

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051733.D
 Acq On : 8 Oct 2018 14:10
 Operator : MD\SY
 Sample : J5165-07MS 10X
 Misc : 6.10µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 28

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

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:37 AM

Quant Time: Oct 09 05:09:42 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	635959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	984304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	636710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	413148	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	370184	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.09	98	1452064	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	564314	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	408817	51.369	ug/l	97
3) Chloromethane	2.06	50	339114	46.725	ug/l	99
4) Vinyl Chloride	2.18	62	531349	46.476	ug/l	100
5) Bromomethane	2.54	94	386187	43.925	ug/l	98
6) Chloroethane	2.69	64	362910	47.231	ug/l	99
7) Trichlorofluoromethane	3.00	101	686473	57.888	ug/l	98
8) Diethyl Ether	3.41	74	166314	49.921	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	311362	49.000	ug/l	99
10) Methyl Iodide	3.95	142	396234	47.295	ug/l	100
11) Tert butyl alcohol	4.79	59	143559	251.432	ug/l	98
12) 1,1-Dichloroethene	3.73	96	286617	48.395	ug/l	97
13) Acrolein	3.61	56	77764	218.004	ug/l	98
14) Allyl chloride	4.32	41	402711	44.582	ug/l	98
15) Acrylonitrile	4.99	53	490612	249.006	ug/l	99
16) Acetone	3.82	43	347300	246.804	ug/l	100
17) Carbon Disulfide	4.05	76	795242	44.175	ug/l	99
18) Methyl Acetate	4.33	43	248386	53.564	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	942619	48.219	ug/l	99
20) Methylene Chloride	4.55	84	323371	46.783	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	327090	46.606	ug/l	92
22) Diisopropyl ether	5.96	45	901752	46.571	ug/l	98
23) Vinyl Acetate	5.90	43	3344303	234.896	ug/l	97
24) 1,1-Dichloroethane	5.85	63	575937	46.248	ug/l	99
25) 2-Butanone	6.84	43	577747	238.149	ug/l	97
26) 2,2-Dichloropropane	6.82	77	531913	42.623	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	387170	47.522	ug/l	95
28) Bromochloromethane	7.20	49	252586	45.815	ug/l	93
29) Tetrahydrofuran	7.22	42	378827	254.460	ug/l	97
30) Chloroform	7.37	83	668665	47.790	ug/l	99
31) Cyclohexane	7.65	56	509794	44.700	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	660145	48.676	ug/l	98
36) 1,1-Dichloropropene	7.80	75	482013	46.850	ug/l	98
37) Ethyl Acetate	6.93	43	266417	49.650	ug/l	100
38) Carbon Tetrachloride	7.78	117	595170	48.210	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	626716	48.527	ug/l	97
40) Benzene	8.04	78	1507390	49.423	ug/l	98
41) Methacrylonitrile	7.18	41	118459	42.803	ug/l	86
42) 1,2-Dichloroethane	8.13	62	503247	48.960	ug/l	100
43) Isopropyl Acetate	8.17	43	557551	49.837	ug/l	98
44) Trichloroethene	8.84	130	432774	49.973	ug/l	99
45) 1,2-Dichloropropane	9.12	63	357761	47.443	ug/l	99
46) Dibromomethane	9.21	93	261656	49.921	ug/l	98
47) Bromodichloromethane	9.41	83	556515	48.232	ug/l	99
48) Methyl methacrylate	9.20	41	258321	50.532	ug/l	99
49) 1,4-Dioxane	9.20	88	85740	1118.532	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1462087	257.908	ug/l	99
52) Toluene	10.16	92	1040925	51.314	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	577999	48.547	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	591384	46.776	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	376356	52.081	ug/l	98
56) Ethyl methacrylate	10.43	69	485768	53.156	ug/l	97
57) 1,3-Dichloropropane	10.71	76	584235	51.082	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	976407	258.163	ug/l	97
59) 2-Hexanone	10.75	43	1005524	261.174	ug/l	99
60) Dibromochloromethane	10.90	129	487356	51.535	ug/l	98
61) 1,2-Dibromoethane	11.01	107	403112	52.768	ug/l	98
64) Tetrachloroethene	10.63	164	428274	49.276	ug/l	98
65) Chlorobenzene	11.44	112	1216818	49.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	482367	49.376	ug/l	99
67) Ethyl Benzene	11.51	91	2071602	49.123	ug/l	100
68) m/p-Xylenes	11.62	106	1694639	100.431	ug/l	97
69) o-Xylene	11.95	106	839238	50.715	ug/l	98
70) Styrene	11.96	104	1340437	50.835	ug/l	98
71) Bromoform	12.13	173	370065	50.928	ug/l #	100
73) Isopropylbenzene	12.25	105	2372911	43.720	ug/l	100
74) N-amyl acetate	12.07	43	832196	75.886	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.51	83	538878	51.309	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	401680m	50.842	ug/l	
77) Bromobenzene	12.53	156	587311	44.255	ug/l	96
78) n-propylbenzene	12.59	91	2802078	47.333	ug/l	99
79) 2-Chlorotoluene	12.68	91	1507027	43.194	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2125223	46.463	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	141943	40.979	ug/l	98
82) 4-Chlorotoluene	12.77	91	1519132	43.343	ug/l	96
83) tert-Butylbenzene	12.99	119	1865109	45.507	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	4422059	96.519	ug/l	98
85) sec-Butylbenzene	13.17	105	2781926	51.313	ug/l	96
86) p-Isopropyltoluene	13.29	119	2621372	54.542	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1122051	48.521	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	1078762	47.394	ug/l	97
89) n-Butylbenzene	13.62	91	2092863	55.074	ug/l	93
90) Hexachloroethane	13.88	117	464563	48.447	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1103444	48.000	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87973	46.141	ug/l	90

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QLast Update : Fri Oct 05 02:22:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	537425	52.537	ug/l	98
94) Hexachlorobutadiene	15.01	225	368467	53.089	ug/l	99
95) Naphthalene	15.13	128	1160122	52.518	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	516283	51.246	ug/l	99

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

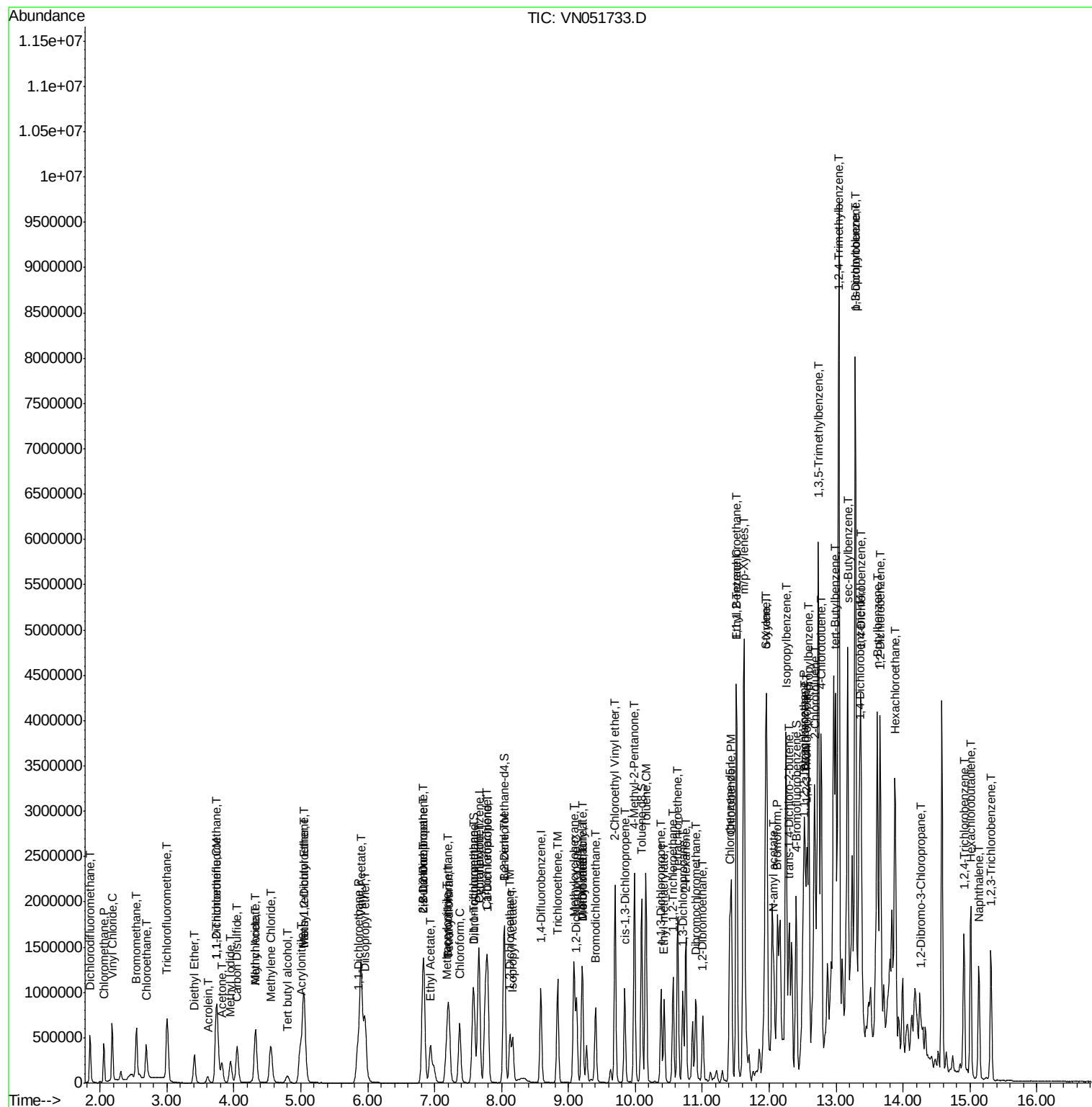
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Data File : VN051733.D
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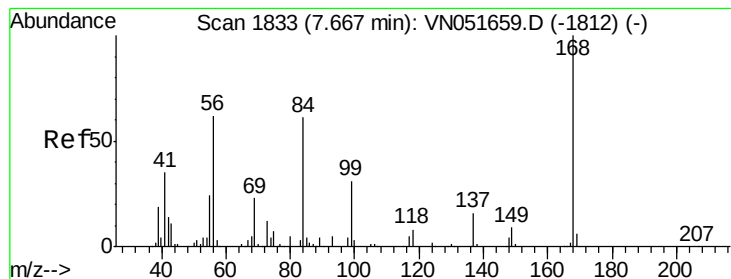
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:168 Resp: 635959

Ion Ratio Lower Upper

168 100

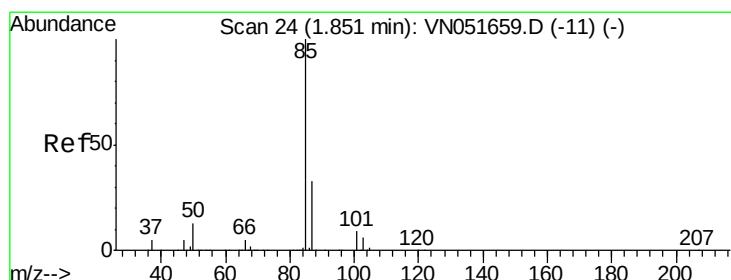
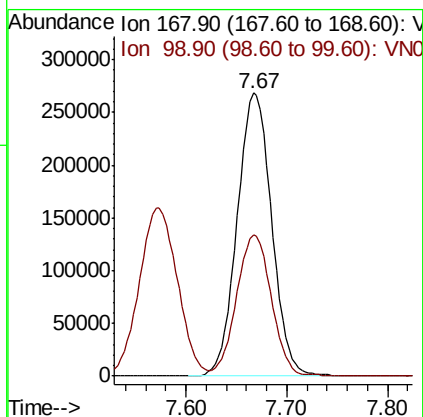
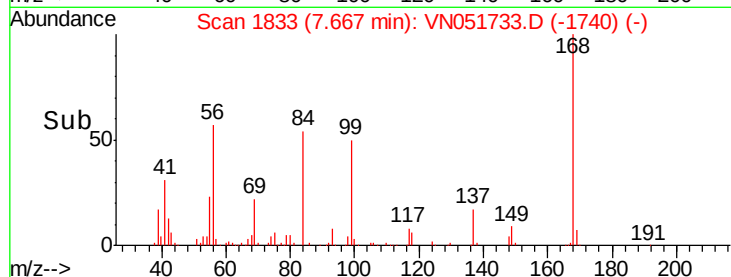
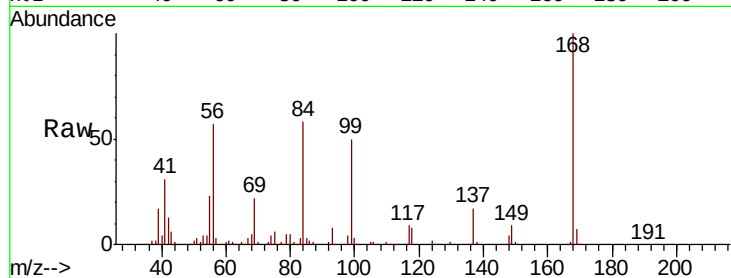
99 49.5 40.4 60.6

Manual Integrations

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10/10/2018 11:48:37 AM



#2

Dichlorodifluoromethane

Concen: 51.369 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051733.D

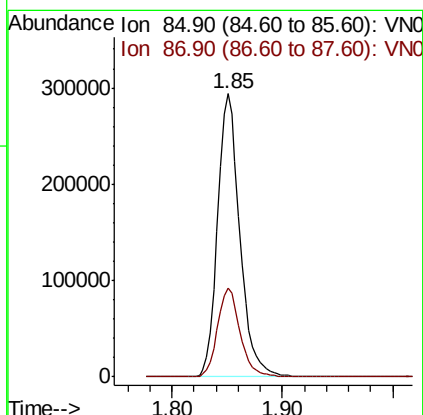
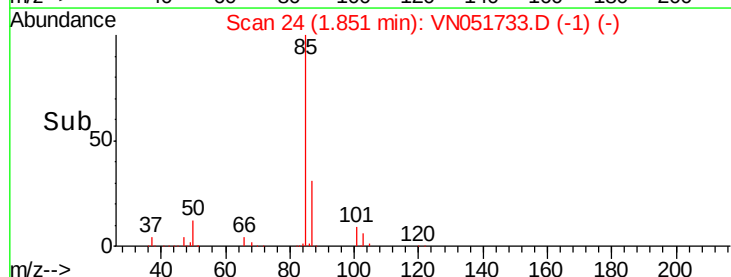
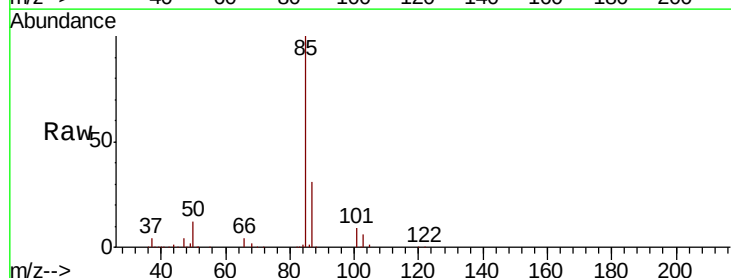
Acq: 8 Oct 2018 14:10

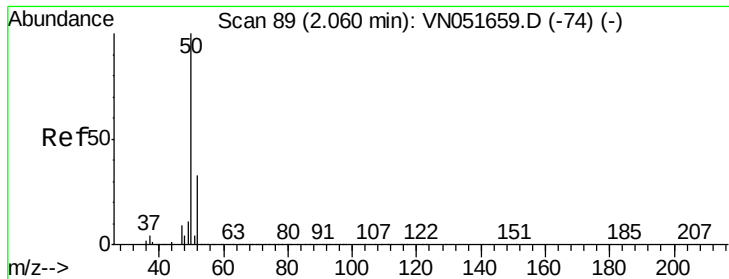
Tgt Ion: 85 Resp: 408817

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.4





#3

Chloromethane

Concen: 46.725 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 50 Resp: 339114

Ion Ratio Lower Upper

50 100

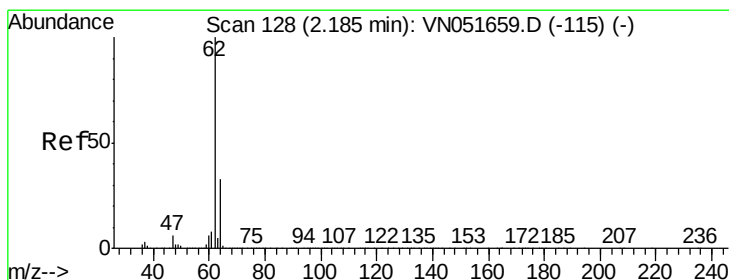
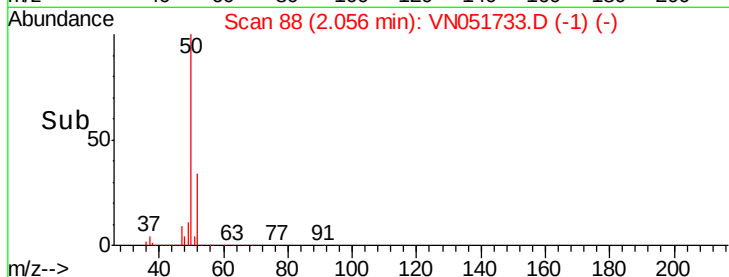
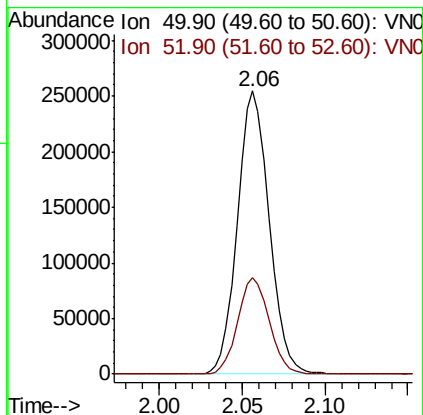
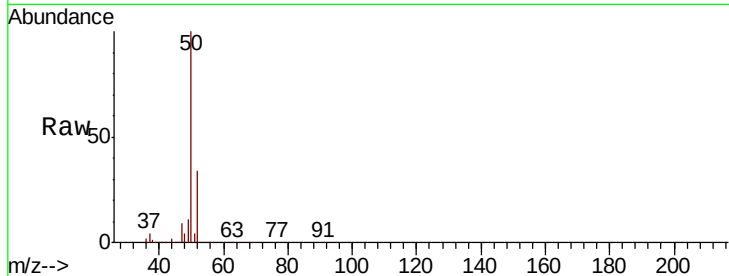
52 34.0 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.476 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051733.D

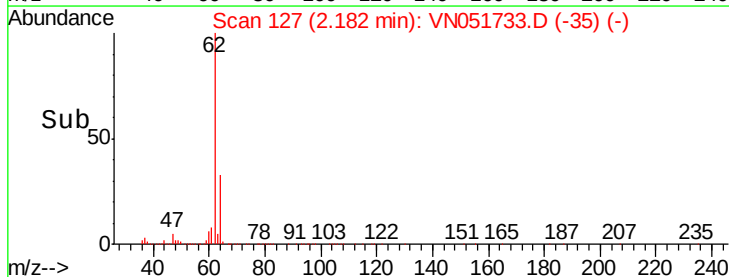
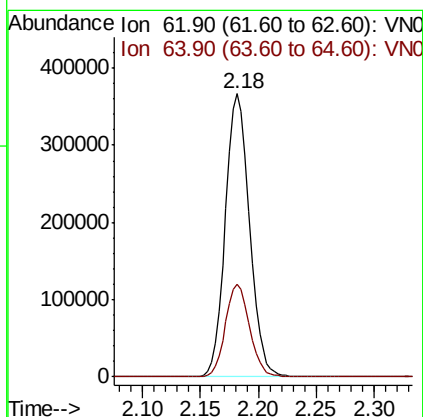
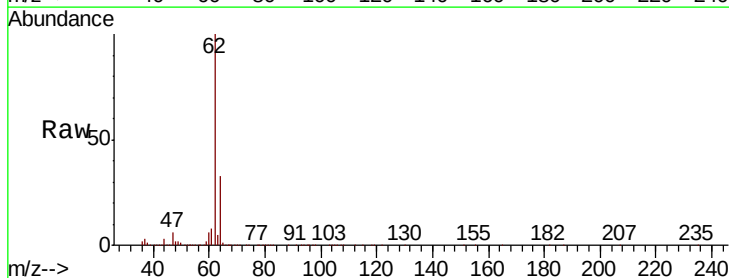
Acq: 8 Oct 2018 14:10

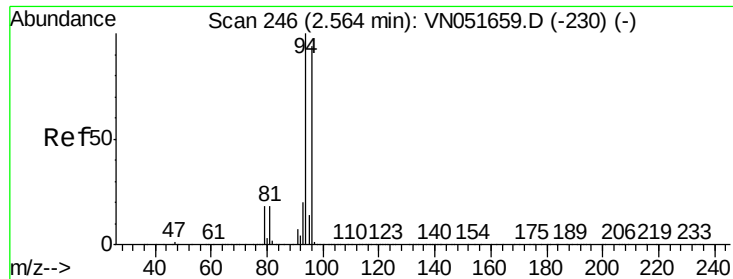
Tgt Ion: 62 Resp: 531349

Ion Ratio Lower Upper

62 100

64 32.9 26.2 39.4





#5

Bromomethane

Concen: 43.925 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.02 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

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Tot Ion: 94 Resp: 386187

Ion Ratio Lower Upper

94 100

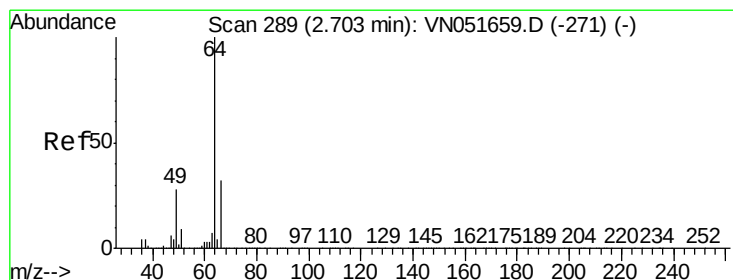
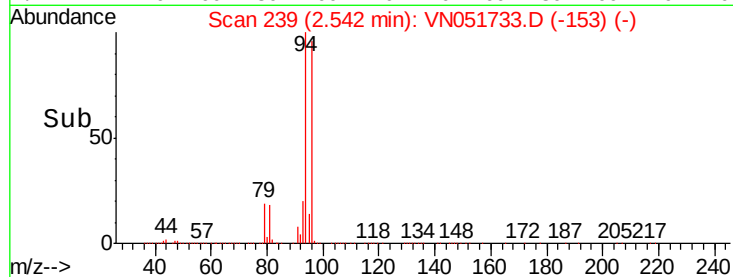
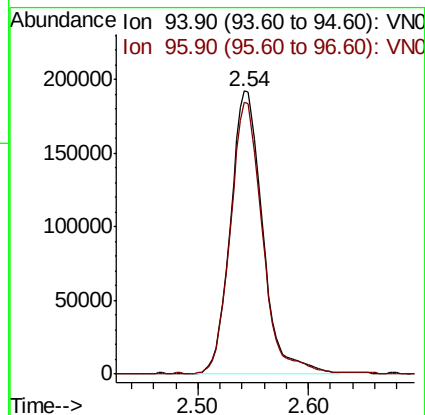
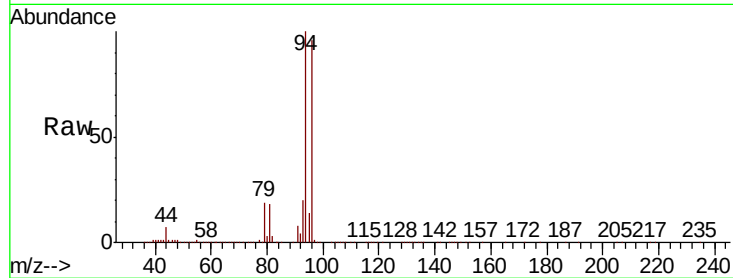
96 95.9 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 47.231 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051733.D

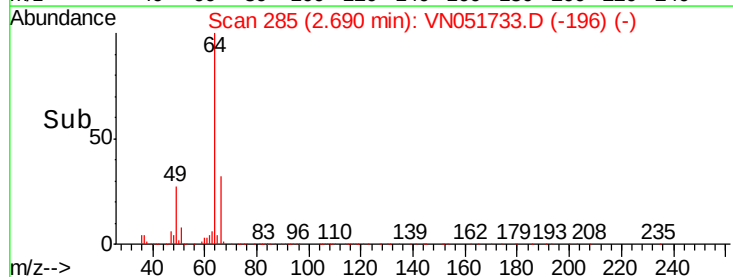
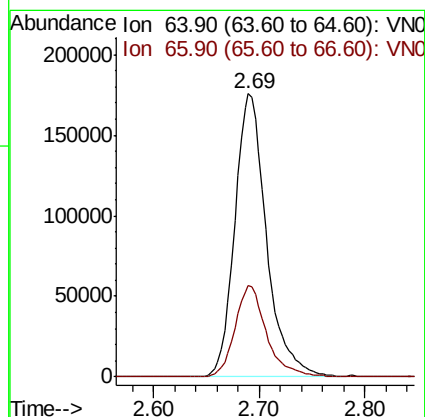
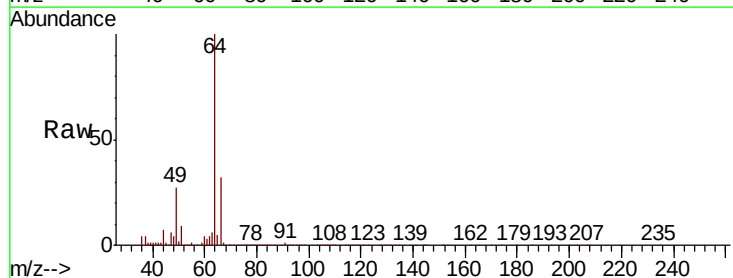
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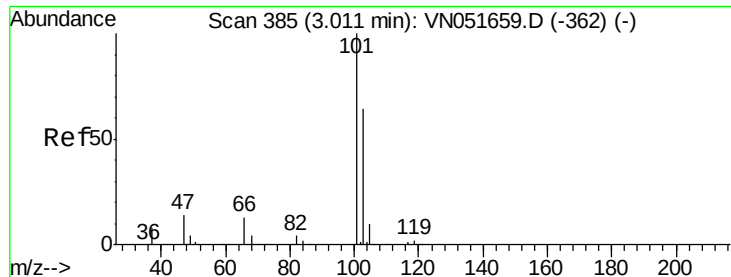
Tgt Ion: 64 Resp: 362910

Ion Ratio Lower Upper

64 100

66 32.0 26.0 39.0





#7

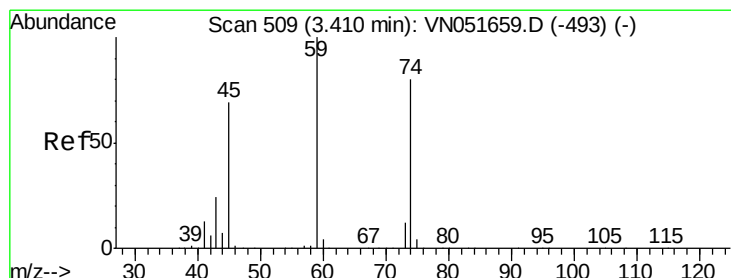
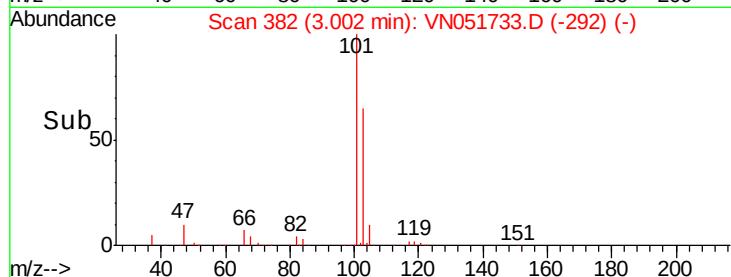
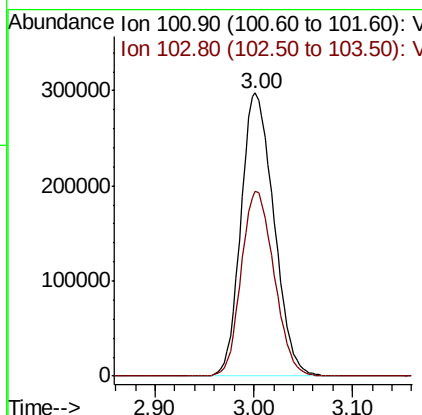
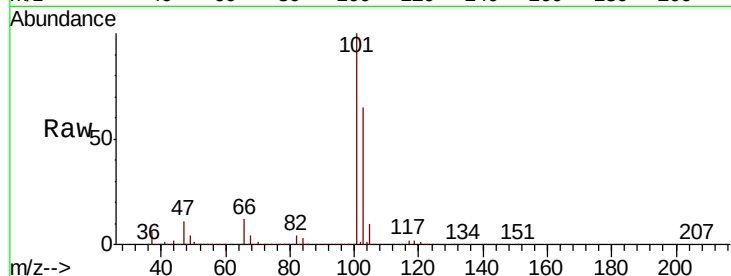
Trichlorofluoromethane
Concen: 57.888 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.1	76.7

Manual Integrations
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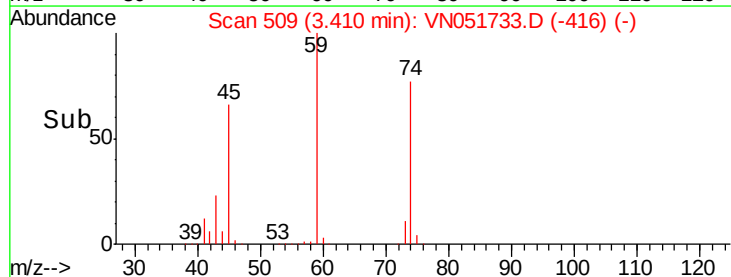
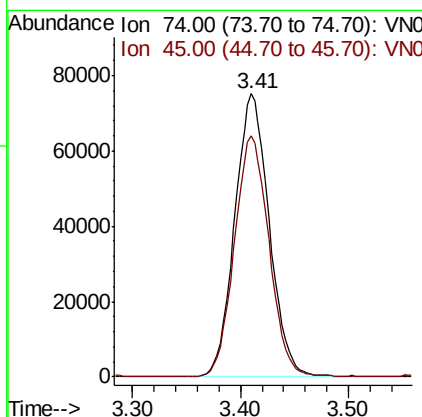
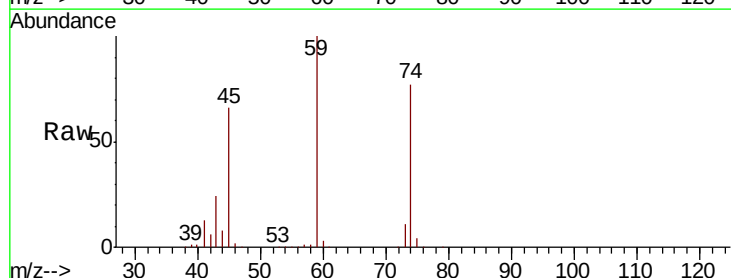
MMDadoda
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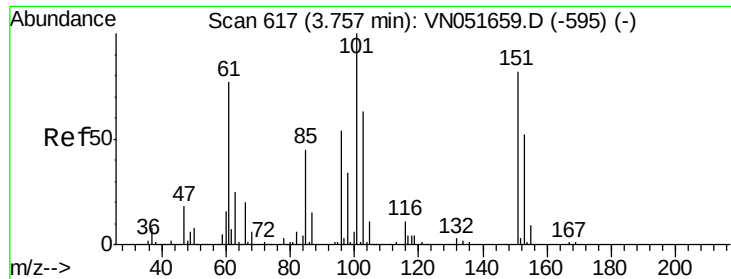


#8

Diethyl Ether
Concen: 49.921 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.8	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.000 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

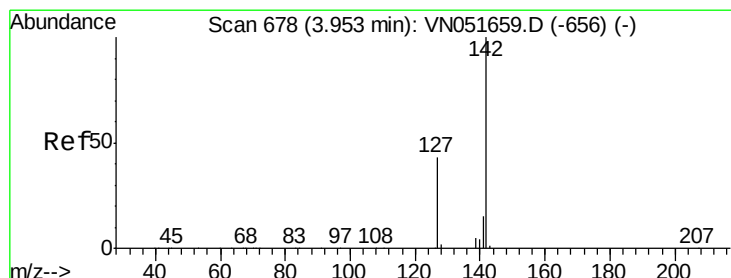
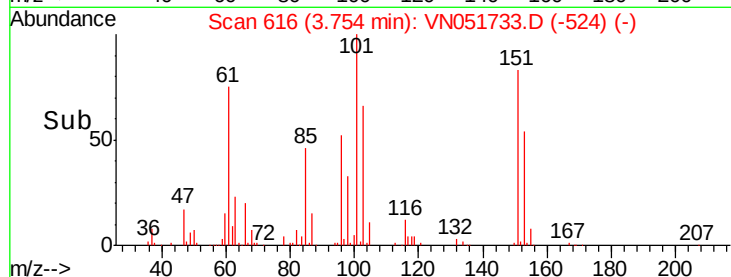
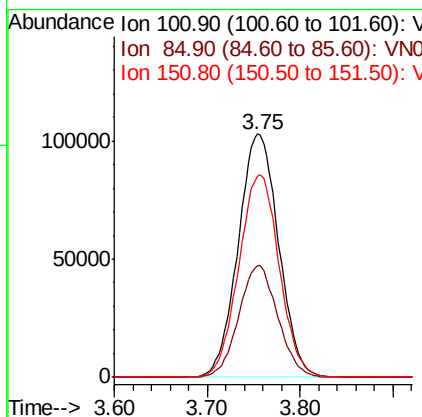
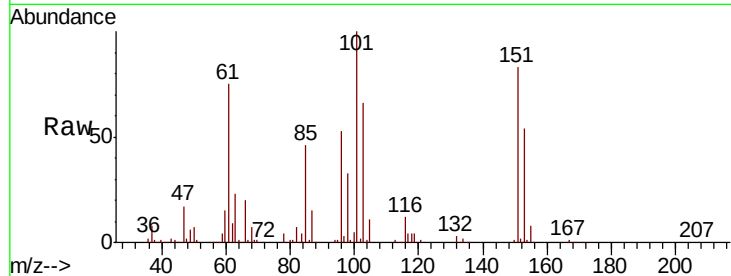
ClientSampleId :

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

Tot Ion:	101	Resp:	311362
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	83.5	65.5	98.3

Manual Integrations
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MMDadoda
10/10/2018 11:48:37 AM



#10

Methyl Iodide

Concen: 47.295 ug/l

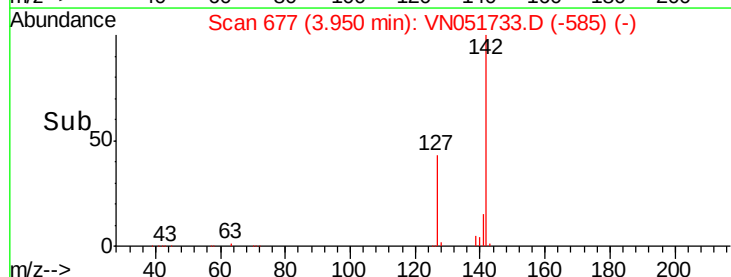
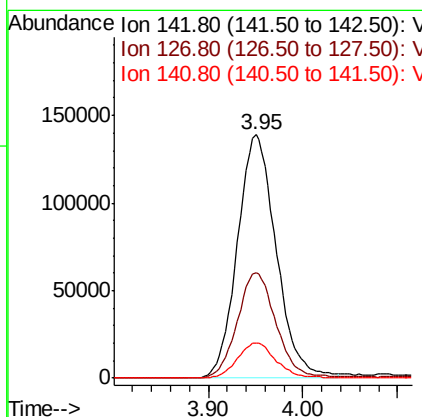
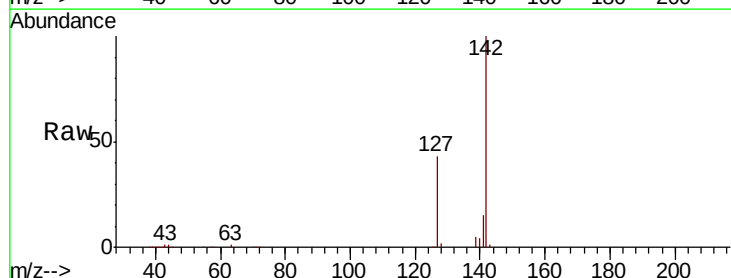
RT: 3.95 min Scan# 677

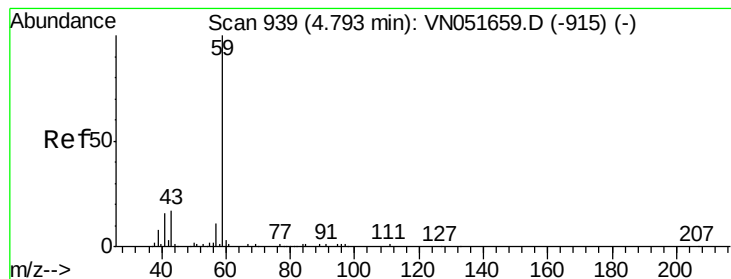
Delta R.T. -0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion:	142	Resp:	396234
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.7	52.1
141	14.4	11.4	17.2





#11

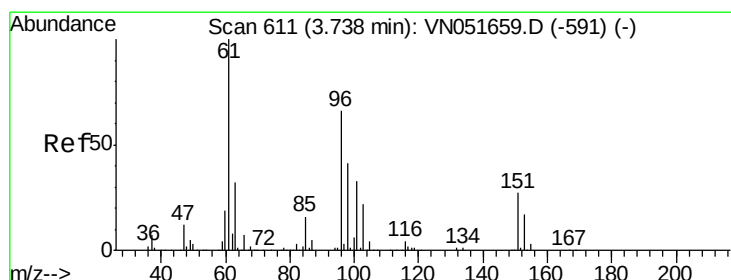
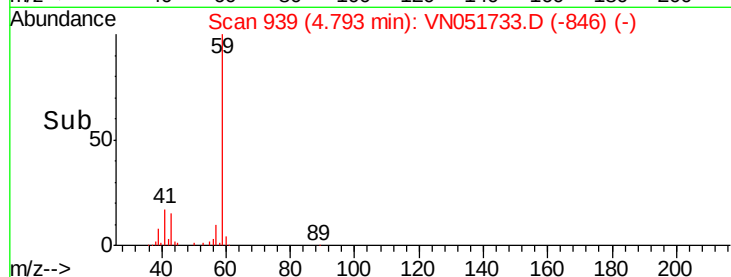
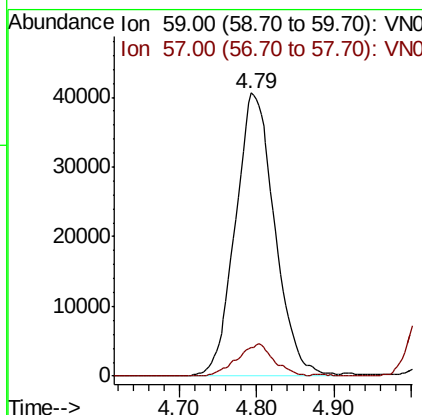
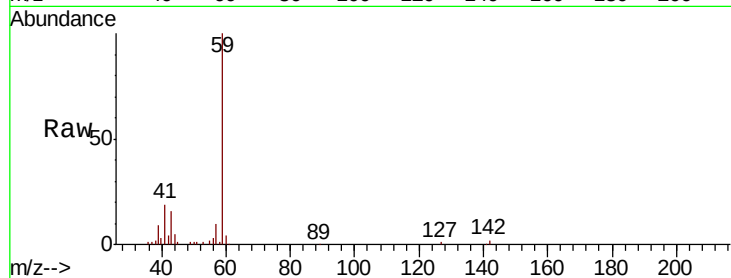
Tert butyl alcohol
 Concen: 251.432 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

Manual Integrations
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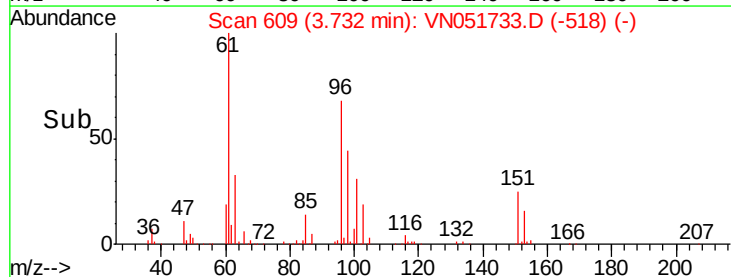
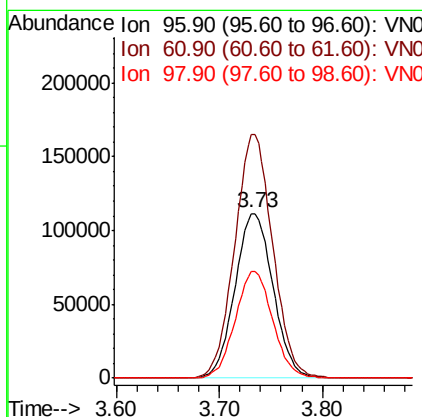
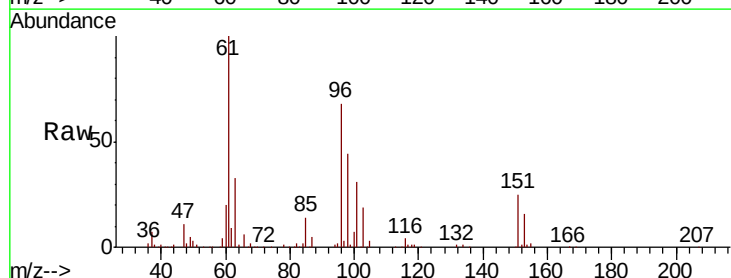
MMDadoda
 10/10/2018 11:48:37 AM

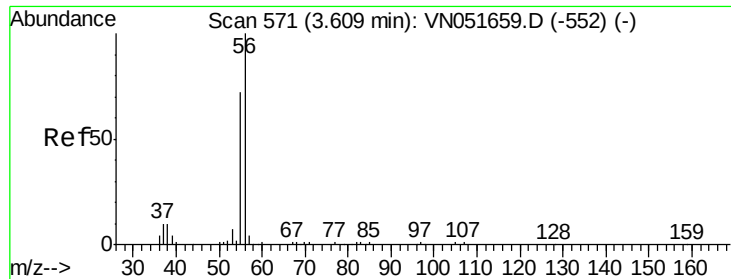


#12

1,1-Dichloroethene
 Concen: 48.395 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	121.4	182.0
98	64.7	49.9	74.9





#13

Acrolein

Concen: 218.004 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 56 Resp: 77764

Ion Ratio Lower Upper

56 100

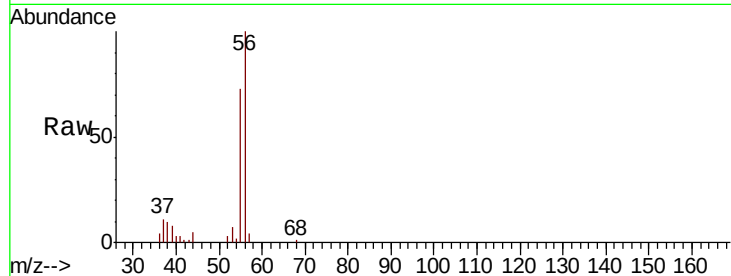
55 73.2 57.5 86.3

Manual Integrations

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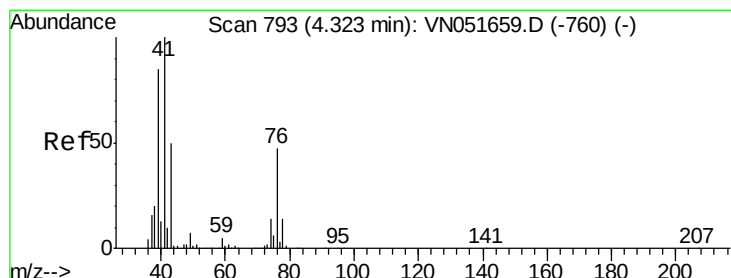
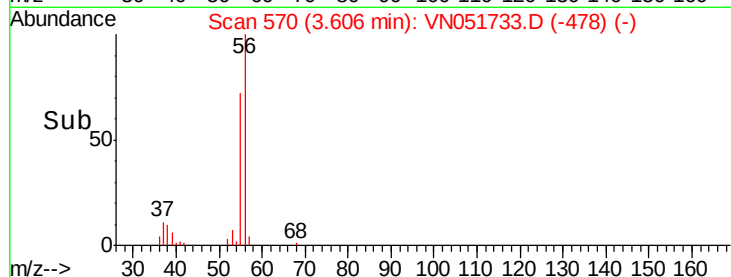
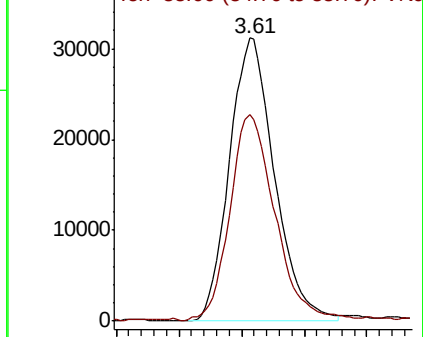
MMDadoda

10/10/2018 11:48:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.582 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

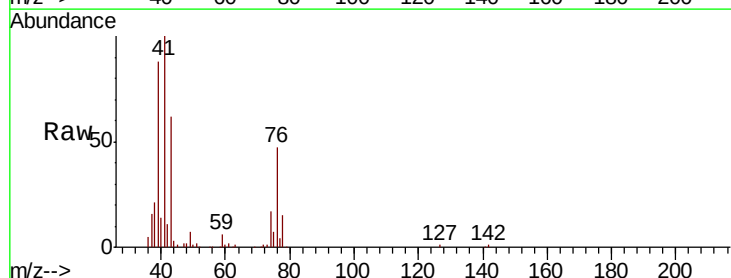
Tgt Ion: 41 Resp: 402711

Ion Ratio Lower Upper

41 100

39 83.9 65.4 98.0

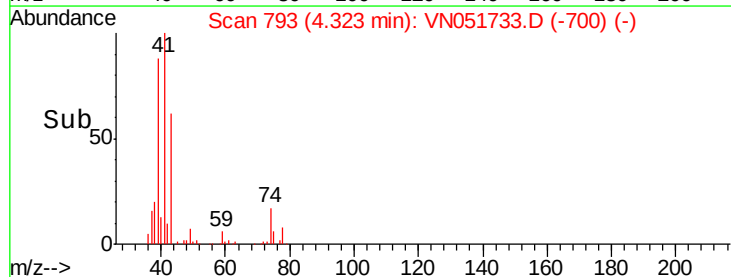
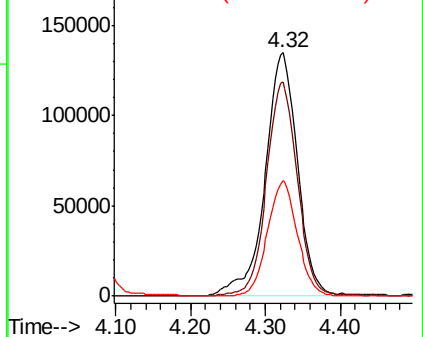
76 44.2 34.3 51.5

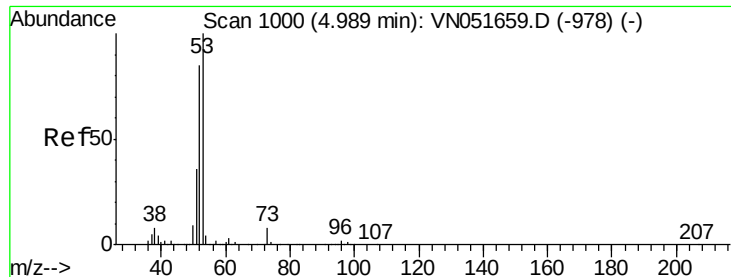


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 249.006 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

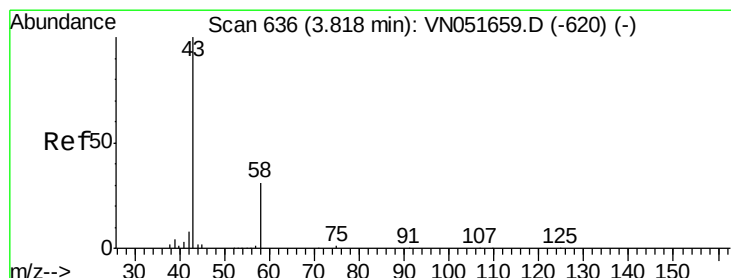
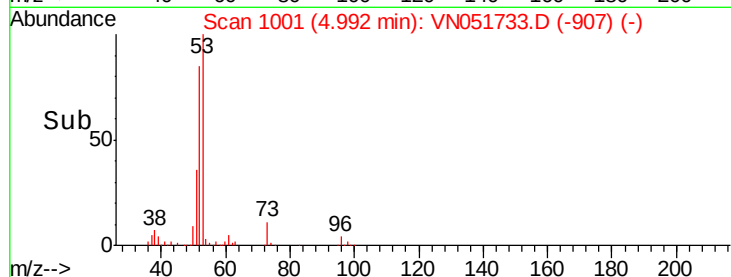
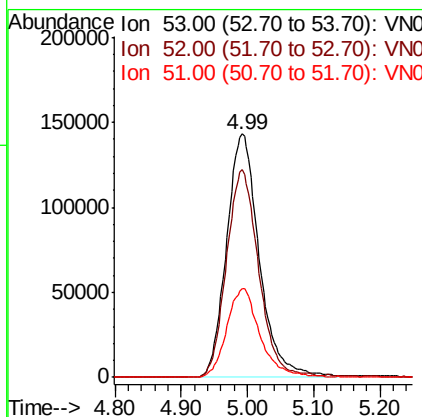
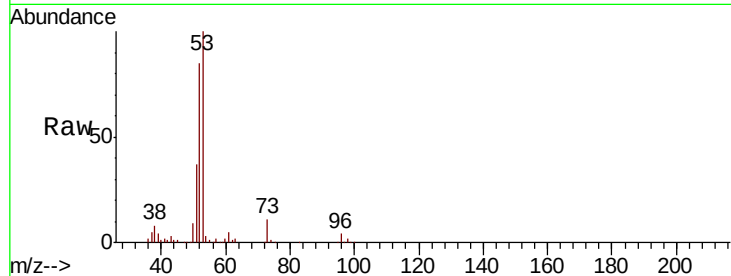
ClientSampleId :

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

Tot Ion:	53	Resp:	490612
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.2	99.2
51	37.3	30.3	45.5

Manual Integrations
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MMDadoda
10/10/2018 11:48:37 AM



#16

Acetone

Concen: 246.804 ug/l

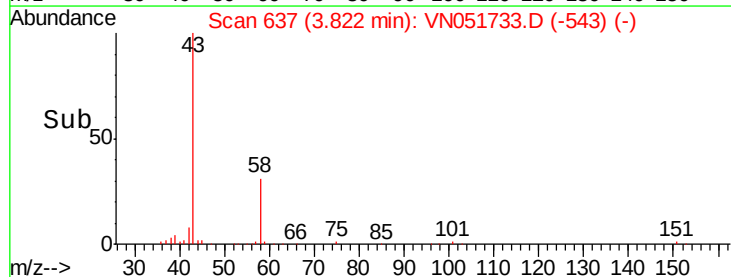
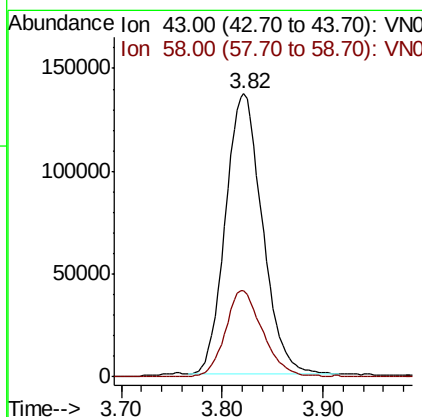
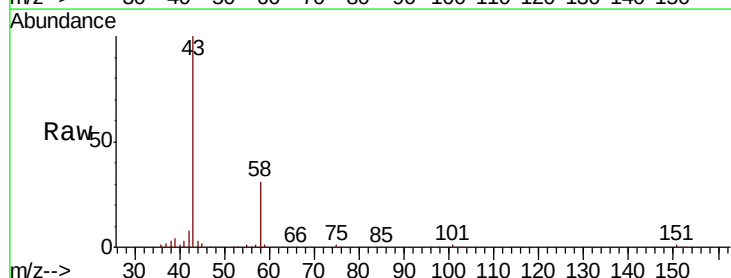
RT: 3.82 min Scan# 637

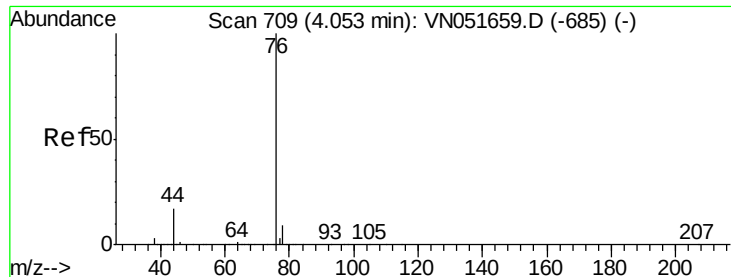
Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion:	43	Resp:	347300
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.3	36.5





#17

Carbon Disulfide

Concen: 44.175 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 76 Resp: 795242

Ion Ratio Lower Upper

76 100

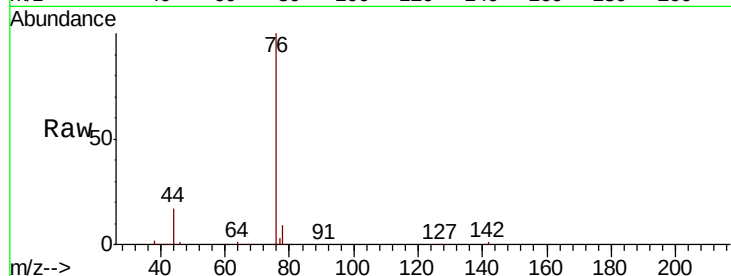
78 8.8 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

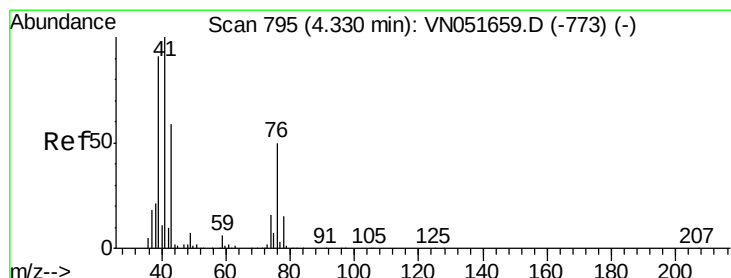
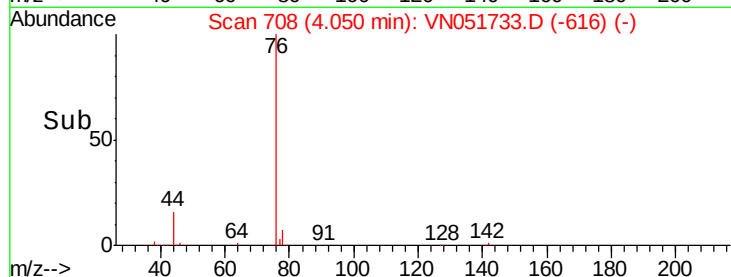
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 53.564 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051733.D

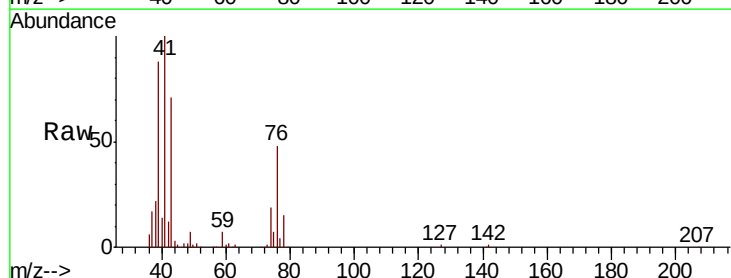
Acq: 8 Oct 2018 14:10

Tgt Ion: 43 Resp: 248386

Ion Ratio Lower Upper

43 100

74 27.9 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

100000

80000

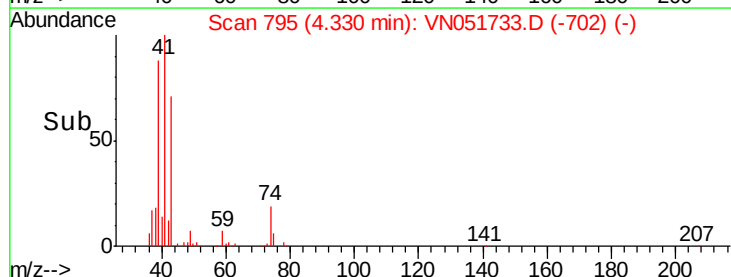
60000

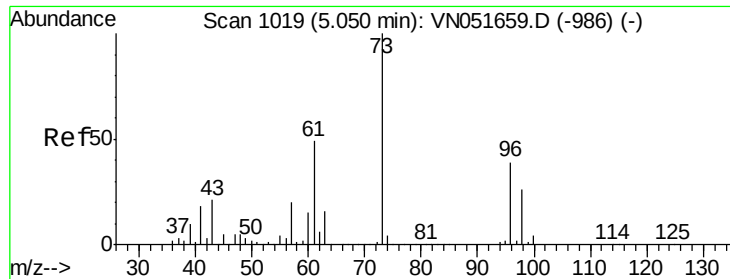
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





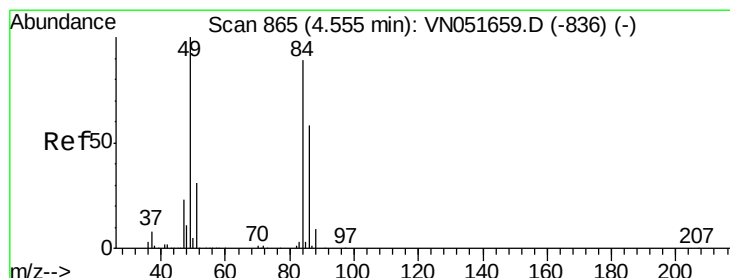
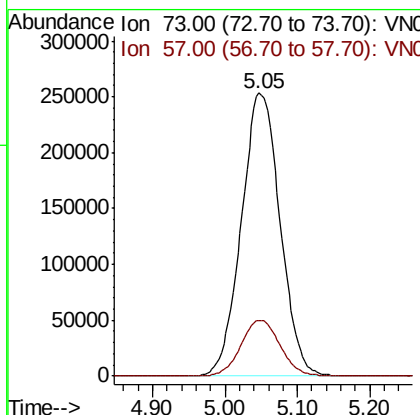
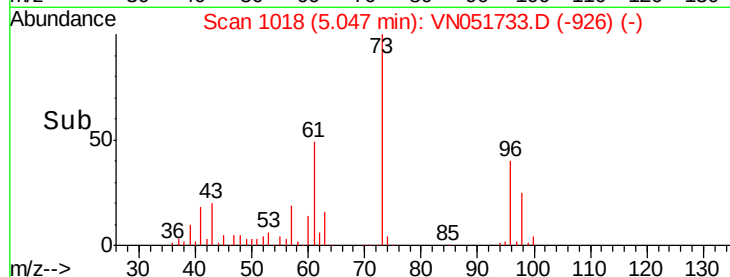
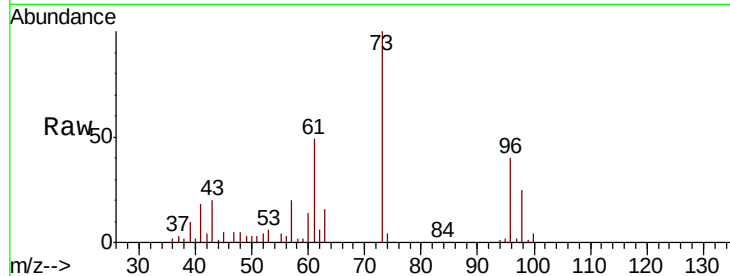
#19
Methyl tert-butyl Ether
Concen: 48.219 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	15.6	23.4

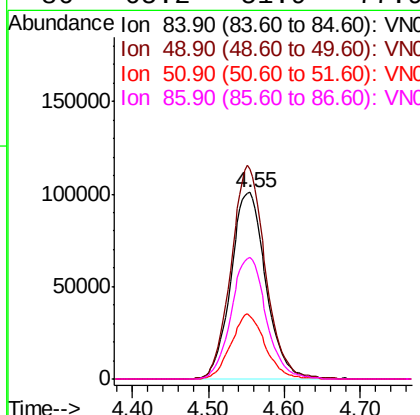
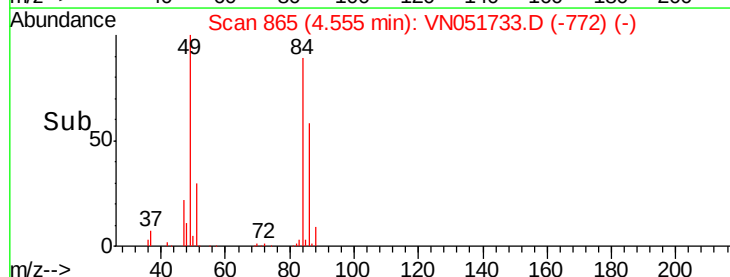
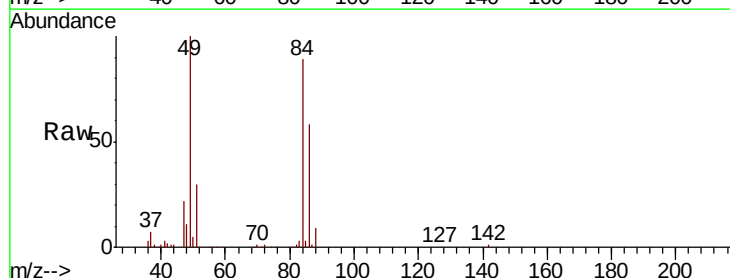
Manual Integrations
APPROVED

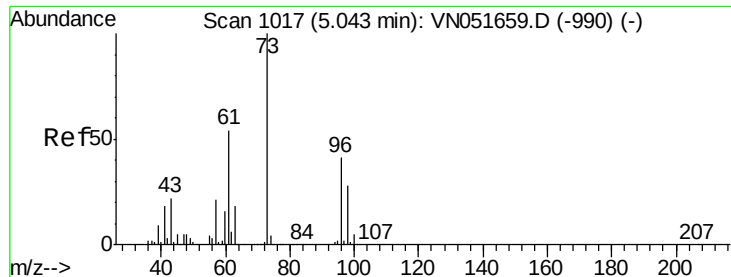
MMDadoda
10/10/2018 11:48:37 AM



#20
Methylene Chloride
Concen: 46.783 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.9	89.5	134.3
51	33.9	27.4	41.0
86	65.2	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 46.606 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

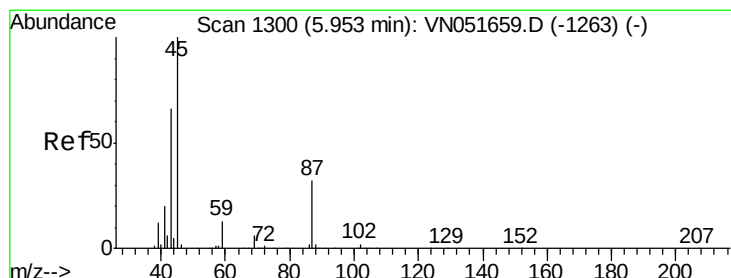
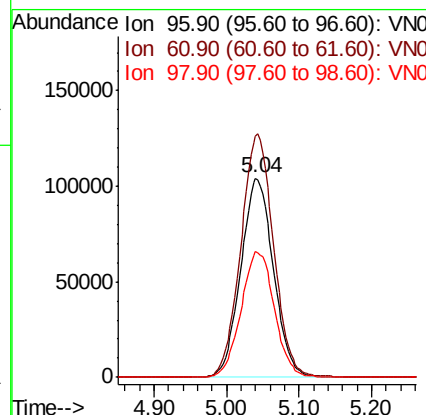
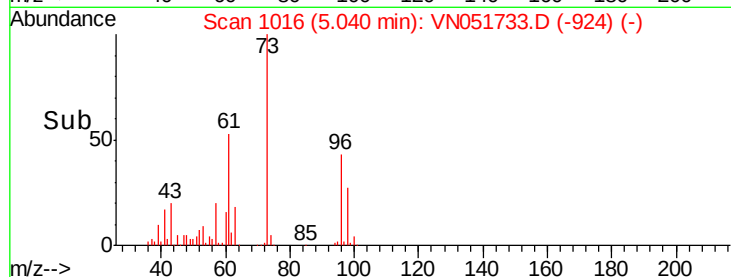
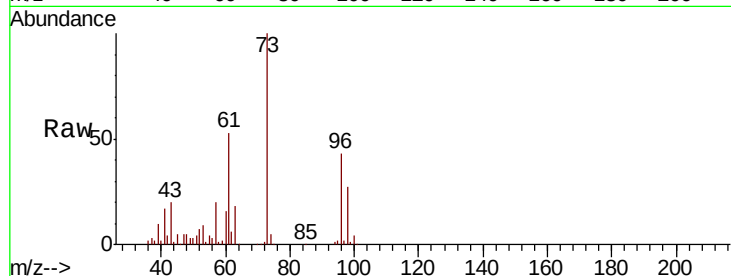
ClientSampleId :

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.2	104.7	157.1
98	62.9	54.6	82.0

Manual Integrations
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10/10/2018 11:48:37 AM



#22

Diisopropyl ether

Concen: 46.571 ug/l

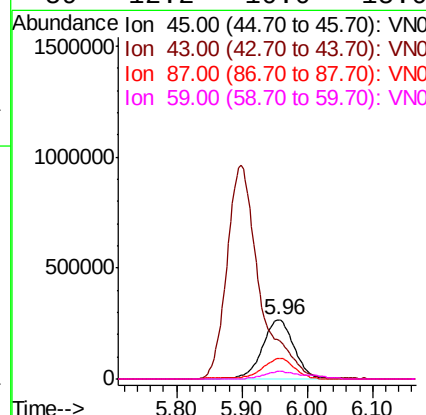
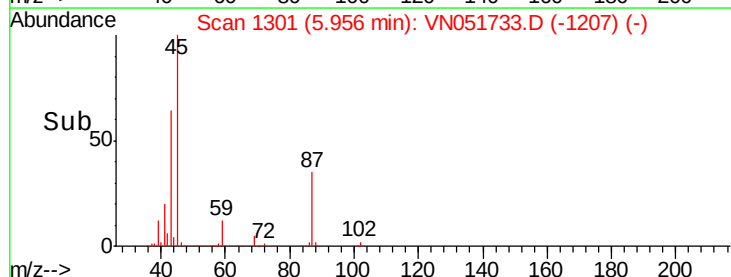
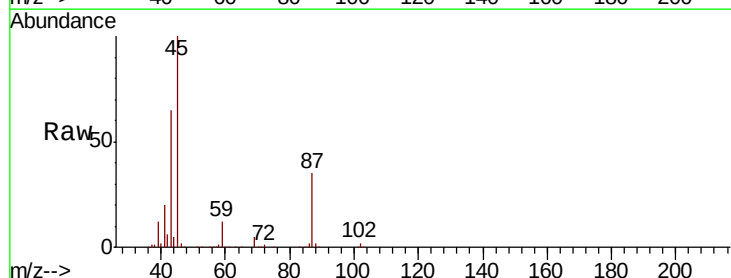
RT: 5.96 min Scan# 1301

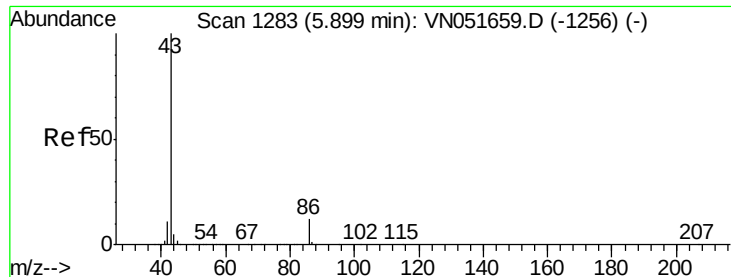
Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	53.0	79.4
87	34.6	26.4	39.6
59	12.2	10.0	15.0





#23

Vinyl Acetate

Concen: 234.896 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 43 Resp: 3344303

Ion Ratio Lower Upper

43 100

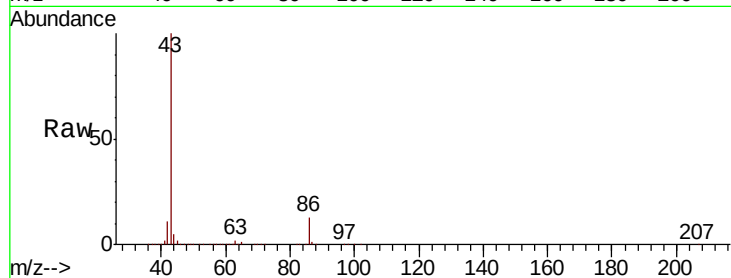
86 12.8 9.3 13.9

Manual Integrations

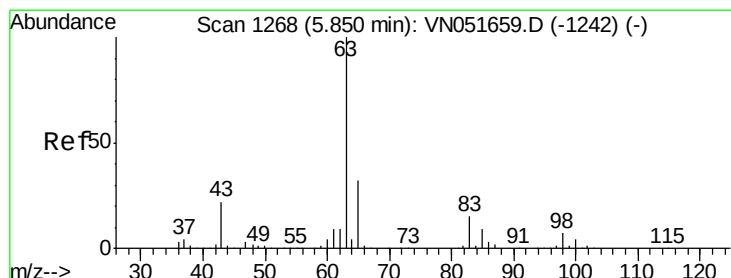
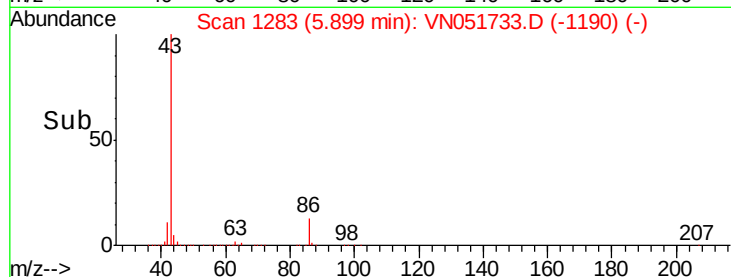
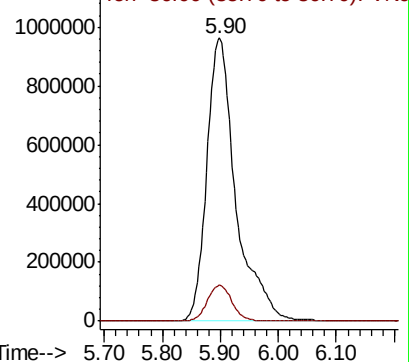
APPROVED

MMDadoda

10/10/2018 11:48:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051733.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 46.248 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

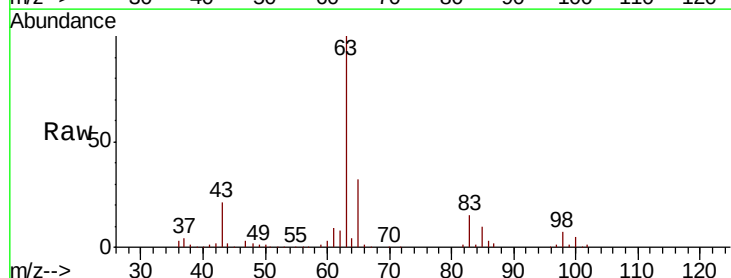
Tgt Ion: 63 Resp: 575937

Ion Ratio Lower Upper

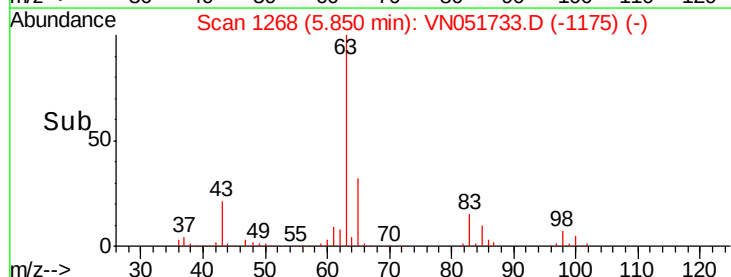
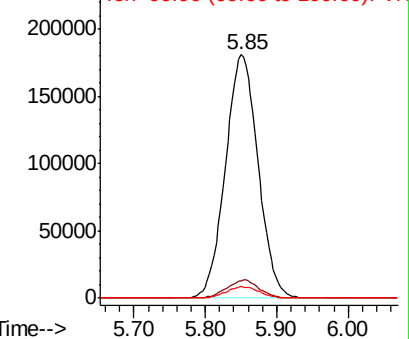
63 100

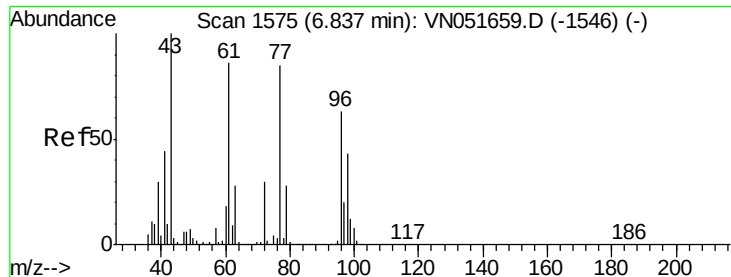
98 7.2 3.3 9.9

100 4.7 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051733.D (-1175) (-)





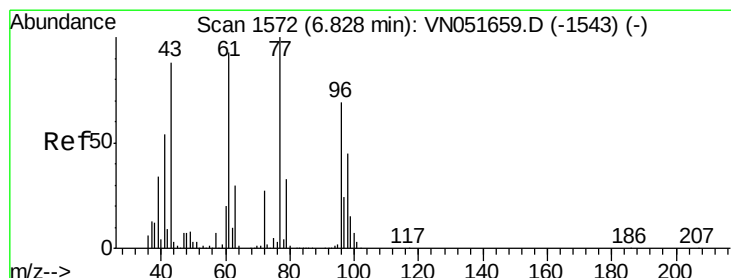
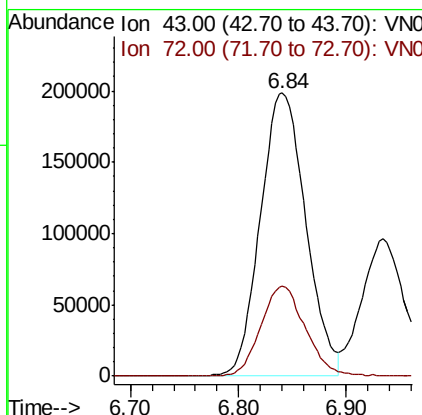
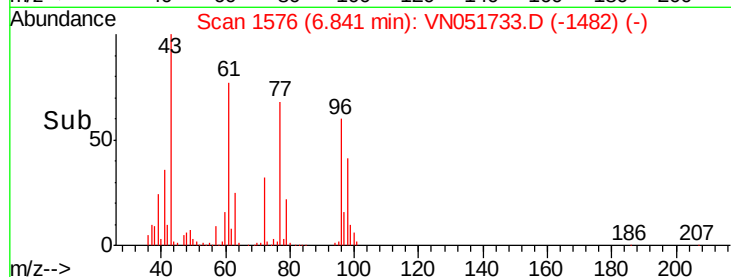
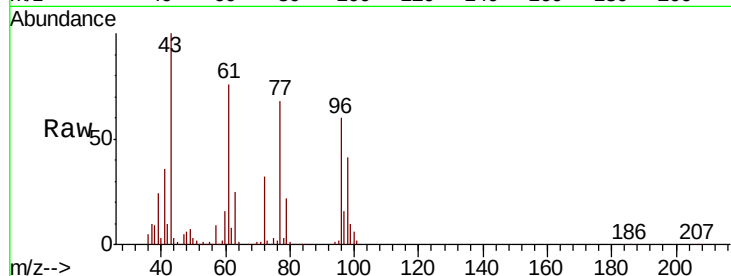
#25
2-Butanone
Concen: 238.149 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion: 43 Resp: 577747
Ion Ratio Lower Upper
43 100
72 31.7 24.2 36.2

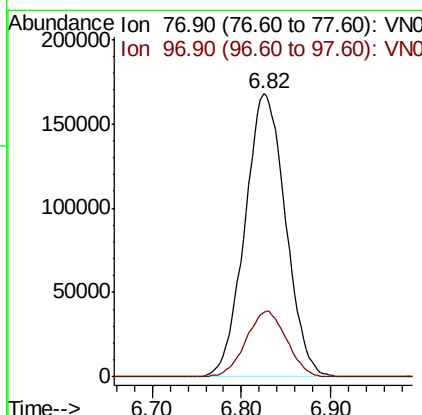
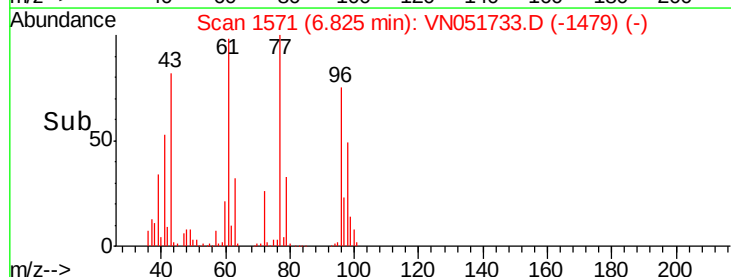
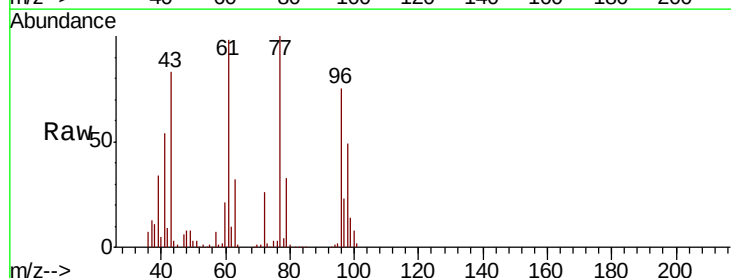
Manual Integrations
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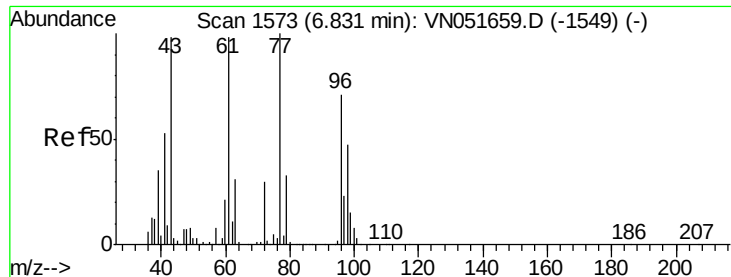
MMDadoda
10/10/2018 11:48:37 AM



#26
2,2-Dichloropropane
Concen: 42.623 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion: 77 Resp: 531913
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.522 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

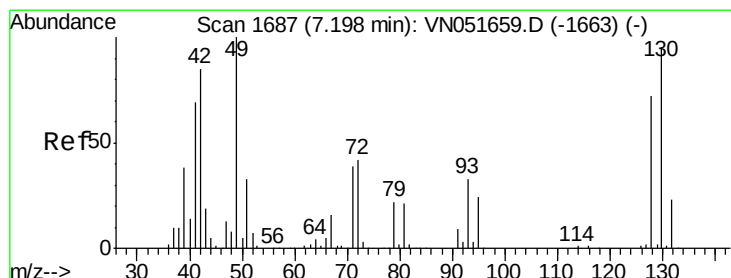
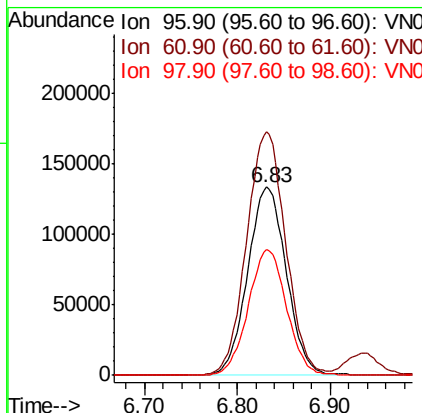
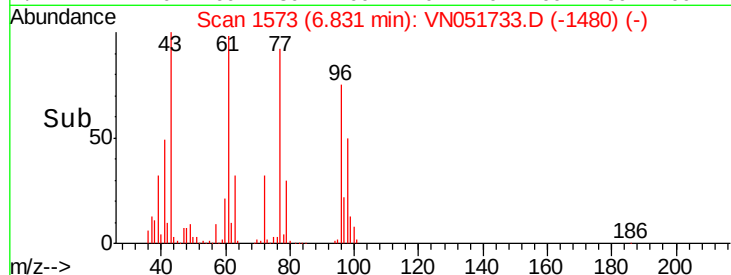
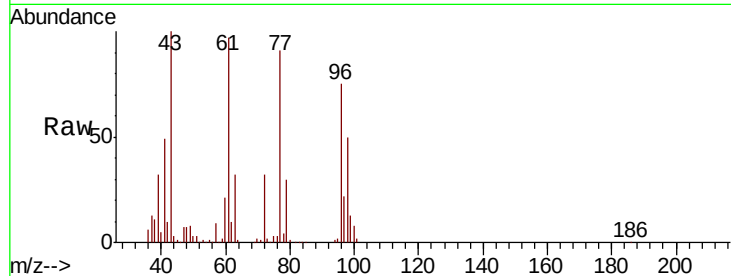
ClientSampleId :

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

Tot Ion:	96	Resp:	387170
Ion Ratio	Lower	Upper	
96	100		
61	130.9	0.0	275.4
98	66.5	0.0	129.6

Manual Integrations
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10/10/2018 11:48:37 AM



#28

Bromochloromethane

Concen: 45.815 ug/l

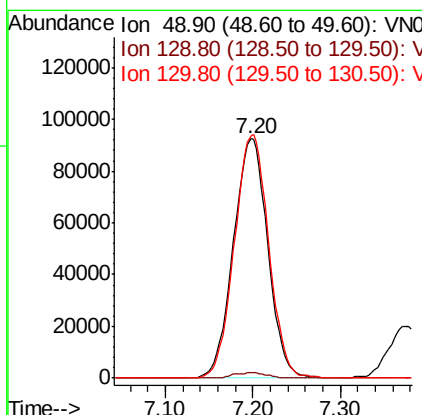
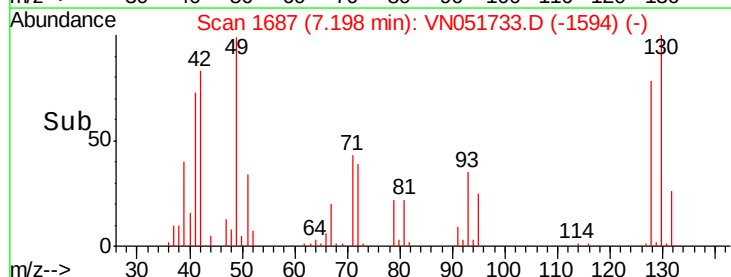
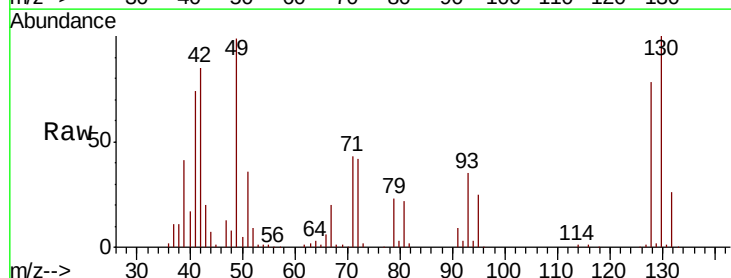
RT: 7.20 min Scan# 1687

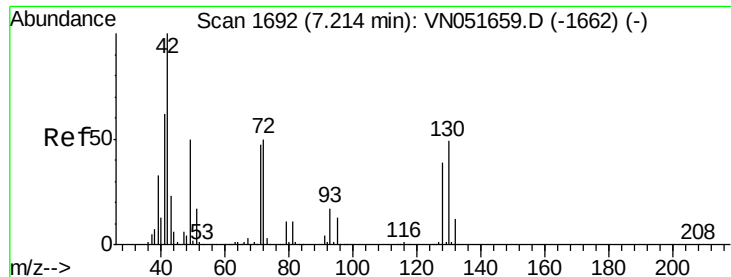
Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion:	49	Resp:	252586
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.8
130	101.2	75.7	113.5





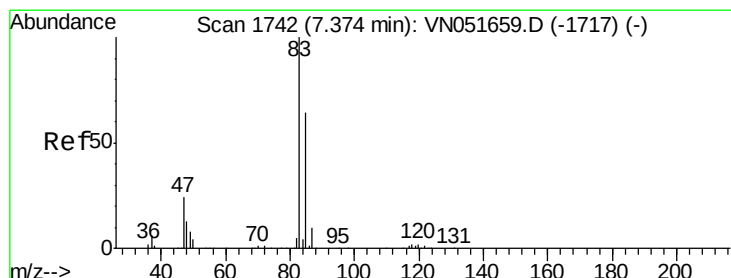
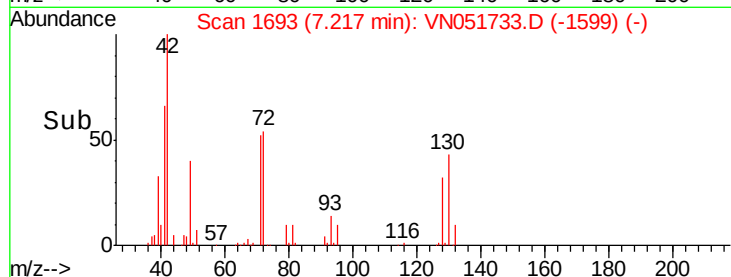
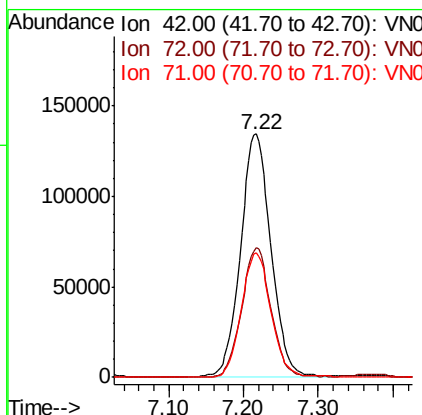
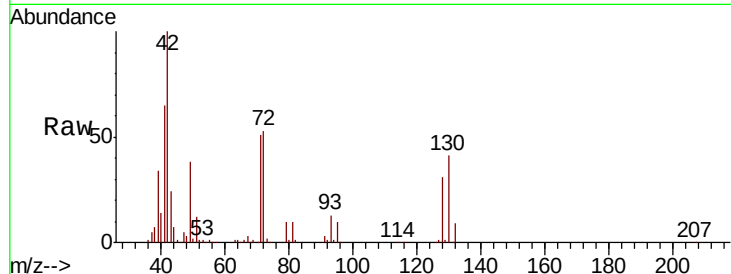
#29
Tetrahydrofuran
Concen: 254.460 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	40.1	60.1
71	49.9	38.0	57.0

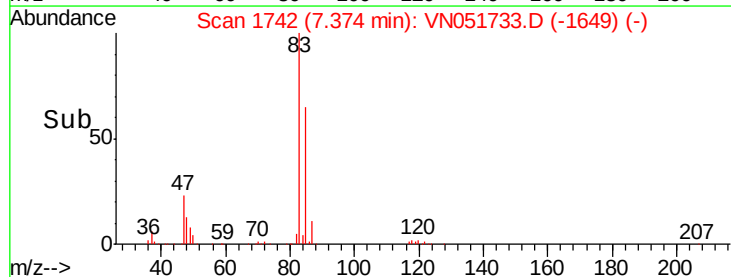
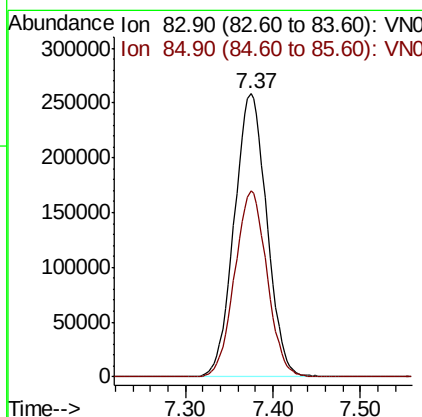
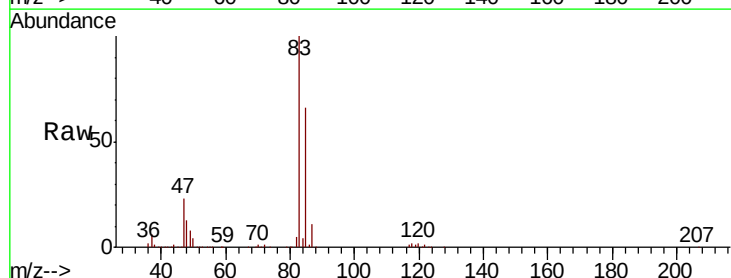
Manual Integrations
APPROVED

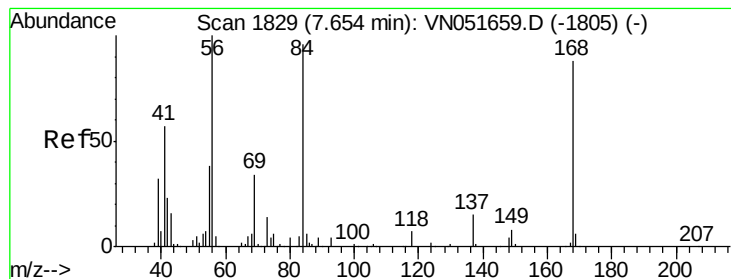
MMDadoda
10/10/2018 11:48:37 AM



#30
Chloroform
Concen: 47.790 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.6	77.4





#31

Cyclohexane

Concen: 44.700 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 56 Resp: 509794

Ion Ratio Lower Upper

56 100

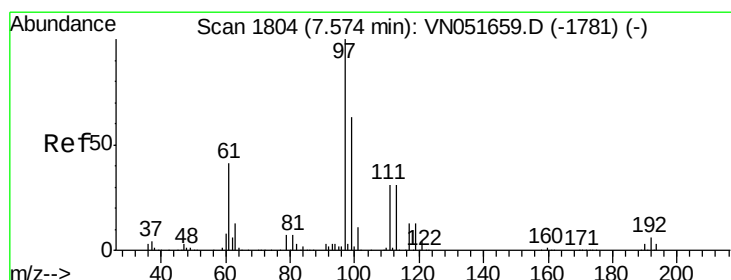
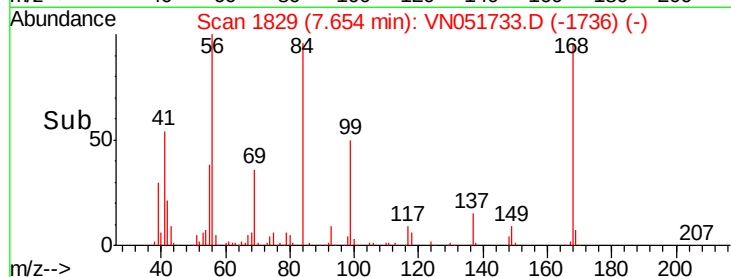
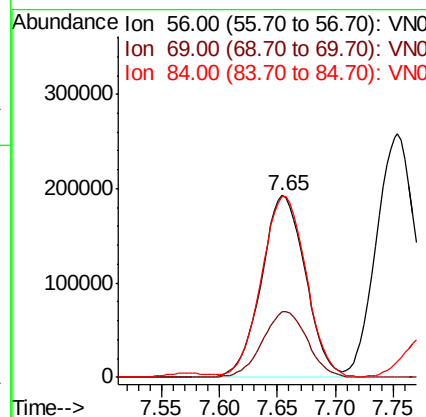
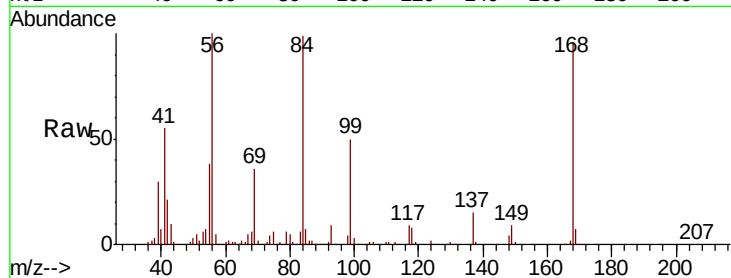
69 36.0 27.5 41.3

84 97.0 76.7 115.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.676 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

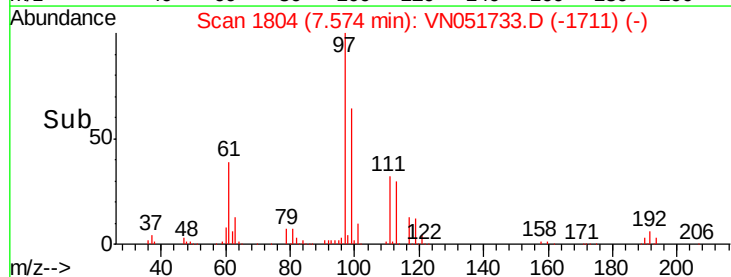
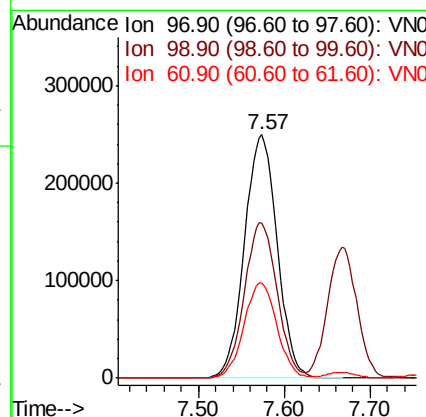
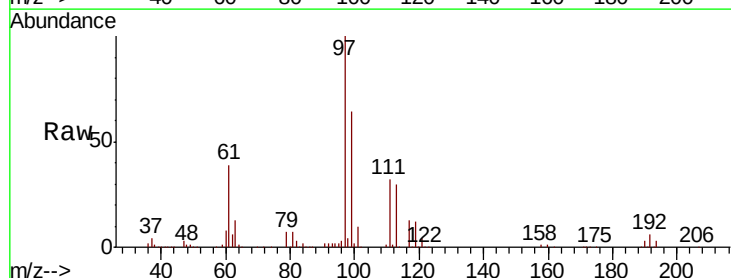
Tgt Ion: 97 Resp: 660145

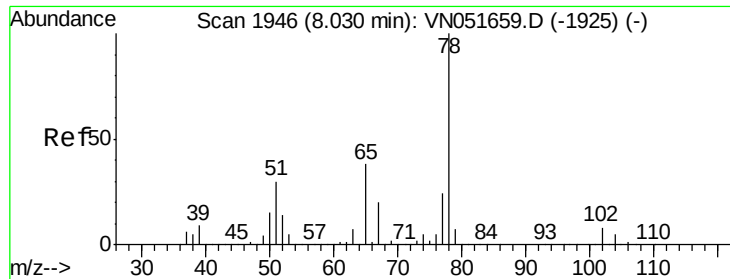
Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

61 39.3 33.4 50.0





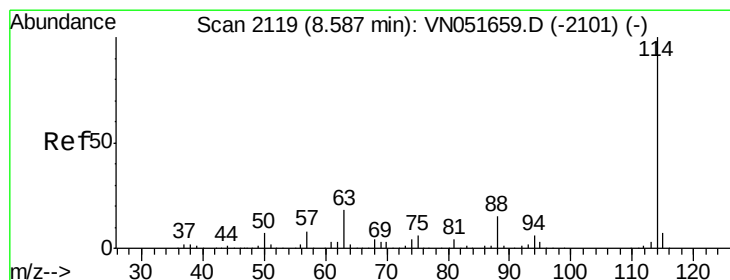
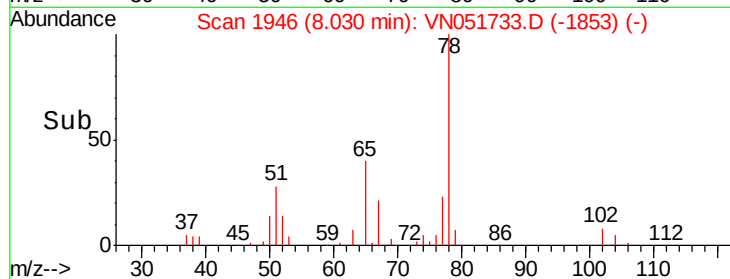
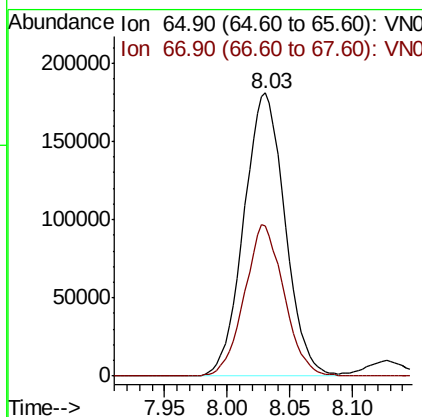
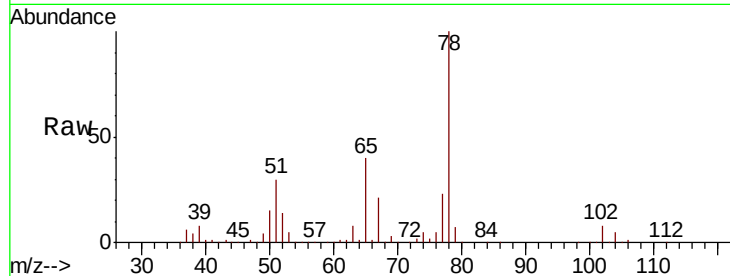
#33
 1,2-Dichloroethane-d4
 Concen: 48.676 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion: 65 Resp: 413148
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6

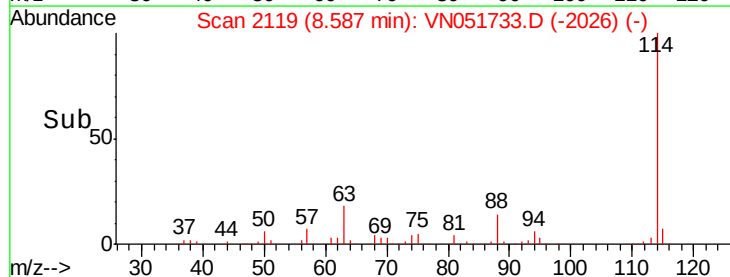
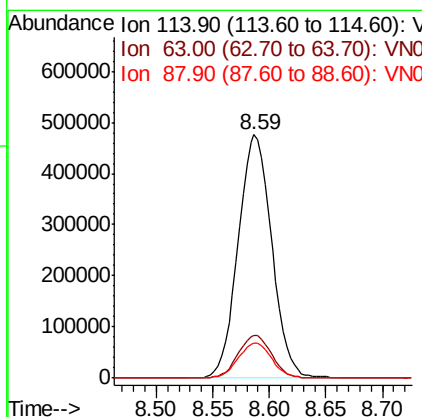
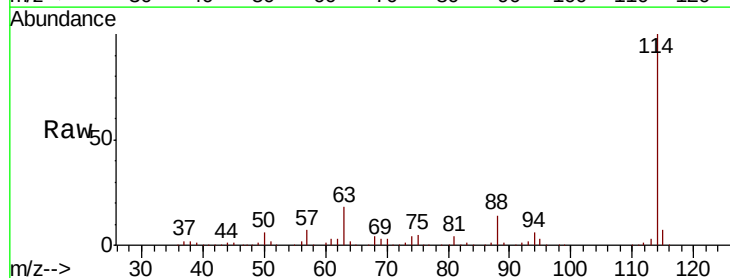
Manual Integrations
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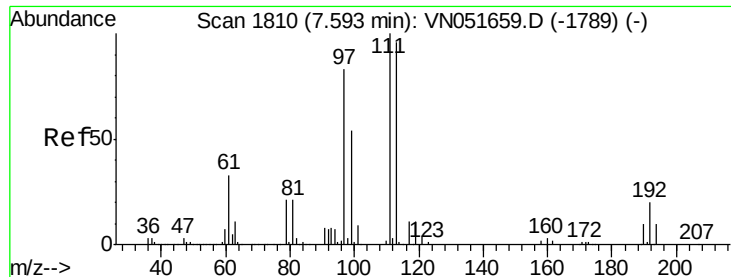
MMDadoda
 10/10/2018 11:48:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion: 114 Resp: 984304
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 14.4 0.0 30.2





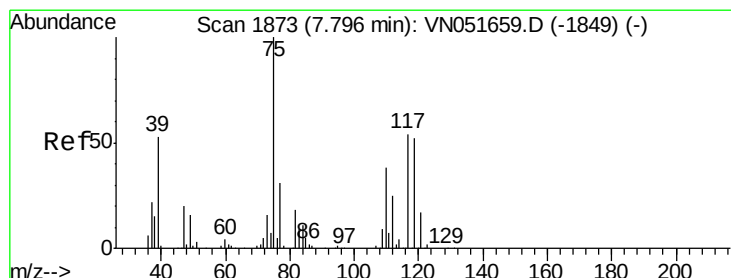
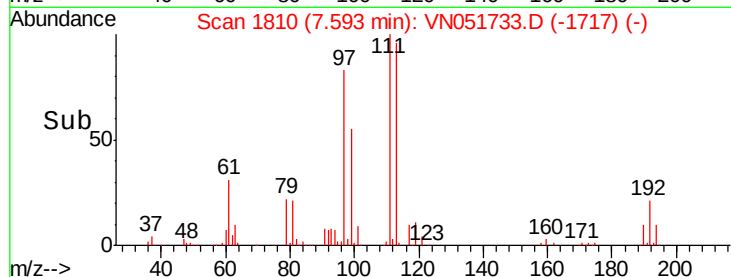
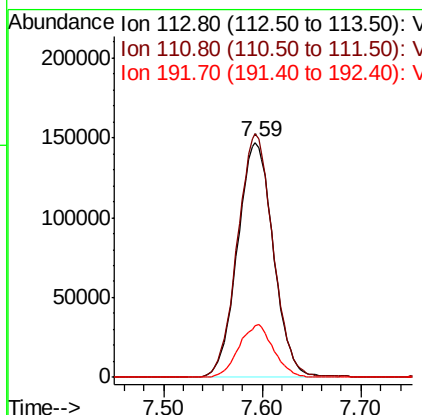
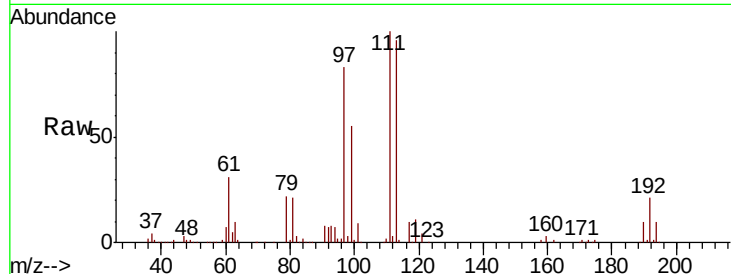
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	370184		
111	102.5	81.8	122.8	
192	21.7	16.5	24.7	

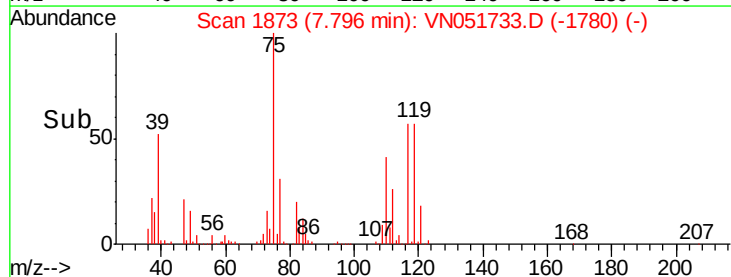
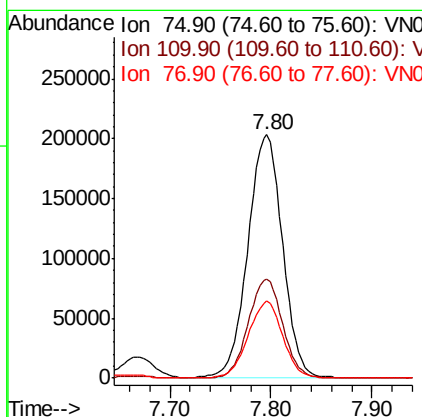
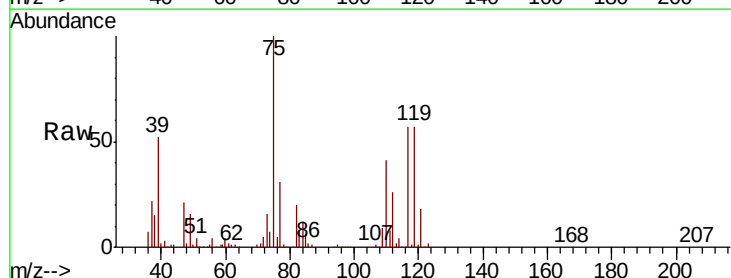
Manual Integrations
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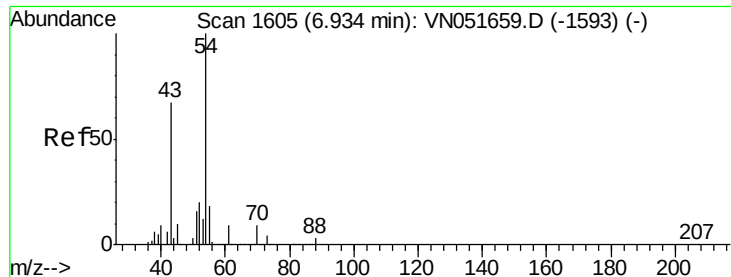
MMDadoda
10/10/2018 11:48:37 AM



#36
1,1-Dichloropropene
Concen: 46.850 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	482013		
110	40.4	19.3	57.8	
77	31.8	24.7	37.1	





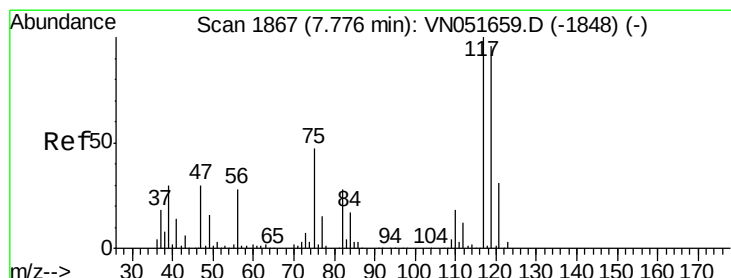
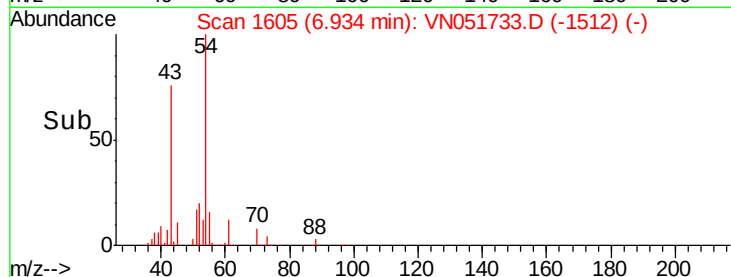
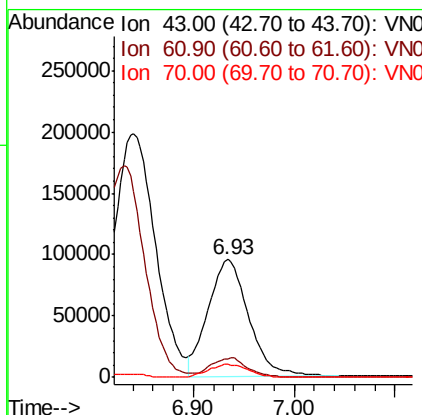
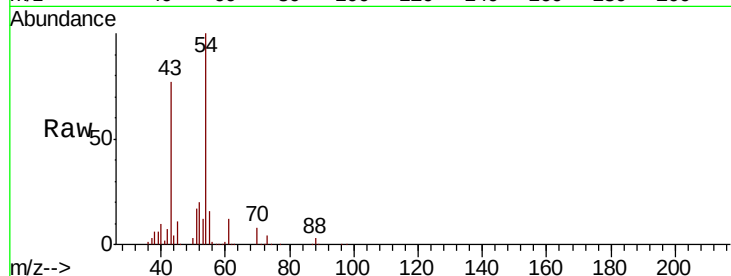
#37
Ethyl Acetate
Concen: 49.650 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	10.9	8.7	13.1

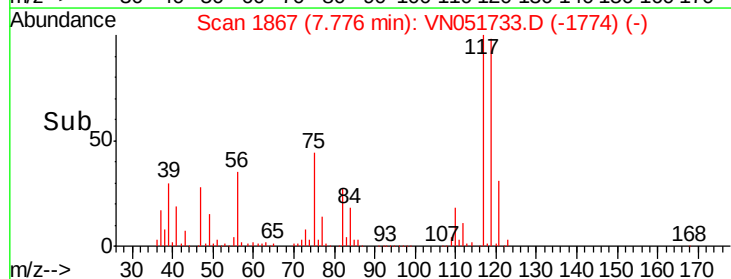
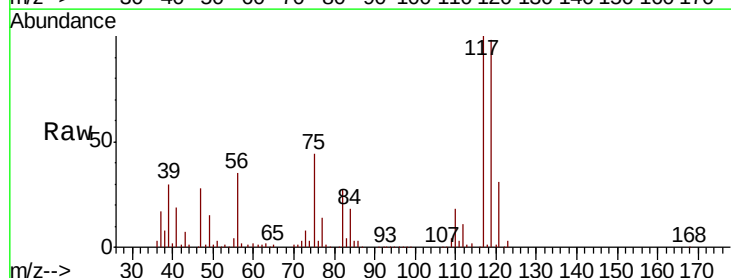
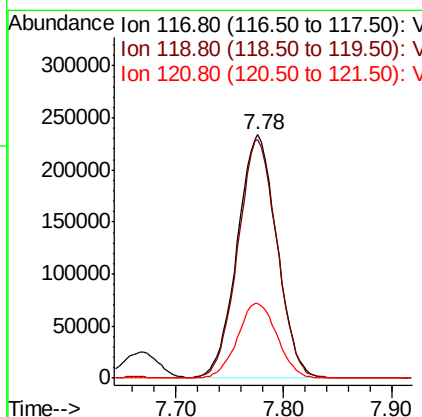
Manual Integrations
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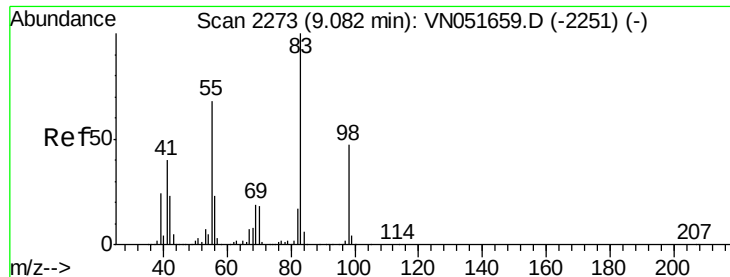
MMDadoda
10/10/2018 11:48:37 AM



#38
Carbon Tetrachloride
Concen: 48.210 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.0	115.6
121	30.6	25.0	37.6





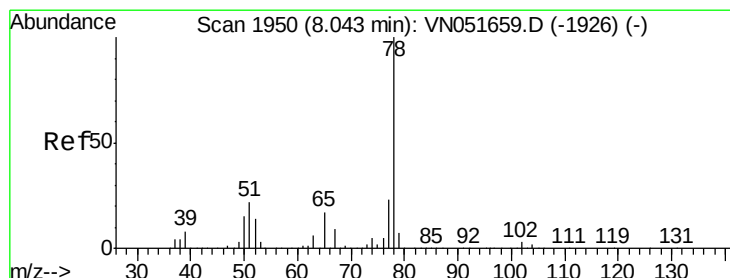
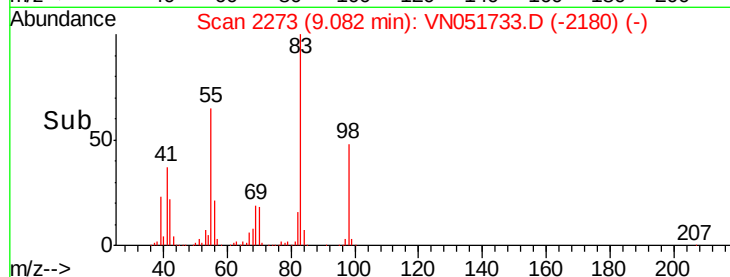
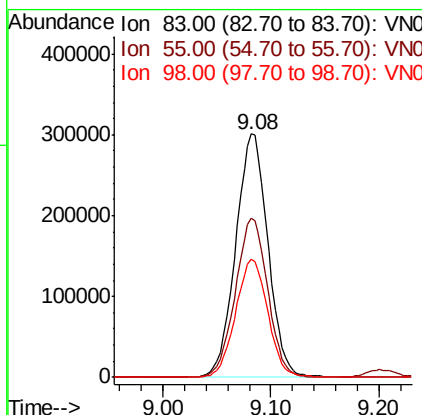
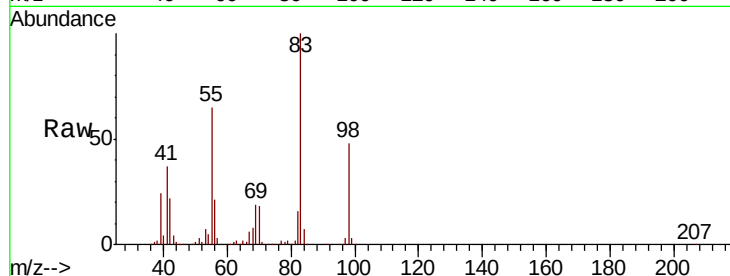
#39
Methylvlcyclohexane
Concen: 48.527 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.4	54.3	81.5
98	48.3	37.4	56.2

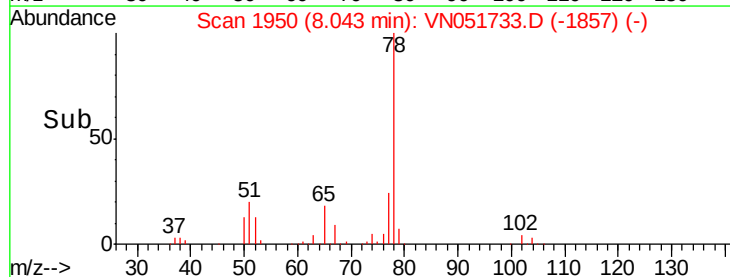
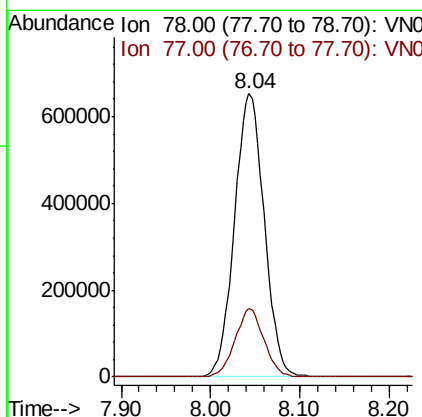
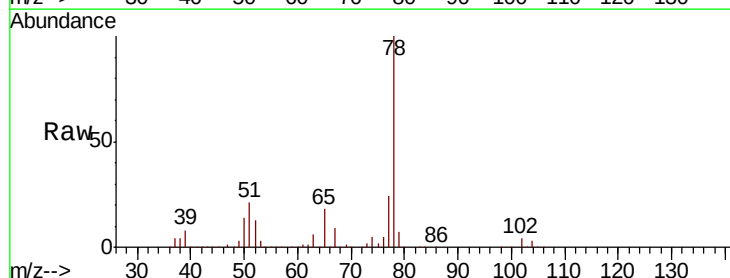
Manual Integrations
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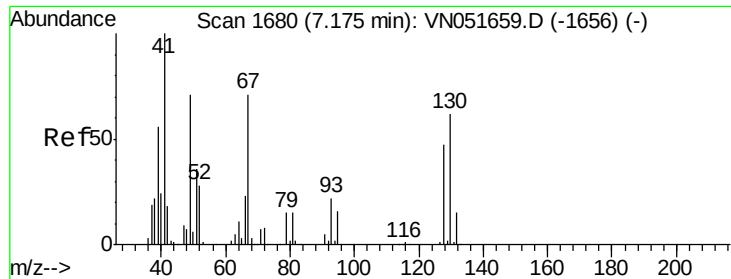
MMDadoda
10/10/2018 11:48:37 AM



#40
Benzene
Concen: 49.423 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.5	27.7





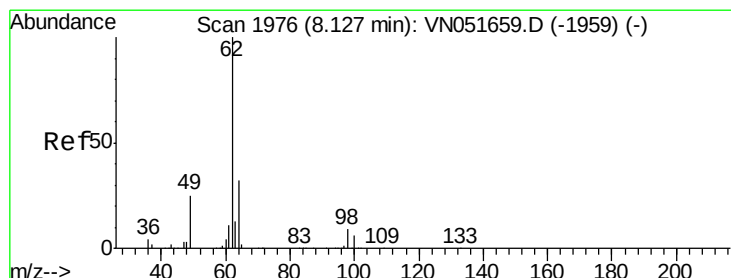
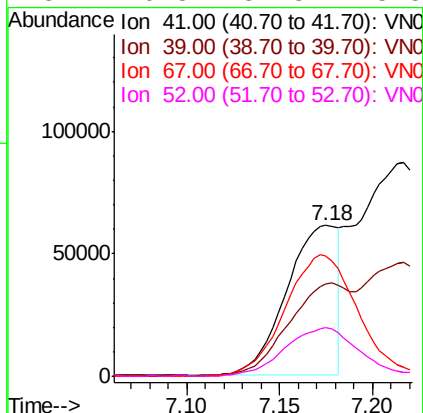
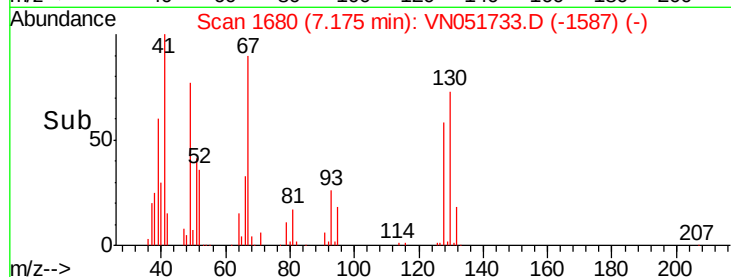
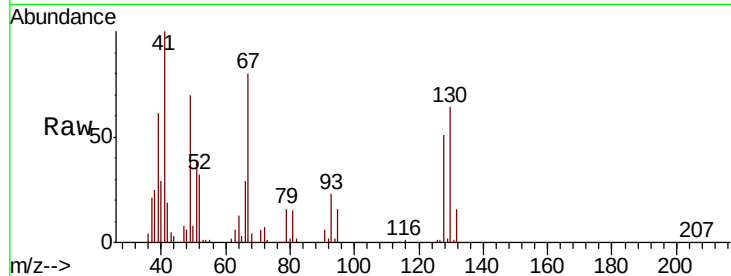
#41
Methacrylonitrile
Concen: 42.803 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion:	41	Resp:	118459
Ion Ratio	Lower	Upper	
41	100		
39	76.7	53.9	80.9
67	115.1	78.1	117.1
52	46.8	32.3	48.5

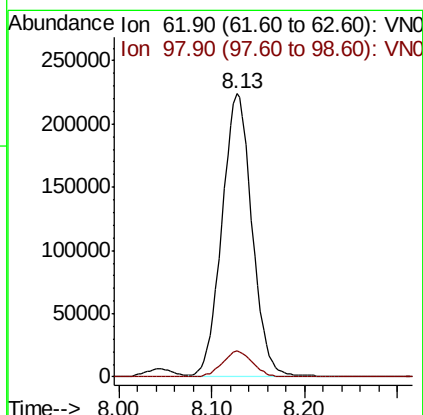
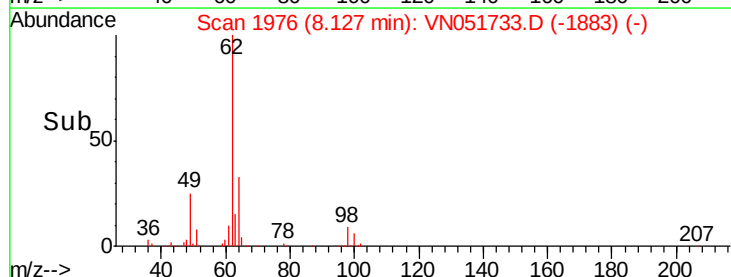
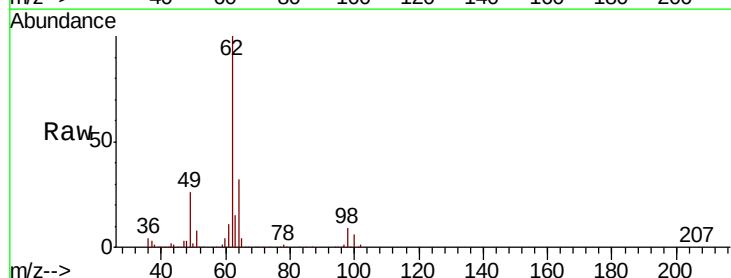
Manual Integrations
APPROVED

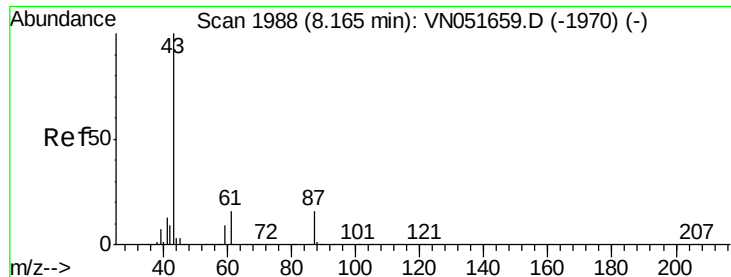
MMDadoda
10/10/2018 11:48:37 AM



#42
1,2-Dichloroethane
Concen: 48.960 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion:	62	Resp:	503247
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.4





#43

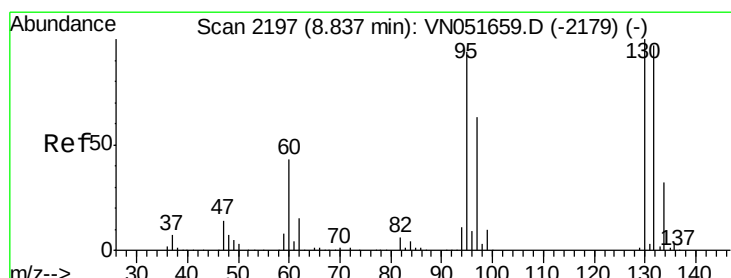
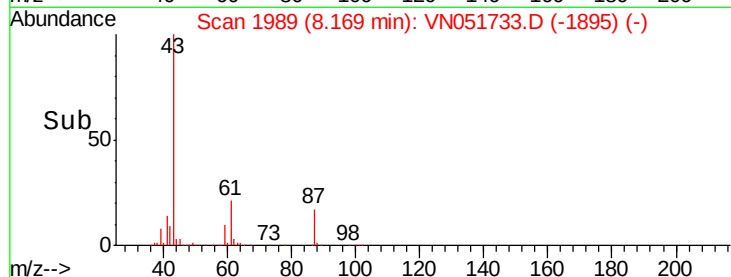
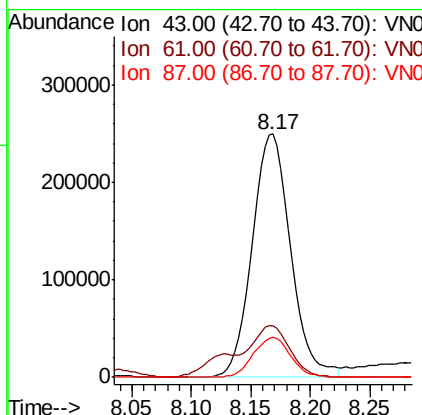
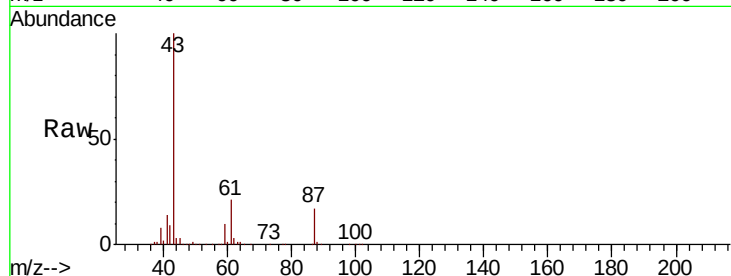
Isopropyl Acetate
 Concen: 49.837 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.8	23.6
87	16.2	12.6	19.0

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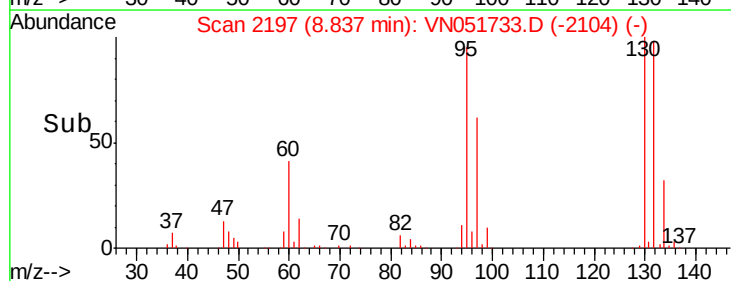
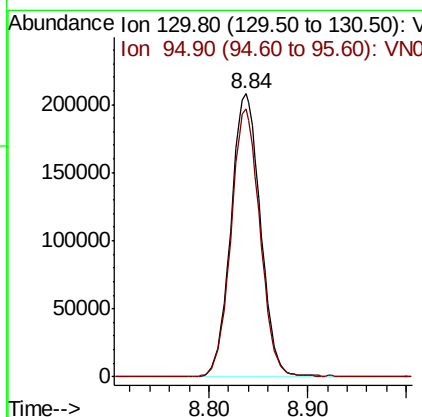
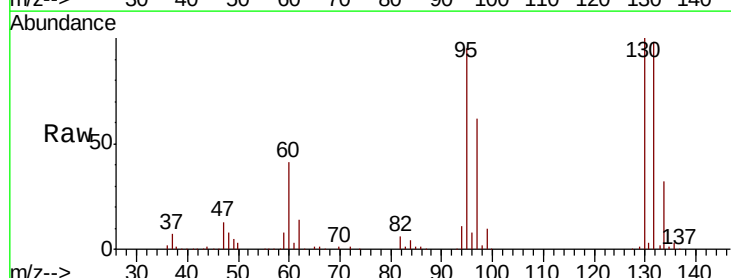
MMDadoda
 10/10/2018 11:48:37 AM

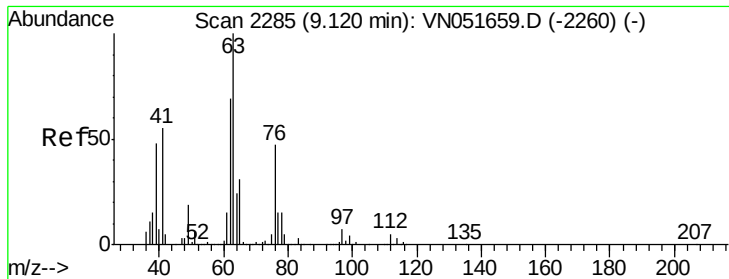


#44

Trichloroethene
 Concen: 49.973 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	188.0





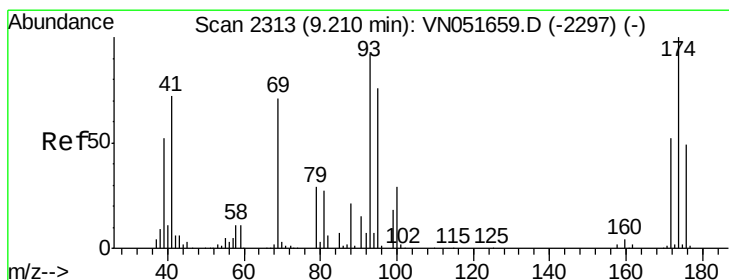
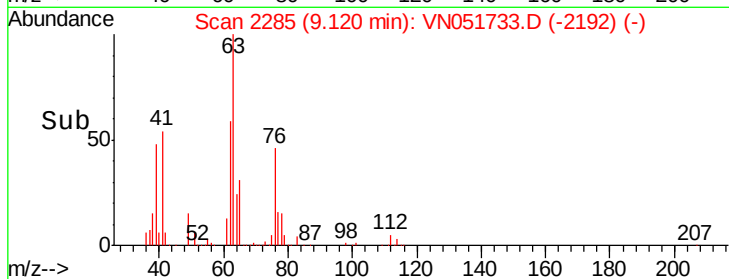
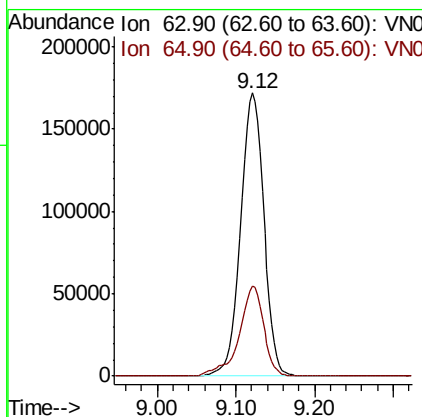
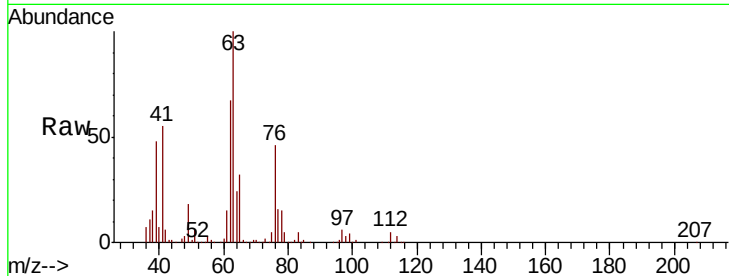
#45
 1,2-Dichloropropane
 Concen: 47.443 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.0	37.4

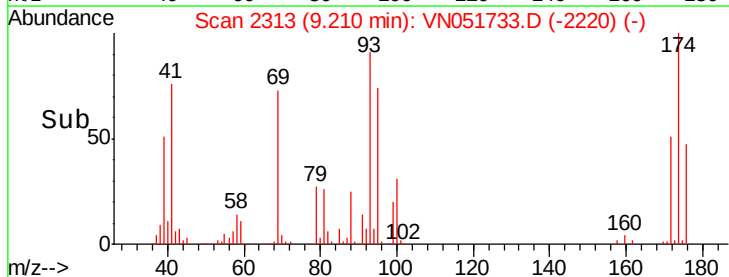
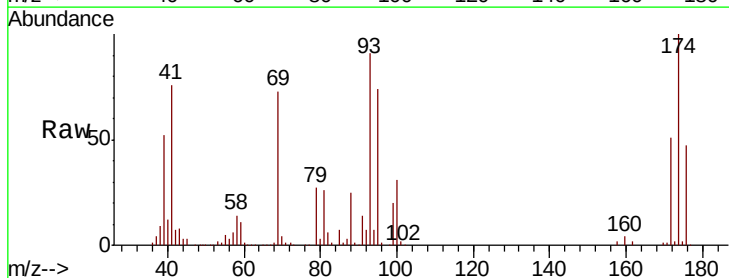
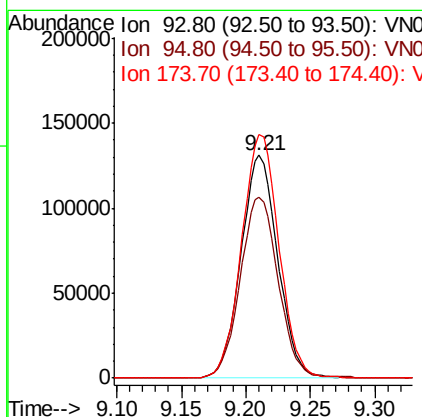
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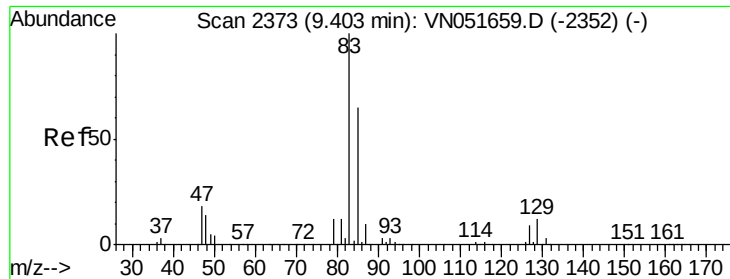
MMDadoda
 10/10/2018 11:48:37 AM



#46
 Dibromomethane
 Concen: 49.921 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.6	100.0
174	110.9	85.9	128.9





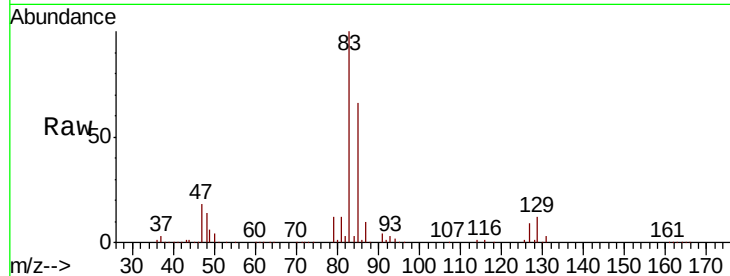
#47
Bromodichloromethane
Concen: 48.232 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

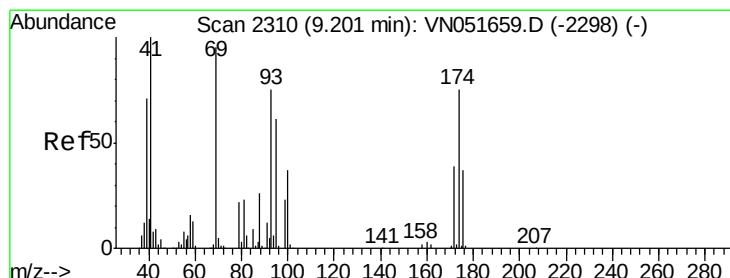
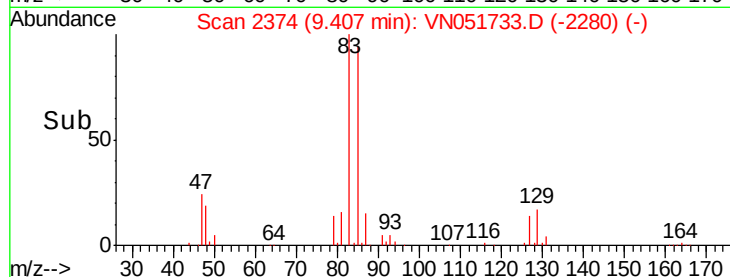
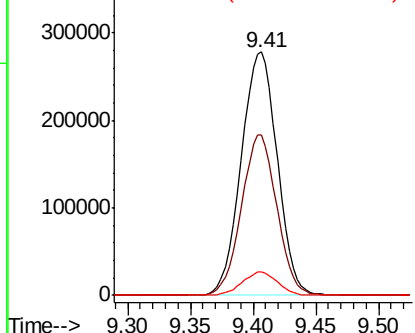
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.7	51.6	77.4	
127	9.5	7.3	10.9	

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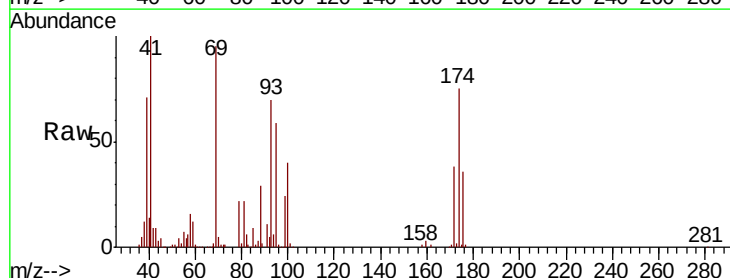


Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-2352) (-)
Ion 84.90 (84.60 to 85.60): VN051659.D (-2352) (-)
Ion 126.80 (126.50 to 127.50): VN051659.D (-2352) (-)

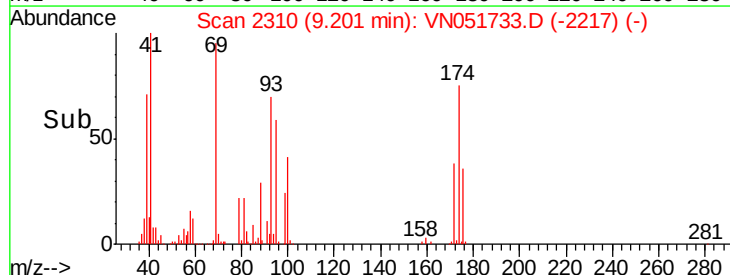
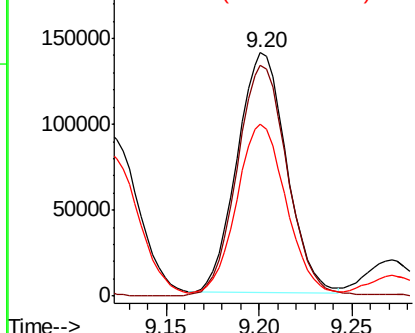


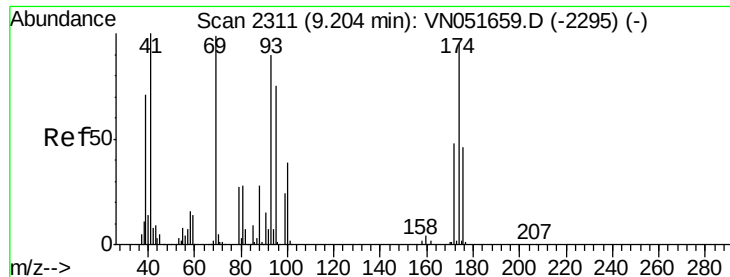
#48
Methyl methacrylate
Concen: 50.532 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	98.5	78.6	118.0	
39	72.2	59.2	88.8	



Abundance Ion 41.00 (40.70 to 41.70): VN051659.D (-2298) (-)
Ion 69.00 (68.70 to 69.70): VN051659.D (-2298) (-)
Ion 39.00 (38.70 to 39.70): VN051659.D (-2298) (-)





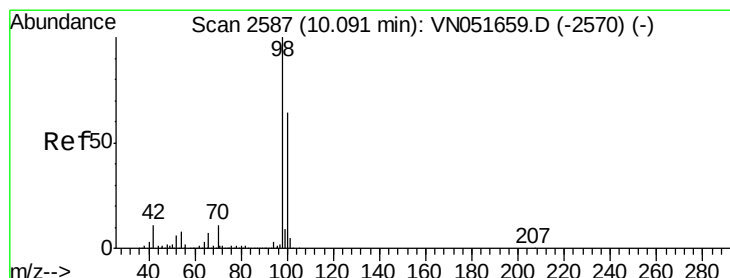
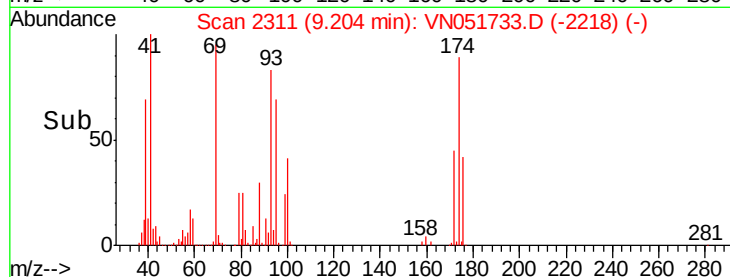
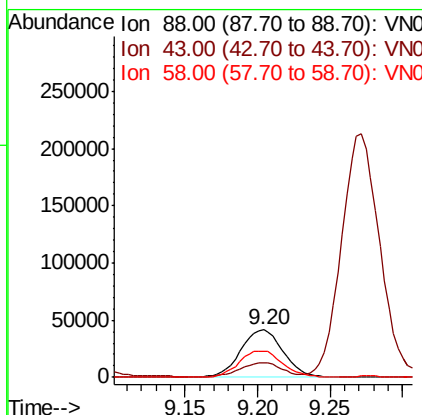
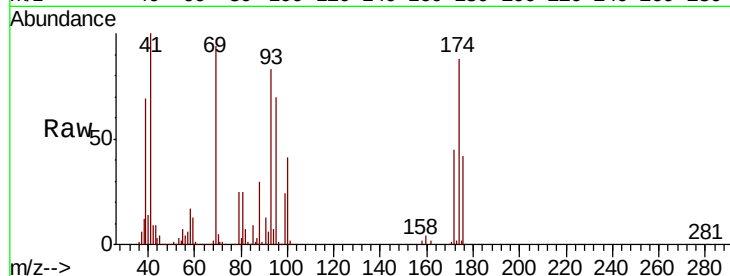
#49
1,4-Dioxane
Concen: 1118.532 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	24.5	36.7
58	56.1	47.6	71.4

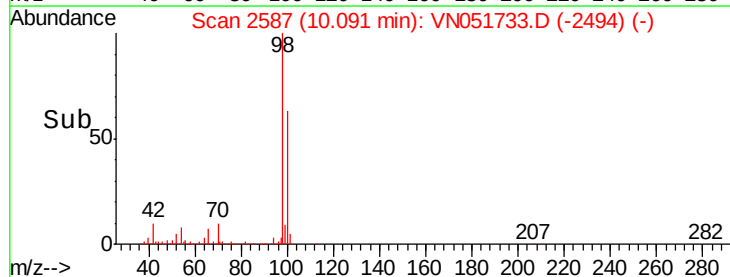
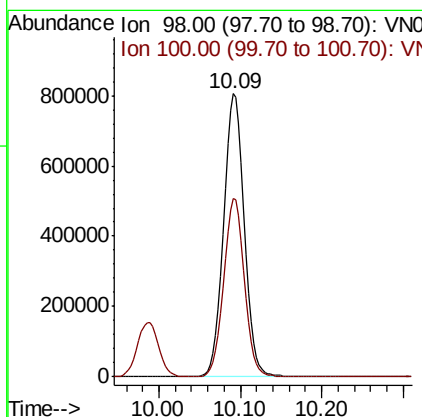
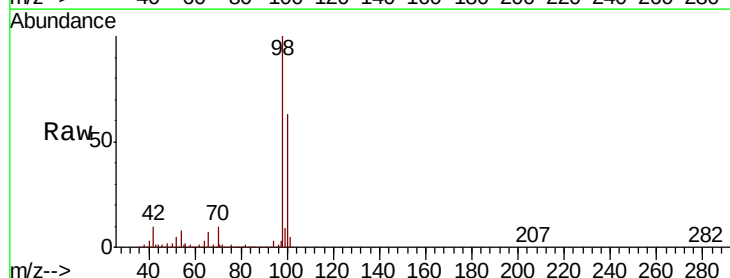
Manual Integrations
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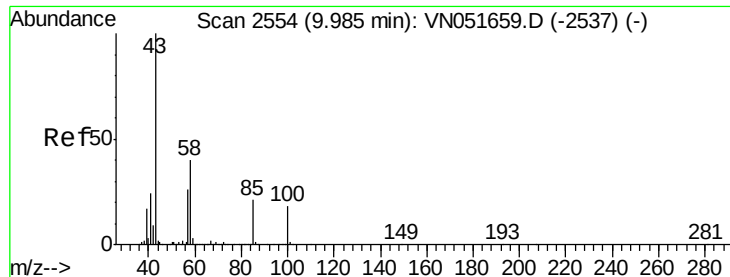
MMDadoda
10/10/2018 11:48:37 AM



#50
Toluene-d8
Concen: 1118.532 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 257.908 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 43 Resp: 1462087

Ion Ratio Lower Upper

43 100

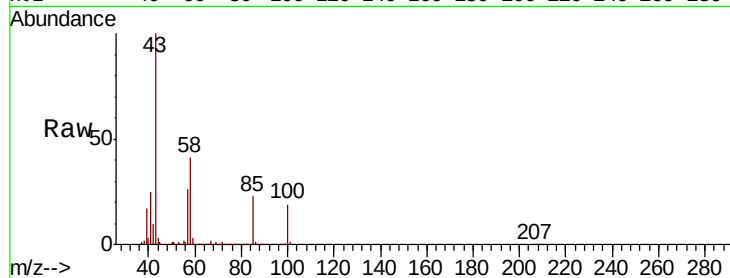
58 41.1 32.2 48.2

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

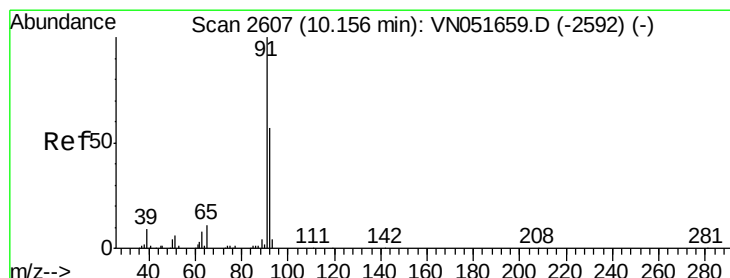
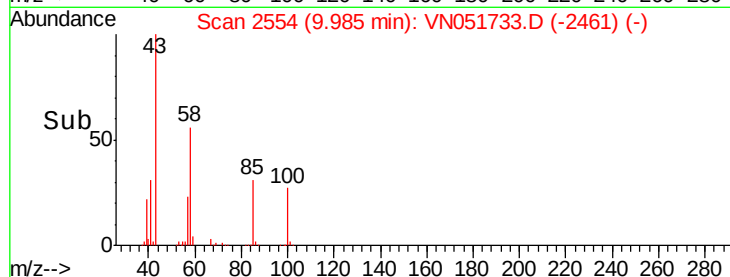
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 51.314 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051733.D

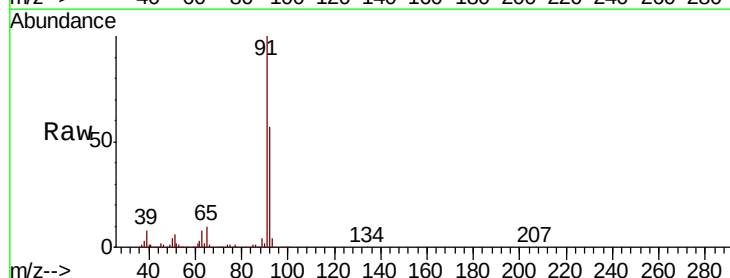
Acq: 8 Oct 2018 14:10

Tgt Ion: 92 Resp: 1040925

Ion Ratio Lower Upper

92 100

91 174.5 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1200000

1000000

800000

600000

400000

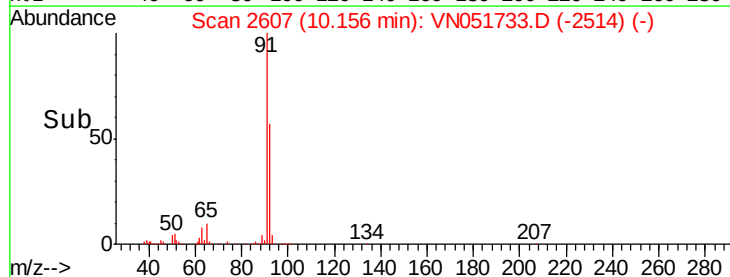
200000

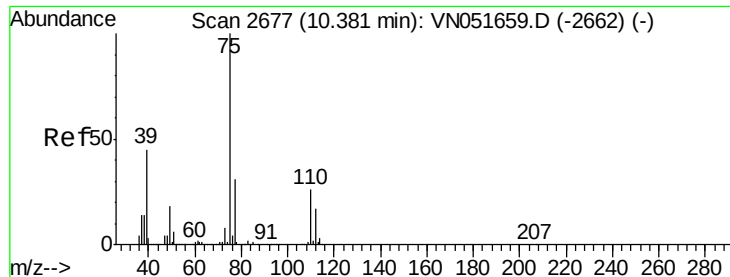
0

10.10

10.20

Time-->





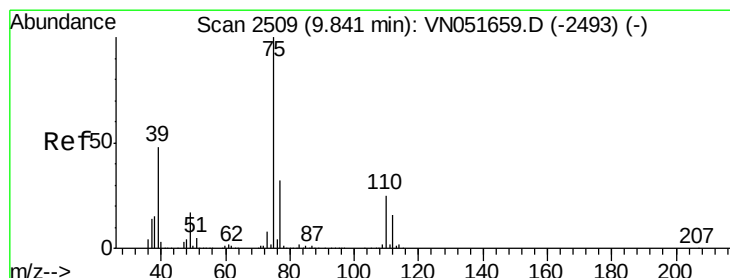
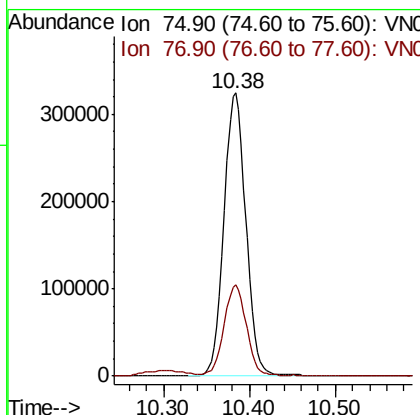
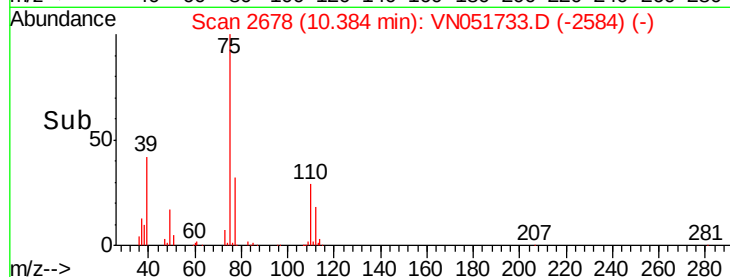
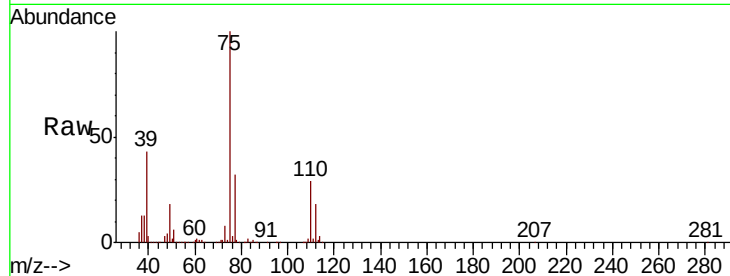
#53
t-1,3-Dichloropropene
Concen: 48.547 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3

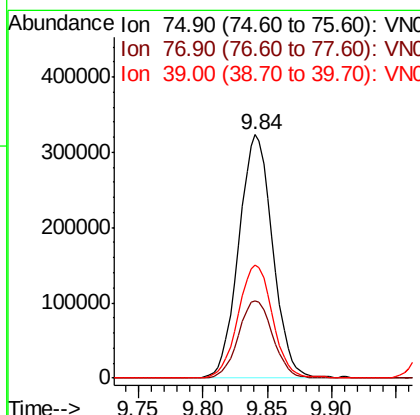
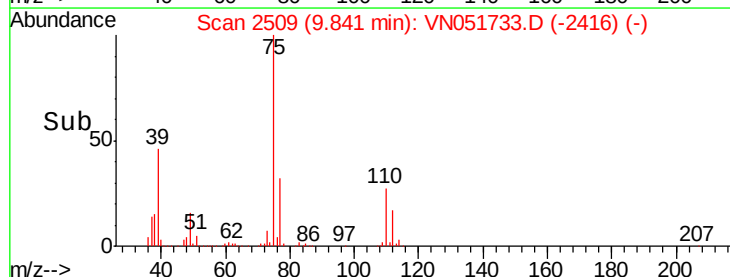
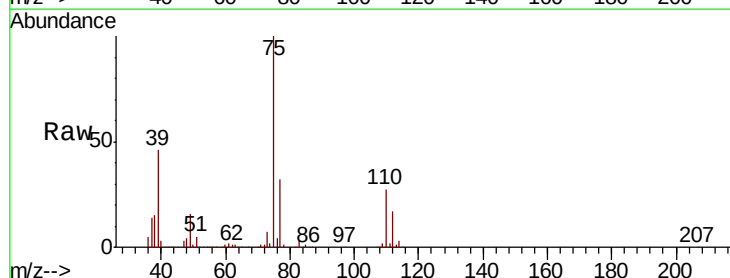
Manual Integrations
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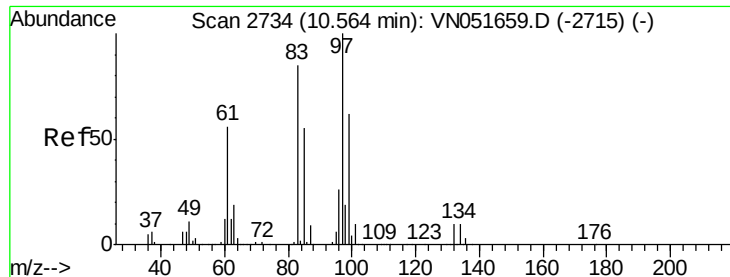
MMDadoda
10/10/2018 11:48:37 AM



#54
cis-1,3-Dichloropropene
Concen: 46.776 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	46.3	38.1	57.1





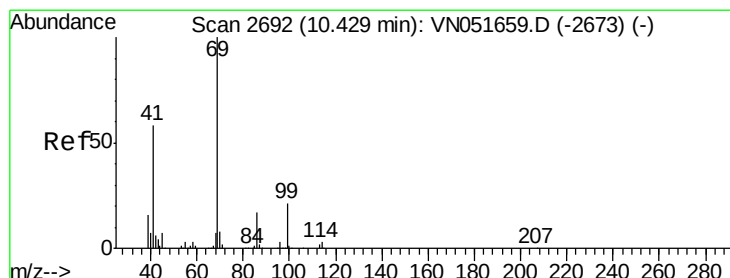
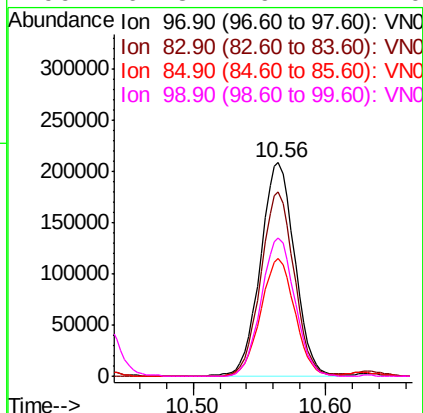
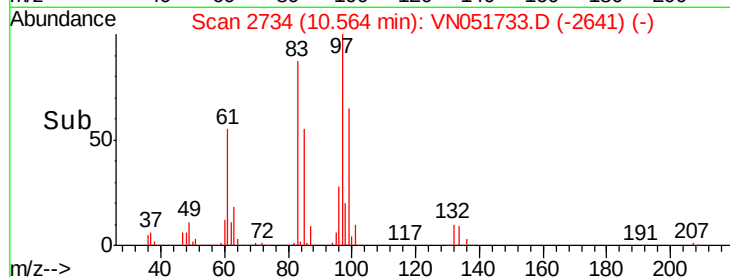
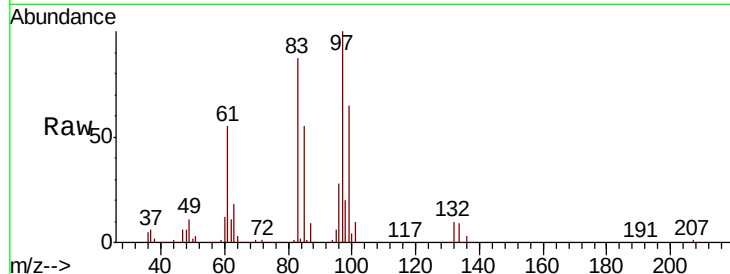
#55
 1,1,2-Trichloroethane
 Concen: 52.081 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		376356		
83	86.5	68.1	102.1		
85	54.9	43.6	65.4		
99	64.8	49.4	74.0		

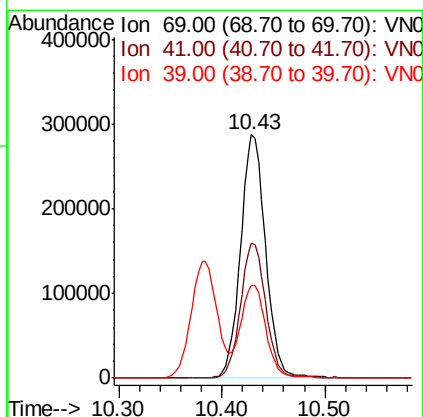
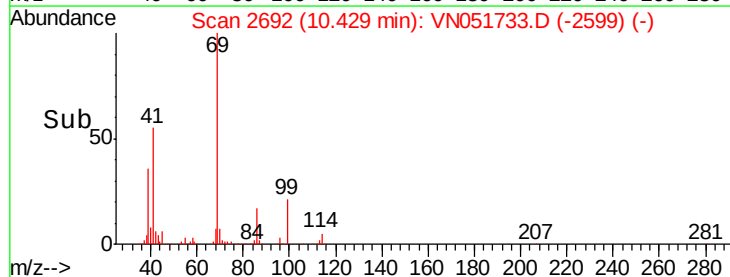
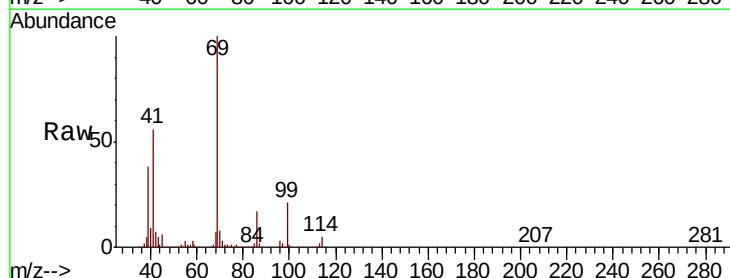
Manual Integrations
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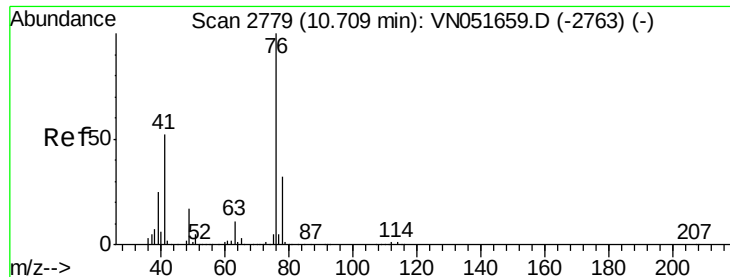
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 10/10/2018 11:48:37 AM



#56
 Ethyl methacrylate
 Concen: 53.156 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		485768		
41	55.4	46.4	69.6		
39	38.7	32.4	48.6		





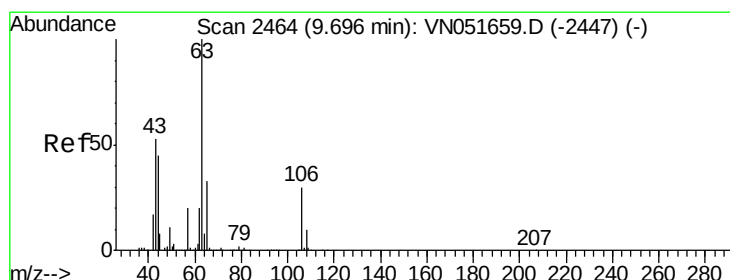
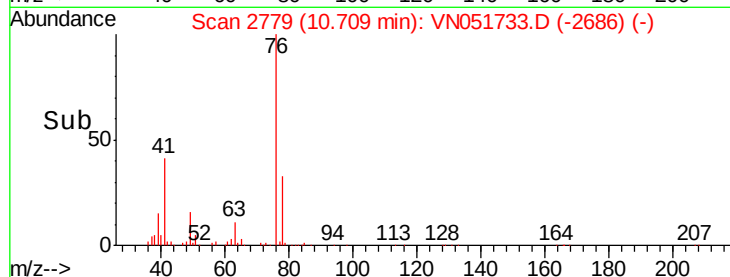
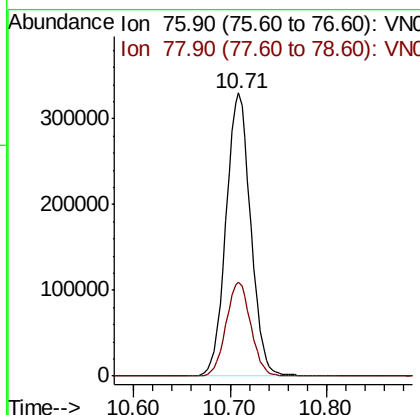
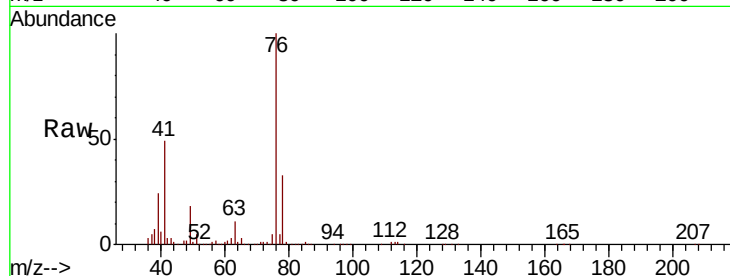
#57
 1,3-Dichloropropane
 Concen: 51.082 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.0	39.0

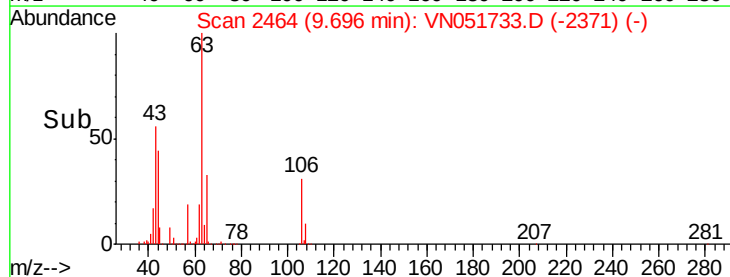
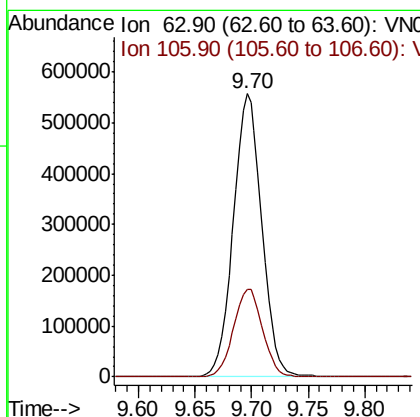
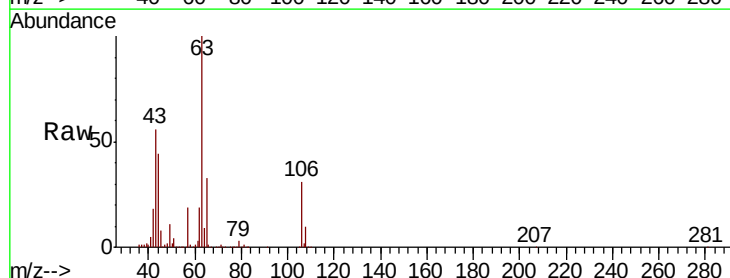
Manual Integrations
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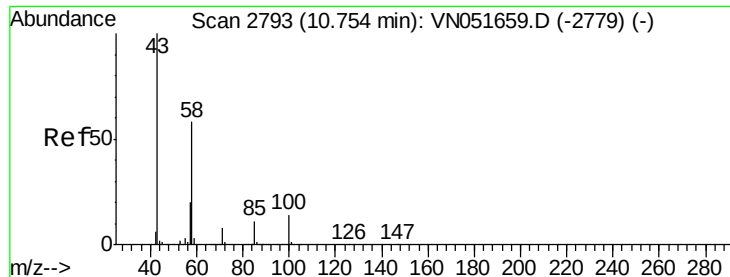
MMDadoda
 10/10/2018 11:48:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.163 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	24.3	36.5





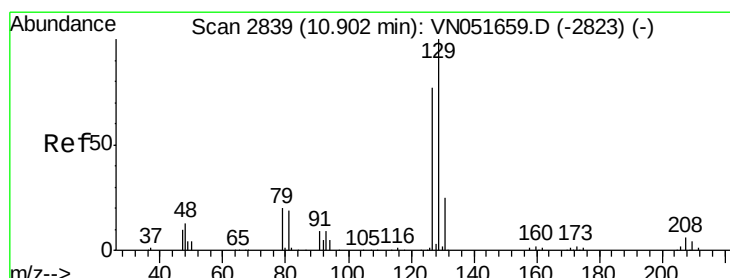
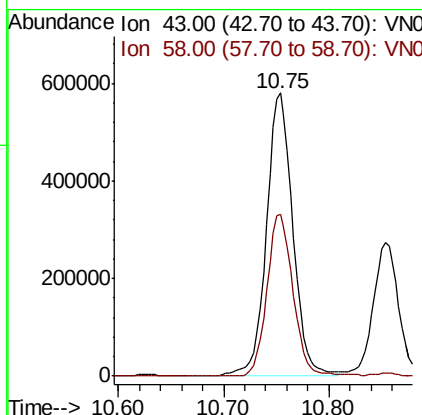
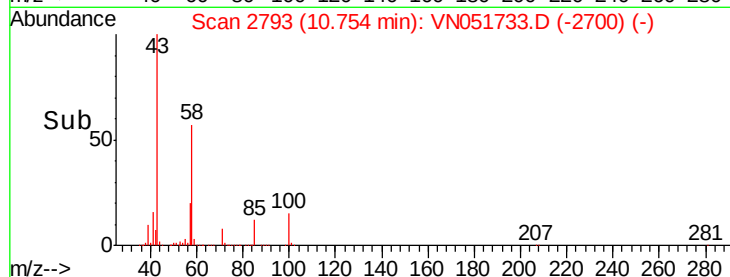
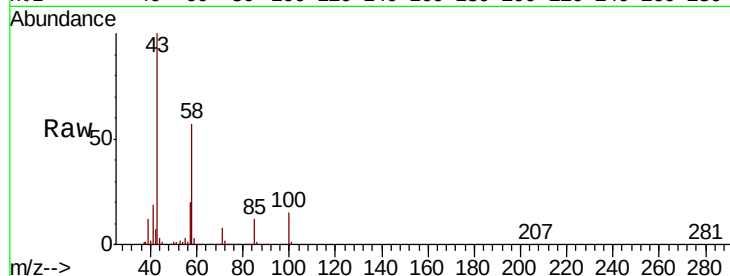
#59
2-Hexanone
Concen: 261.174 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion: 43 Resp: 1005524
Ion Ratio Lower Upper
43 100
58 56.7 28.8 86.4

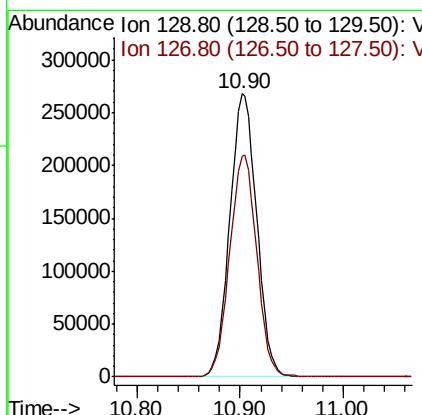
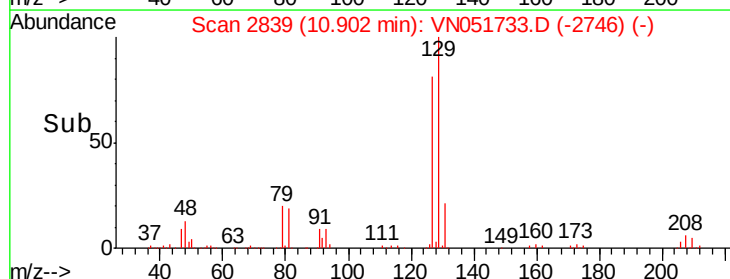
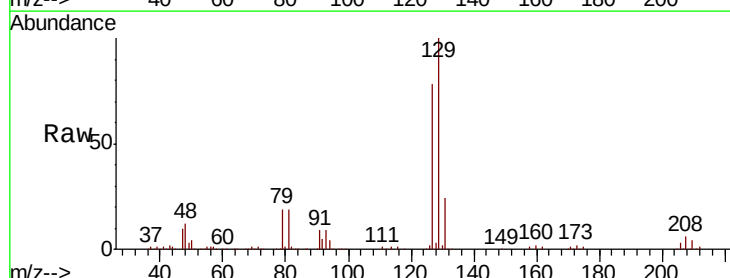
Manual Integrations
APPROVED

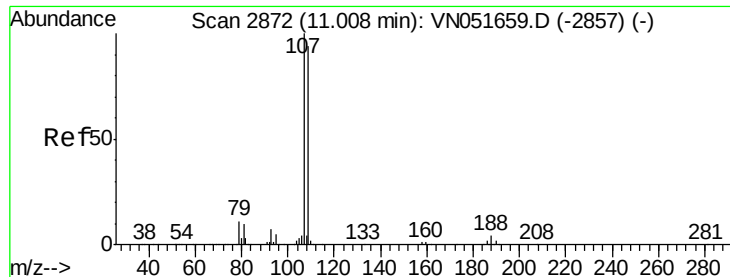
MMDadoda
10/10/2018 11:48:37 AM



#60
Dibromochloromethane
Concen: 51.535 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion: 129 Resp: 487356
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 52.768 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 107 Resp: 403112

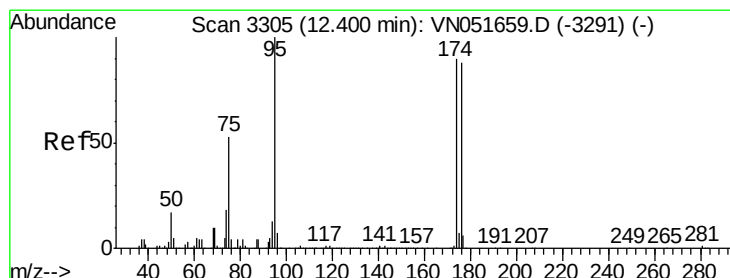
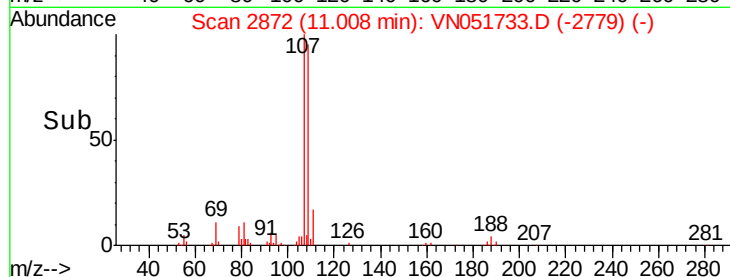
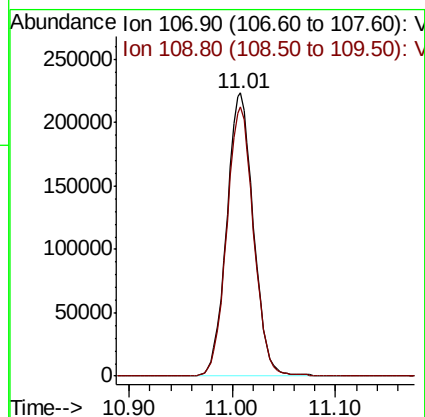
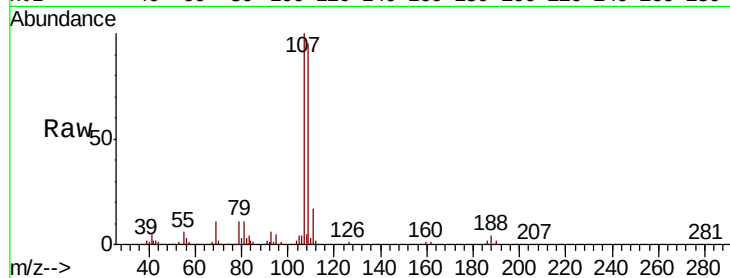
Ion Ratio Lower Upper

107 100

109 95.7 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:37 AM



#62

4-Bromofluorobenzene

Concen: 52.768 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

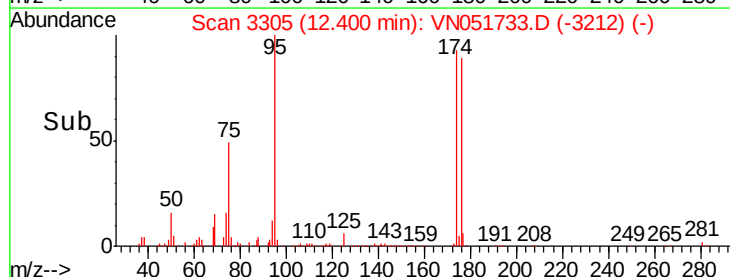
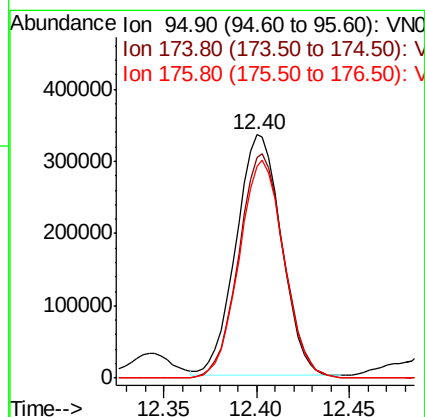
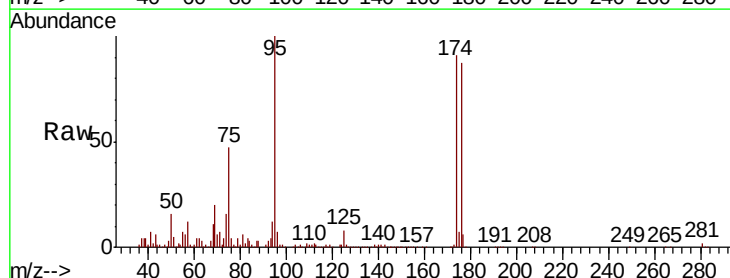
Tgt Ion: 95 Resp: 564314

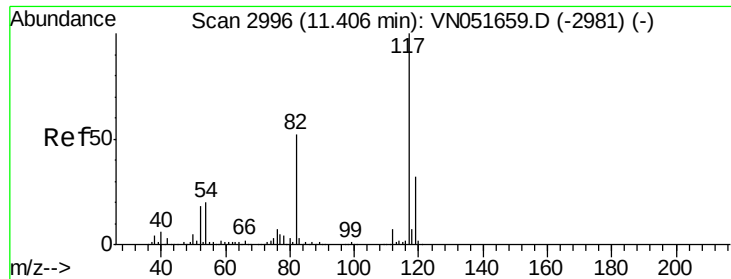
Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

176 89.7 0.0 176.4





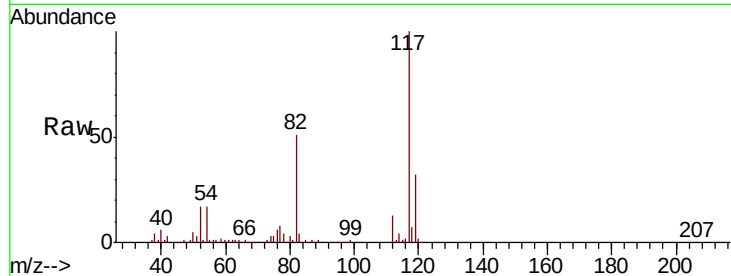
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	985144		
82	50.4	41.3	61.9	
119	32.4	25.9	38.9	

Manual Integrations
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MMDadoda
10/10/2018 11:48:37 AM

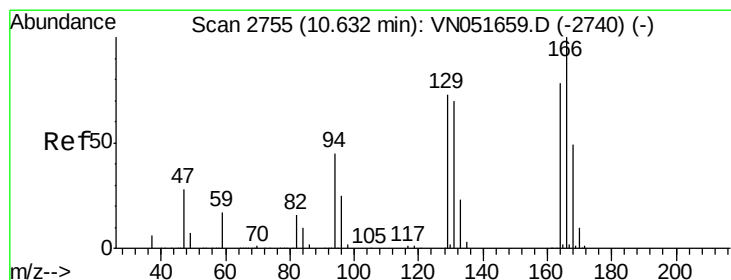
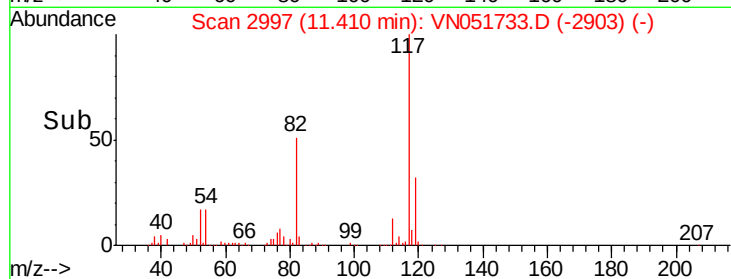
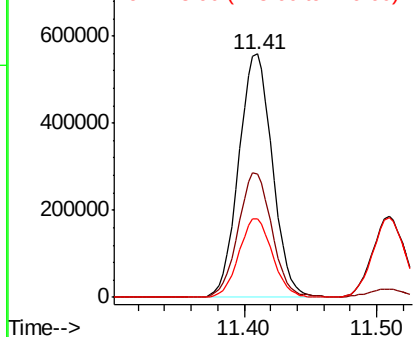


Abundance

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: 49.276 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	428274		
166	125.4	103.0	154.6	
129	92.0	75.2	112.8	
131	87.8	71.7	107.5	

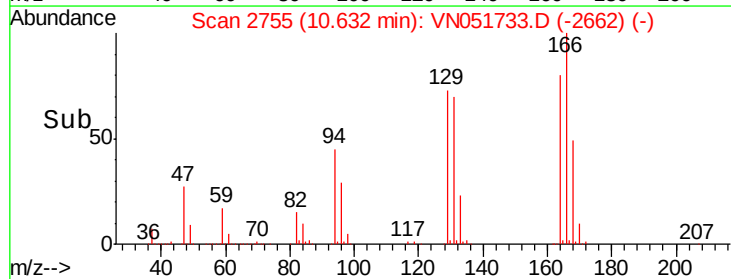
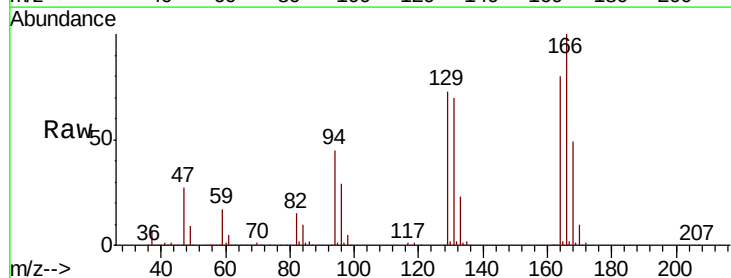
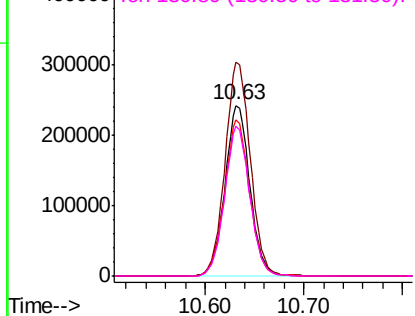
Abundance

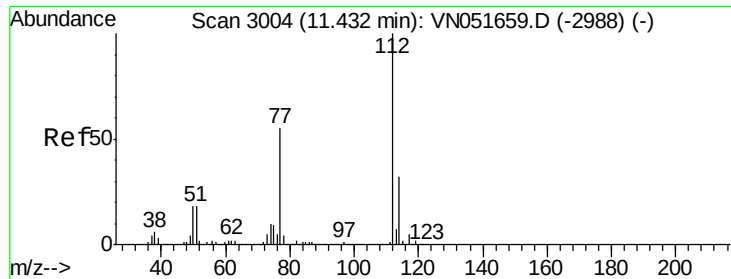
Ion 163.80 (163.50 to 164.50): V

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





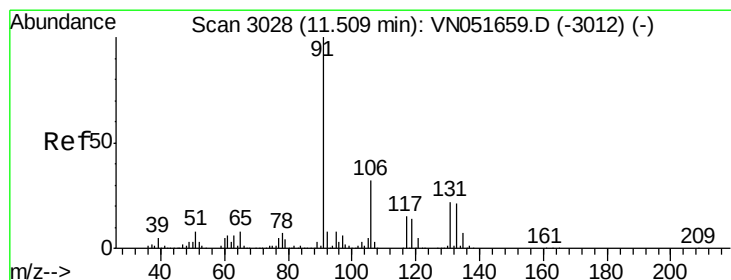
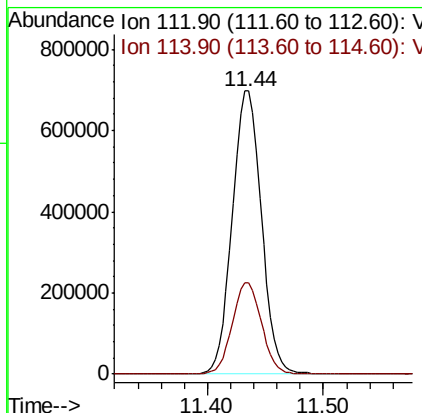
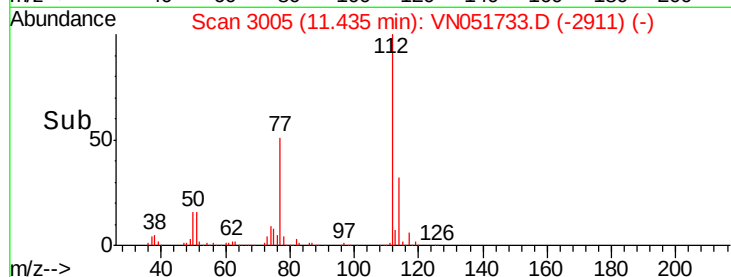
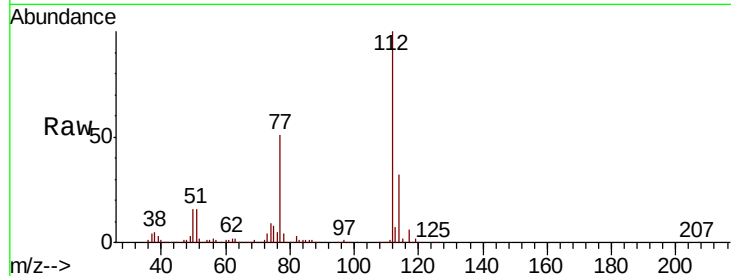
#65
Chlorobenzene
Concen: 49.872 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion:112 Resp: 1216818
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

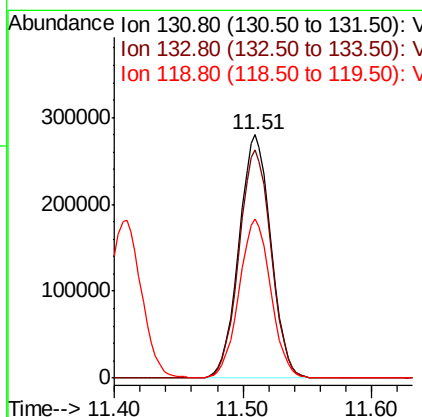
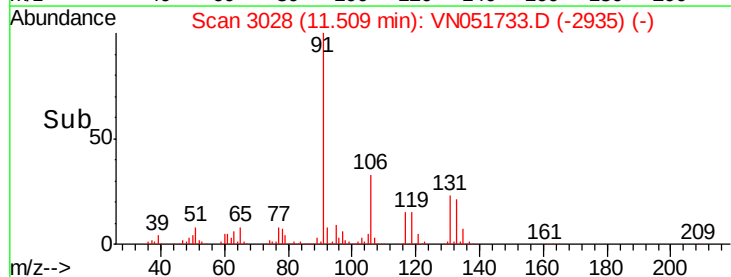
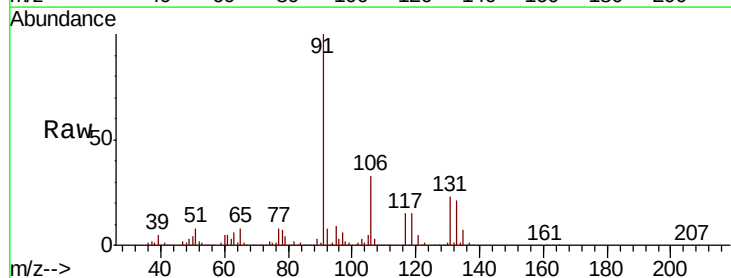
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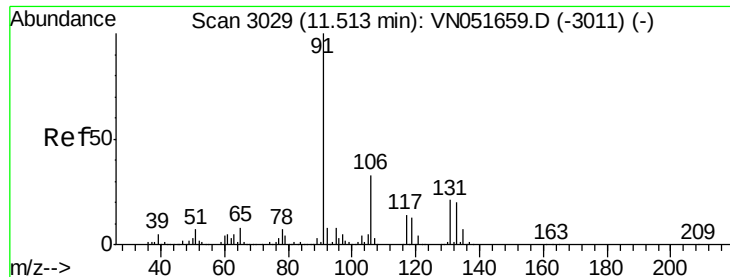
MMDadoda
10/10/2018 11:48:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.376 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion:131 Resp: 482367
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.8
119 65.0 32.0 96.0





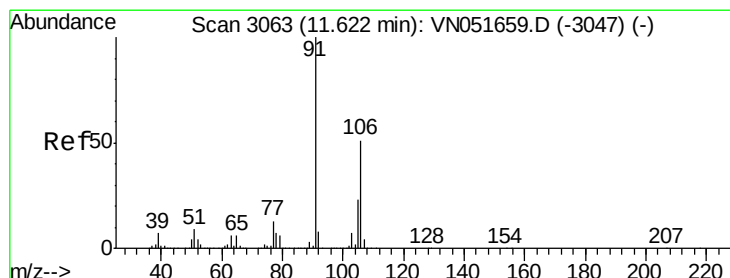
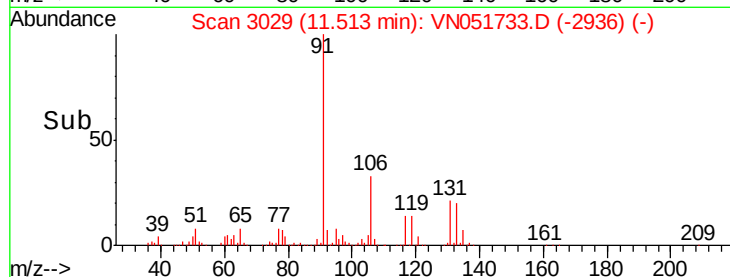
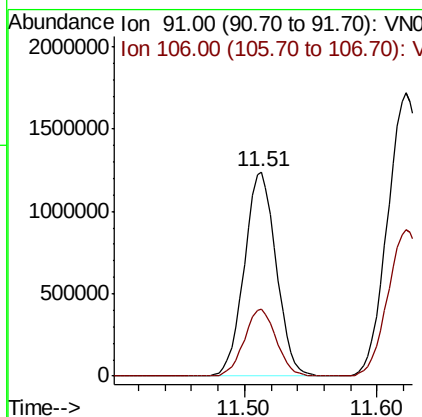
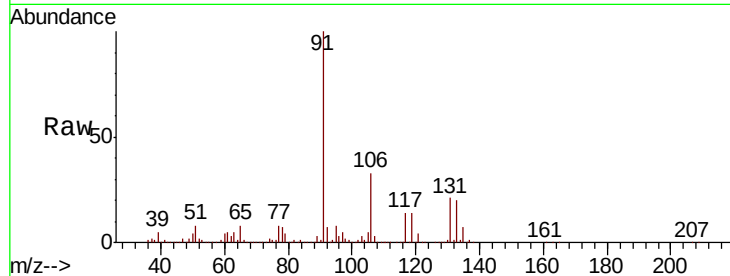
#67
Ethyl Benzene
Concen: 49.123 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion: 91 Resp: 2071602
Ion Ratio Lower Upper
91 100
106 32.5 26.0 39.0

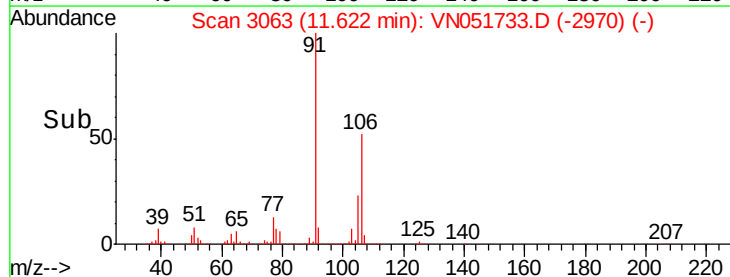
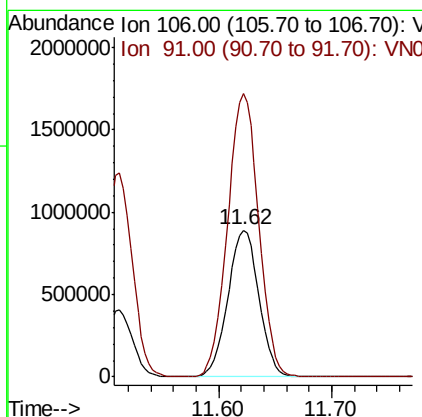
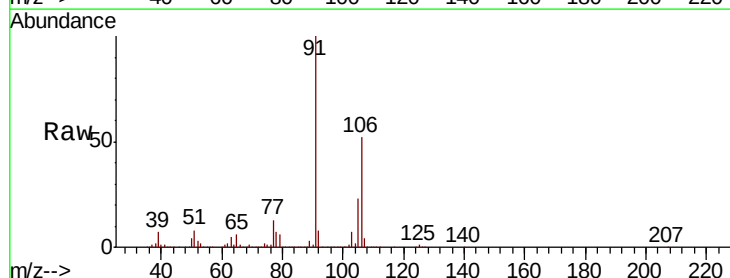
Manual Integrations
APPROVED

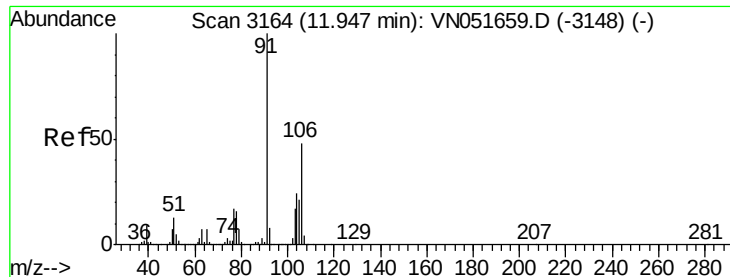
MMDadoda
10/10/2018 11:48:37 AM



#68
m/p-Xylenes
Concen: 100.431 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion: 106 Resp: 1694639
Ion Ratio Lower Upper
106 100
91 193.4 158.4 237.6





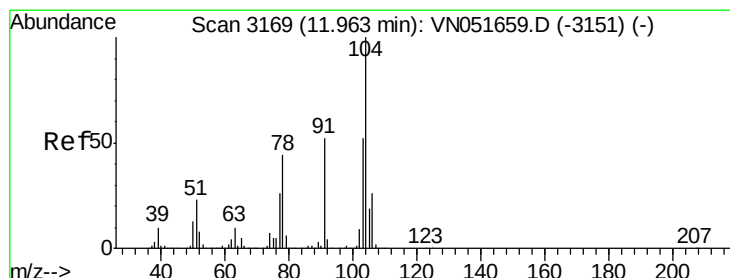
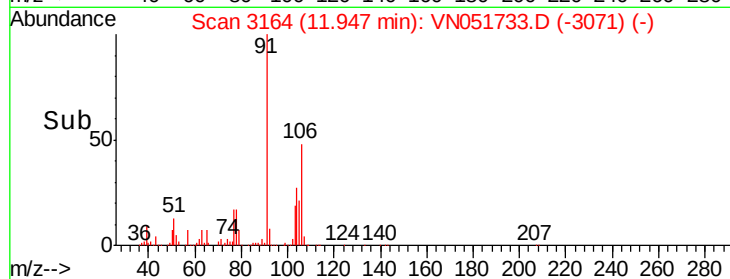
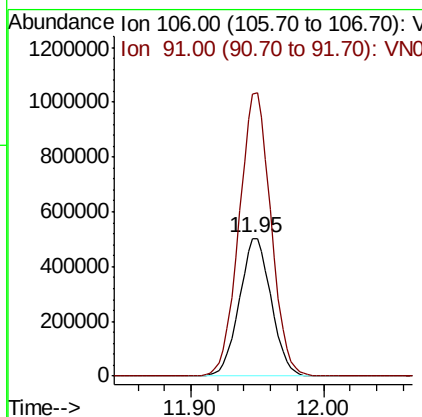
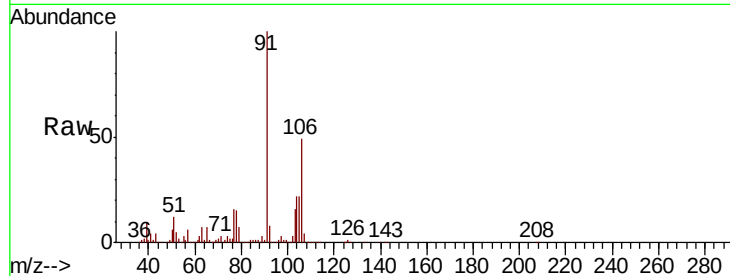
#69
o-Xylene
Concen: 50.715 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ion	Ratio	Lower	Upper
839238	106	100		
	91	205.1	104.4	313.2

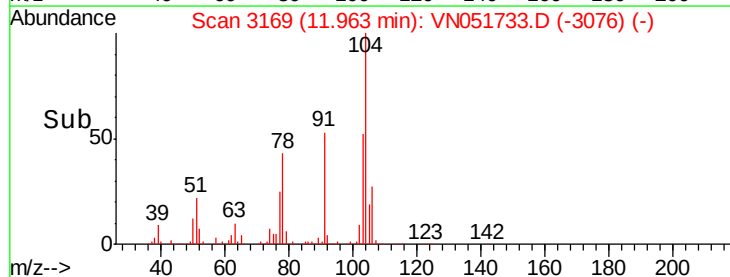
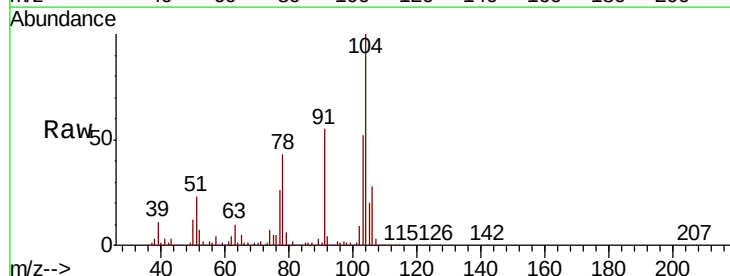
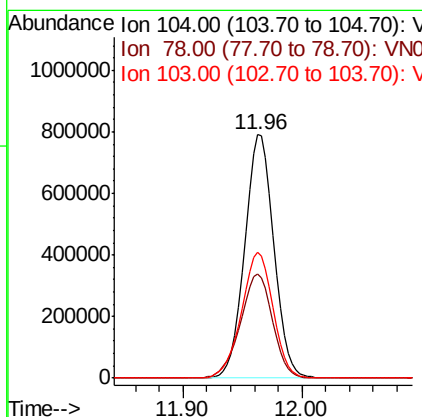
Manual Integrations
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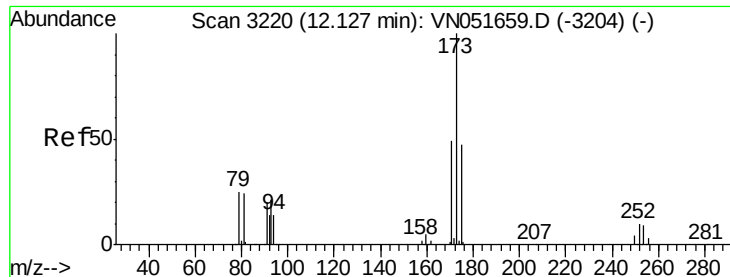
MMDadoda
10/10/2018 11:48:37 AM



#70
Styrene
Concen: 50.835 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ion	Ratio	Lower	Upper
1340437	104	100		
	78	47.1	39.3	58.9
	103	56.0	45.0	67.6





#71

Bromoform

Concen: 50.928 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

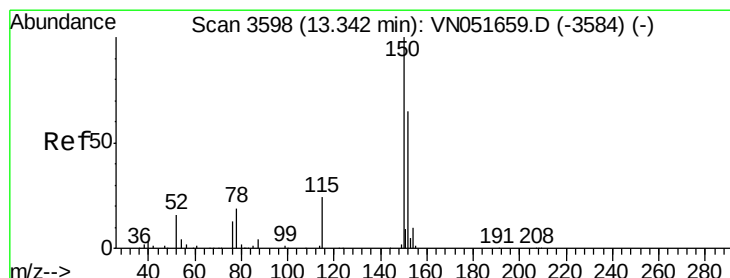
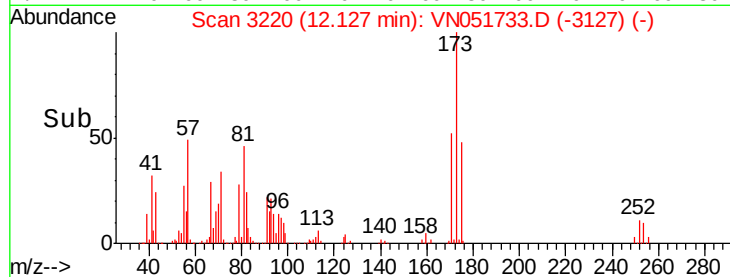
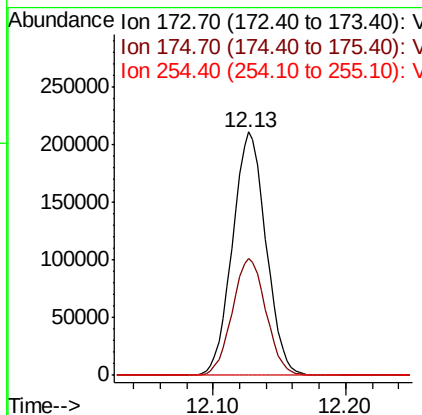
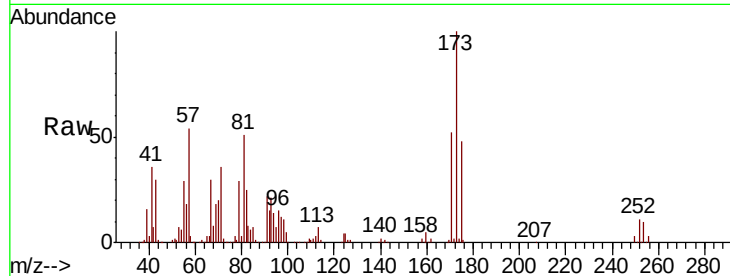
ClientSampleId :

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.0	72.0
254	0.2	0.1	0.1#

Manual Integrations
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MMDadoda
10/10/2018 11:48:37 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

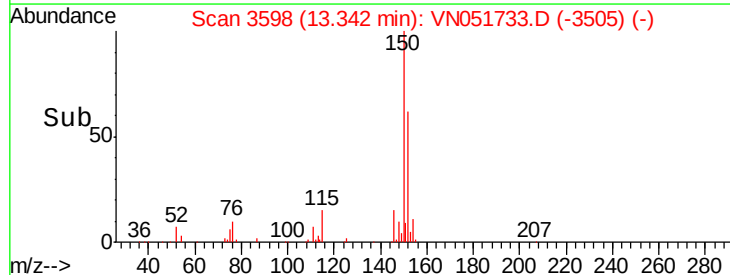
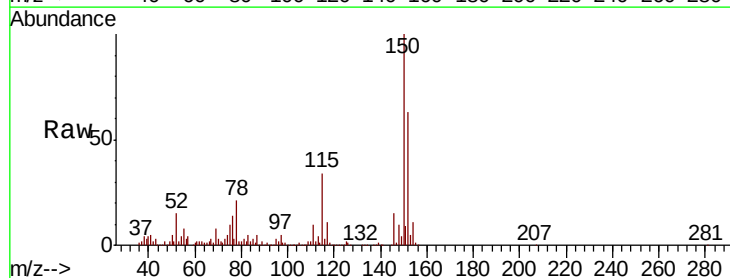
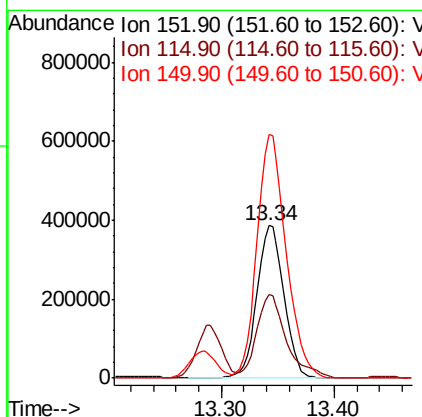
RT: 13.34 min Scan# 3598

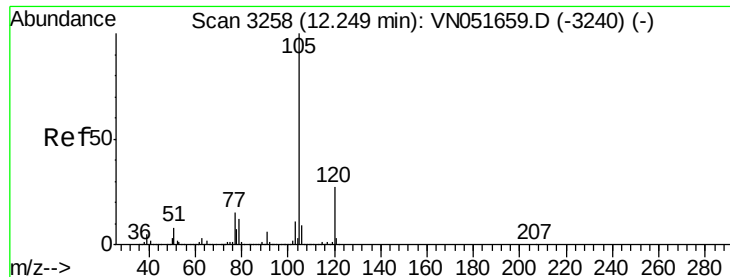
Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	28.6	85.8
150	173.1	0.0	352.4





#73

Isopropylbenzene

Concen: 43.720 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:105 Resp: 2372911

Ion Ratio Lower Upper

105 100

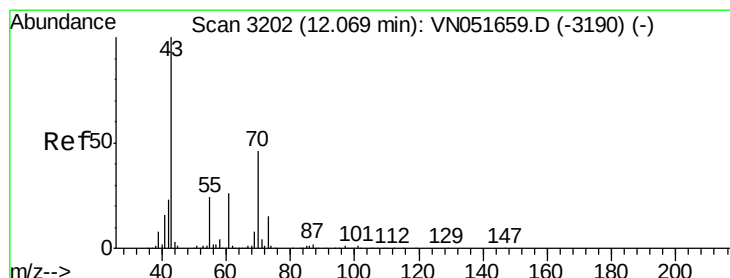
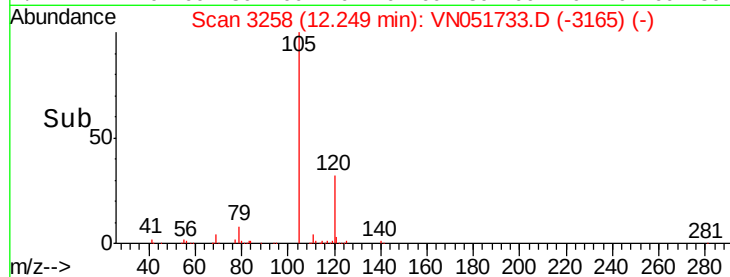
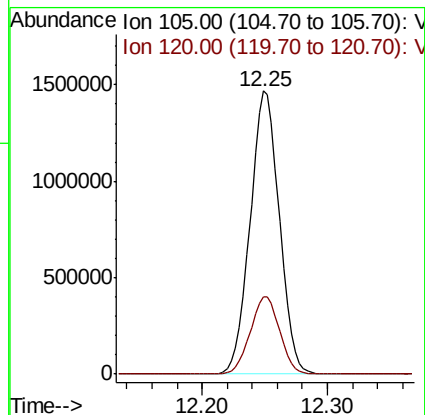
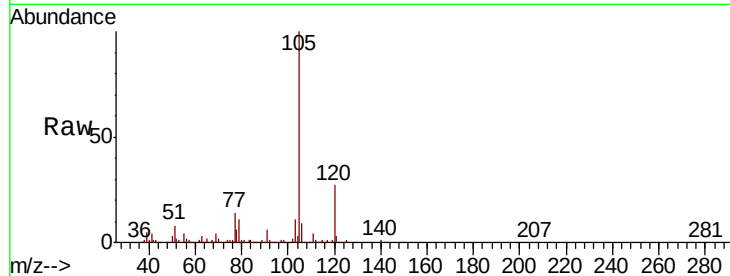
120 27.6 13.9 41.6

Manual Integrations

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MMDadoda

10/10/2018 11:48:37 AM



#74

N-ethyl acetate

Concen: 75.886 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion: 43 Resp: 832196

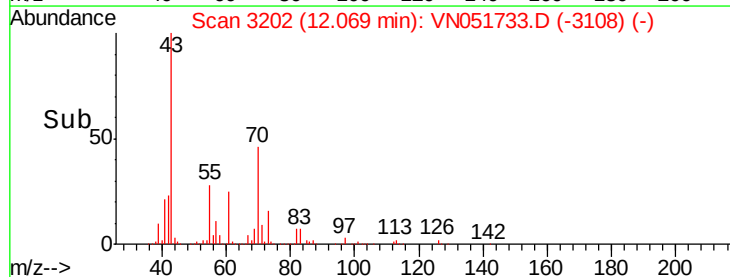
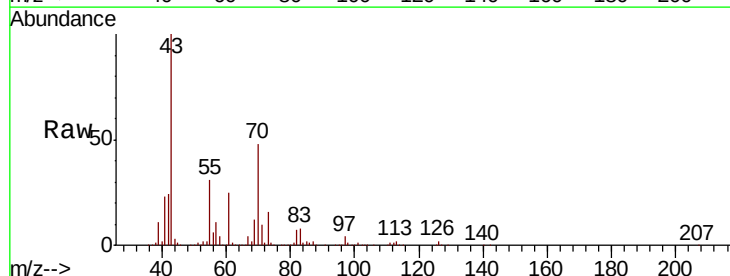
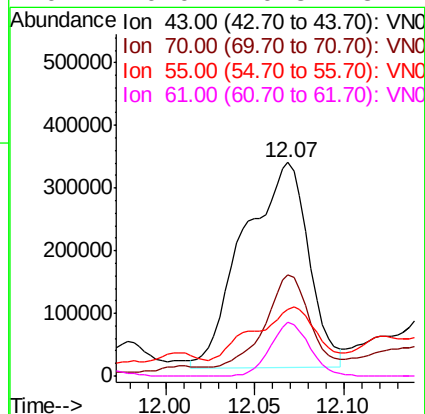
Ion Ratio Lower Upper

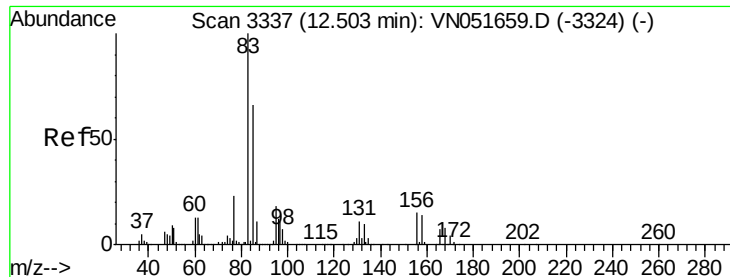
43 100

70 30.3 37.1 55.7#

55 30.2 19.1 28.7#

61 16.0 20.8 31.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 51.309 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

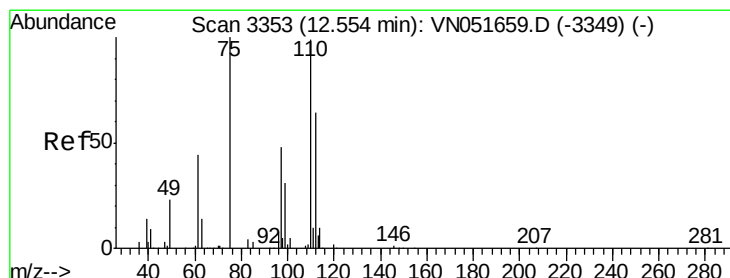
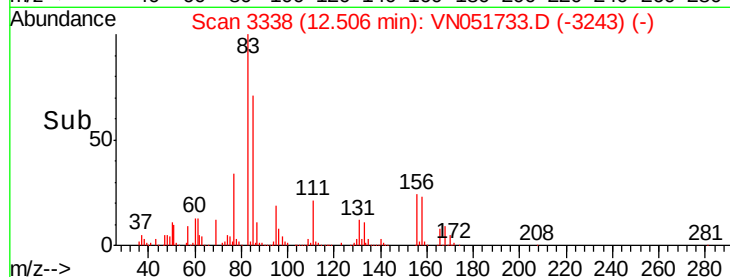
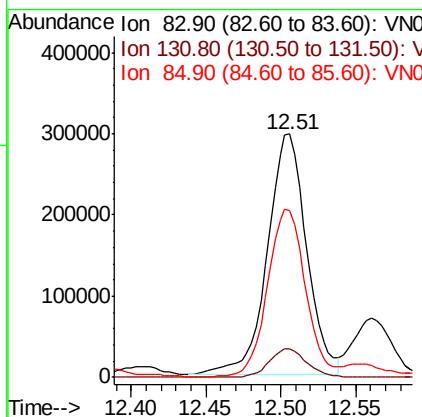
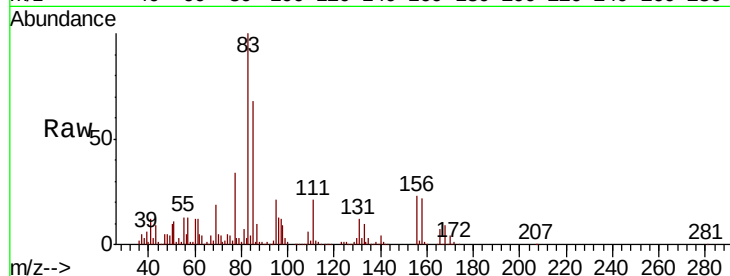
ClientSampleId :

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

Tot Ion:	83	Resp:	538878
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	67.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 50.842 ug/l m

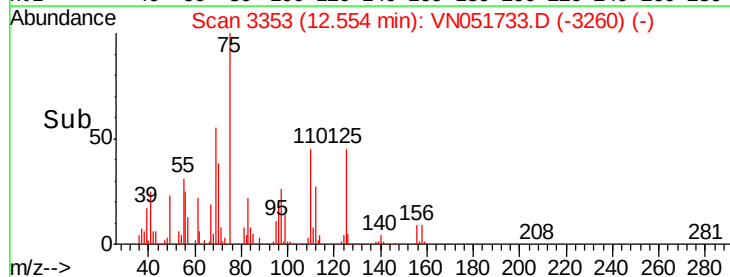
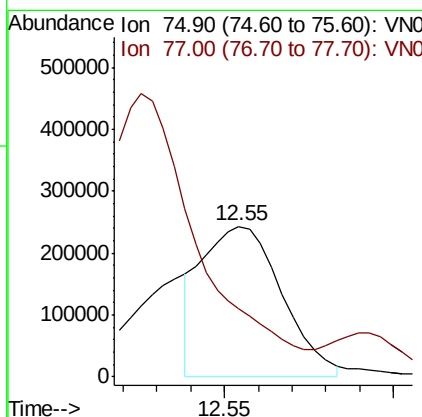
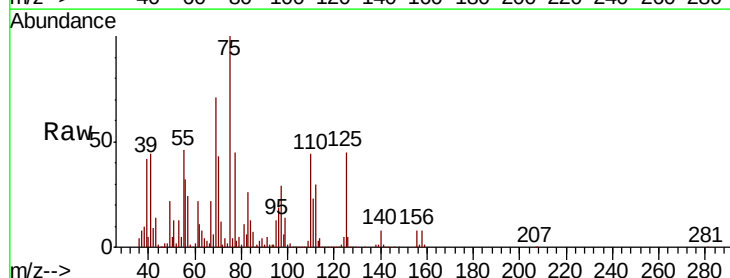
RT: 12.55 min Scan# 3353

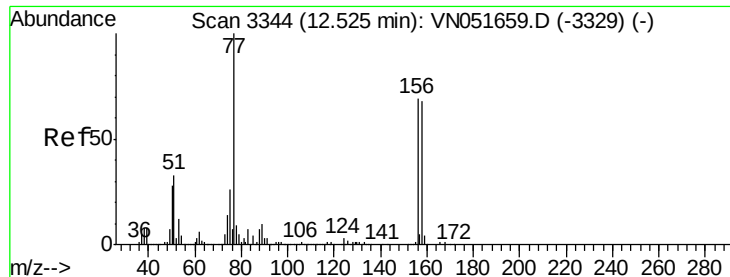
Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion:	75	Resp:	401680
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.255 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

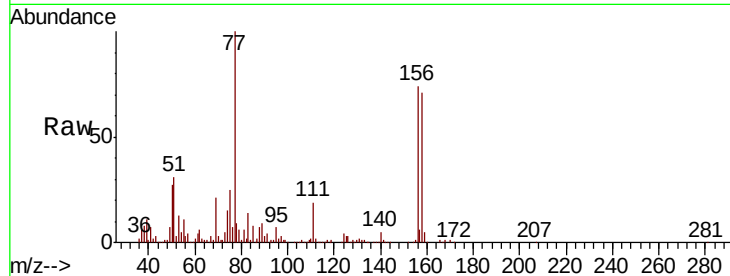
ClientSampleId :

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

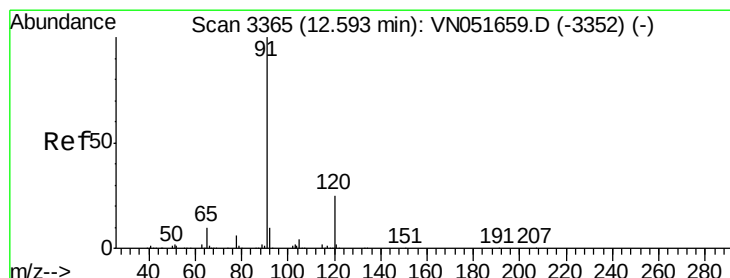
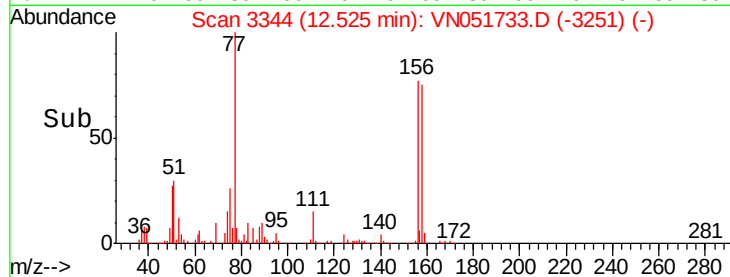
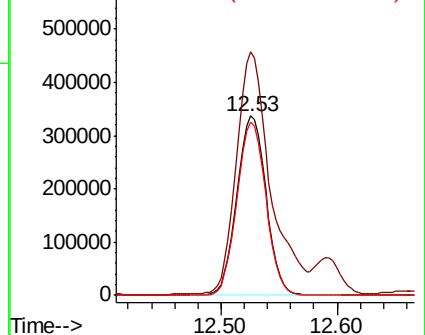
Tot Ion:	156	Resp:	587311
Ion Ratio	Lower	Upper	
156	100		
77	159.1	83.2	249.4
158	95.7	49.0	147.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.333 ug/l

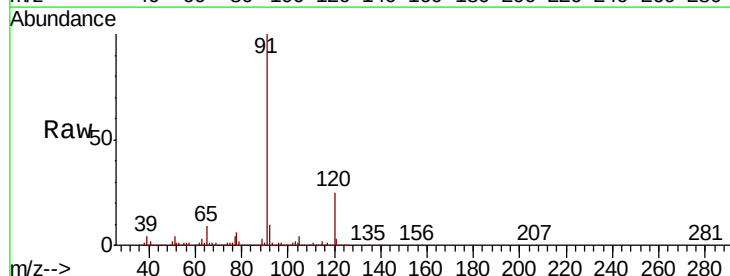
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

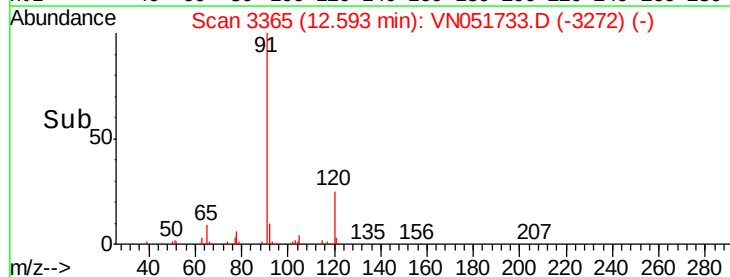
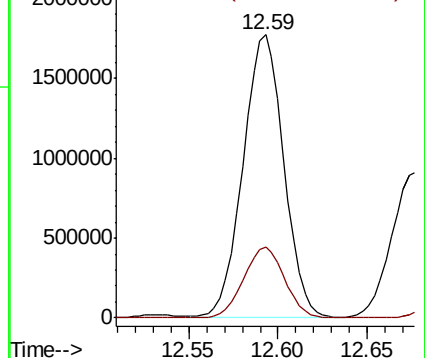
Lab File: VN051733.D

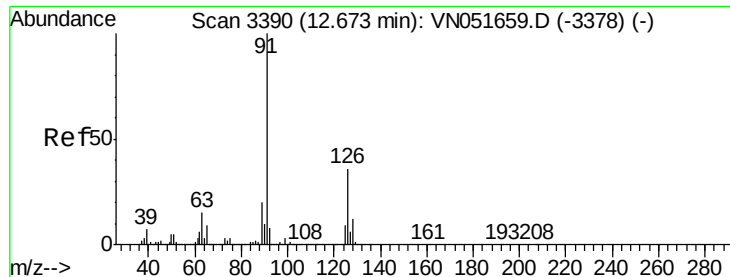
Acq: 8 Oct 2018 14:10

Tgt Ion:	91	Resp:	2802078
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.194 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 91 Resp: 1507027

Ion Ratio Lower Upper

91 100

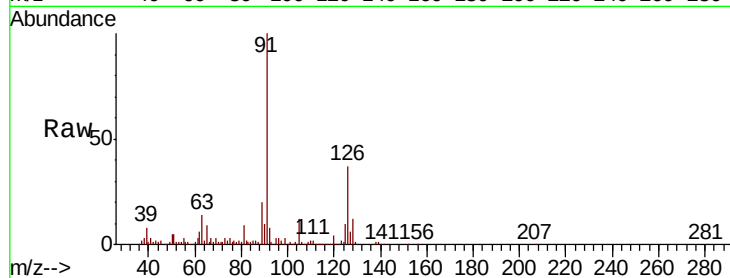
126 37.1 18.5 55.5

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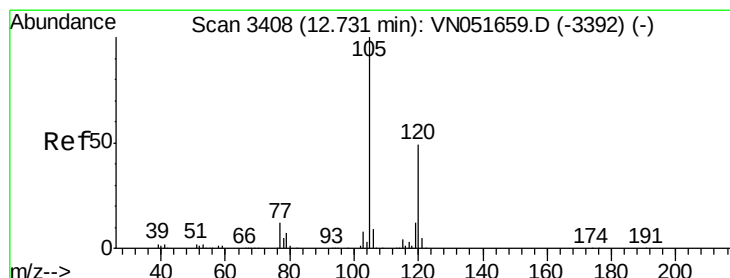
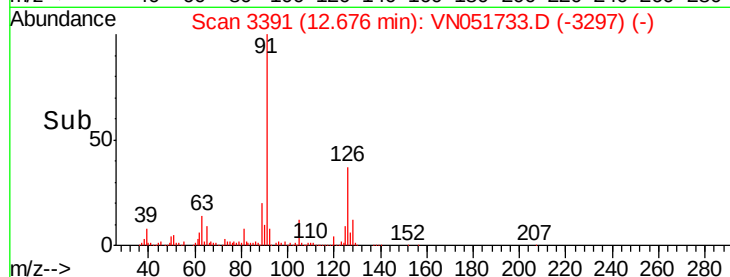
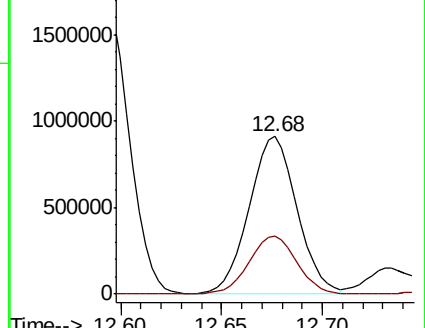
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Abundance Ion 91.00 (90.70 to 91.70): VN051733.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN051733.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.463 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051733.D

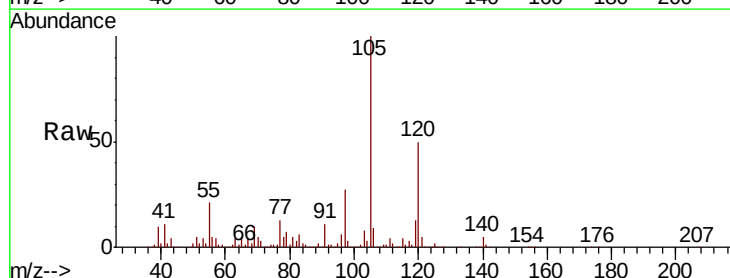
Acq: 8 Oct 2018 14:10

Tgt Ion:105 Resp: 2125223

Ion Ratio Lower Upper

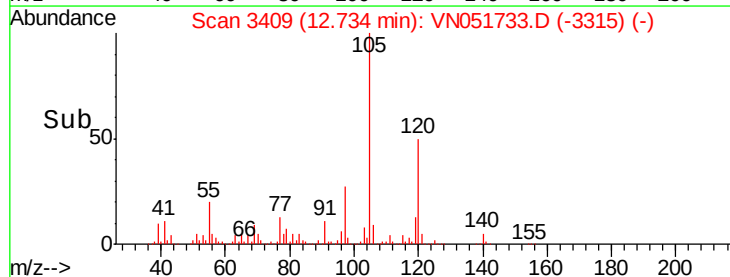
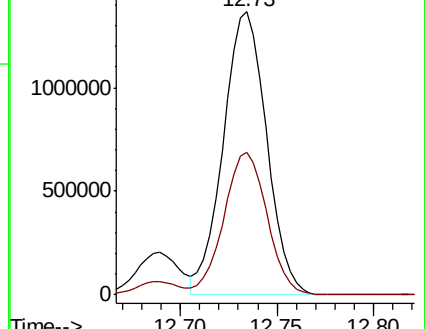
105 100

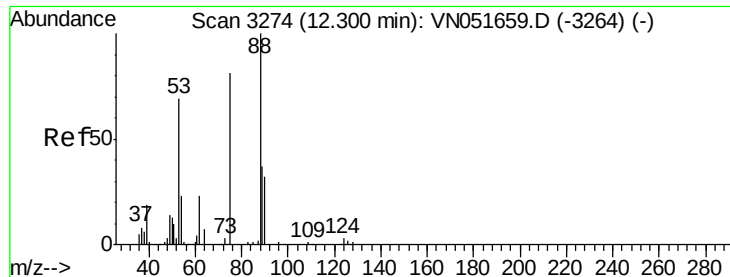
120 50.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051733.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN051733.D (-3409) (-)





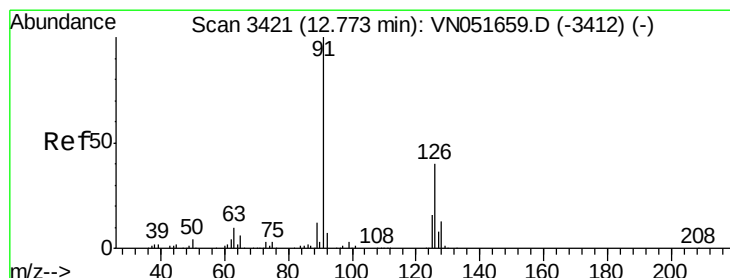
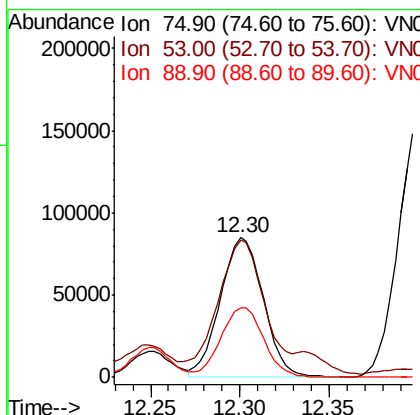
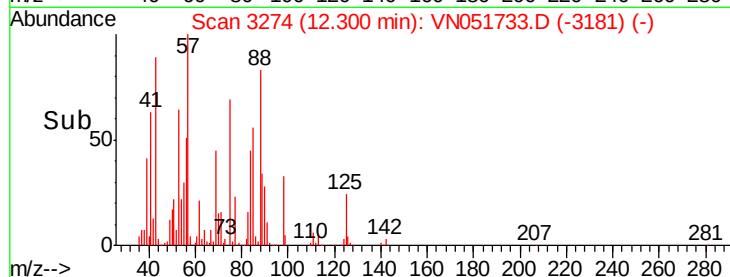
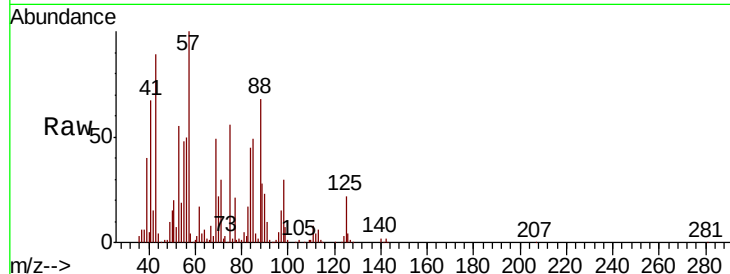
#81
trans-1,4-Dichloro-2-butene
Concen: 40.979 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.3	68.6	102.8
89	50.4	39.4	59.2

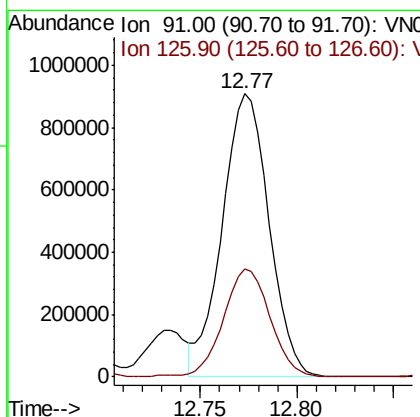
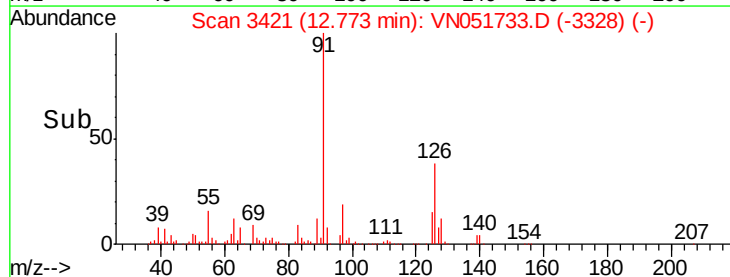
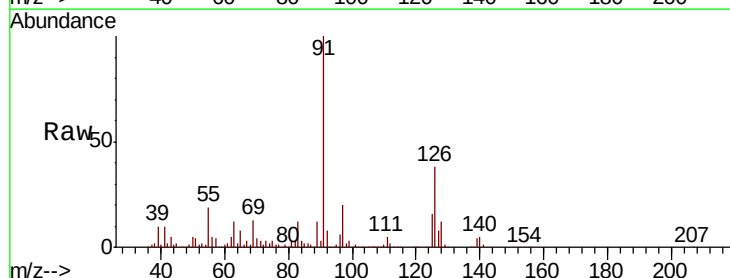
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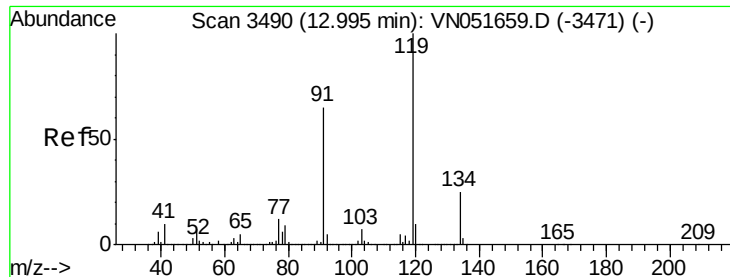
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#82
4-Chlorotoluene
Concen: 43.343 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.0	54.0





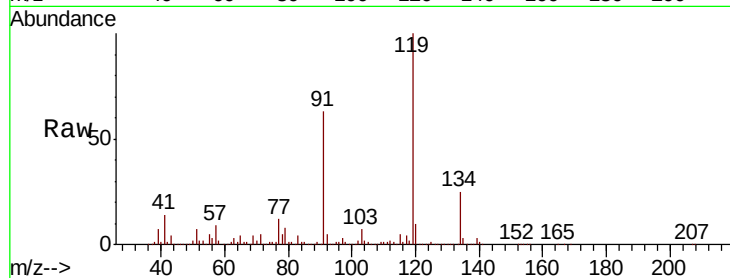
#83
 tert-Butylbenzene
 Concen: 45.507 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	32.1	96.5
134	26.6	13.3	39.9

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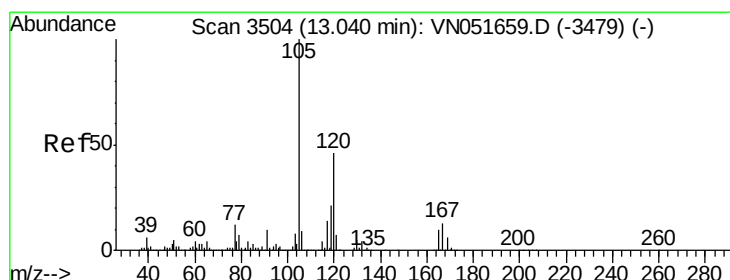
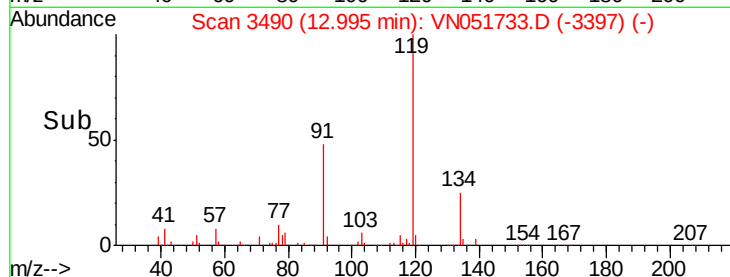
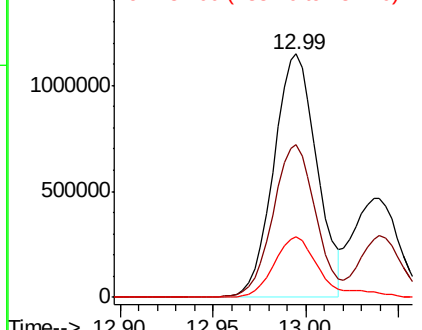


Abundance

Ion 119.00 (118.70 to 119.70): V

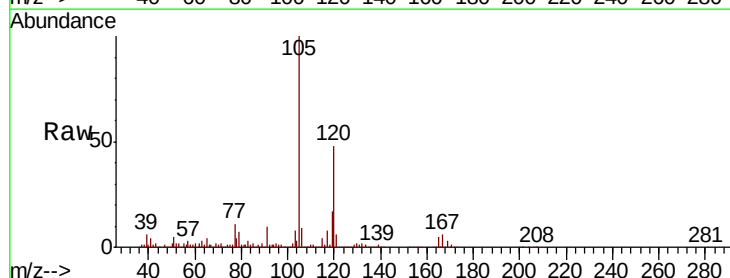
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 96.519 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

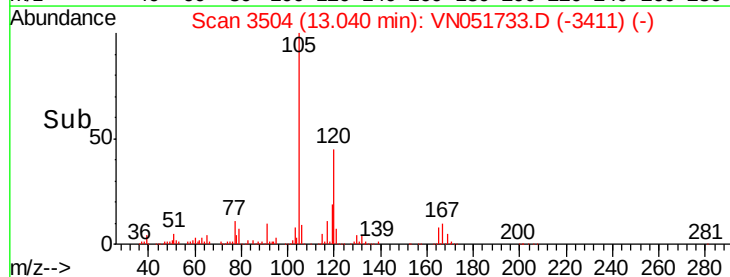
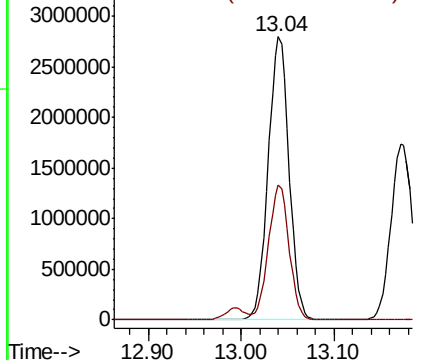
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.9	68.7

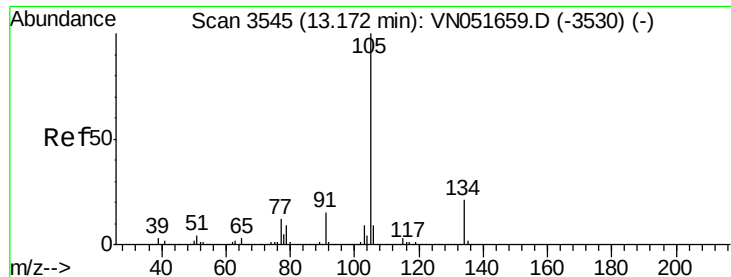


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.313 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:105 Resp: 2781926

Ion Ratio Lower Upper

105 100

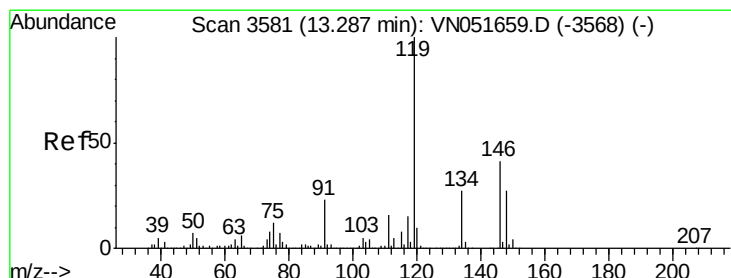
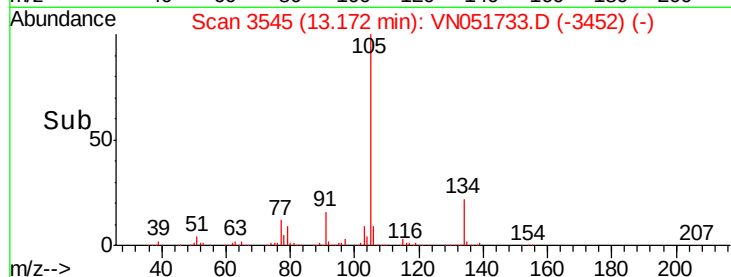
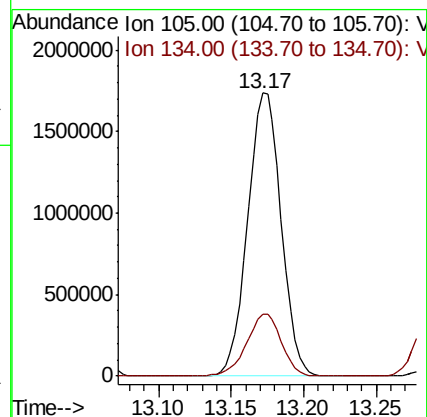
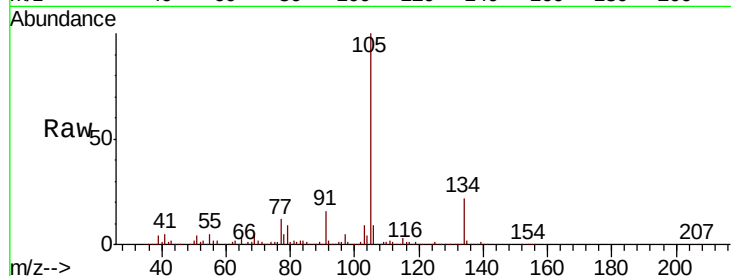
134 22.9 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 54.542 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

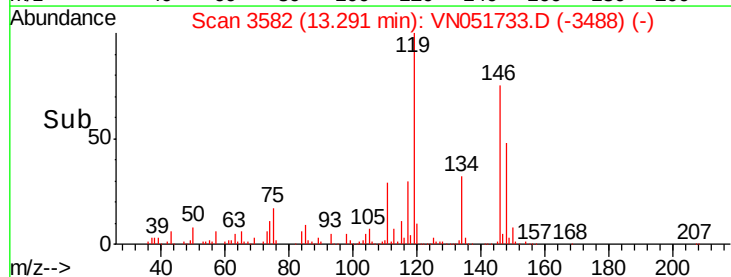
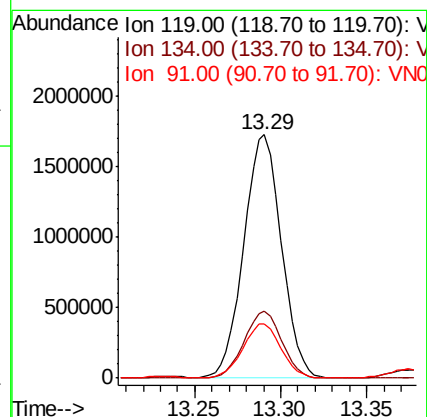
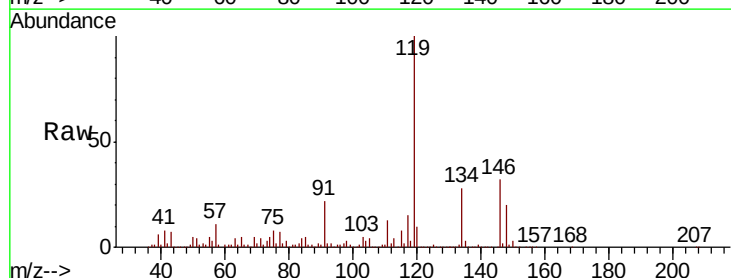
Tgt Ion:119 Resp: 2621372

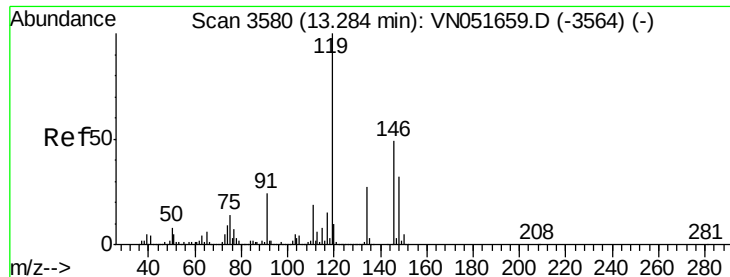
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 22.3 11.7 35.1





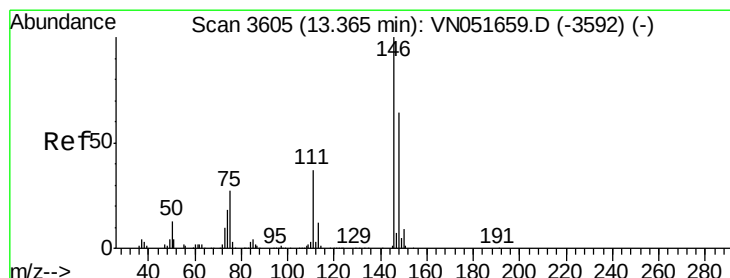
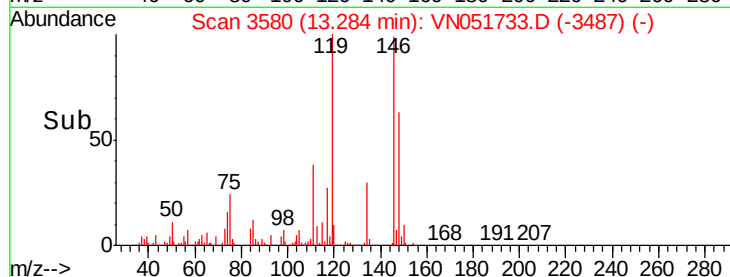
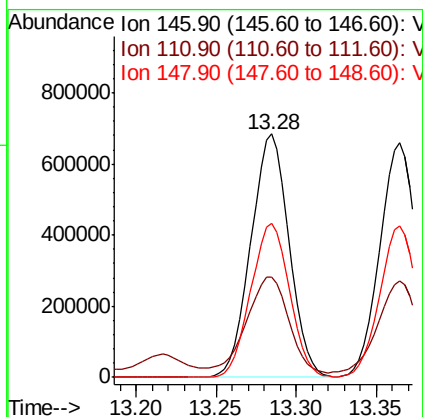
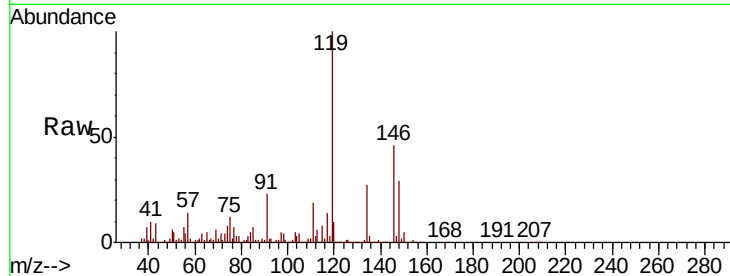
#87
 1,3-Dichlorobenzene
 Concen: 48.521 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.3	57.9
148	64.1	32.5	97.5

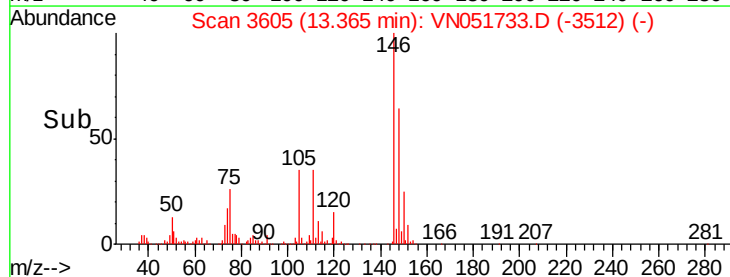
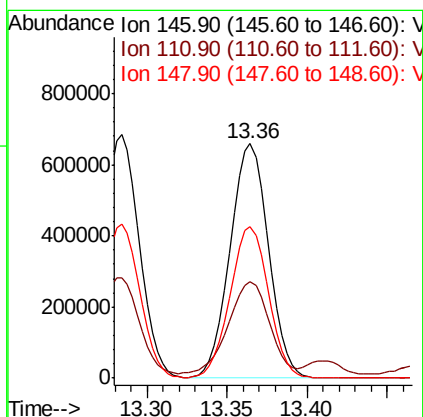
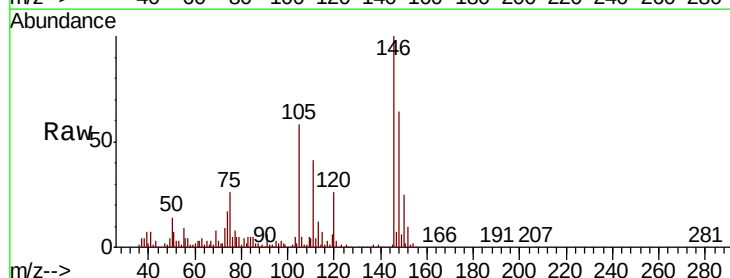
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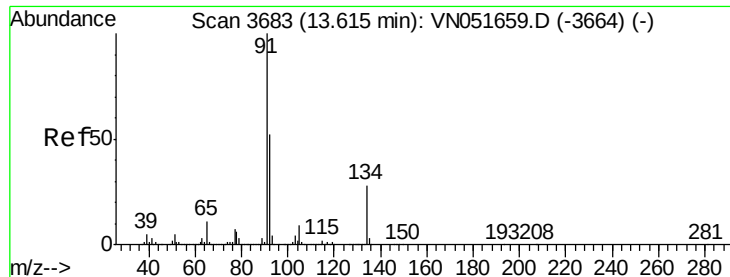
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#88
 1,4-Dichlorobenzene
 Concen: 47.394 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	18.6	55.8
148	64.7	32.3	96.8





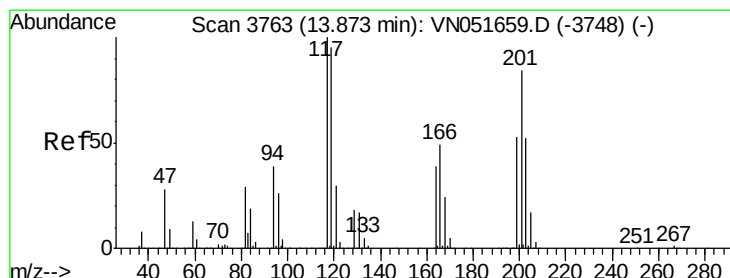
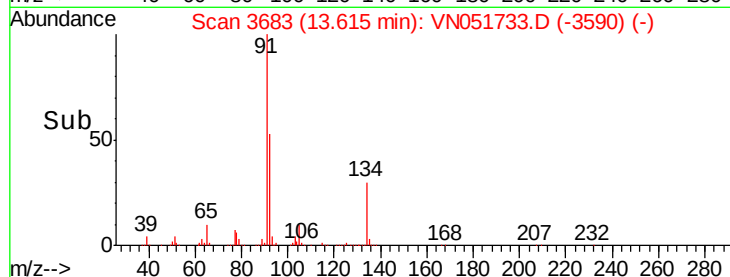
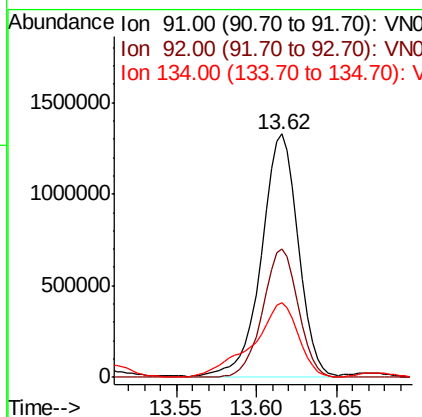
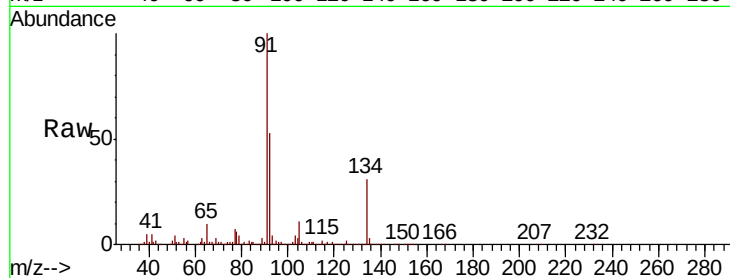
#89
n-Butylbenzene
Concen: 55.074 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

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

Tot Ion: 91 Resp: 2092863
Ion Ratio Lower Upper
91 100
92 51.1 26.0 78.0
134 38.4 14.2 42.6

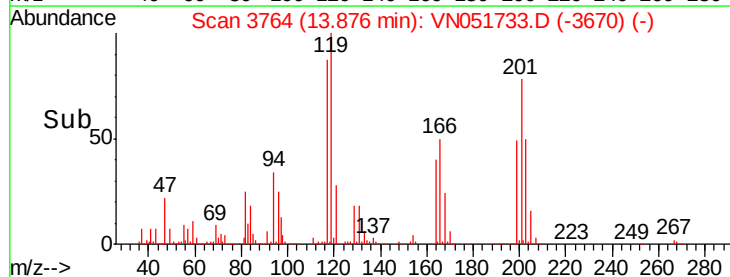
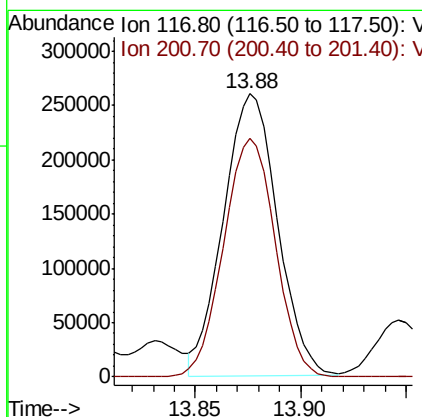
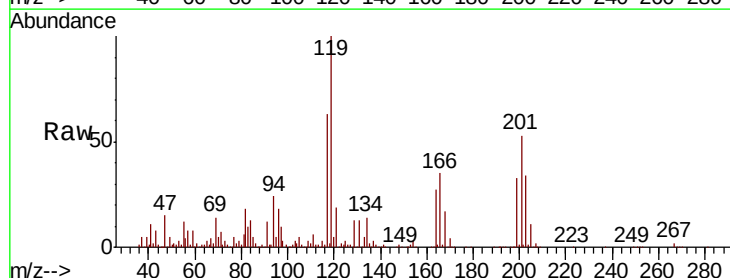
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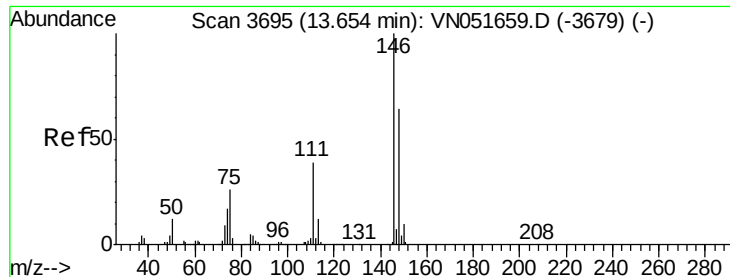
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#90
Hexachloroethane
Concen: 48.447 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051733.D
Acq: 8 Oct 2018 14:10

Tgt Ion: 117 Resp: 464563
Ion Ratio Lower Upper
117 100
201 80.4 42.4 127.3





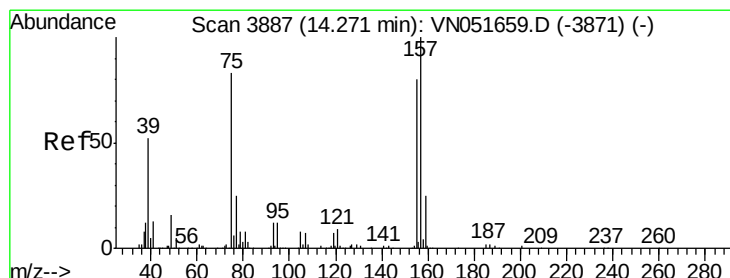
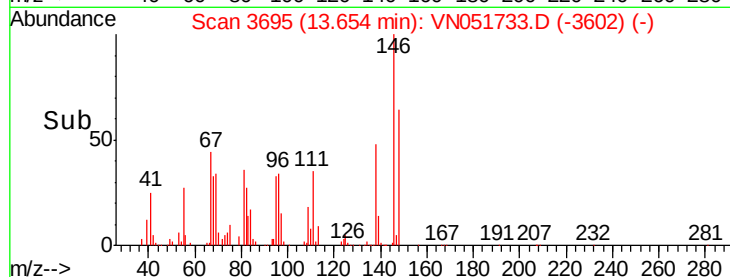
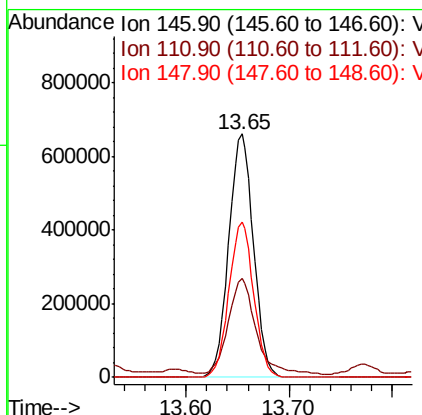
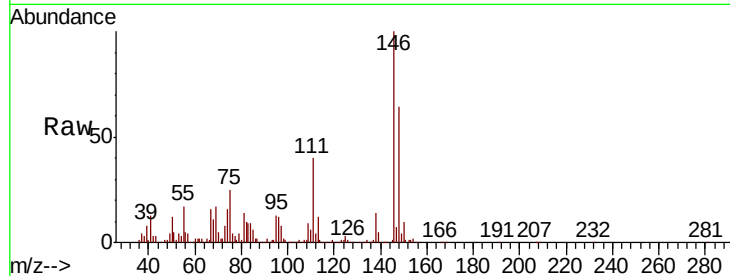
#91
 1,2-Dichlorobenzene
 Concen: 48.000 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	19.7	59.0
148	63.7	32.1	96.3

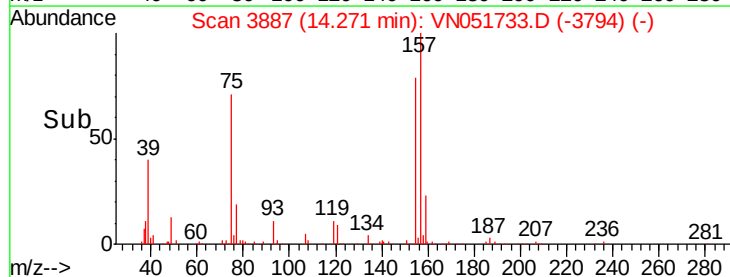
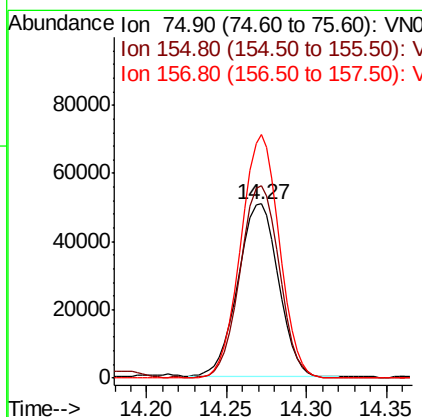
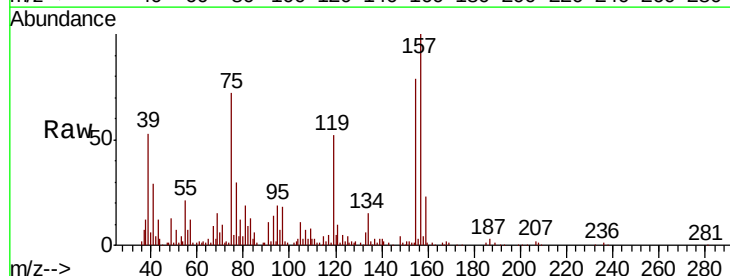
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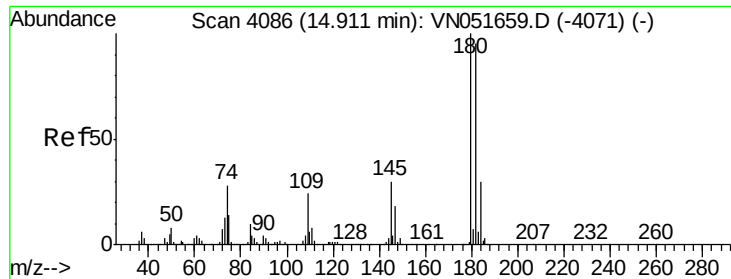
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.141 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.7	47.6	142.9
157	133.0	61.7	185.1





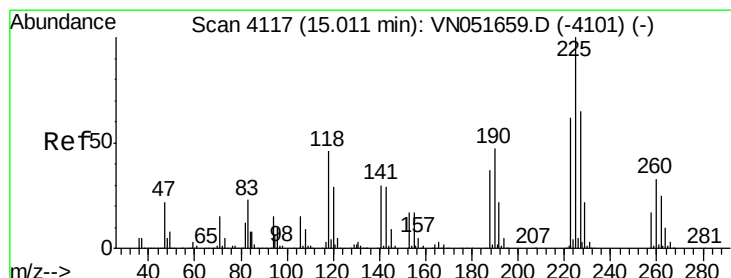
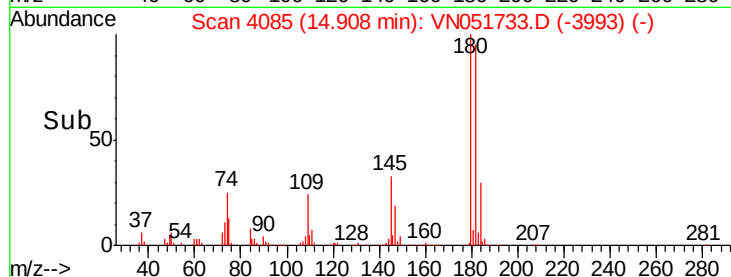
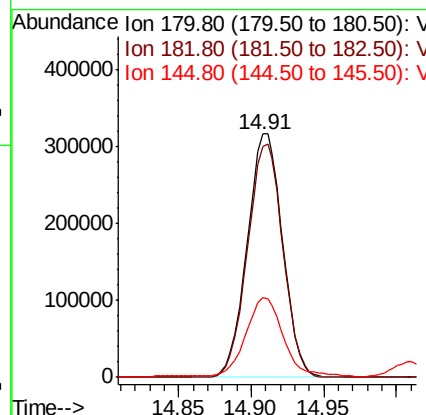
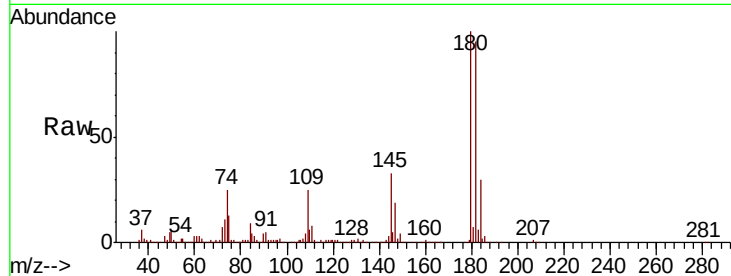
#93
 1,2,4-Trichlorobenzene
 Concen: 52.537 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.7	143.1
145	34.4	15.3	45.9

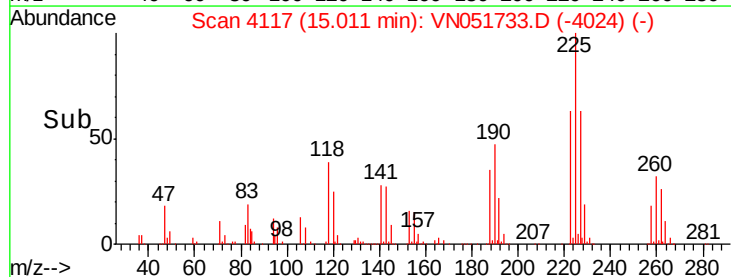
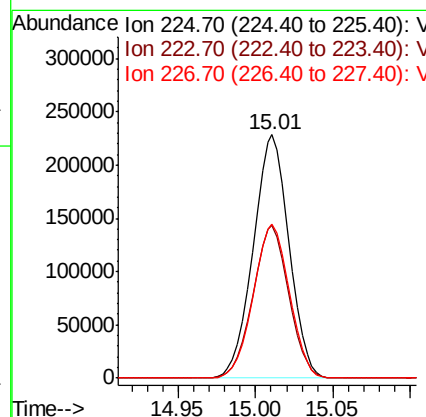
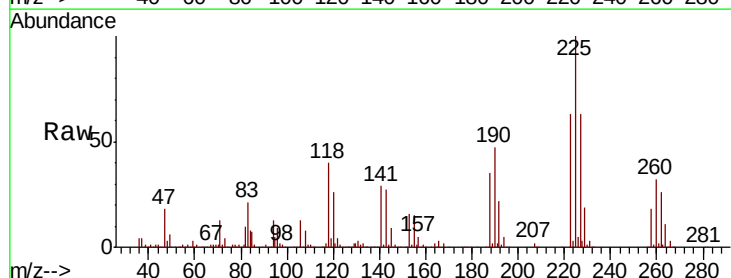
Manual Integrations
 APPROVED

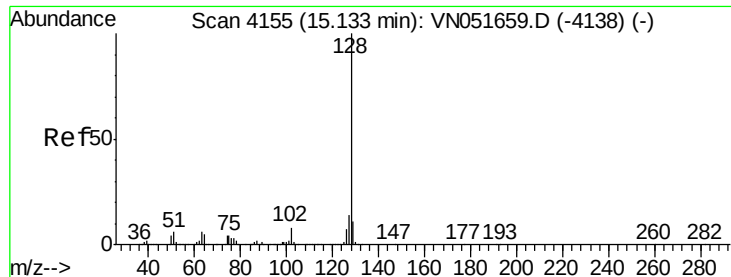
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 10/10/2018 11:48:37 AM



#94
 Hexachlorobutadiene
 Concen: 53.089 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051733.D
 Acq: 8 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.5
227	63.7	31.7	95.1





#95

Naphthalene

Concen: 52.518 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Instrument :

MSVOA_N

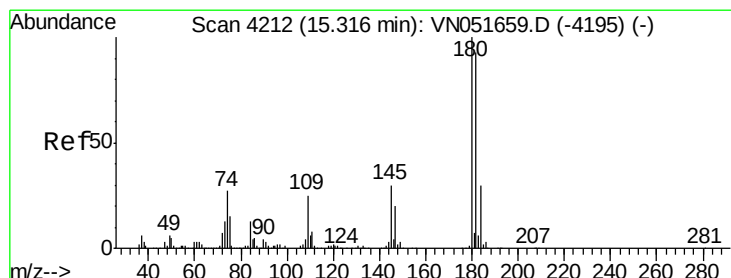
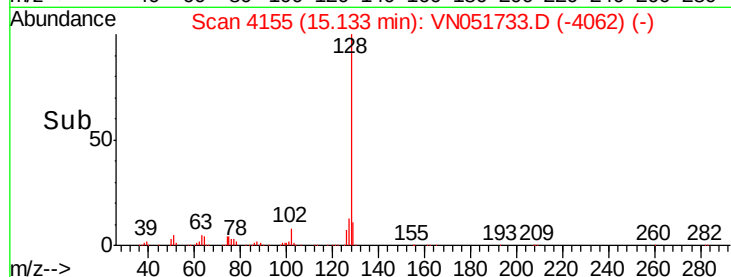
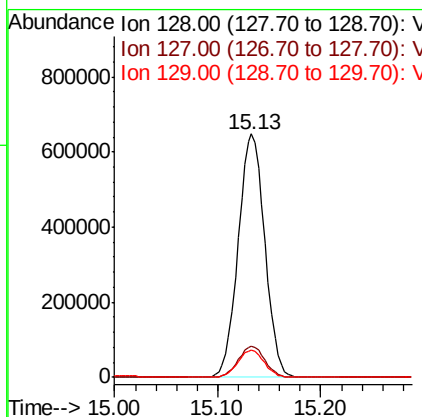
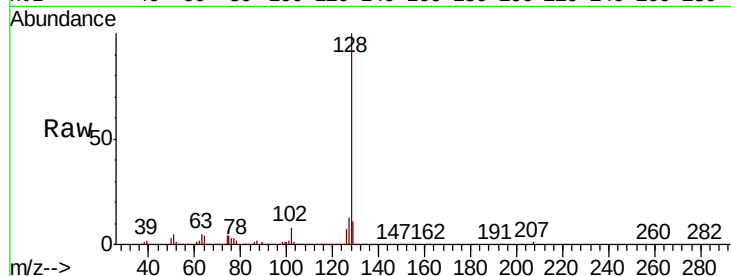
ClientSampleId :

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

Tot Ion:	128	Resp:	1160122
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.246 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051733.D

Acq: 8 Oct 2018 14:10

Tgt Ion:	180	Resp:	516283
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	32.1	15.6	46.8

