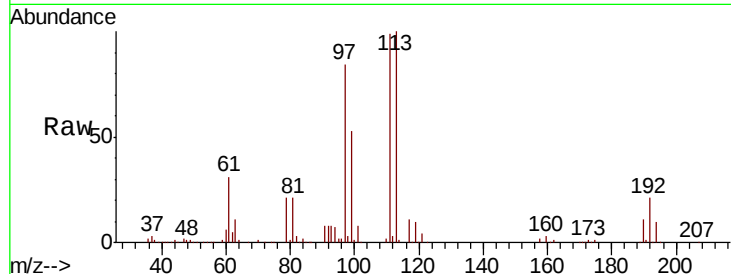
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	393329		
111	102.4	81.8	122.8	
192	21.3	16.5	24.7	

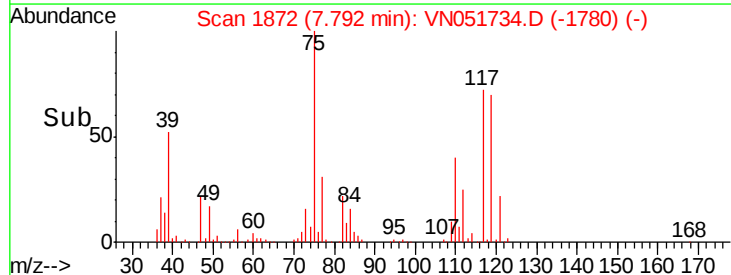
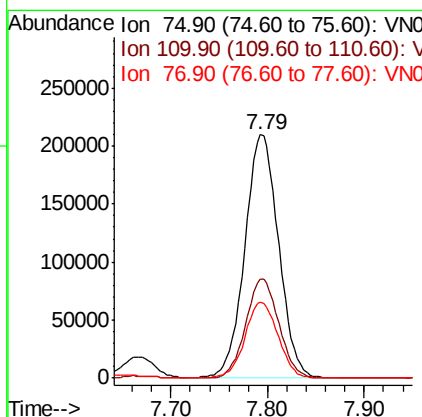
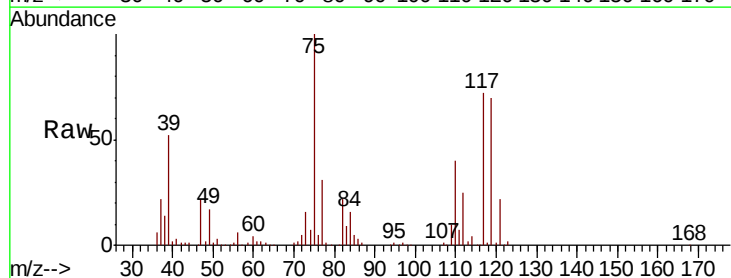
Manual Integrations
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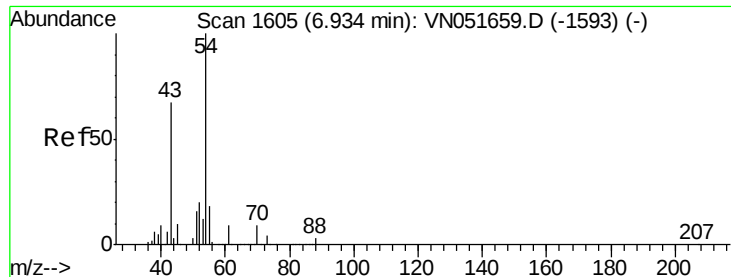
MMDadoda
 10/10/2018 11:48:38 AM



#36
 1,1-Dichloropropene
 Concen: 48.529 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	506467		
110	40.1	19.3	57.8	
77	31.0	24.7	37.1	





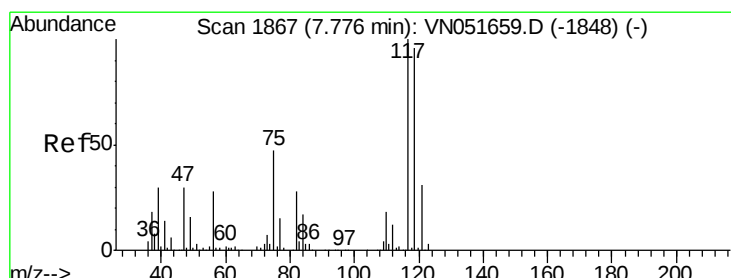
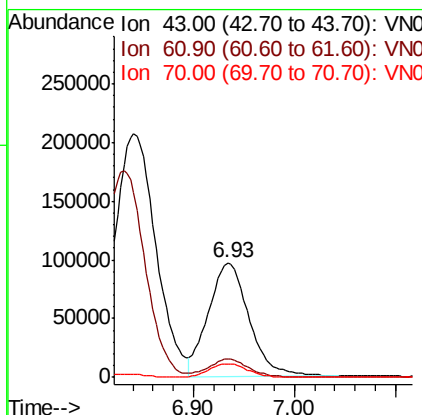
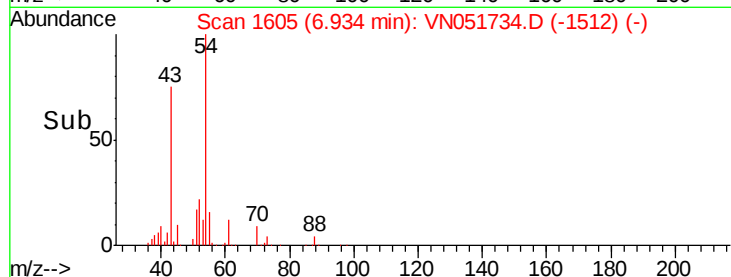
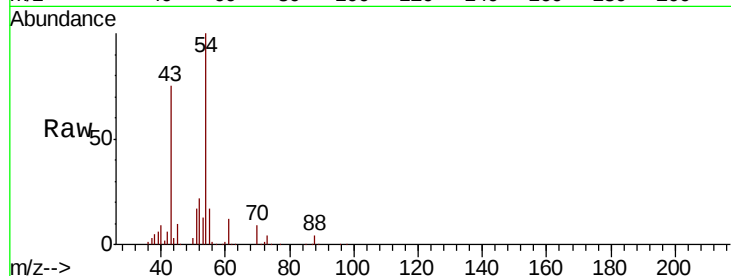
#37
Ethyl Acetate
Concen: 49.735 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	11.8	8.7	13.1

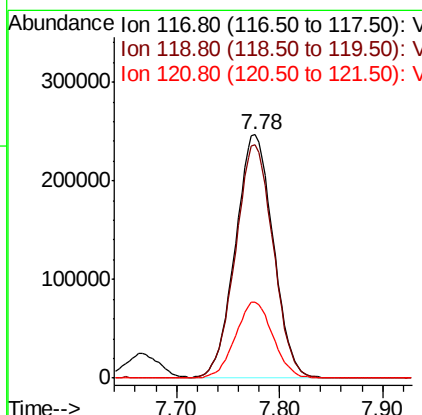
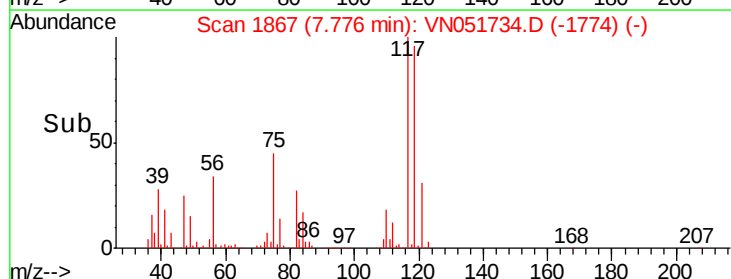
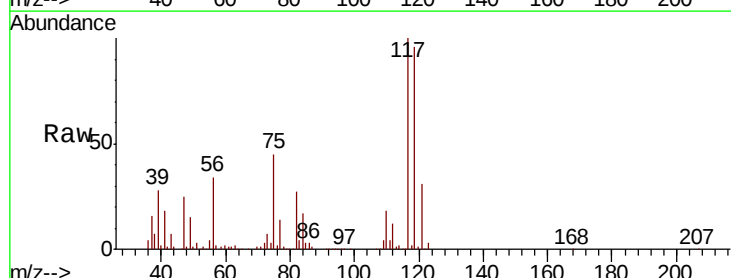
Manual Integrations
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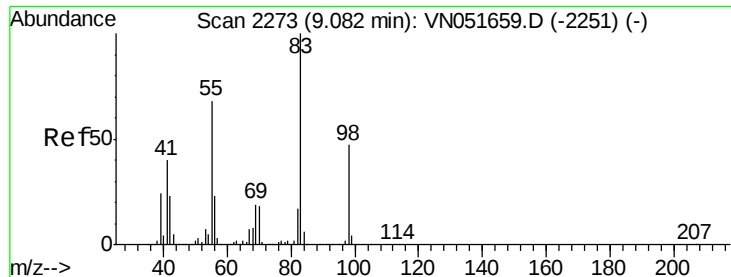
MMDadoda
10/10/2018 11:48:38 AM



#38
Carbon Tetrachloride
Concen: 50.067 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.0	115.6
121	31.4	25.0	37.6





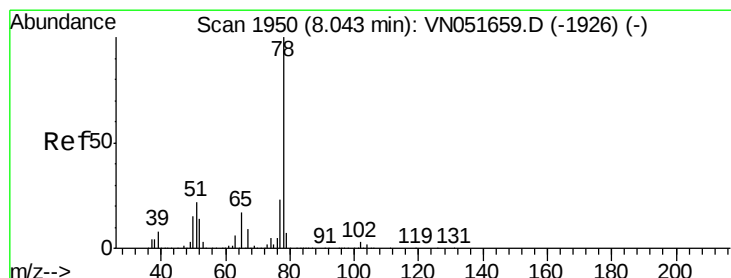
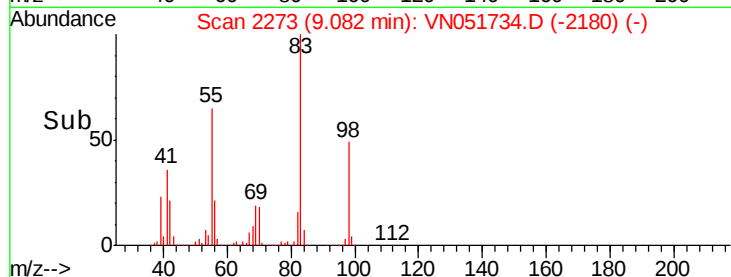
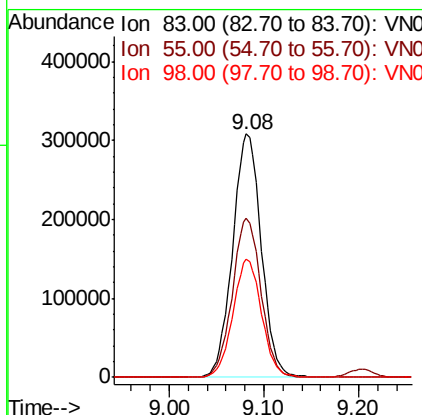
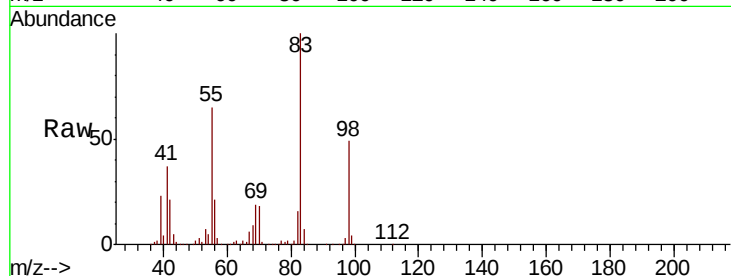
#39
Methvlcvclohexane
Concen: 49.630 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.2	54.3	81.5
98	48.5	37.4	56.2

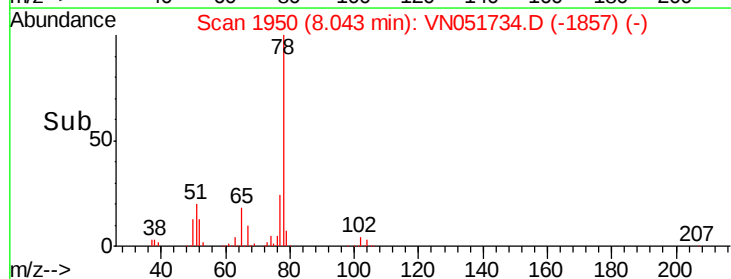
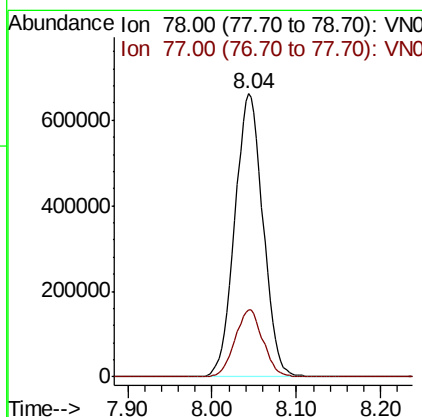
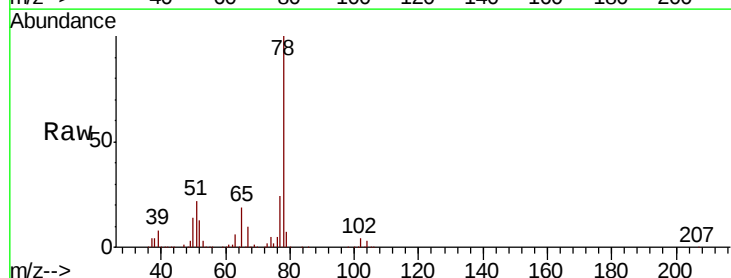
Manual Integrations
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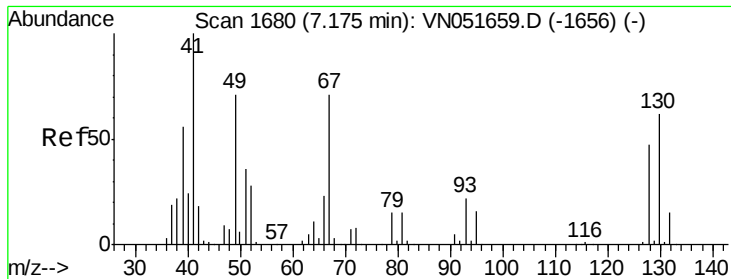
MMDadoda
10/10/2018 11:48:38 AM



#40
Benzene
Concen: 49.854 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





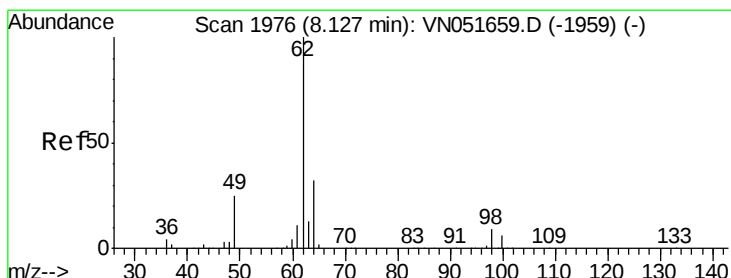
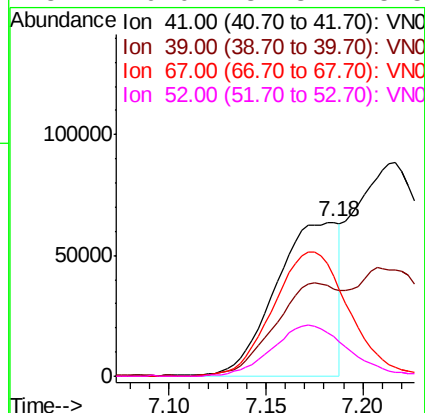
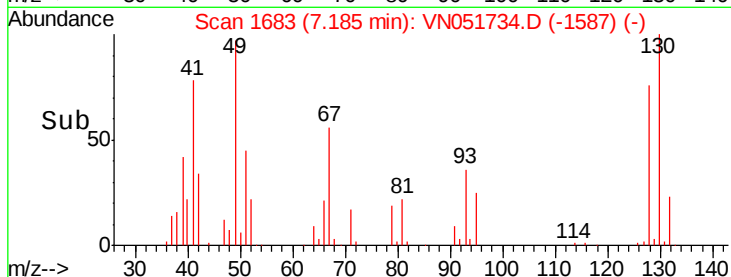
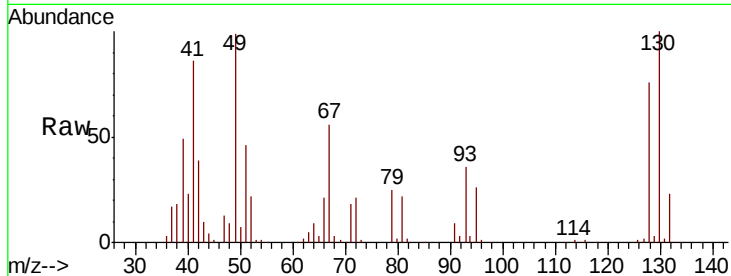
#41
Methacrylonitrile
Concen: 51.848 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#

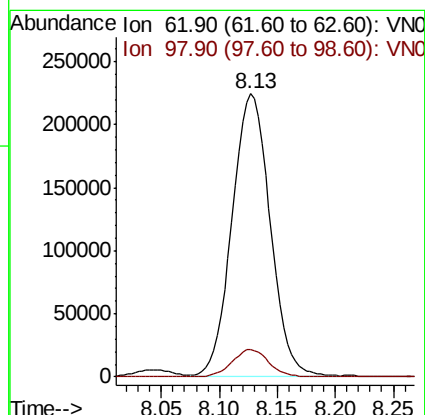
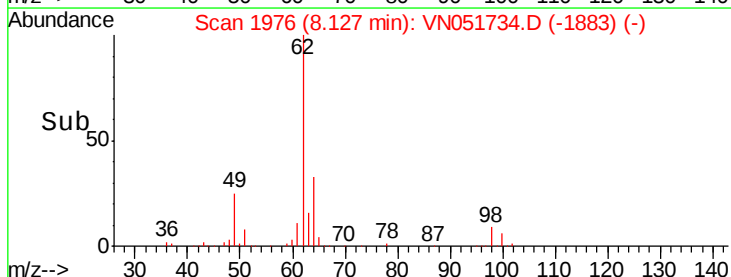
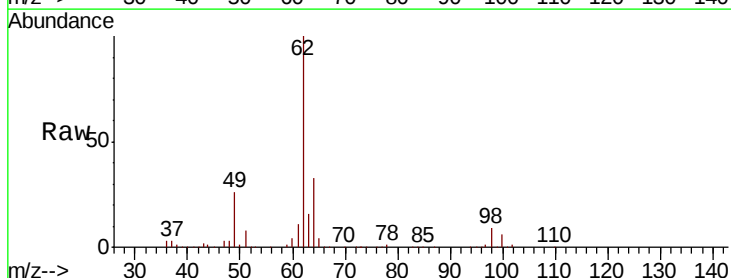
Manual Integrations
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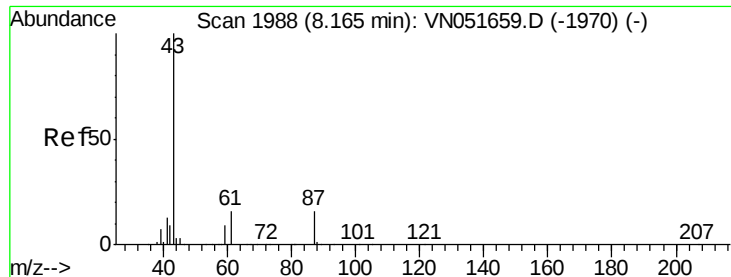
MMDadoda
10/10/2018 11:48:38 AM



#42
1,2-Dichloroethane
Concen: 48.998 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





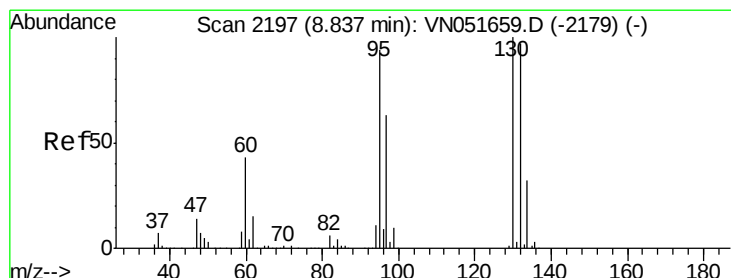
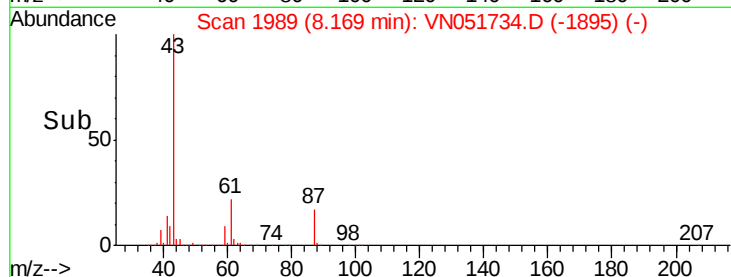
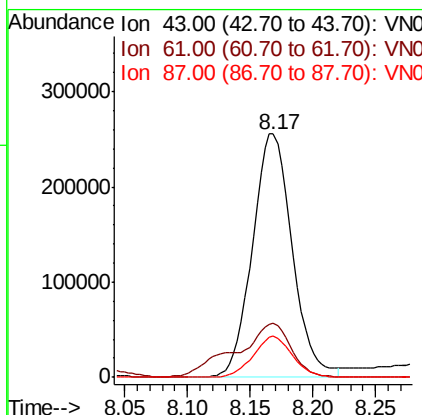
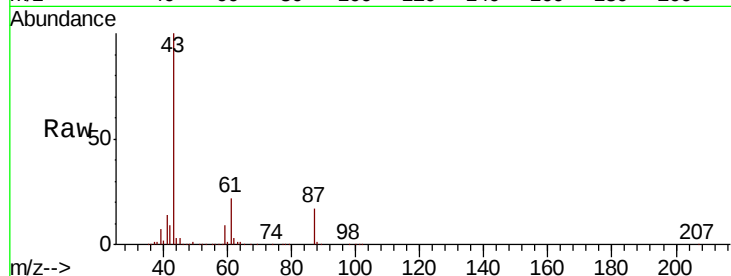
#43
Isopropyl Acetate
Concen: 49.682 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	15.8	23.6#
87	16.5	12.6	19.0

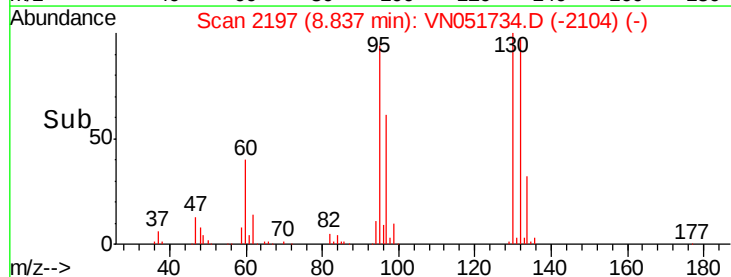
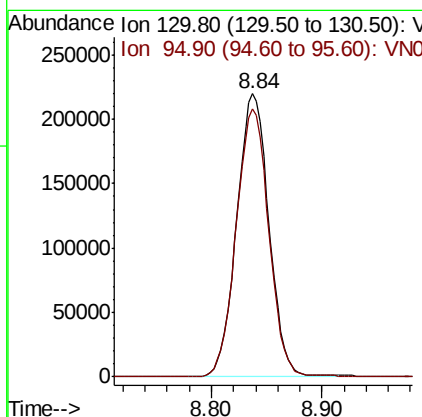
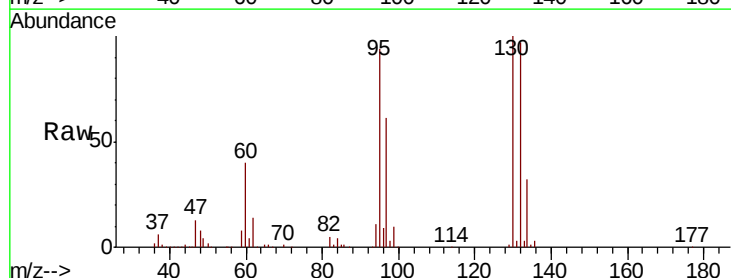
Manual Integrations
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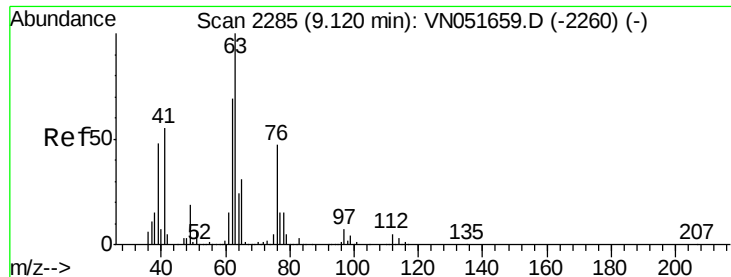
MMDadoda
10/10/2018 11:48:38 AM



#44
Trichloroethene
Concen: 50.670 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	188.0





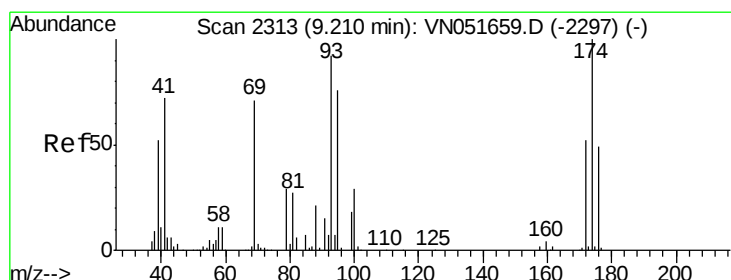
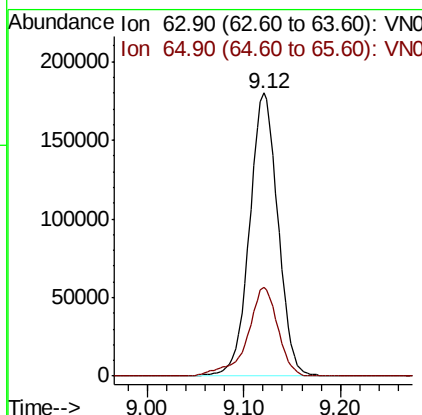
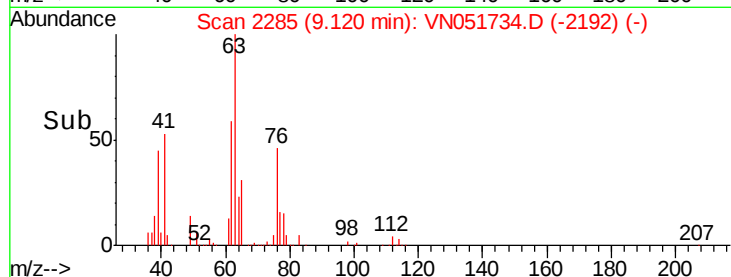
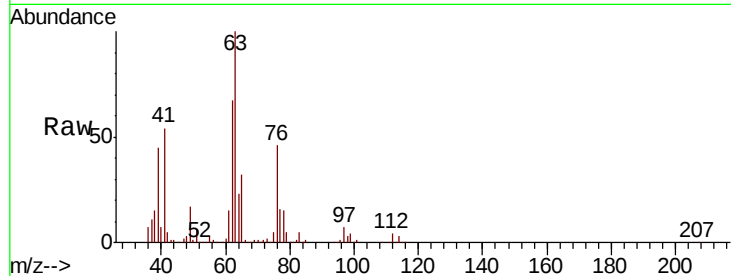
#45
 1,2-Dichloropropane
 Concen: 48.003 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion: 63 Resp: 367183
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4

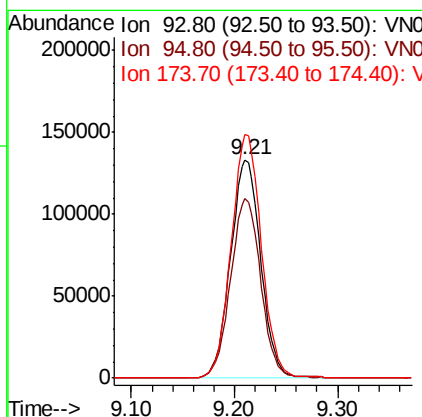
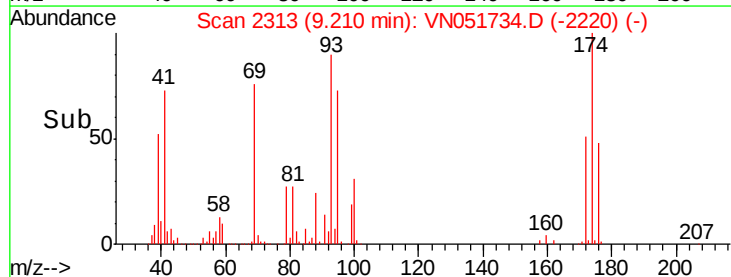
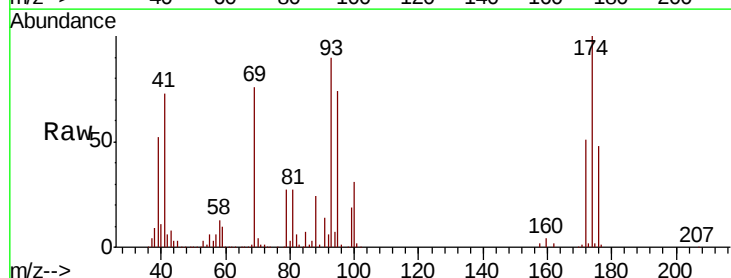
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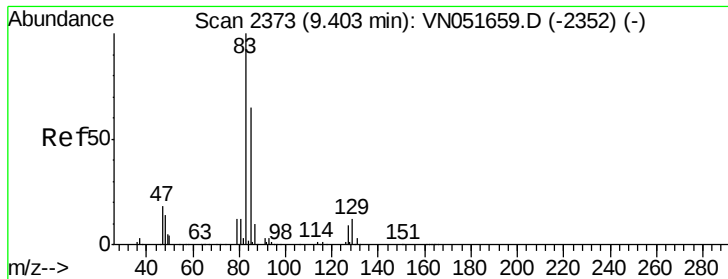
MMDadoda
 10/10/2018 11:48:38 AM



#46
 Dibromomethane
 Concen: 51.394 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion: 93 Resp: 273254
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.6 100.0
 174 110.6 85.9 128.9





#47

Bromodichloromethane

Concen: 49.168 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

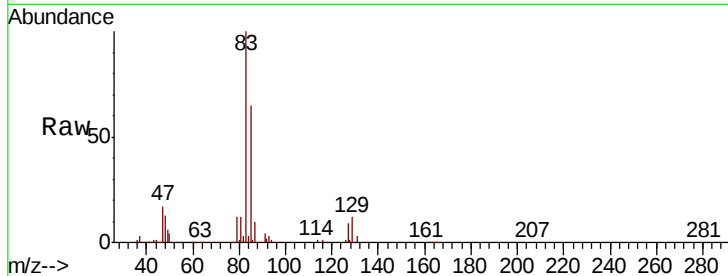
ClientSampleId :

EP1-MW-H-092718(7-10)MSD

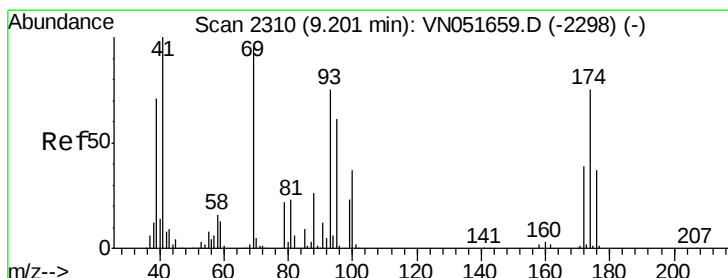
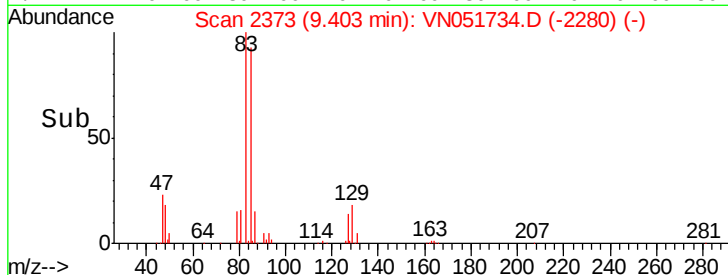
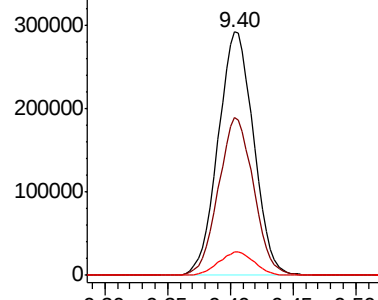
Tot Ion:	83	Resp:	575476
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.6	77.4
127	9.5	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.451 ug/l

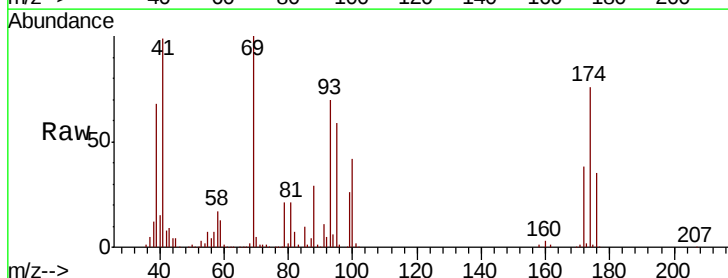
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

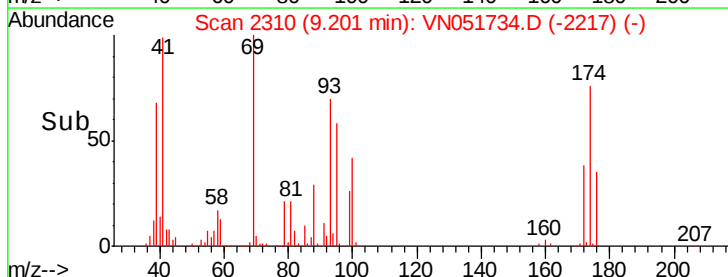
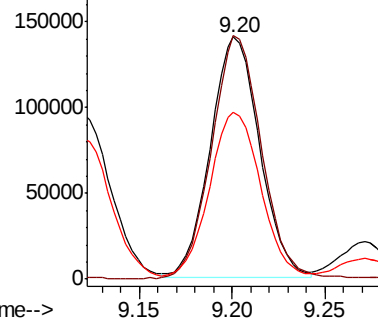
Lab File: VN051734.D

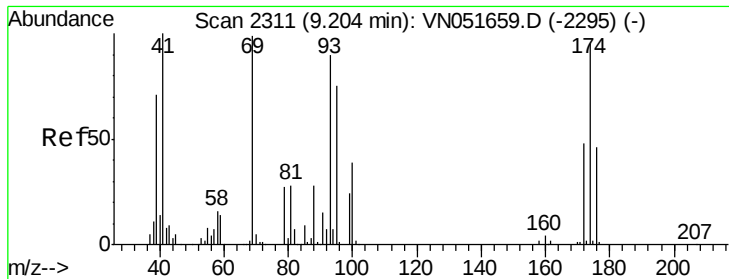
Acq: 8 Oct 2018 14:34

Tgt Ion:	41	Resp:	261617
Ion Ratio	Lower	Upper	
41	100		
69	102.1	78.6	118.0
39	71.5	59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





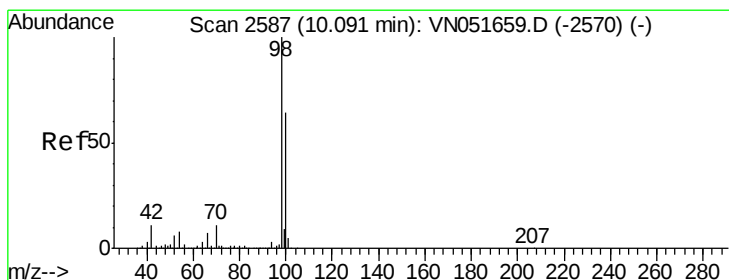
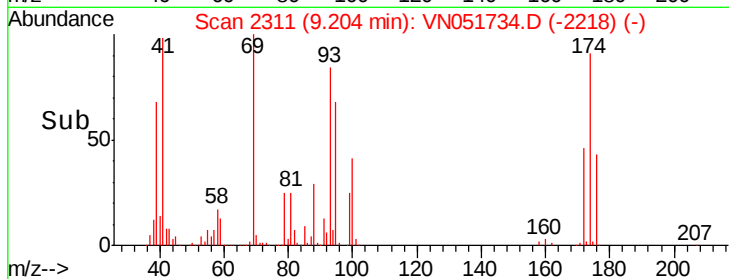
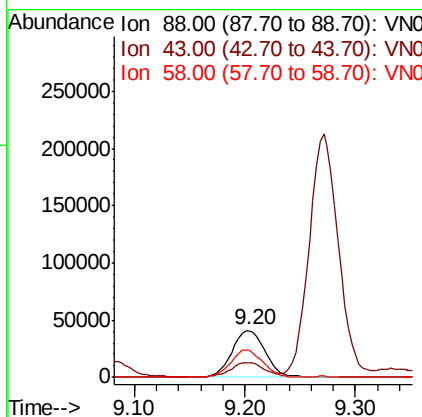
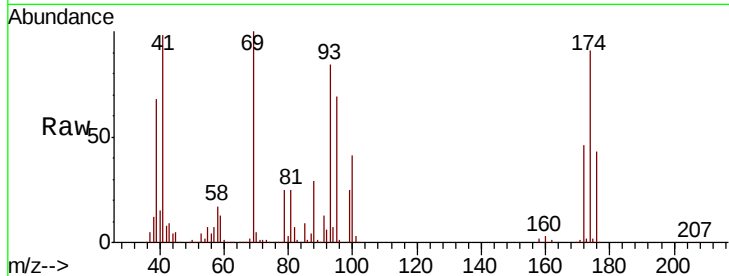
#49
1,4-Dioxane
Concen: 1105.618 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	88	Resp	85969
Ion Ratio	100	Lower	Upper
88	100		
43	28.8	24.5	36.7
58	56.9	47.6	71.4

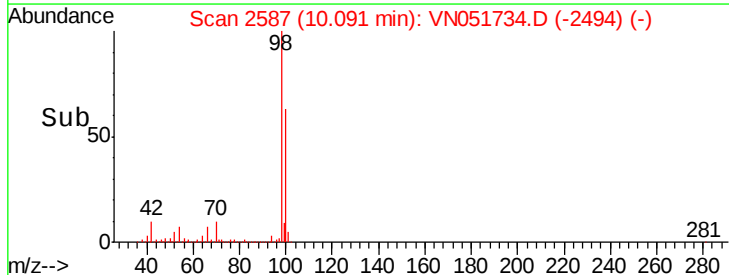
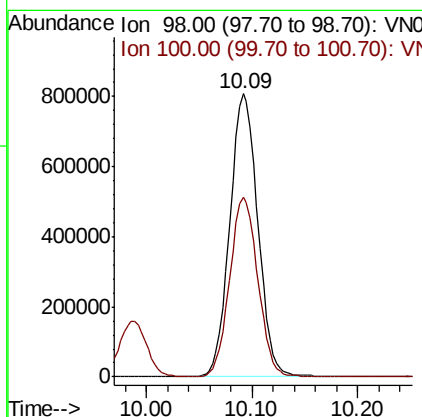
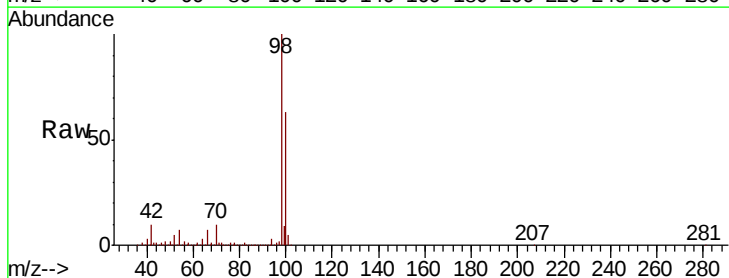
Manual Integrations
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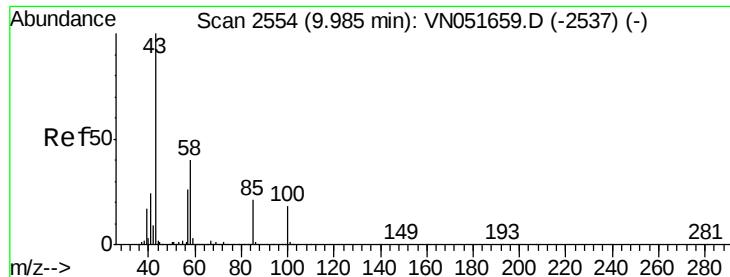
MMDadoda
10/10/2018 11:48:38 AM



#50
Toluene-d8
Concen: 1105.618 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	98	Resp	1487322
Ion Ratio	100	Lower	Upper
98	100		
100	64.0	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 255.753 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion: 43 Resp: 1470724

Ion Ratio Lower Upper

43 100

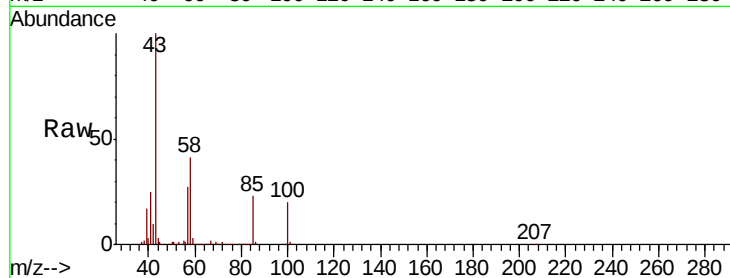
58 41.4 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

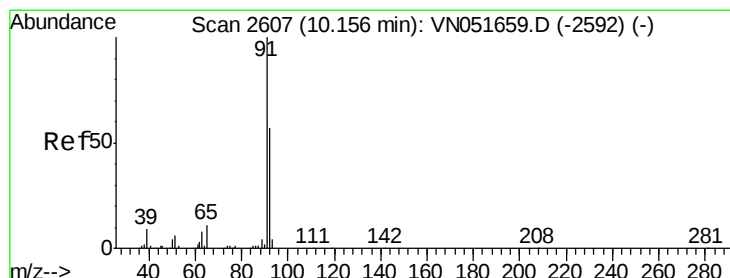
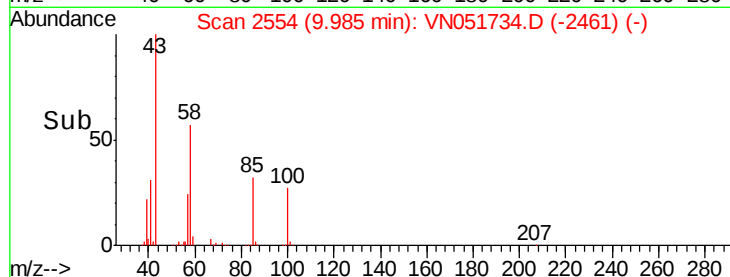
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 51.347 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051734.D

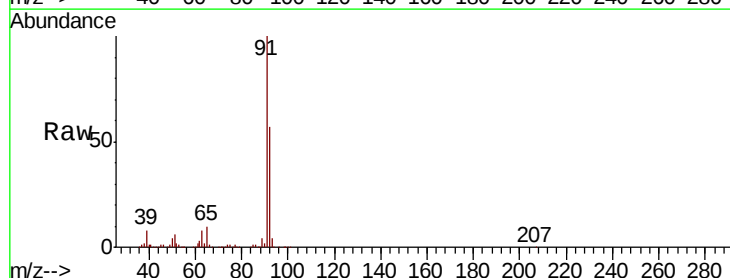
Acq: 8 Oct 2018 14:34

Tgt Ion: 92 Resp: 1056585

Ion Ratio Lower Upper

92 100

91 175.3 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1200000

1000000

800000

600000

400000

200000

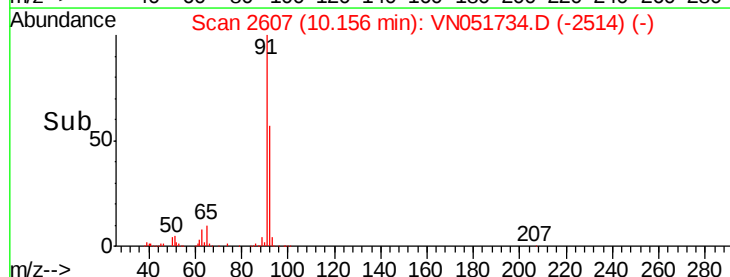
0

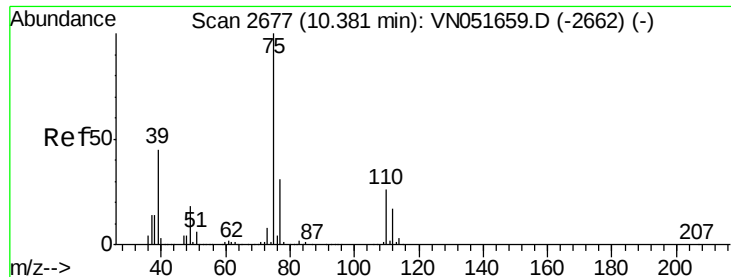
10.10

10.20

10.30

Time-->





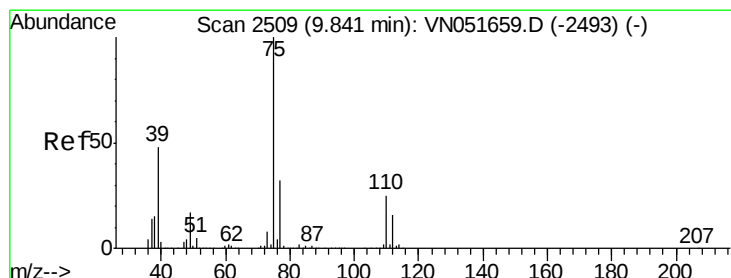
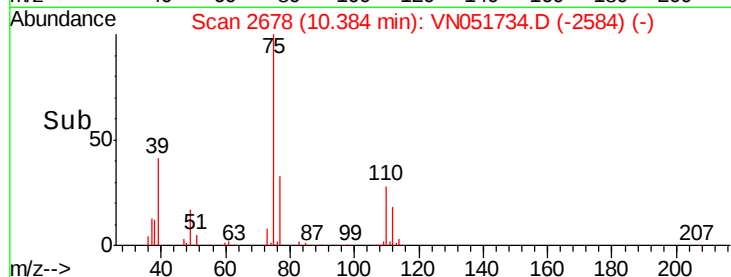
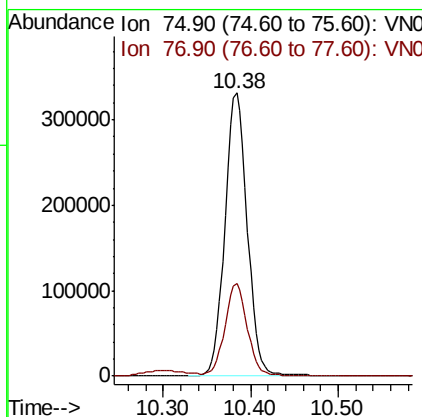
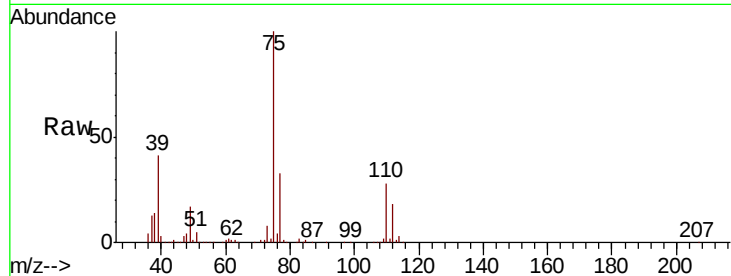
#53
t-1,3-Dichloropropene
Concen: 48.742 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3

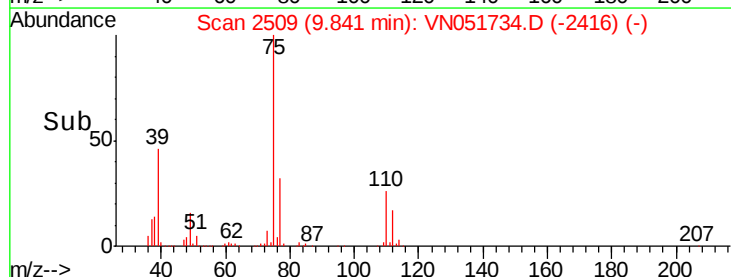
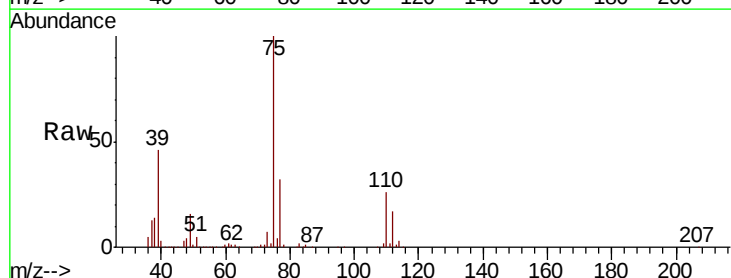
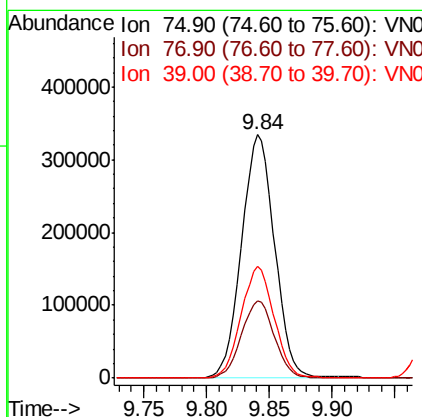
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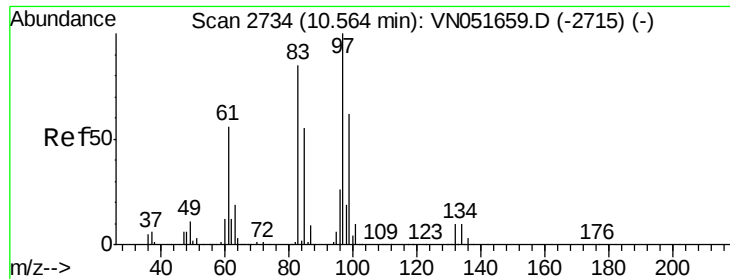
MMDadoda
10/10/2018 11:48:38 AM



#54
cis-1,3-Dichloropropene
Concen: 47.747 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	45.7	38.1	57.1





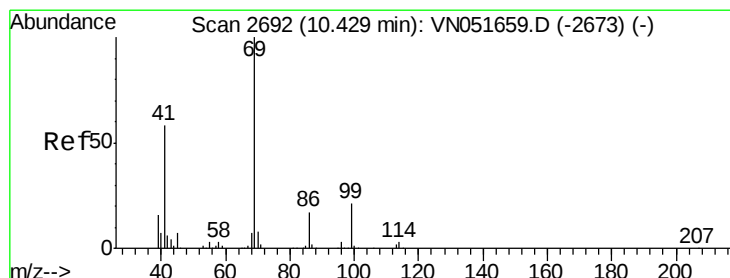
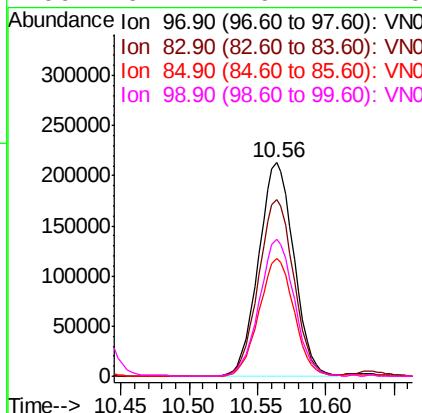
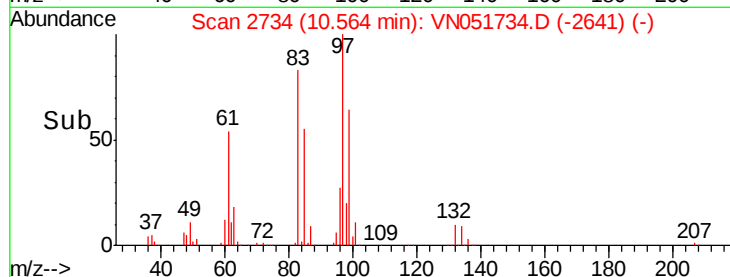
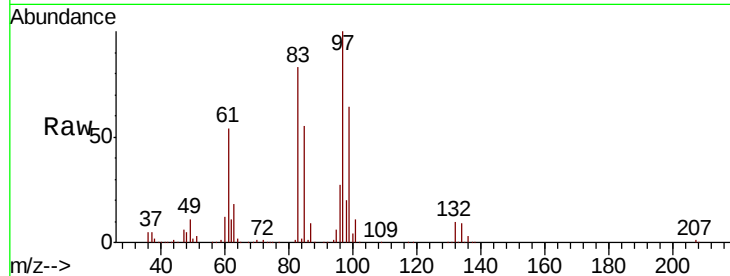
#55
 1,1,2-Trichloroethane
 Concen: 52.337 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion:	97	Resp:	383650
Ion	Ratio	Lower	Upper
97	100		
83	82.9	68.1	102.1
85	55.2	43.6	65.4
99	64.2	49.4	74.0

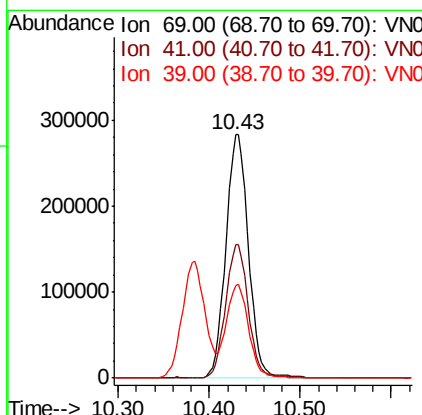
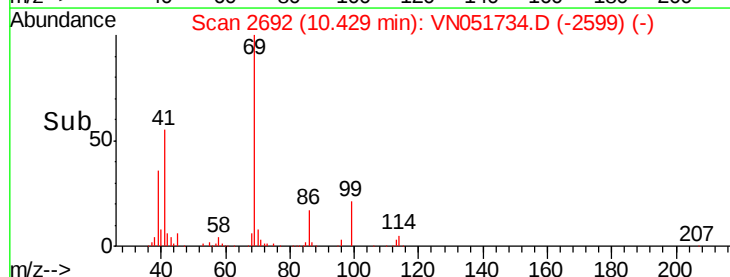
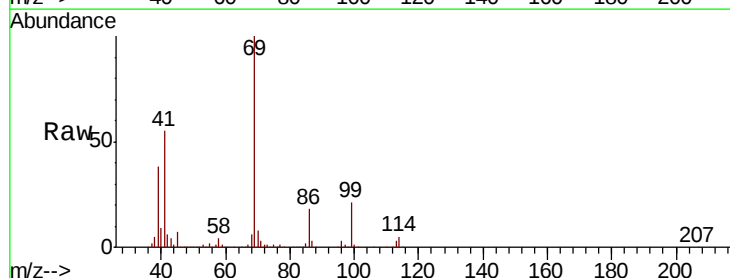
Manual Integrations
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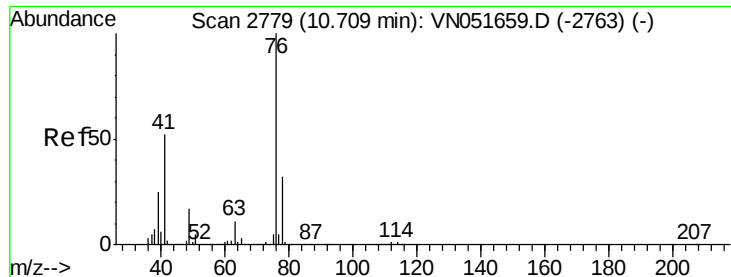
MMDadoda
 10/10/2018 11:48:38 AM



#56
 Ethyl methacrylate
 Concen: 52.580 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion:	69	Resp:	487418
Ion	Ratio	Lower	Upper
69	100		
41	54.4	46.4	69.6
39	38.6	32.4	48.6





#57

1,3-Dichloropropane

Concen: 51.478 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion: 76 Resp: 597235

Ion Ratio Lower Upper

76 100

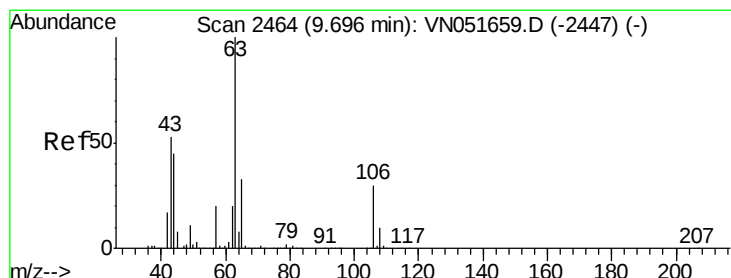
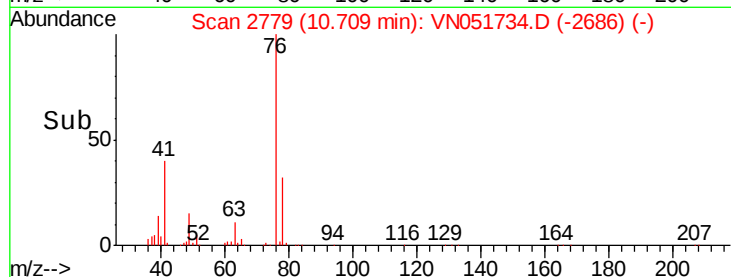
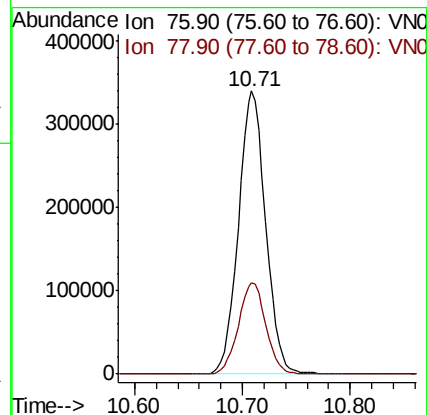
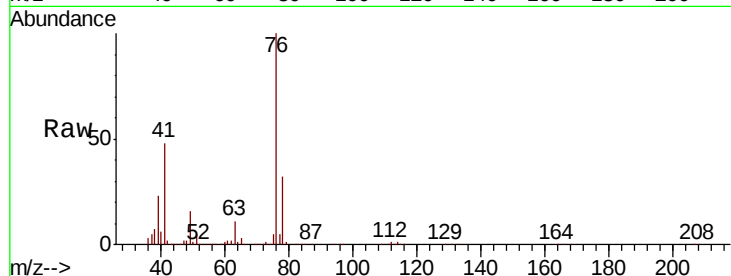
78 32.9 26.0 39.0

Manual Integrations

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10/10/2018 11:48:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 258.861 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051734.D

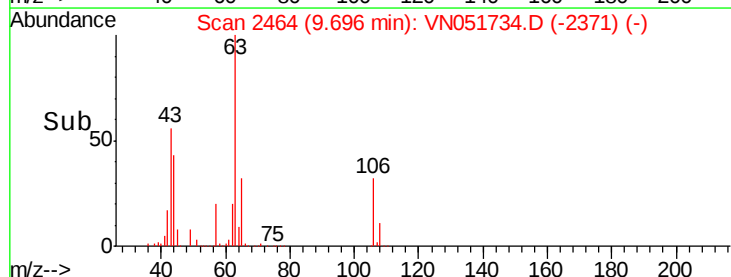
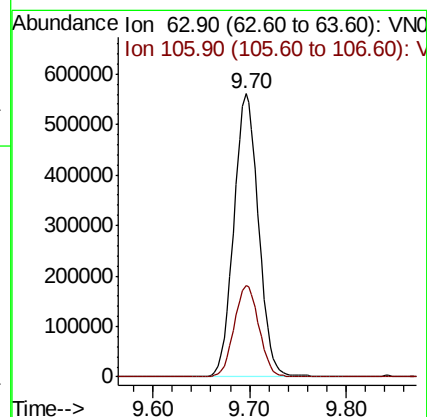
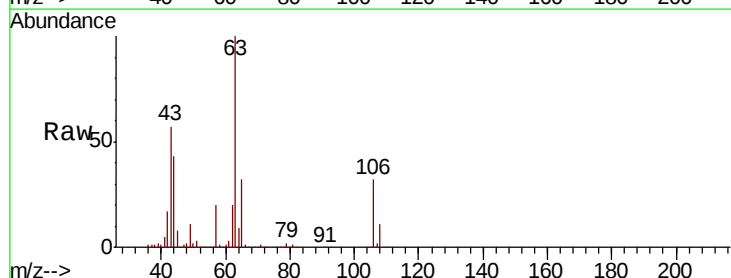
Acq: 8 Oct 2018 14:34

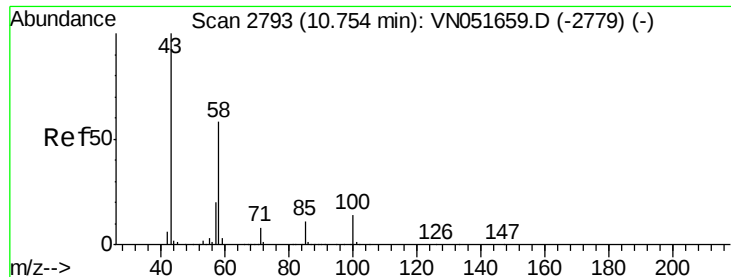
Tgt Ion: 63 Resp: 993127

Ion Ratio Lower Upper

63 100

106 32.5 24.3 36.5





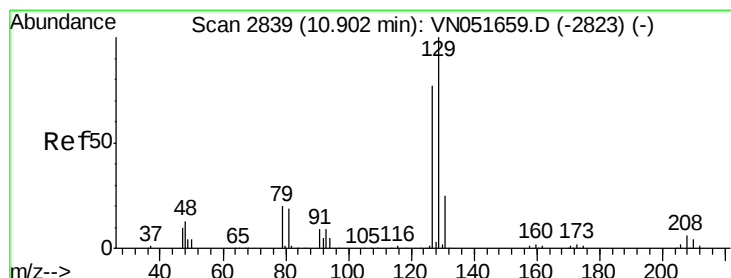
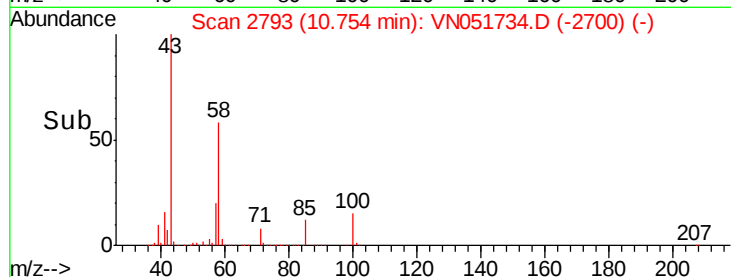
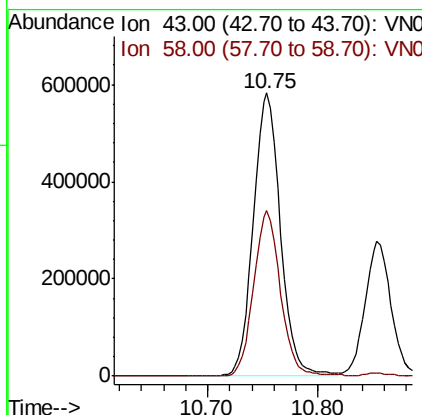
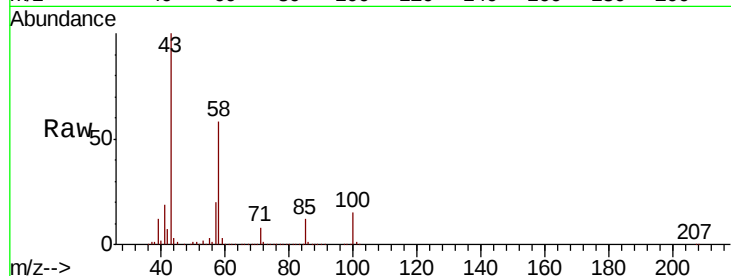
#59
2-Hexanone
Concen: 254.026 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion: 43 Resp: 992069
Ion Ratio Lower Upper
43 100
58 57.7 28.8 86.4

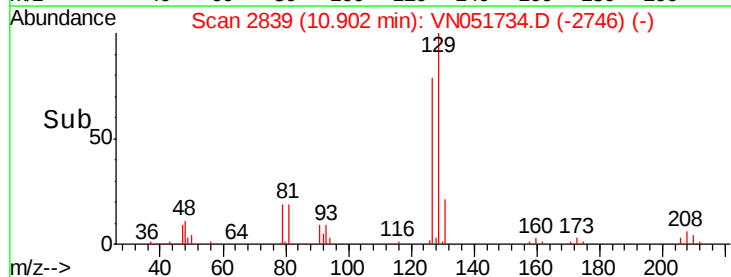
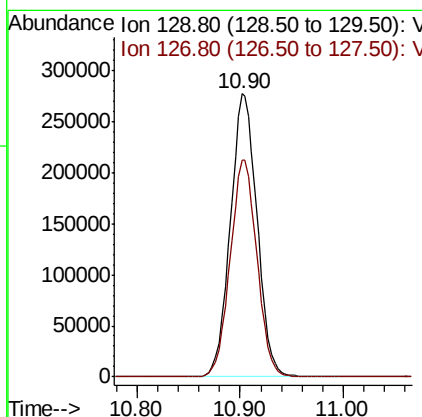
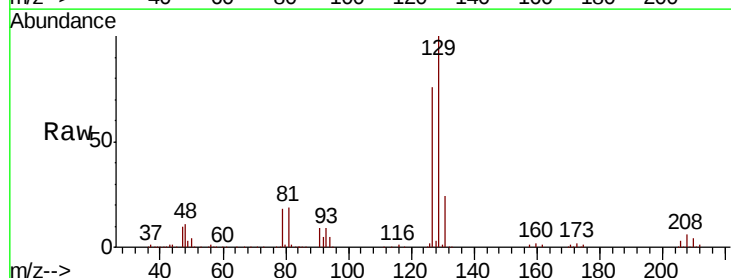
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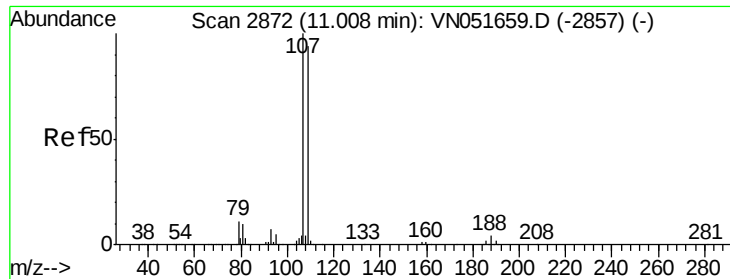
MMDadoda
10/10/2018 11:48:38 AM



#60
Dibromochloromethane
Concen: 52.134 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion: 129 Resp: 500115
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7





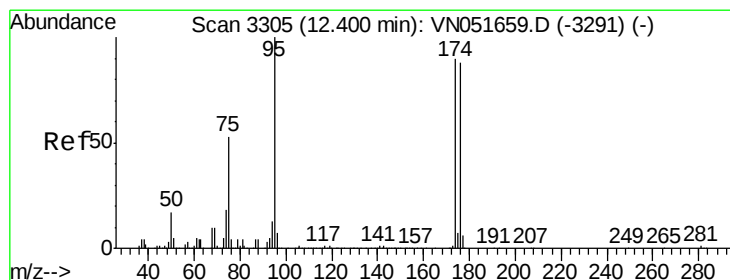
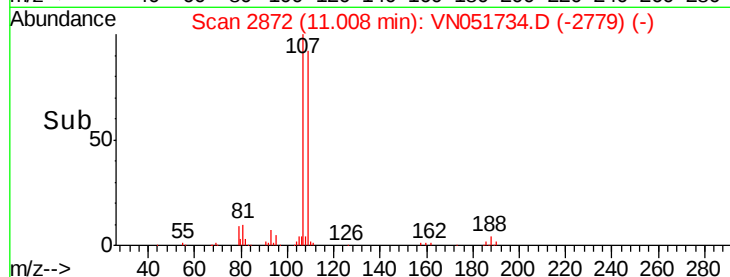
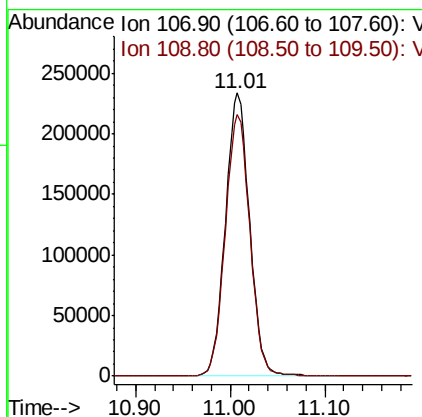
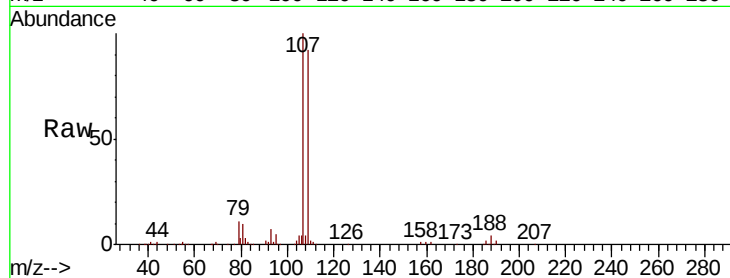
#61
 1,2-Dibromoethane
 Concen: 53.582 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

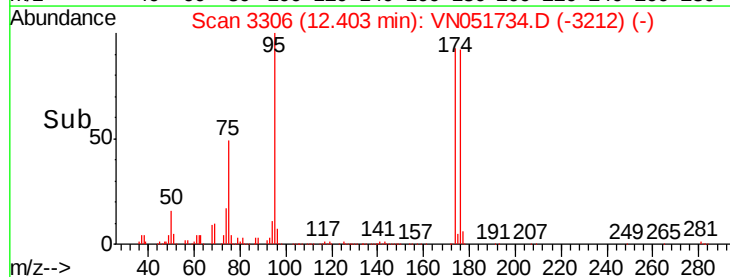
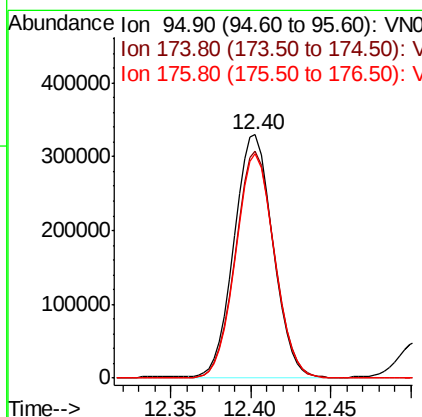
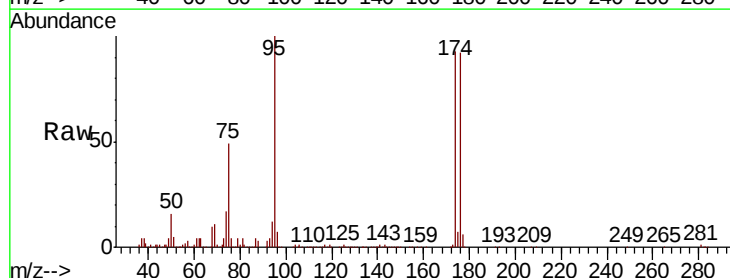
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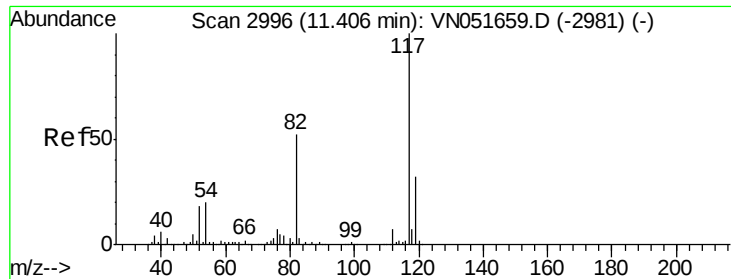
MMDadoda
 10/10/2018 11:48:38 AM



#62
 4-Bromofluorobenzene
 Concen: 53.582 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	182.8
176	92.1	0.0	176.4





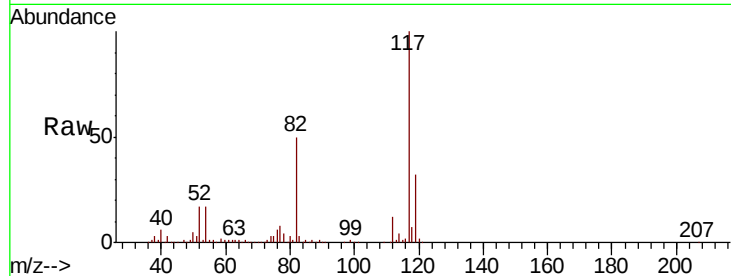
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	971113		
82	50.1	41.3	61.9	
119	32.4	25.9	38.9	

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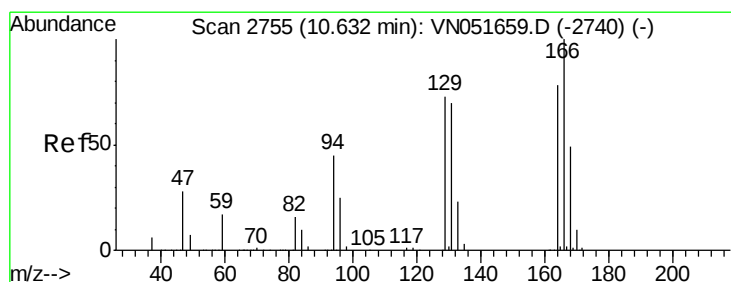
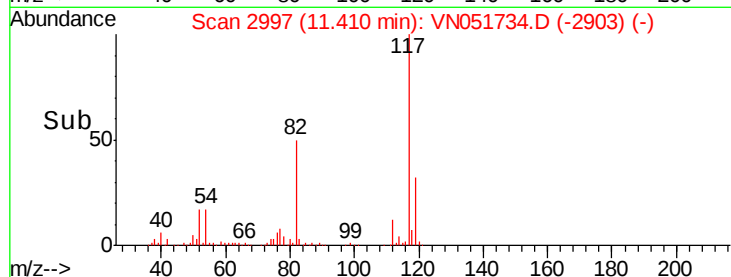
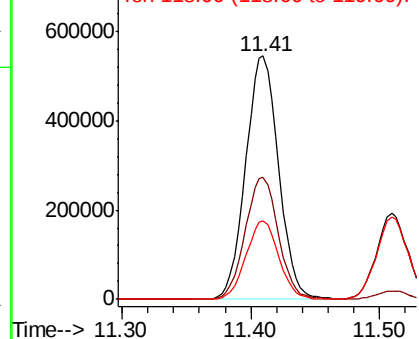


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.407 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	440438		
166	128.1	103.0	154.6	
129	93.4	75.2	112.8	
131	89.2	71.7	107.5	

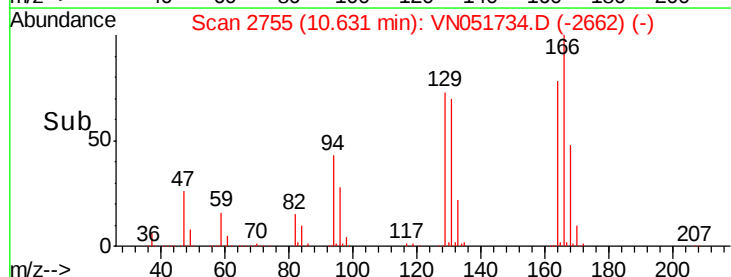
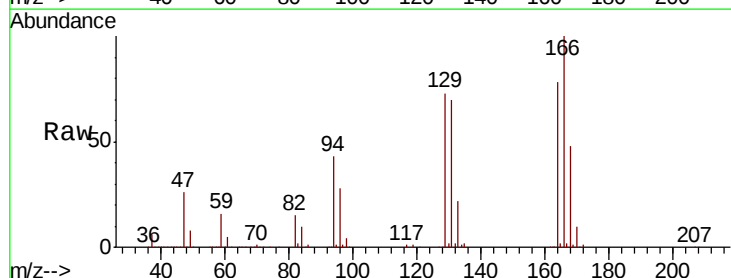
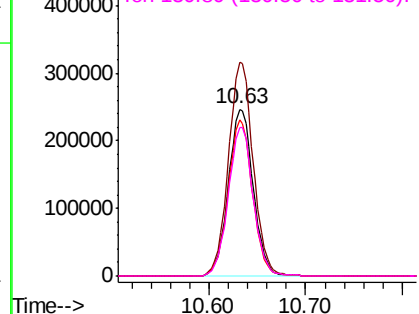
Abundance

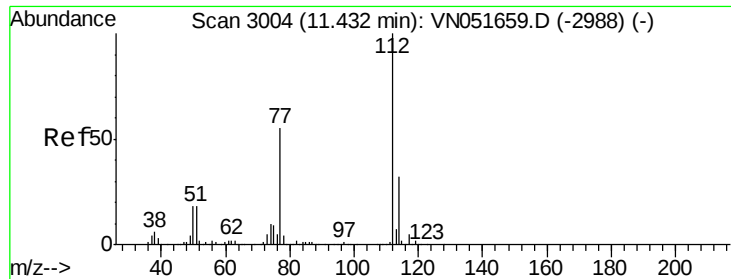
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





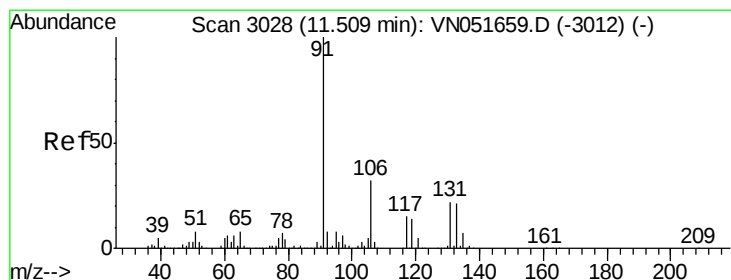
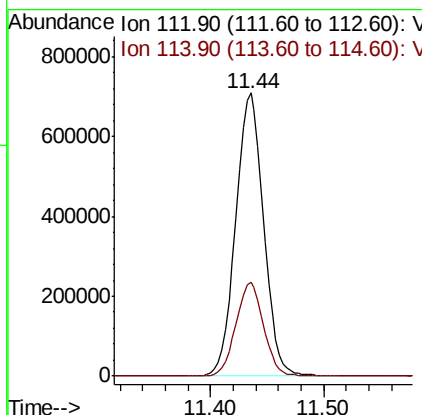
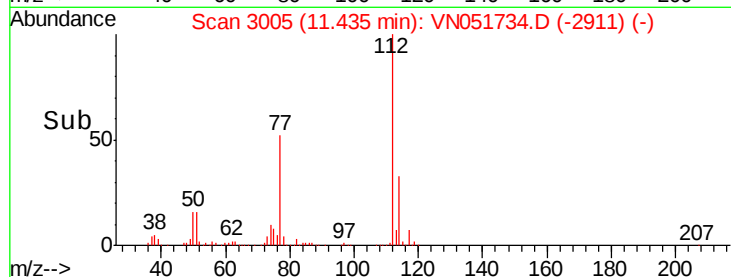
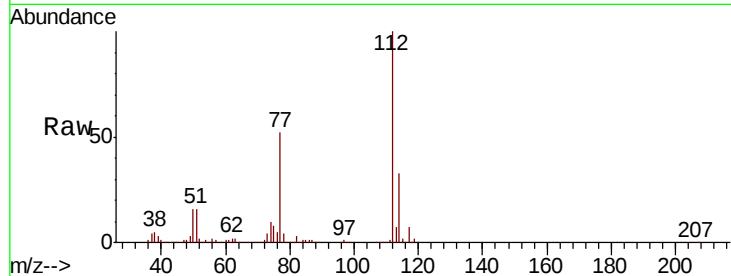
#65
Chlorobenzene
Concen: 50.652 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion:112 Resp: 1218245
Ion Ratio Lower Upper
112 100
114 33.1 25.9 38.9

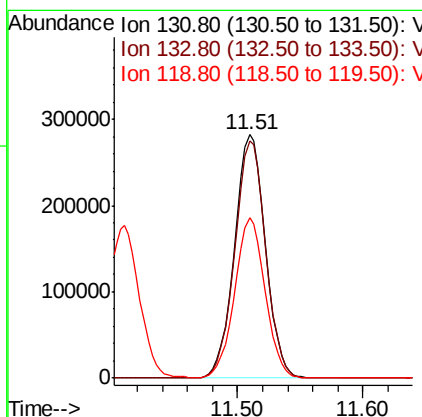
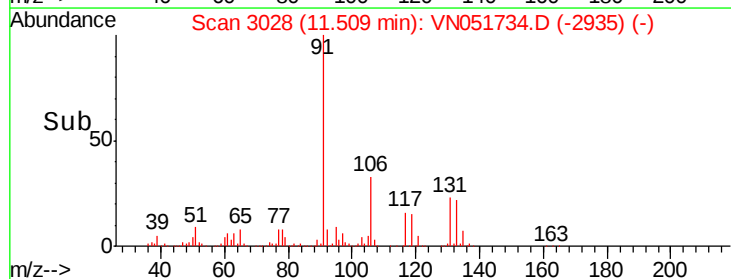
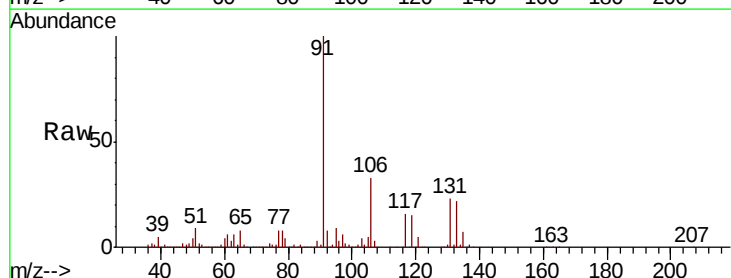
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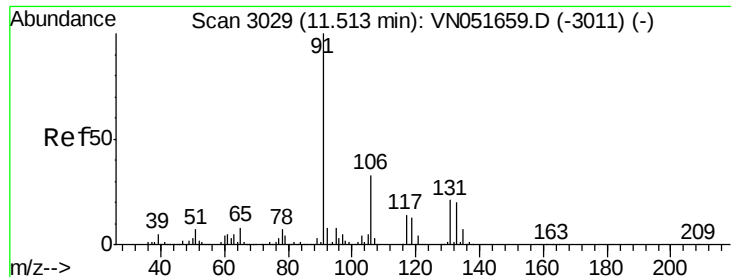
MMDadoda
10/10/2018 11:48:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.053 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion:131 Resp: 482024
Ion Ratio Lower Upper
131 100
133 97.2 47.6 142.8
119 65.0 32.0 96.0





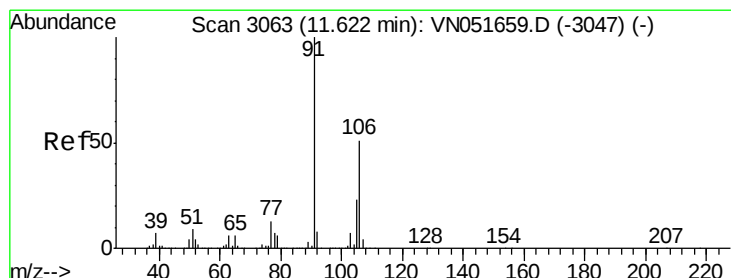
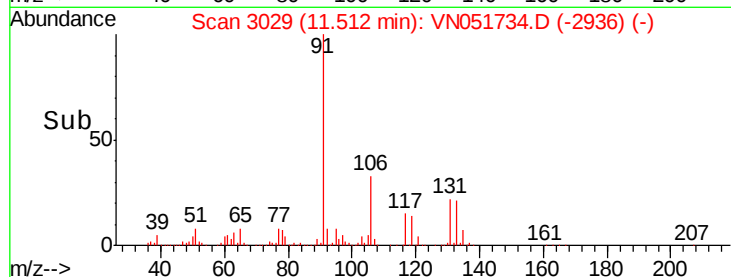
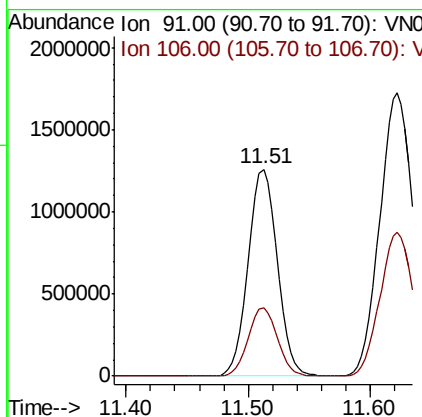
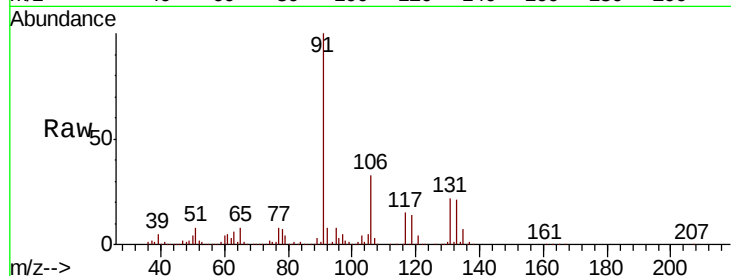
#67
Ethyl Benzene
Concen: 49.833 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion: 91 Resp: 2071613
Ion Ratio Lower Upper
91 100
106 32.8 26.0 39.0

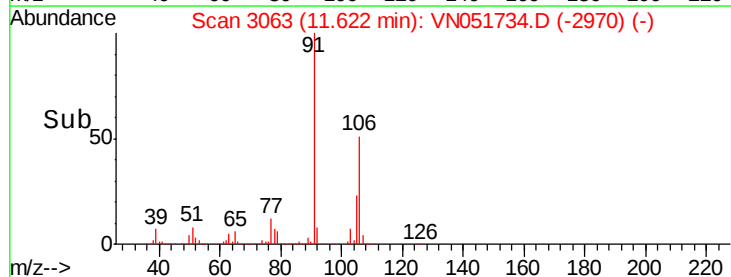
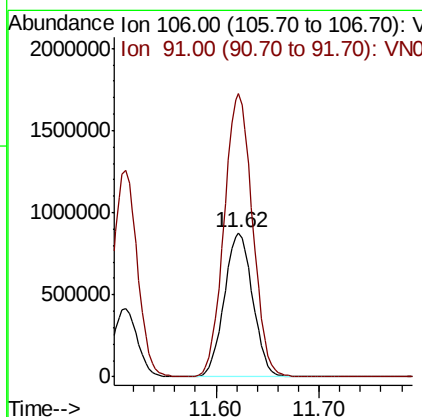
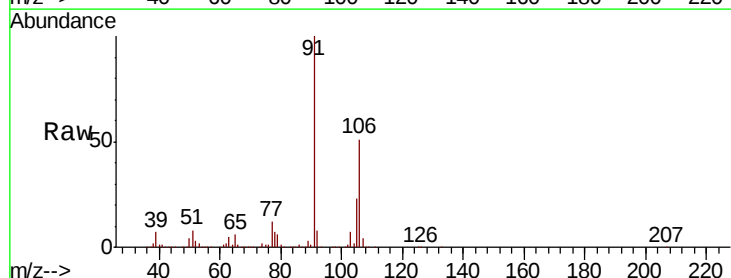
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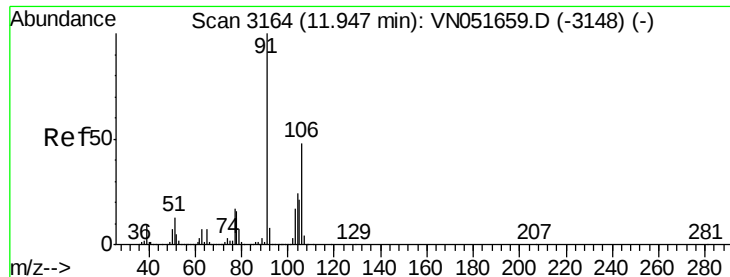
MMDadoda
10/10/2018 11:48:38 AM



#68
m/p-Xylenes
Concen: 101.315 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion: 106 Resp: 1685199
Ion Ratio Lower Upper
106 100
91 196.1 158.4 237.6





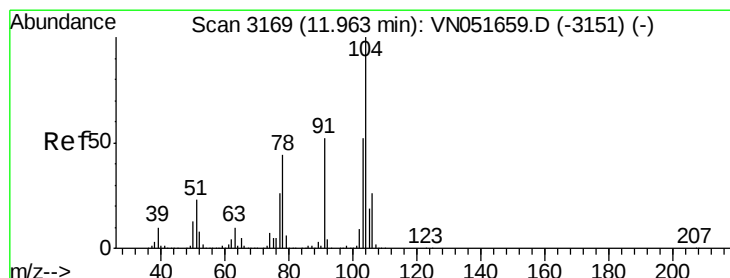
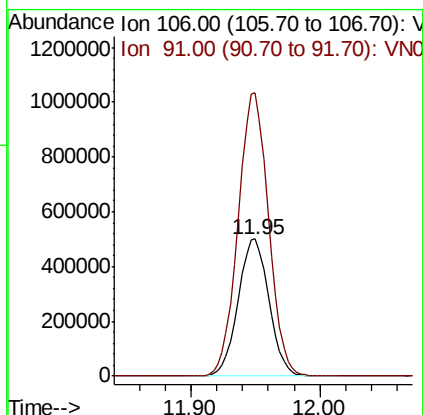
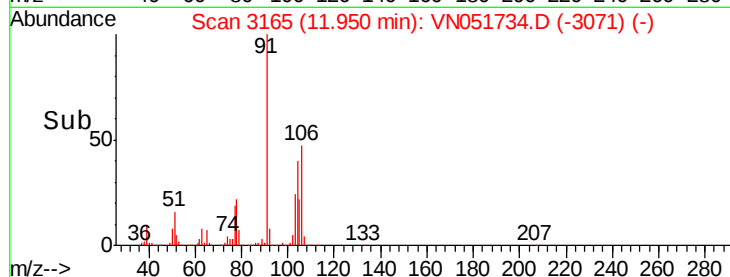
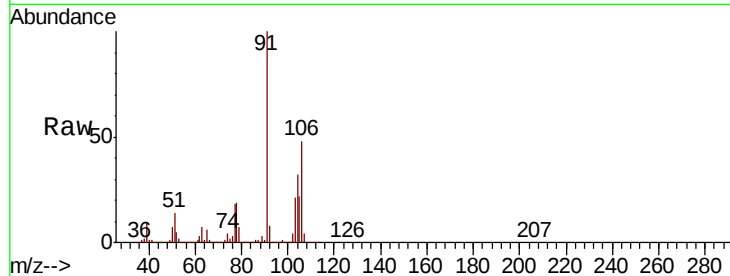
#69
o-Xylene
Concen: 50.928 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion:106 Resp: 830753
Ion Ratio Lower Upper
106 100
91 204.6 104.4 313.2

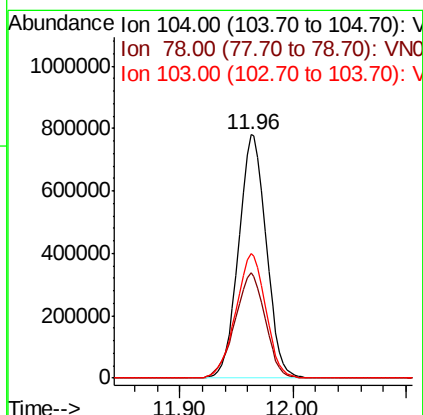
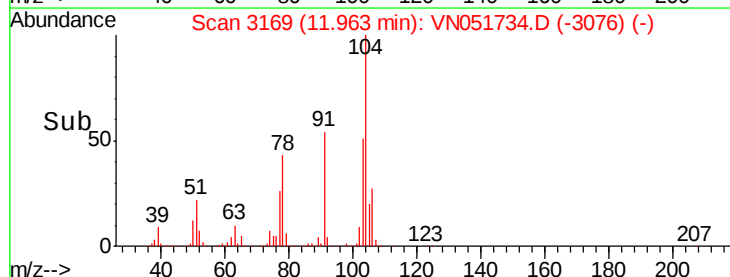
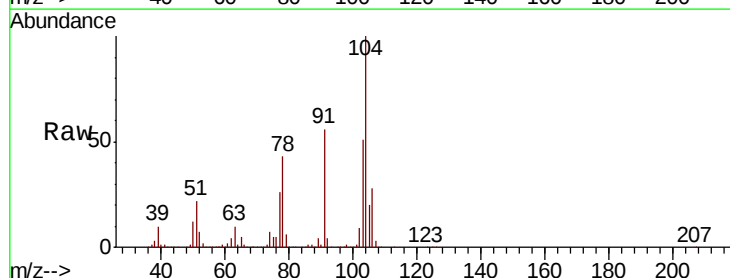
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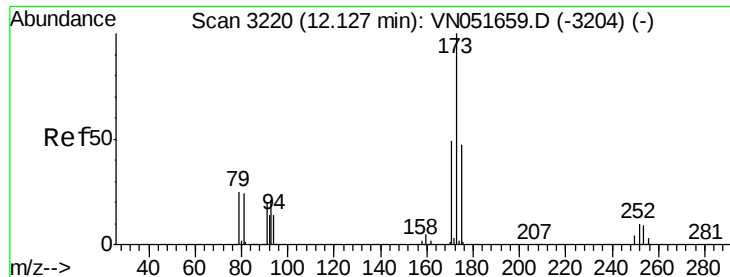
MMDadoda
10/10/2018 11:48:38 AM



#70
Styrene
Concen: 51.096 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion:104 Resp: 1328124
Ion Ratio Lower Upper
104 100
78 47.3 39.3 58.9
103 55.5 45.0 67.6





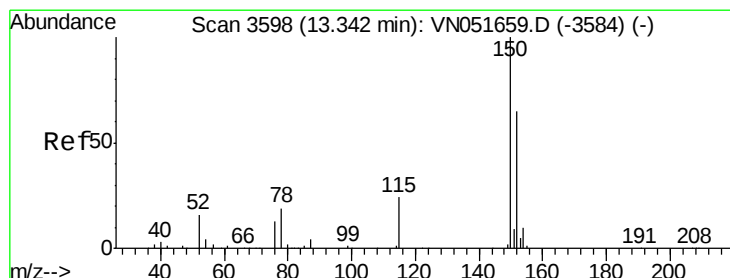
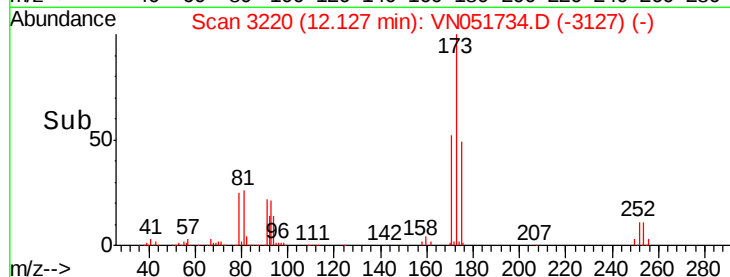
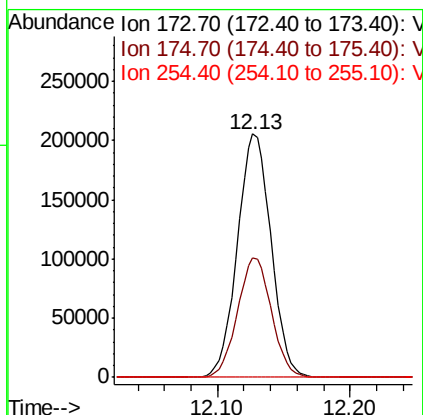
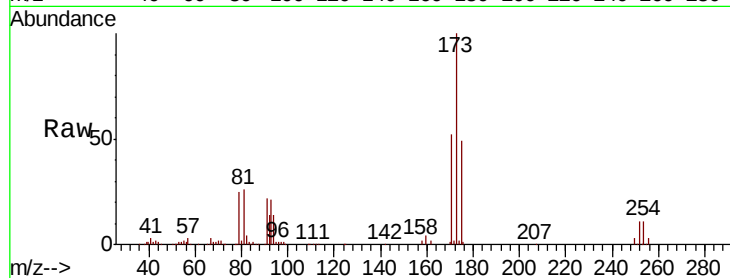
#71
Bromoform
Concen: 50.576 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.0	72.0
254	0.1	0.1	0.1

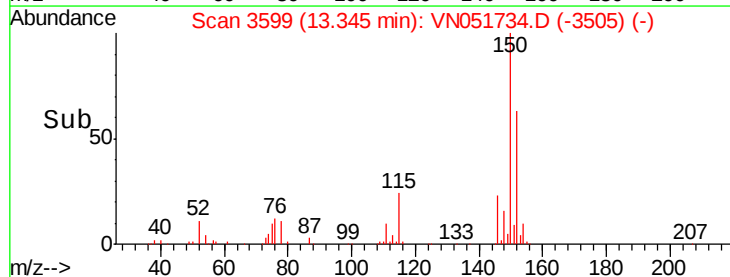
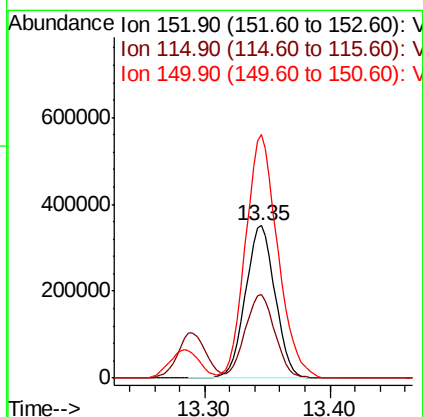
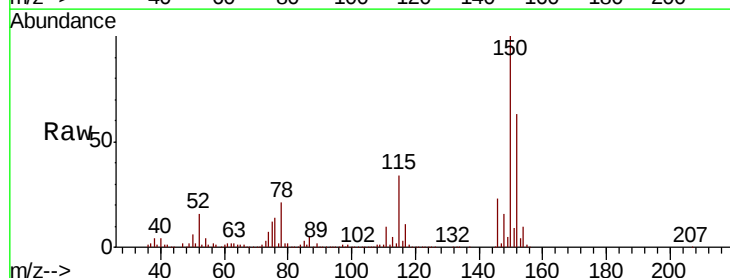
Manual Integrations
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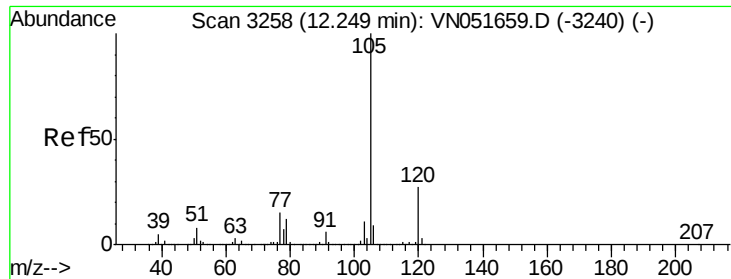
MMDadoda
10/10/2018 11:48:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.6	85.8
150	174.1	0.0	352.4





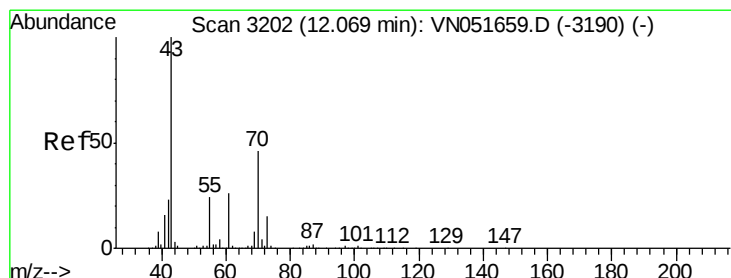
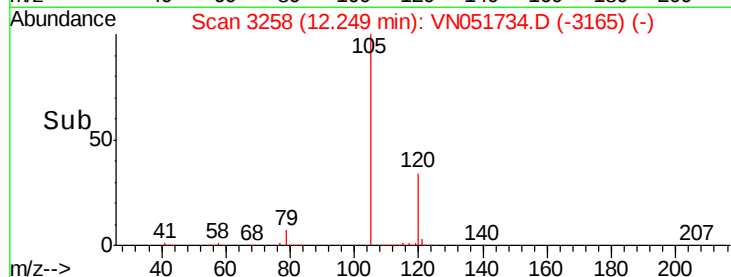
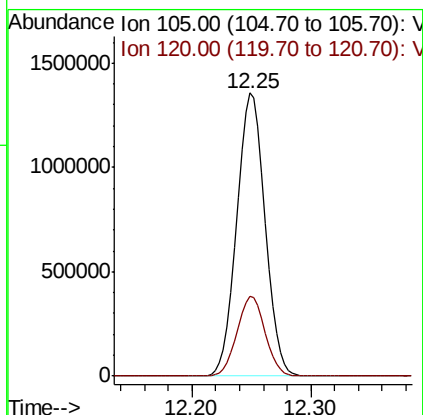
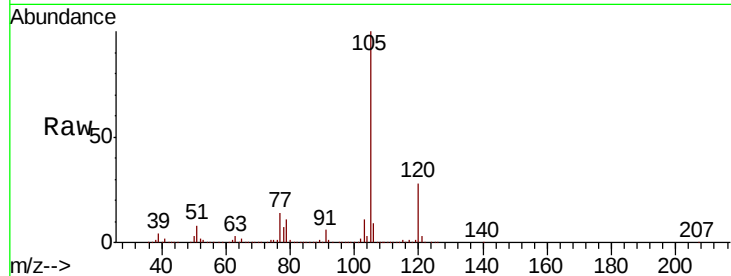
#73
Isopropylbenzene
Concen: 45.608 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion:105 Resp: 2232496
Ion Ratio Lower Upper
105 100
120 27.9 13.9 41.6

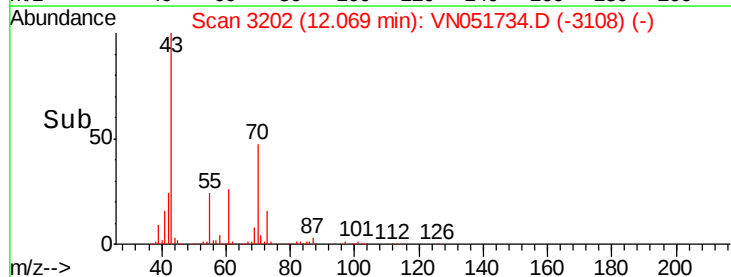
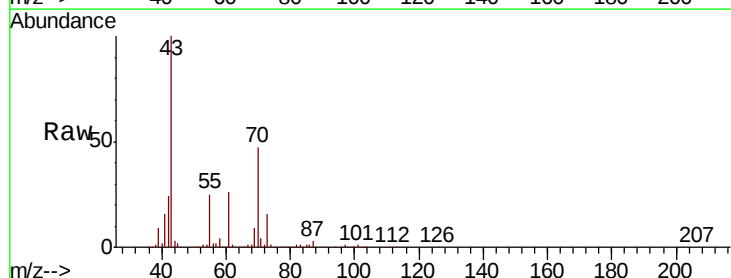
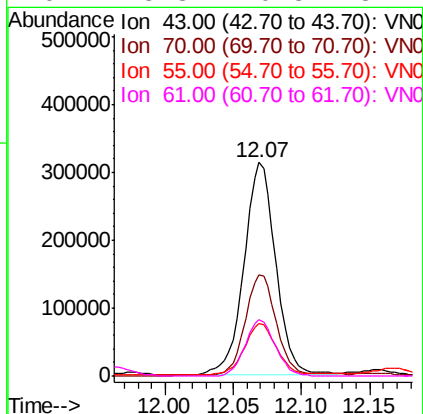
Manual Integrations
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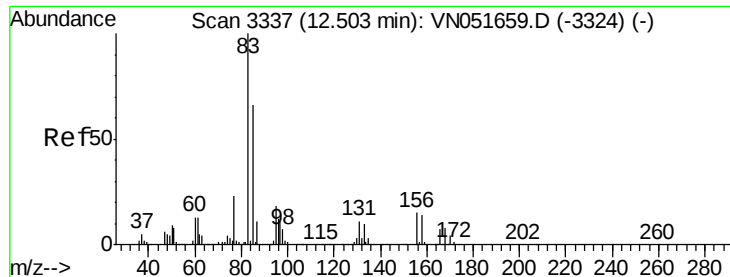
MMDadoda
10/10/2018 11:48:38 AM



#74
N-ethyl acetate
Concen: 49.826 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion: 43 Resp: 504203
Ion Ratio Lower Upper
43 100
70 46.2 37.1 55.7
55 24.3 19.1 28.7
61 25.3 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.766 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

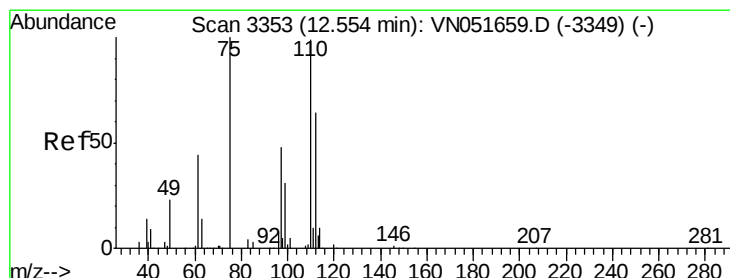
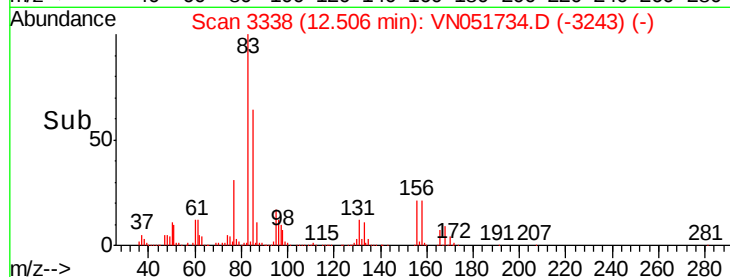
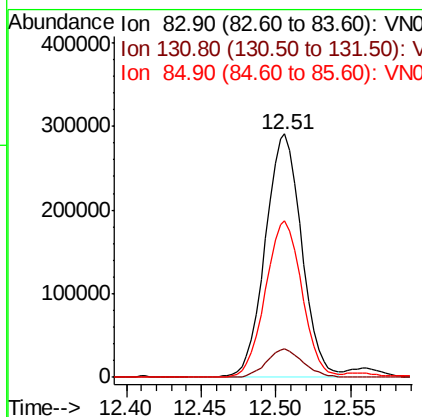
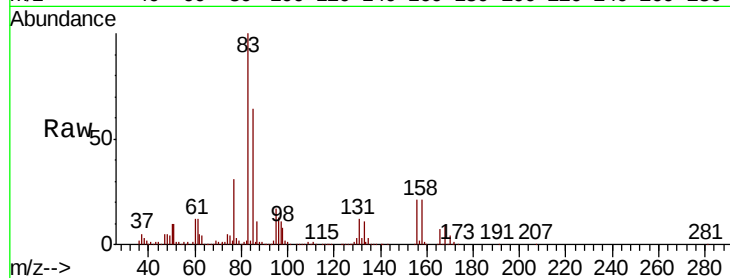
ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion:	83	Resp:	490001
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.7	17.1
85	64.7	33.0	98.9

Manual Integrations
APPROVED

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10/10/2018 11:48:38 AM



#76

1,2,3-Trichloropropane

Concen: 61.781 ug/l m

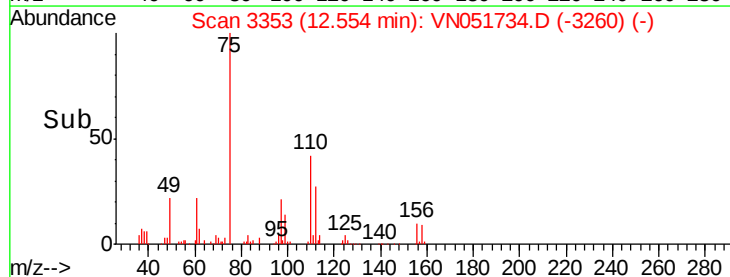
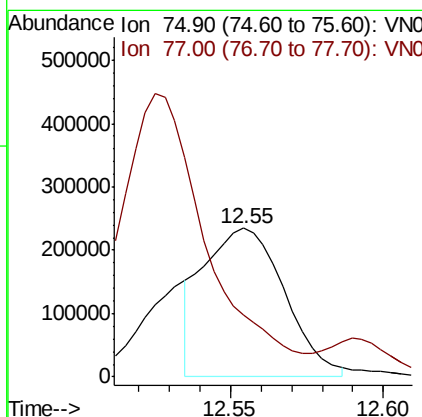
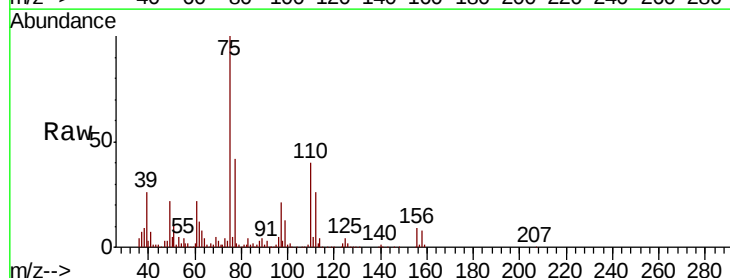
RT: 12.55 min Scan# 3353

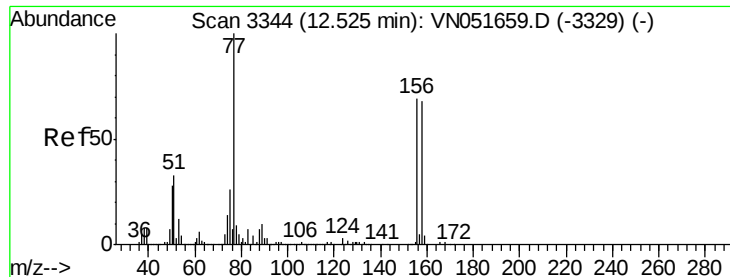
Delta R.T. 0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Tgt Ion:	75	Resp:	433909
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





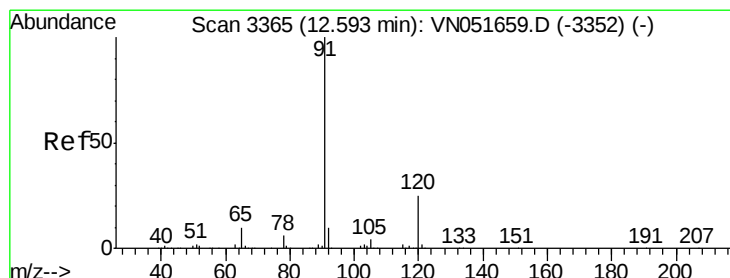
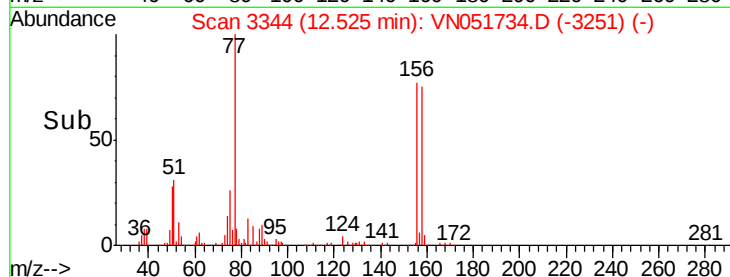
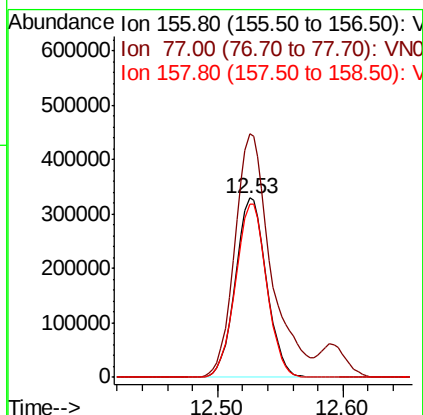
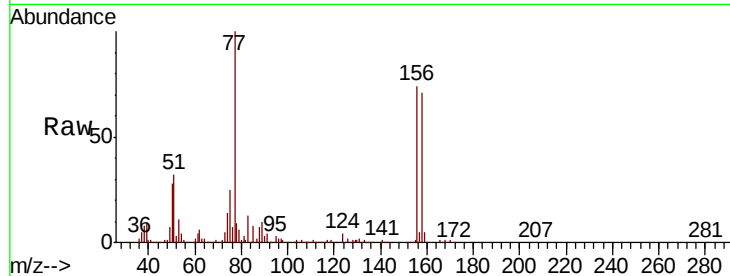
#77
Bromobenzene
Concen: 47.213 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.3	83.2	249.4
158	97.2	49.0	147.2

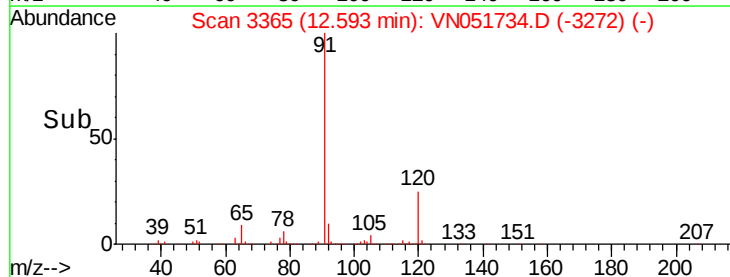
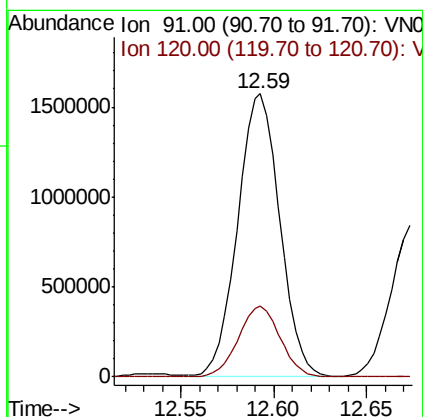
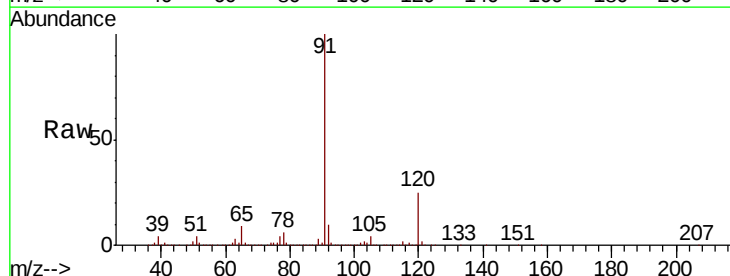
Manual Integrations
APPROVED

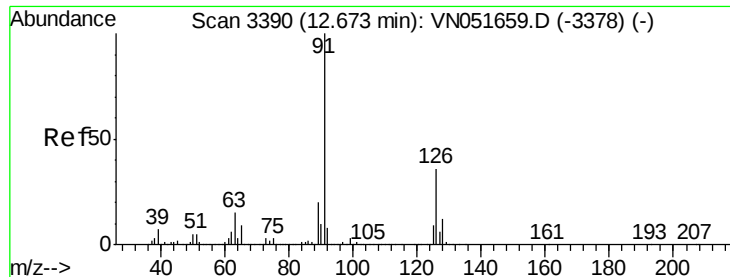
MMDadoda
10/10/2018 11:48:38 AM



#78
n-propylbenzene
Concen: 46.406 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.2





#79

2-Chlorotoluene

Concen: 45.617 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion: 91 Resp: 1435386

Ion Ratio Lower Upper

91 100

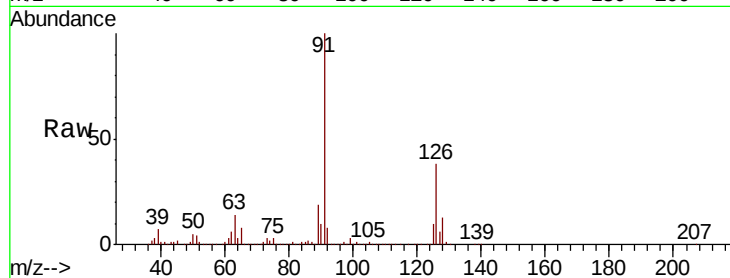
126 37.3 18.5 55.5

Manual Integrations

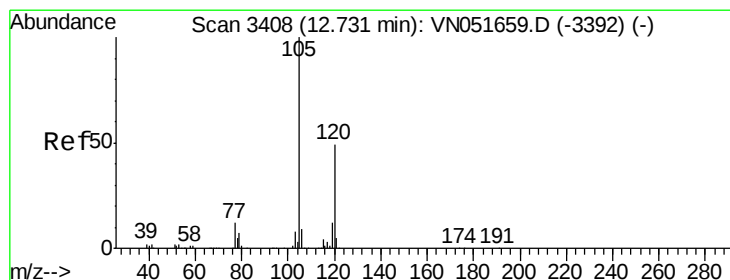
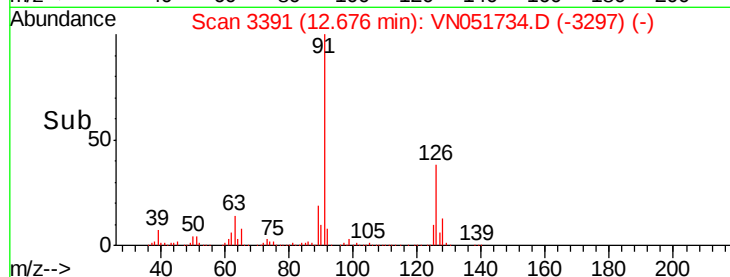
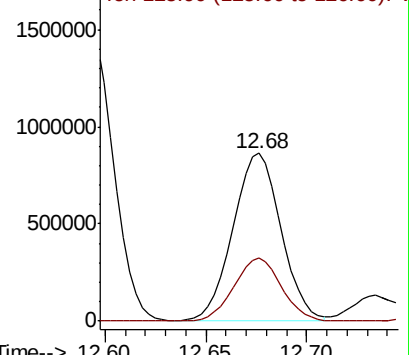
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.707 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051734.D

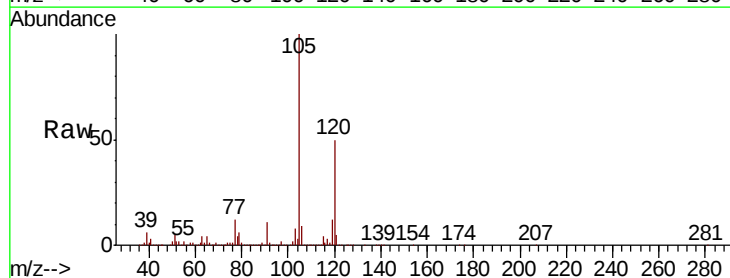
Acq: 8 Oct 2018 14:34

Tgt Ion: 105 Resp: 1926762

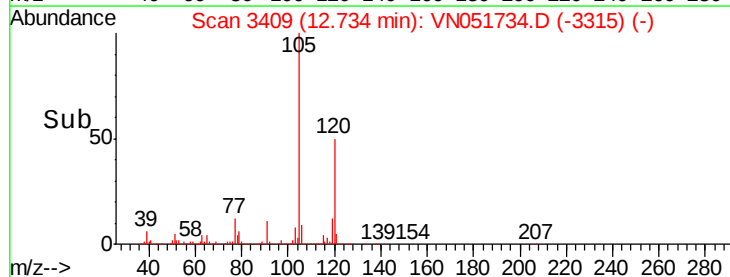
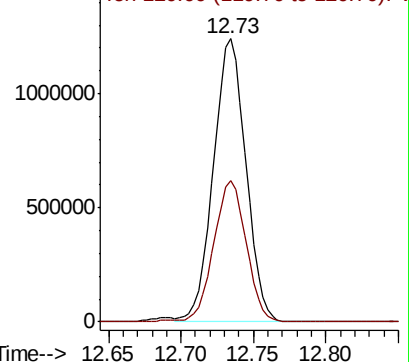
Ion Ratio Lower Upper

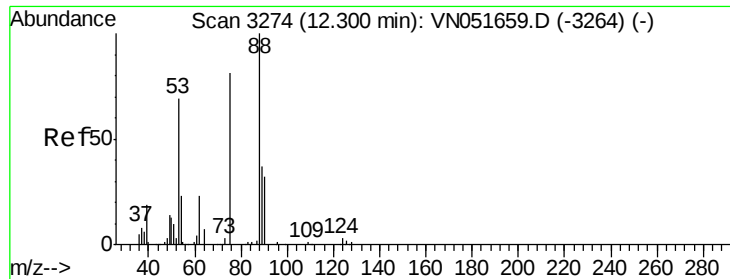
105 100

120 50.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)





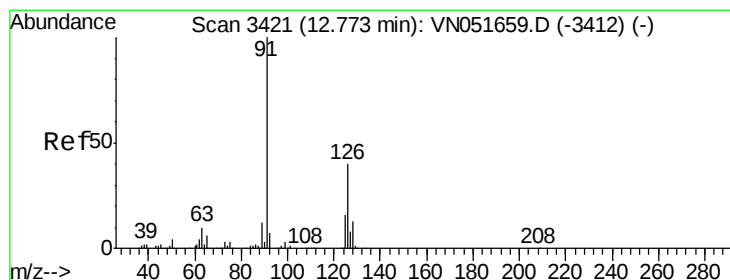
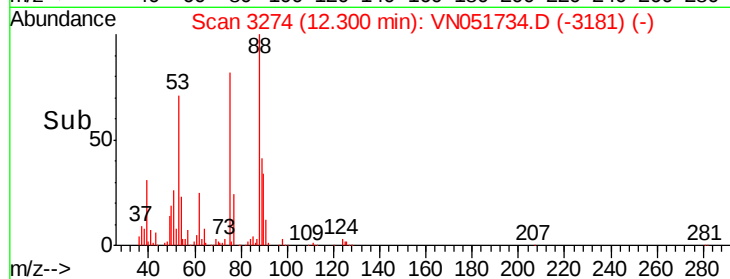
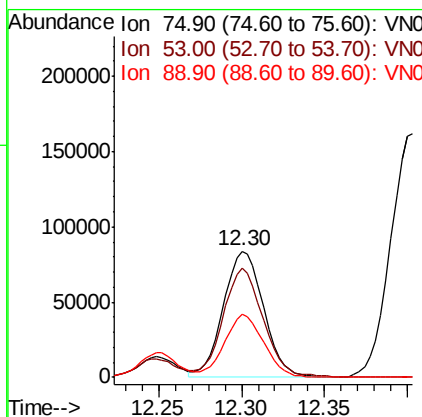
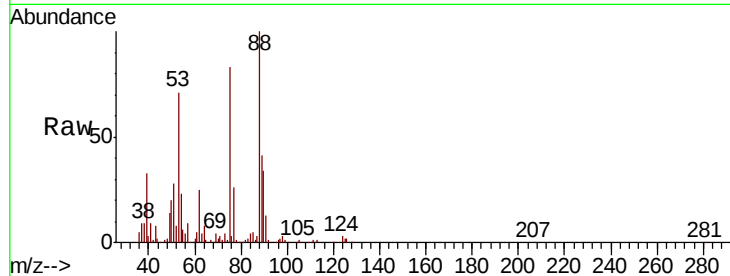
#81
trans-1,4-Dichloro-2-butene
Concen: 44.903 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	68.6	102.8
89	49.7	39.4	59.2

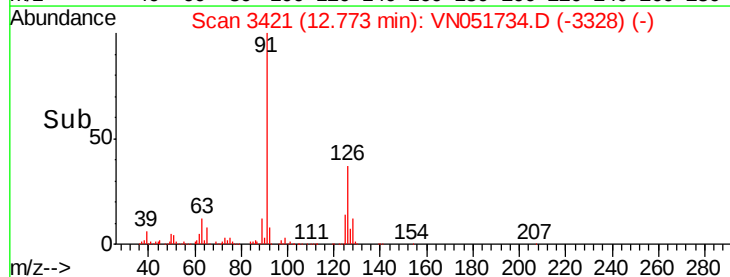
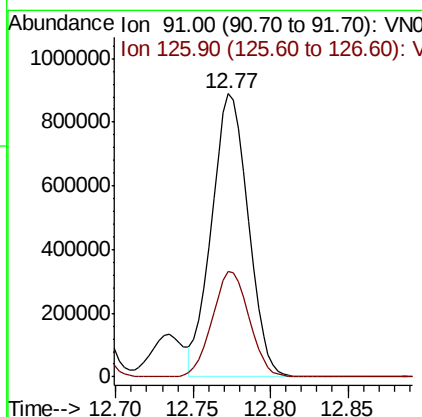
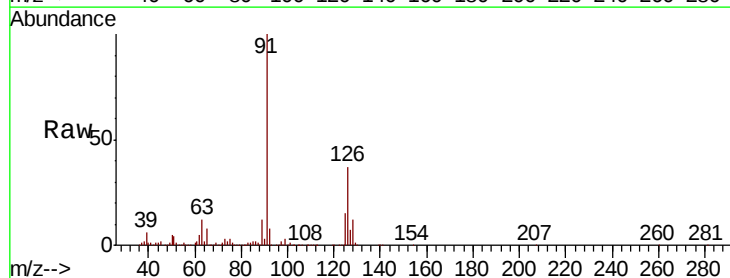
Manual Integrations
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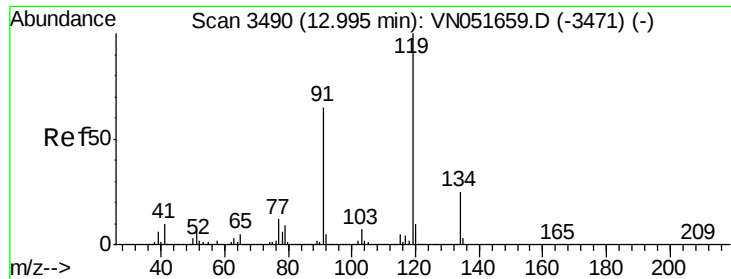
MMDadoda
10/10/2018 11:48:38 AM



#82
4-Chlorotoluene
Concen: 46.159 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.6	18.0	54.0





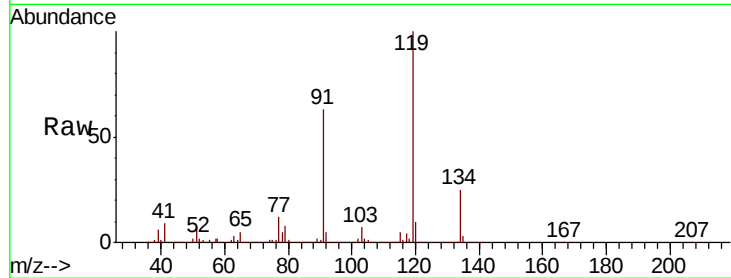
#83
tert-Butylbenzene
Concen: 47.535 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

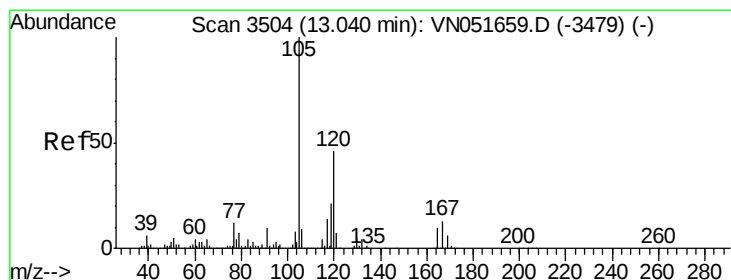
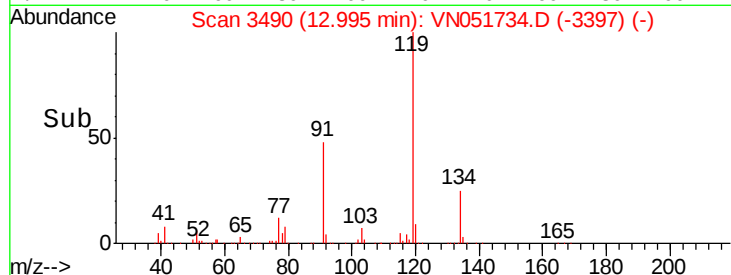
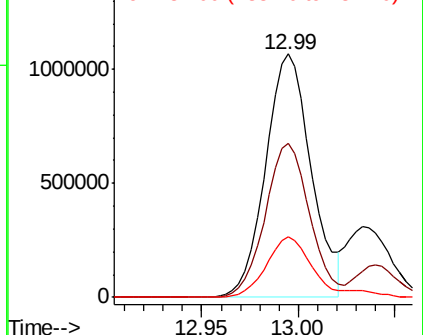
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	32.1	96.5
134	26.2	13.3	39.9

Manual Integrations
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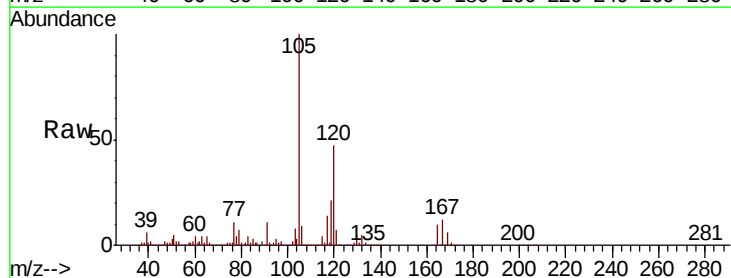


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

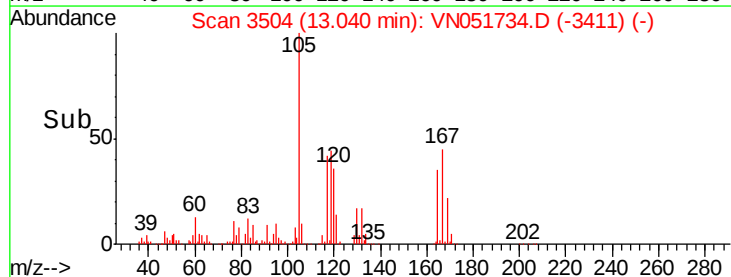
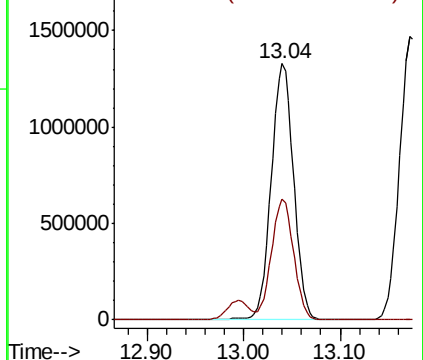


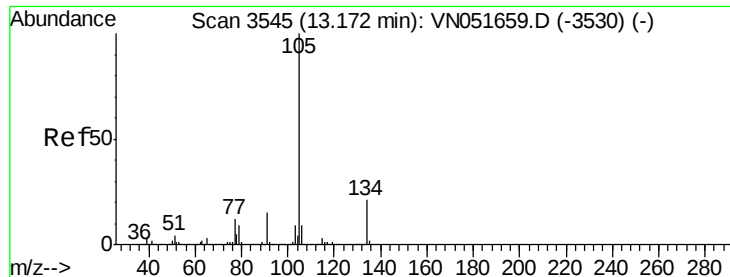
#84
1,2,4-Trimethylbenzene
Concen: 51.620 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.698 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion:105 Resp: 2332170

Ion Ratio Lower Upper

105 100

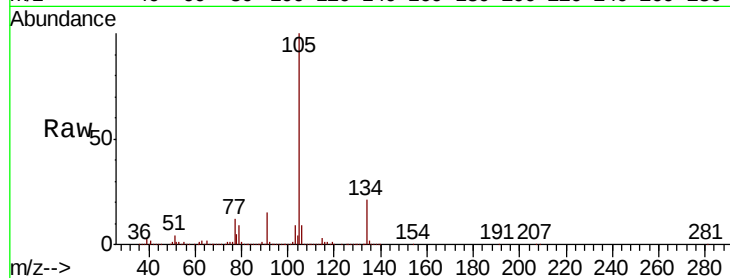
134 21.5 10.5 31.6

Manual Integrations

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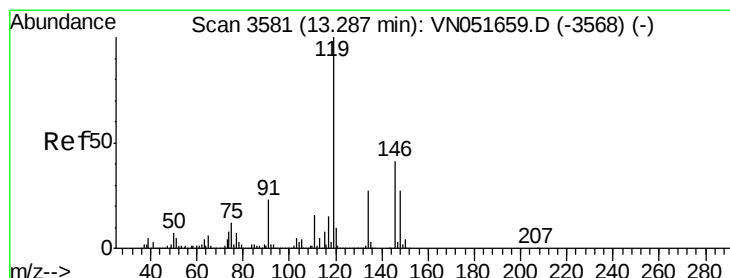
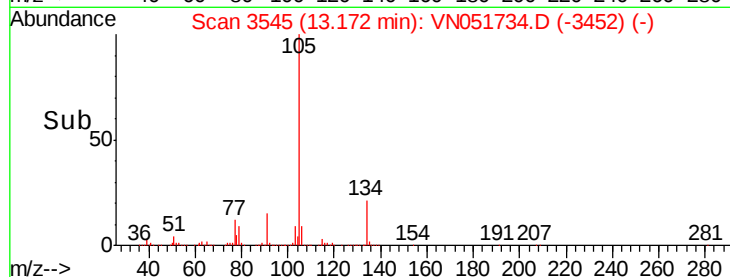
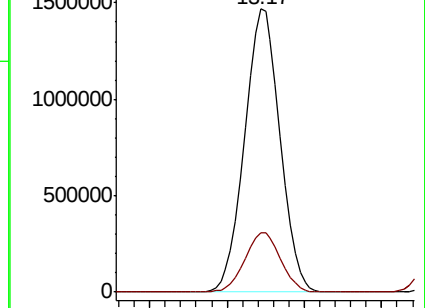
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.037 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

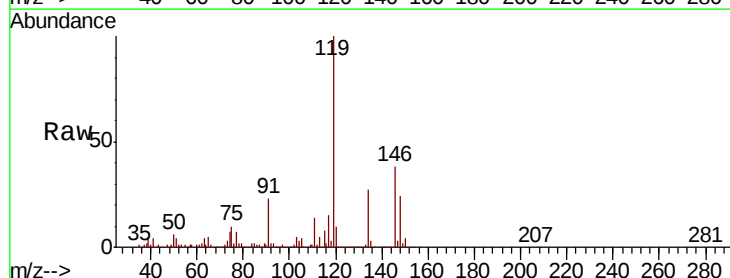
Tgt Ion:119 Resp: 2125559

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

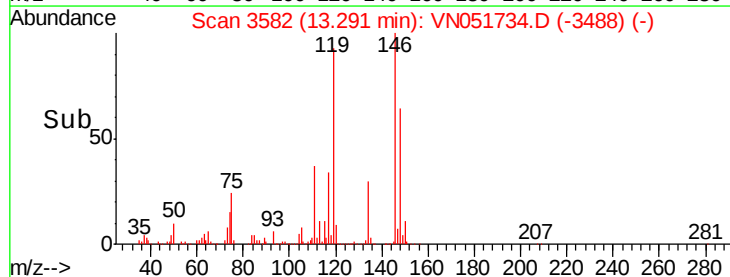
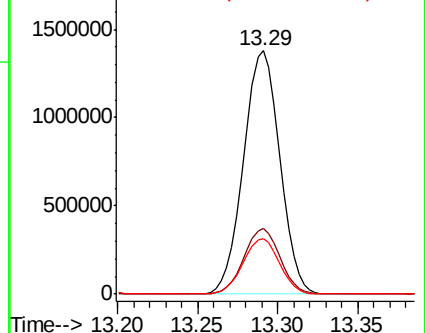
91 22.8 11.7 35.1

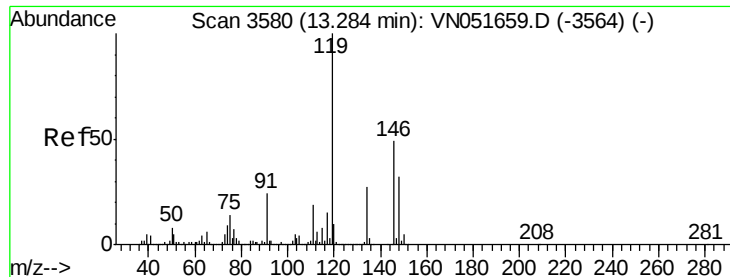


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.431 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MSD

Tot Ion:146 Resp: 1051782

Ion Ratio Lower Upper

146 100

111 37.3 19.3 57.9

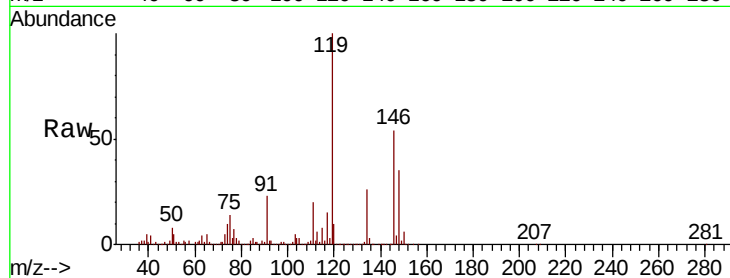
148 63.9 32.5 97.5

Manual Integrations

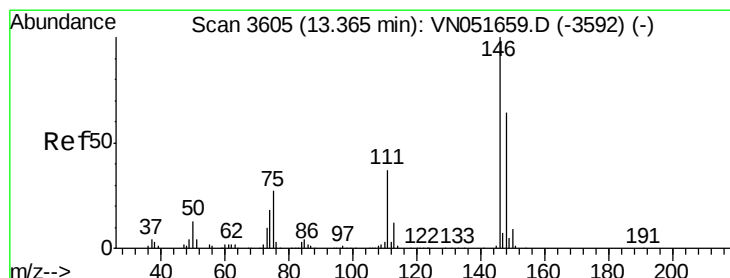
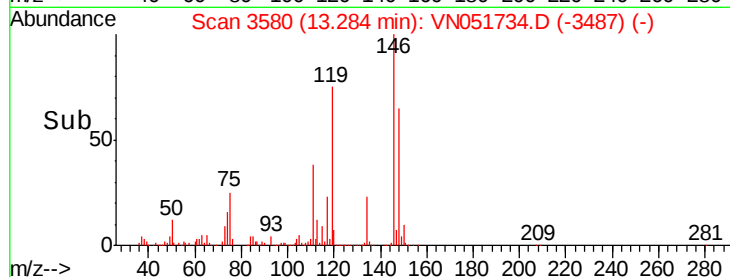
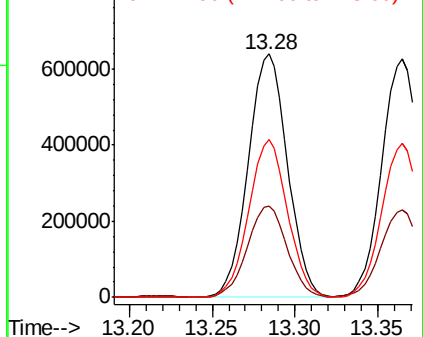
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.579 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051734.D

Acq: 8 Oct 2018 14:34

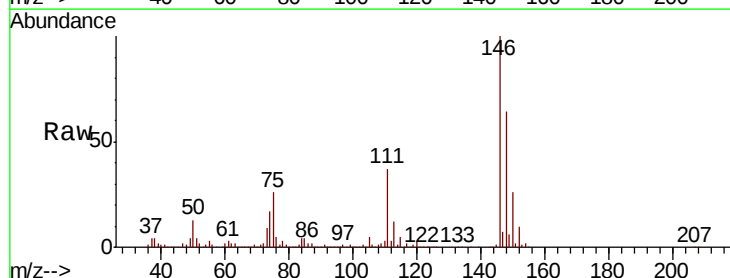
Tgt Ion:146 Resp: 1017776

Ion Ratio Lower Upper

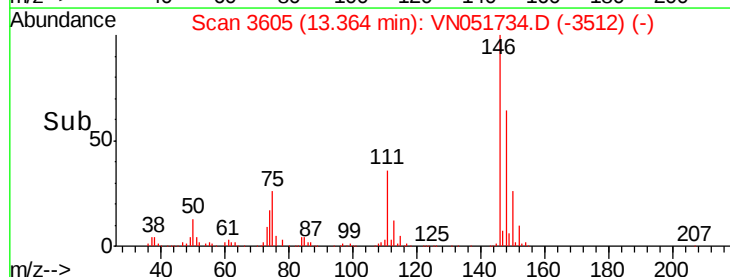
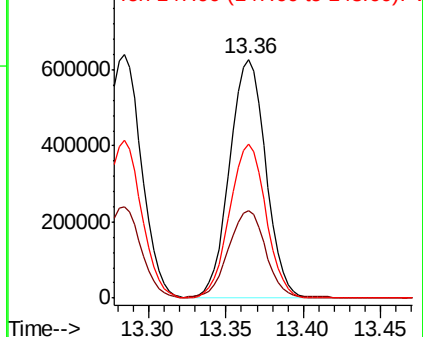
146 100

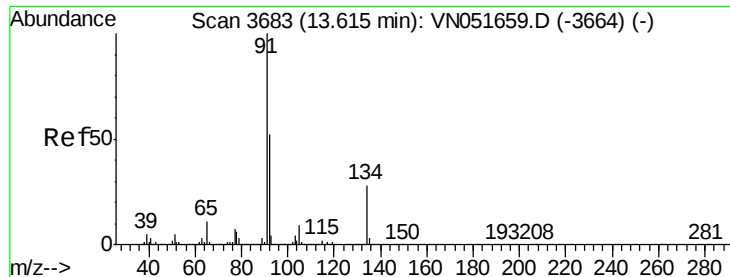
111 36.6 18.6 55.8

148 64.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





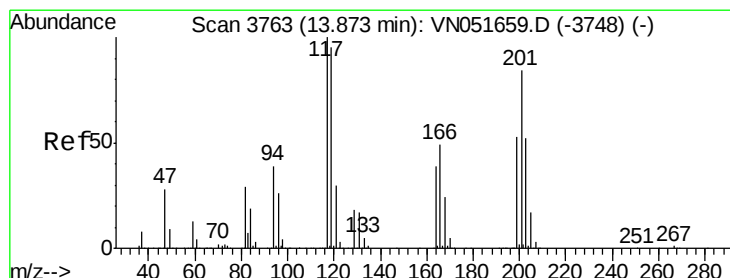
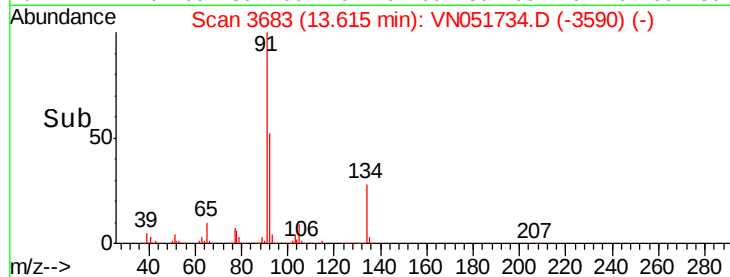
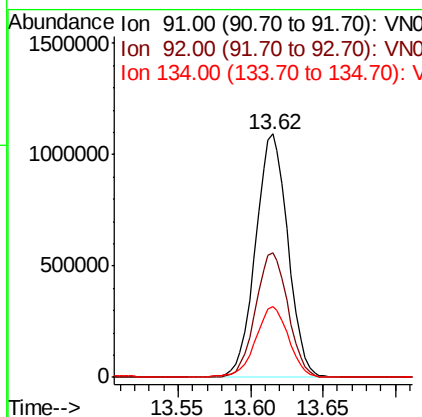
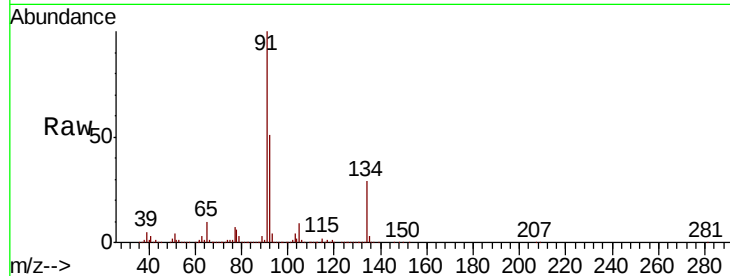
#89
n-Butylbenzene
Concen: 49.396 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	29.8	14.2	42.6

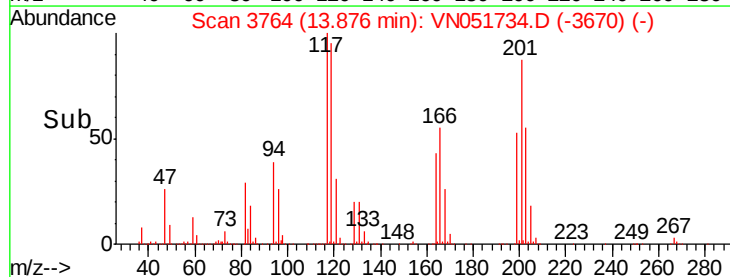
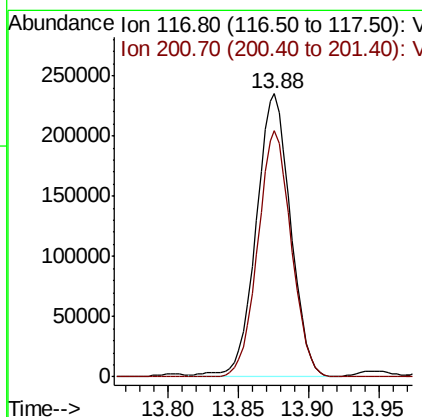
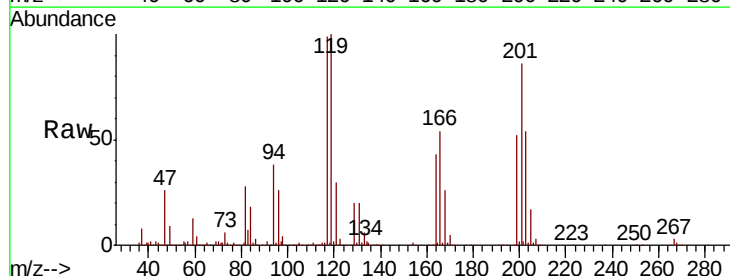
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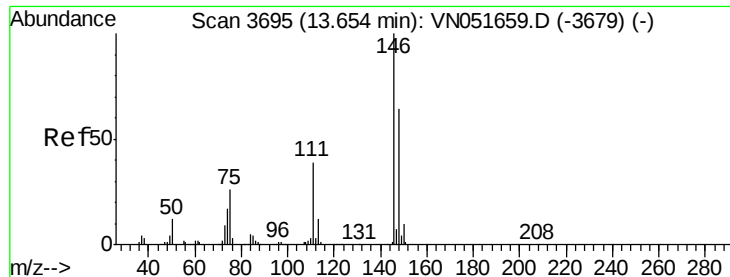
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#90
Hexachloroethane
Concen: 46.130 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	42.4	127.3





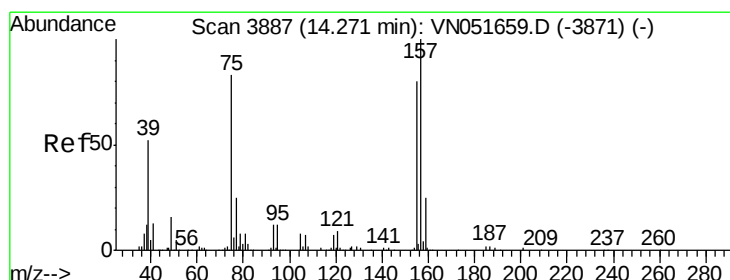
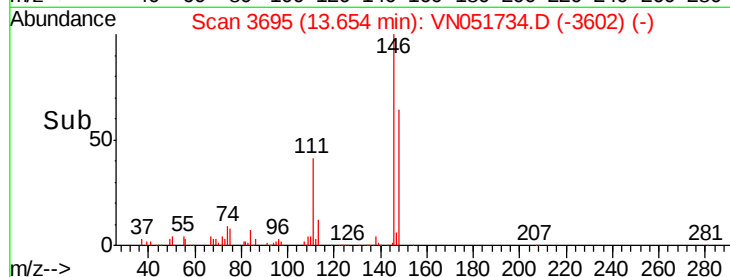
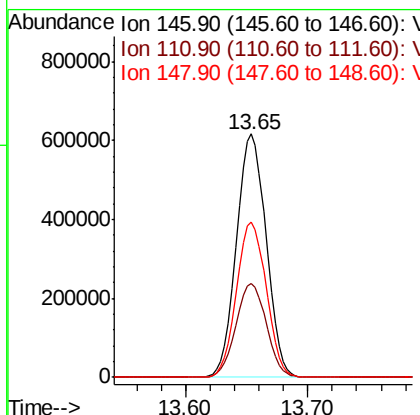
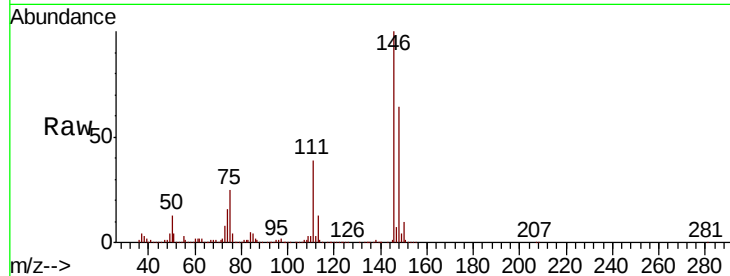
#91
 1,2-Dichlorobenzene
 Concen: 50.026 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.0	32.1	96.3

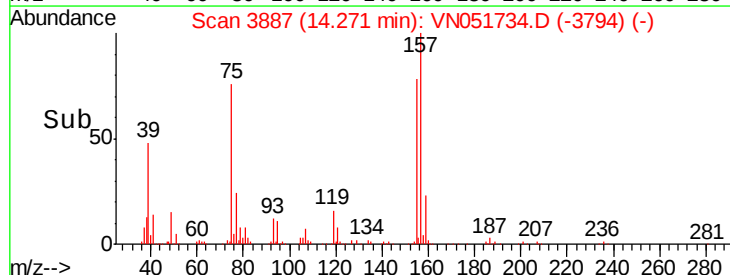
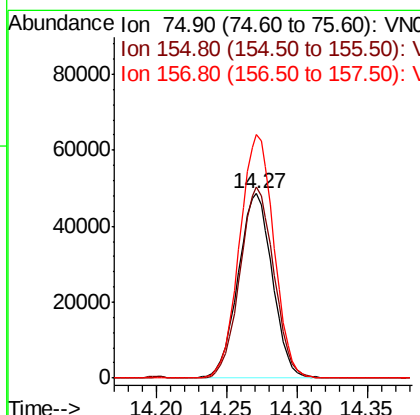
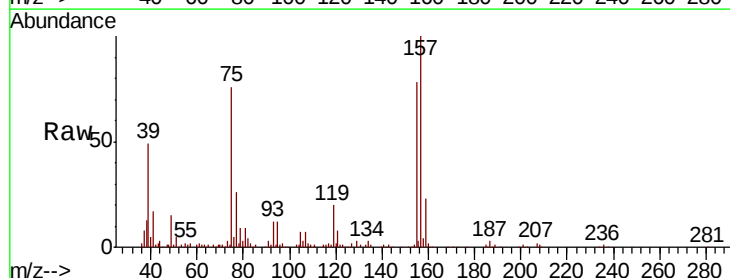
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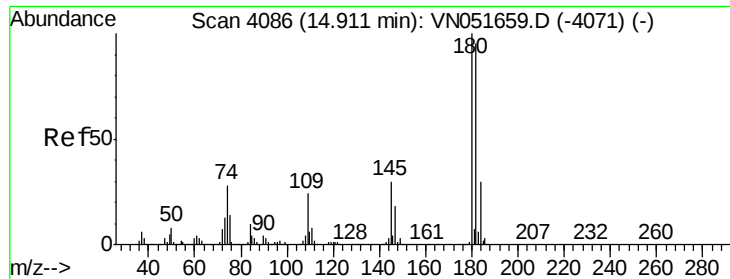
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.202 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	47.6	142.9
157	131.5	61.7	185.1





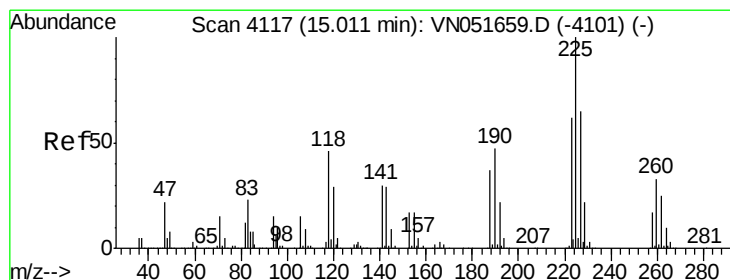
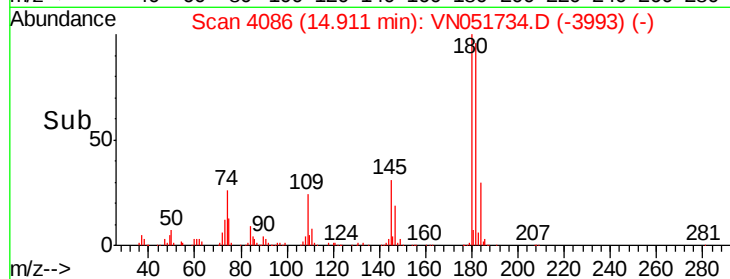
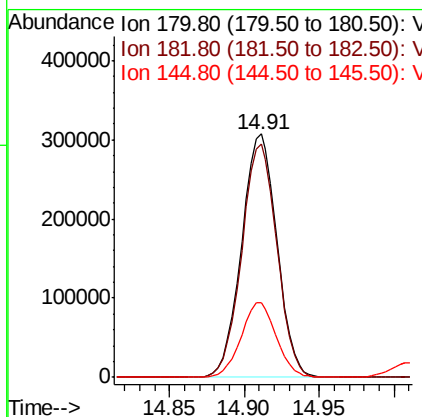
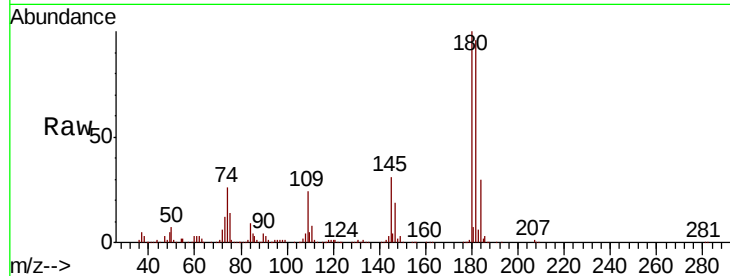
#93
 1,2,4-Trichlorobenzene
 Concen: 54.677 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	30.8	15.3	45.9

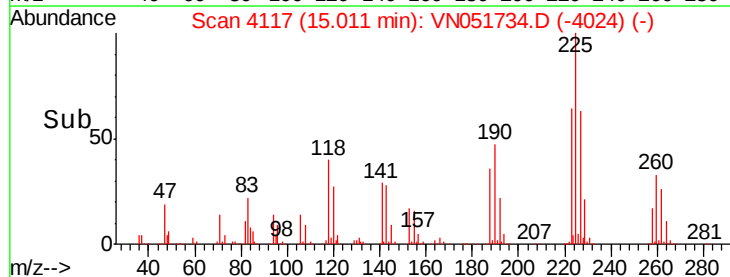
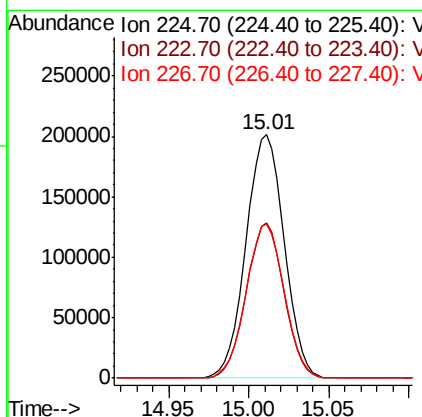
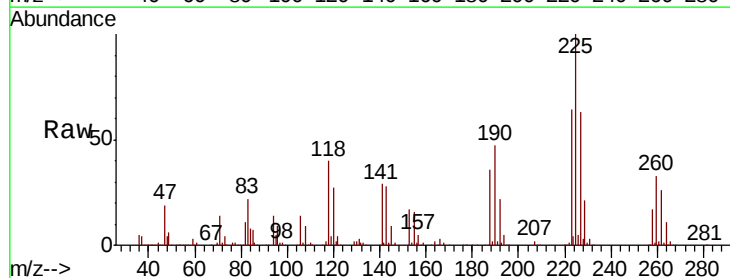
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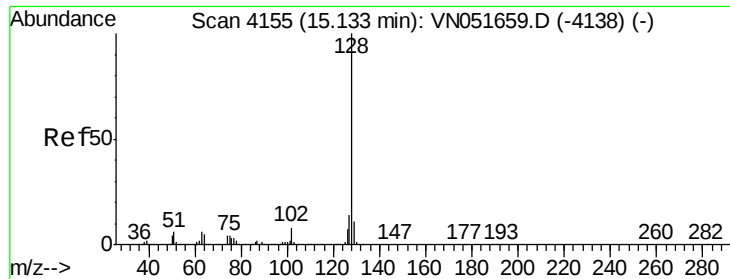
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#94
 Hexachlorobutadiene
 Concen: 52.590 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051734.D
 Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.5
227	63.0	31.7	95.1





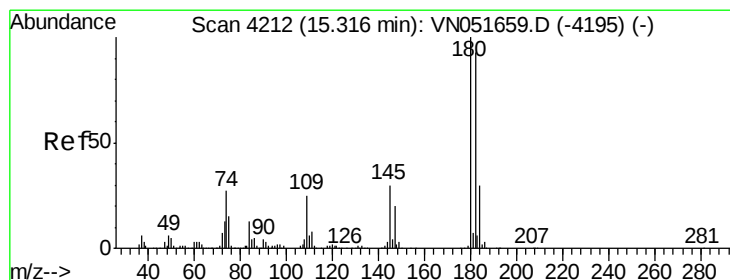
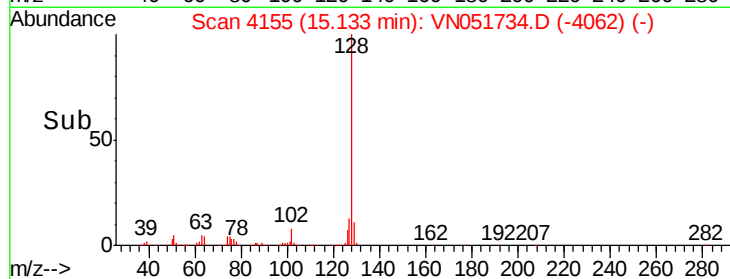
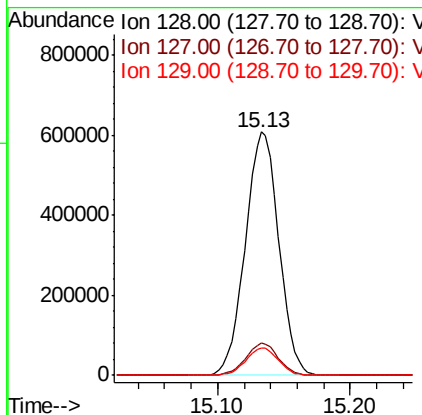
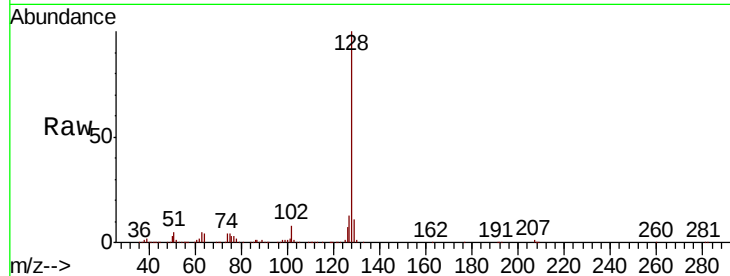
#95
Naphthalene
Concen: 53.607 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.354 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051734.D
Acq: 8 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	30.9	15.6	46.8

