

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051782.D
 Acq On : 10 Oct 2018 11:37
 Operator : MD\SY
 Sample : J5165-08MSD 10X
 Misc : 5.88g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 28

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

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:51:14 PM

Quant Time: Oct 11 02:18:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	955902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	550624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	415563	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	7.59	113	401125	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.09	98	1468722	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	528419	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	376302	44.730	ug/l	98
3) Chloromethane	2.06	50	329391	42.789	ug/l	99
4) Vinyl Chloride	2.18	62	511546	42.184	ug/l	99
5) Bromomethane	2.55	94	442566	47.457	ug/l	98
6) Chloroethane	2.69	64	353651	43.392	ug/l	99
7) Trichlorofluoromethane	3.00	101	695411	55.225	ug/l	99
8) Diethyl Ether	3.41	74	178865	50.617	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	334475	49.626	ug/l	97
10) Methyl Iodide	3.95	142	470202	52.635	ug/l	100
11) Tert butyl alcohol	4.80	59	155979	257.554	ug/l	99
12) 1,1-Dichloroethene	3.73	96	305096	48.568	ug/l	92
13) Acrolein	3.61	56	53694	130.919	ug/l	98
14) Allyl chloride	4.32	41	411808	42.981	ug/l	97
15) Acrylonitrile	4.99	53	536058	256.505	ug/l	99
16) Acetone	3.82	43	376797	252.915	ug/l	98
17) Carbon Disulfide	4.05	76	793715	41.567	ug/l	98
18) Methyl Acetate	4.33	43	274120	55.732	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	1019042	49.145	ug/l	98
20) Methylene Chloride	4.55	84	364660	49.738	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	360831	48.472	ug/l	92
22) Diisopropyl ether	5.96	45	921027	44.845	ug/l	95
23) Vinyl Acetate	5.90	43	3351826	221.955	ug/l	94
24) 1,1-Dichloroethane	5.85	63	619191	46.877	ug/l	99
25) 2-Butanone	6.84	43	617100	239.817	ug/l	95
26) 2,2-Dichloropropane	6.82	77	616625	46.584	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	441871	51.133	ug/l	93
28) Bromochloromethane	7.19	49	253508	43.351	ug/l	82
29) Tetrahydrofuran	7.21	42	392226	248.386	ug/l	92
30) Chloroform	7.37	83	742110	50.004	ug/l	96
31) Cyclohexane	7.65	56	523099	43.242	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	713629	49.609	ug/l	97
36) 1,1-Dichloropropene	7.79	75	519954	49.766	ug/l	97
37) Ethyl Acetate	6.93	43	274309	50.340	ug/l	97
38) Carbon Tetrachloride	7.78	117	642081	51.215	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	657284	50.116	ug/l	95
40) Benzene	8.04	78	1561959	50.430	ug/l	98
41) Methacrylonitrile	7.18	41	134684	47.959	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	526398	50.430	ug/l	99
43) Isopropyl Acetate	8.17	43	555653	48.908	ug/l #	86
44) Trichloroethene	8.84	130	470901	53.545	ug/l	99
45) 1,2-Dichloropropane	9.12	63	367542	47.996	ug/l	99
46) Dibromomethane	9.21	93	284766	53.500	ug/l	98
47) Bromodichloromethane	9.40	83	592801	50.592	ug/l	99
48) Methyl methacrylate	9.20	41	261226	50.319	ug/l	95
49) 1,4-Dioxane	9.20	88	93278	1198.279	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1464471	254.382	ug/l	97
52) Toluene	10.16	92	1071404	52.009	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	593937	49.124	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	634006	49.381	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	393451	53.615	ug/l	98
56) Ethyl methacrylate	10.43	69	491519	52.964	ug/l	94
57) 1,3-Dichloropropane	10.71	76	617963	53.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	969099	252.316	ug/l	95
59) 2-Hexanone	10.75	43	986091	252.214	ug/l	97
60) Dibromochloromethane	10.90	129	503271	52.405	ug/l	99
61) 1,2-Dibromoethane	11.01	107	421513	54.334	ug/l	98
64) Tetrachloroethene	10.63	164	455484	54.009	ug/l	99
65) Chlorobenzene	11.43	112	1249950	52.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	485248	51.190	ug/l	98
67) Ethyl Benzene	11.51	91	2116175	51.715	ug/l	100
68) m/p-Xylenes	11.62	106	1714922	104.742	ug/l	98
69) o-Xylene	11.95	106	845891	52.681	ug/l	98
70) Styrene	11.96	104	1345145	52.574	ug/l	98
71) Bromoform	12.13	173	349242	49.532	ug/l #	98
73) Isopropylbenzene	12.25	105	2281834	48.614	ug/l	100
74) N-amyl acetate	12.07	43	493093	50.887	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	501855	55.577	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	407449m	60.408	ug/l	
77) Bromobenzene	12.53	156	573528	49.973	ug/l	95
78) n-propylbenzene	12.59	91	2501409	48.860	ug/l	100
79) 2-Chlorotoluene	12.68	91	1462946	48.487	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1927440	48.727	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	135582	45.263	ug/l	98
82) 4-Chlorotoluene	12.77	91	1485607	49.013	ug/l	99
83) tert-Butylbenzene	12.99	119	1776125	50.111	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	2136502	53.923	ug/l	99
85) sec-Butylbenzene	13.17	105	2376458	50.688	ug/l	100
86) p-Isopropyltoluene	13.29	119	2152014	51.776	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1066210	53.315	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	1027550	52.202	ug/l	99
89) n-Butylbenzene	13.62	91	1715881	52.213	ug/l	99
90) Hexachloroethane	13.88	117	386326	46.586	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1045030	52.566	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81945	49.699	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	515792	58.305	ug/l	99
94) Hexachlorobutadiene	15.01	225	332934	55.469	ug/l	98
95) Naphthalene	15.14	128	1064386	55.717	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	500350	57.429	ug/l	100

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

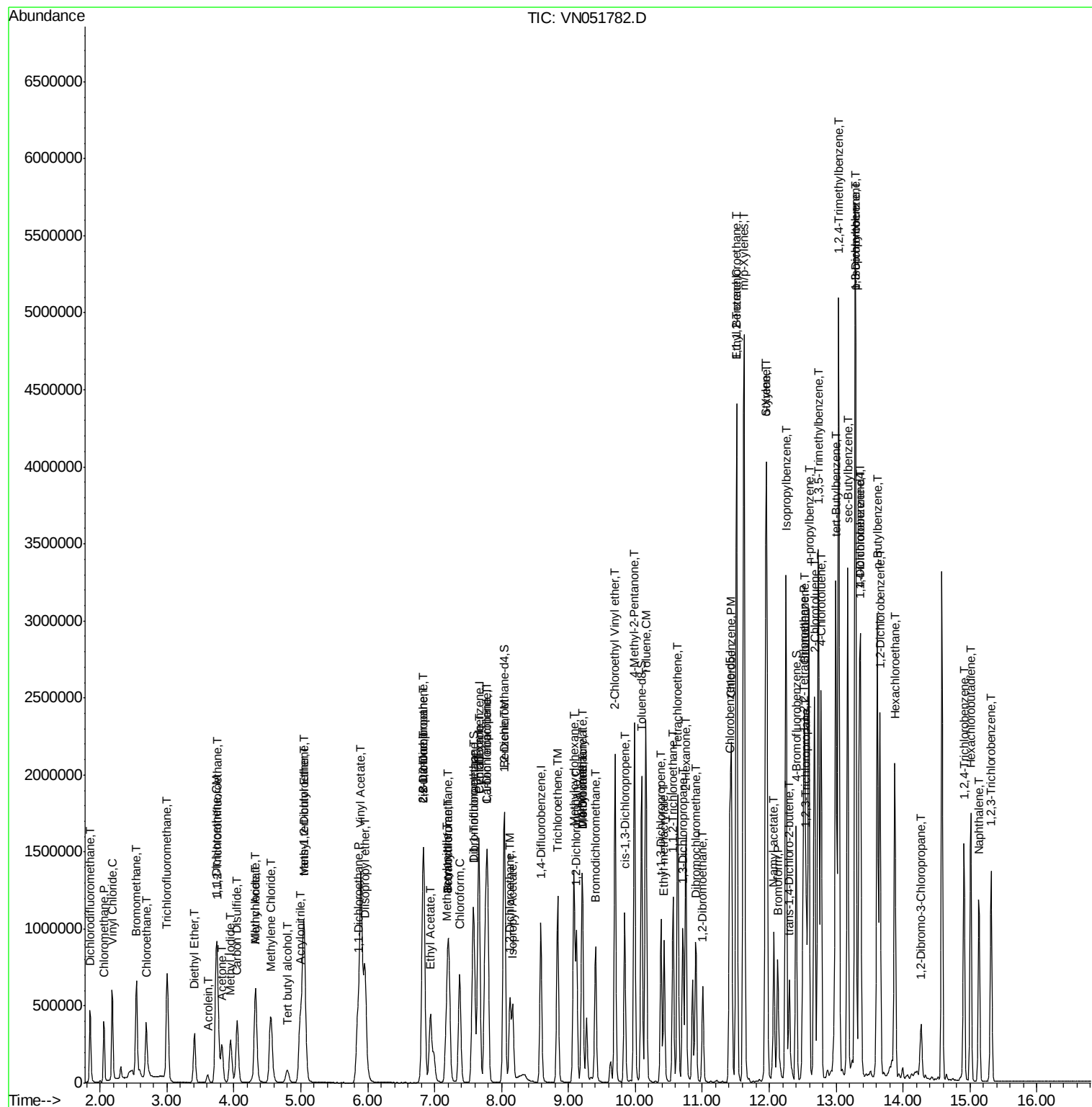
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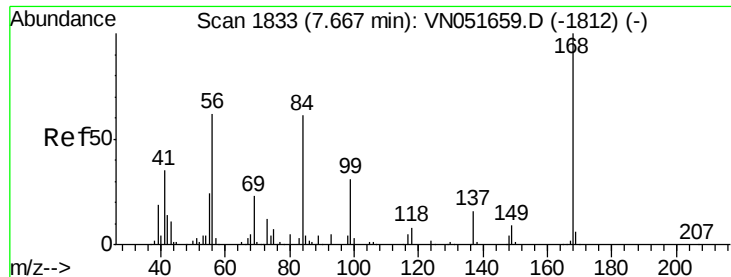
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:168 Resp: 674554

Ion Ratio Lower Upper

168 100

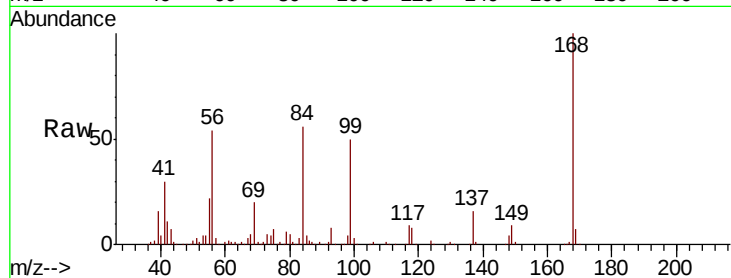
99 49.7 40.4 60.6

Manual Integrations

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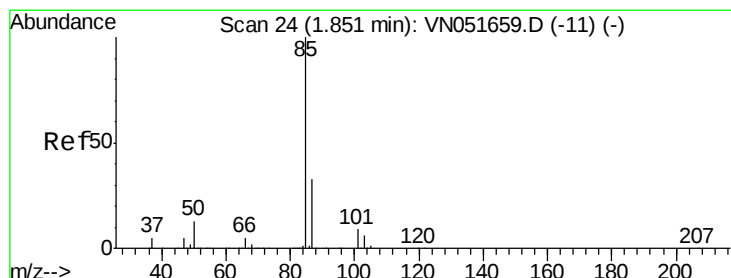
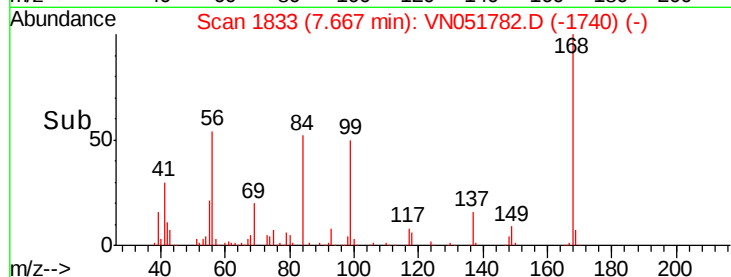
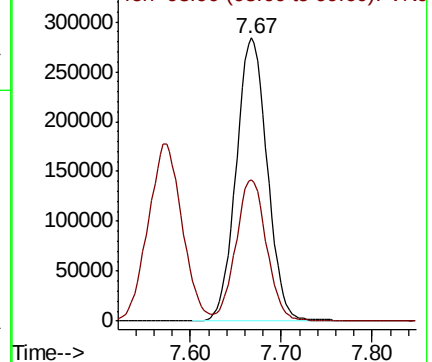
MMDadoda

10/11/2018 5:51:14 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 44.730 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051782.D

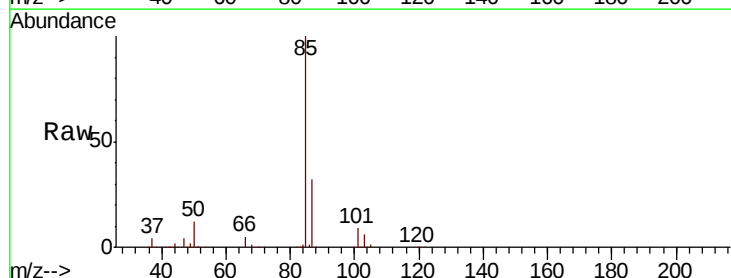
Acq: 10 Oct 2018 11:37

Tgt Ion: 85 Resp: 376302

Ion Ratio Lower Upper

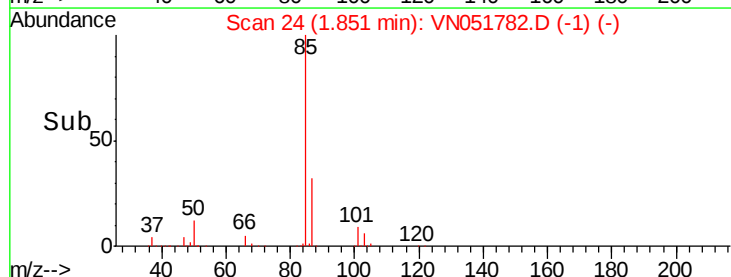
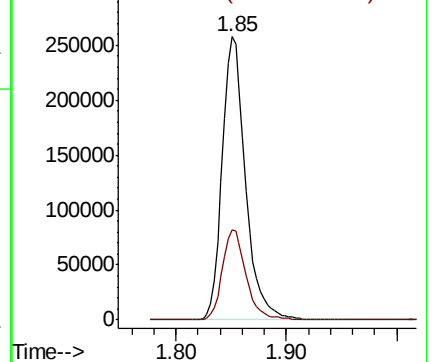
85 100

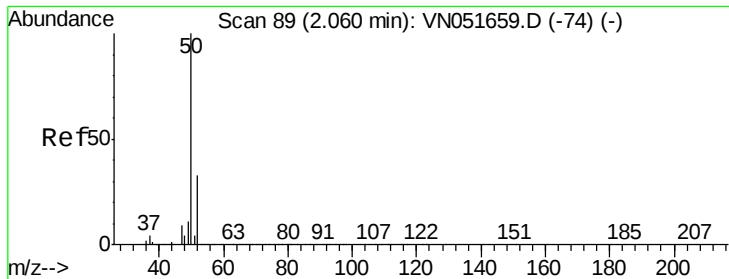
87 31.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 42.789 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 50 Resp: 329391

Ion Ratio Lower Upper

50 100

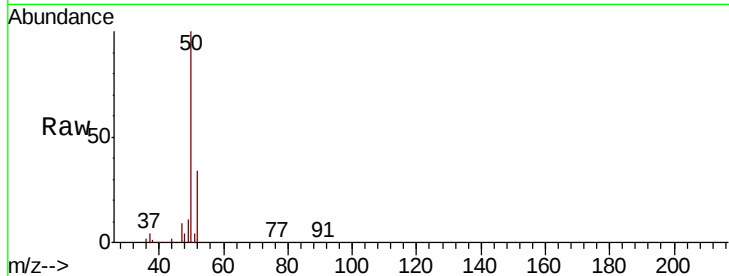
52 33.5 26.6 39.8

Manual Integrations

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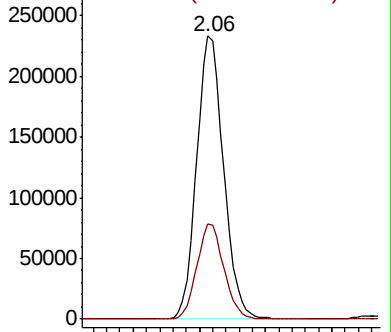
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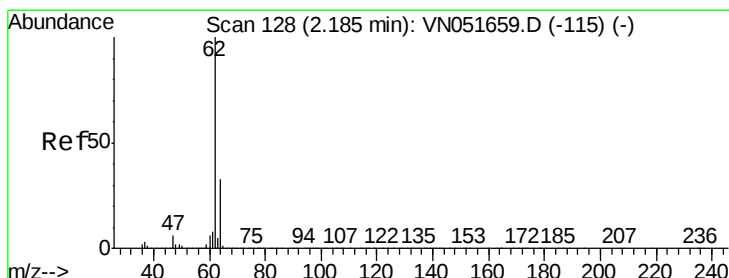
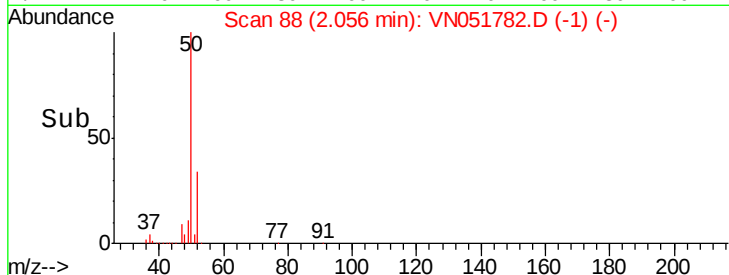


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 42.184 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051782.D

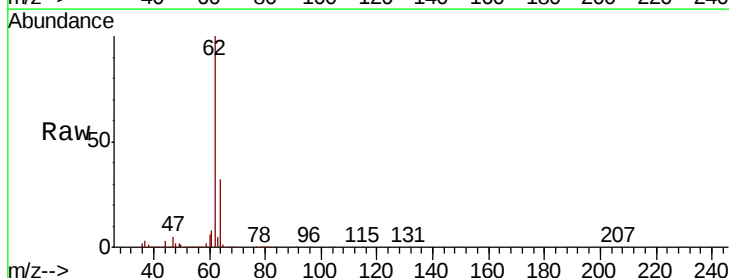
Acq: 10 Oct 2018 11:37

Tgt Ion: 62 Resp: 511546

Ion Ratio Lower Upper

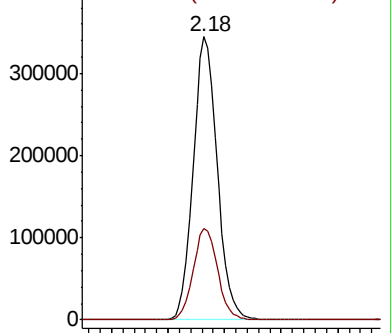
62 100

64 32.2 26.2 39.4

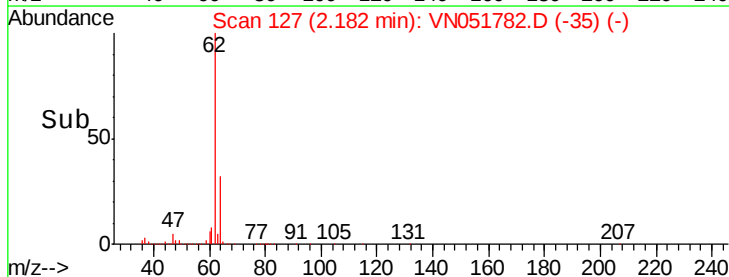


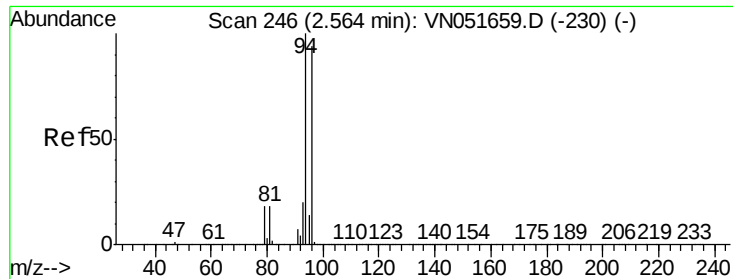
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 47.457 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN051782.D

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Tot Ion: 94 Resp: 442566

Ion Ratio Lower Upper

94 100

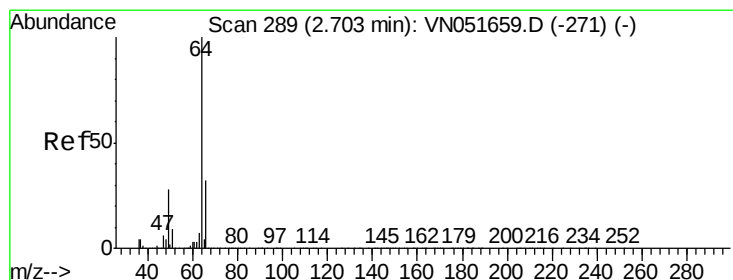
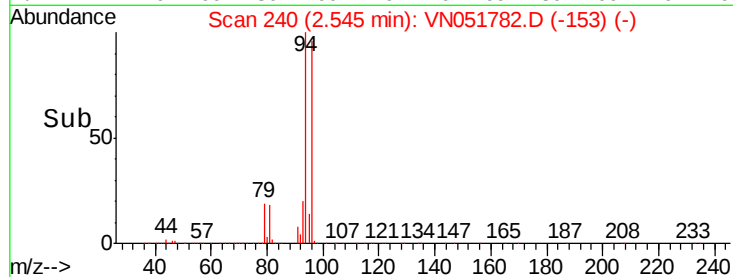
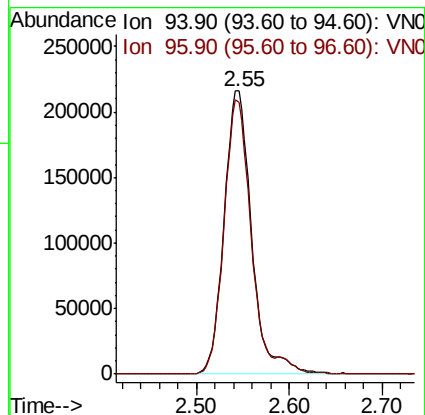
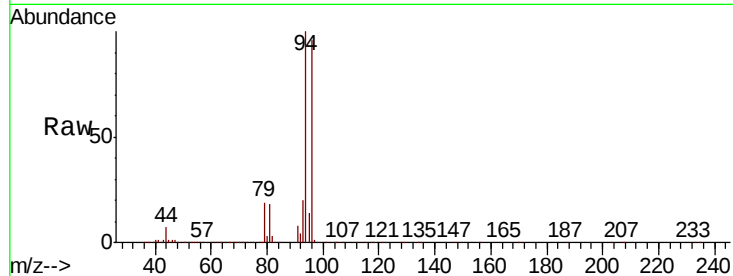
96 96.1 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 43.392 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051782.D

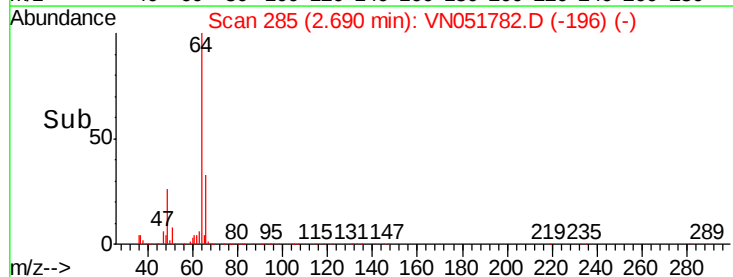
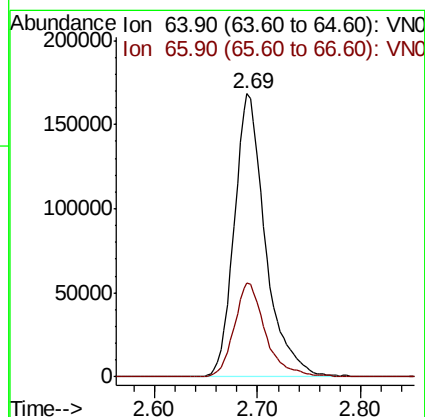
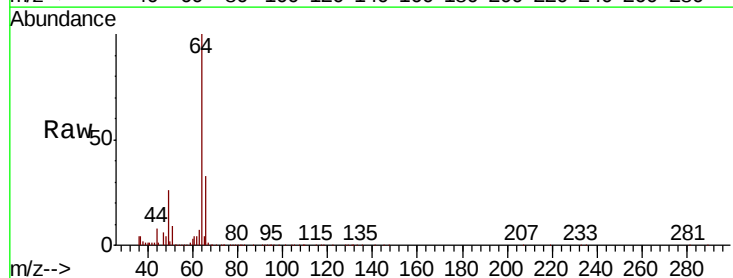
Acq: 10 Oct 2018 11:37

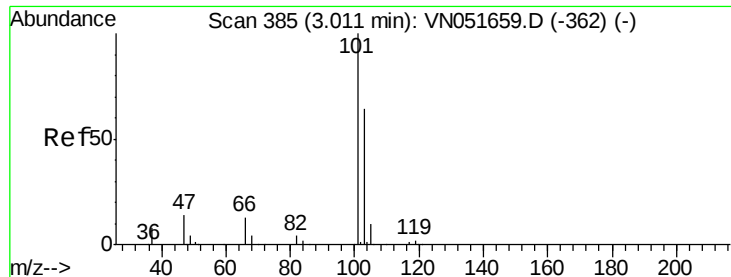
Tgt Ion: 64 Resp: 353651

Ion Ratio Lower Upper

64 100

66 33.1 26.0 39.0





#7

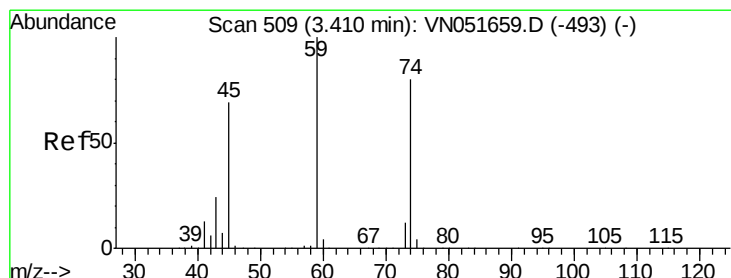
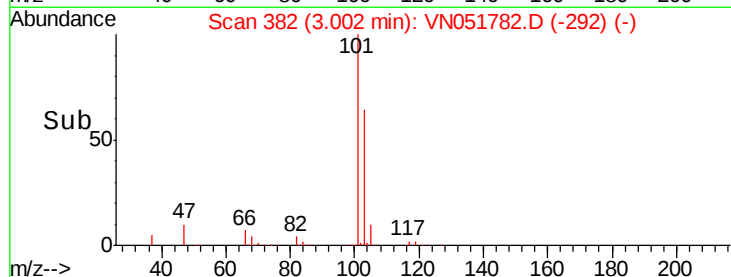
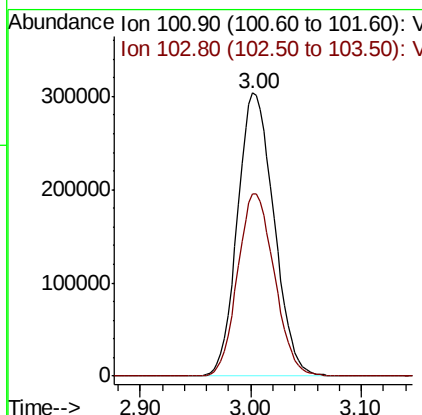
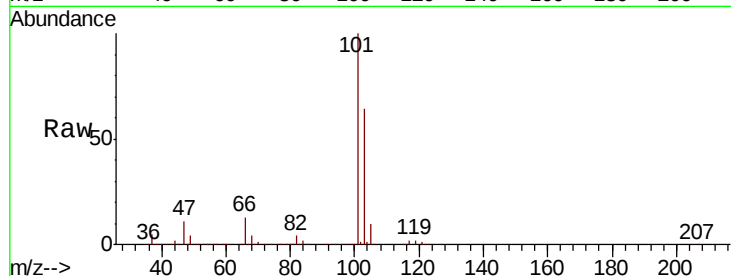
Trichlorofluoromethane
 Concen: 55.225 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN051782.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.1	76.7

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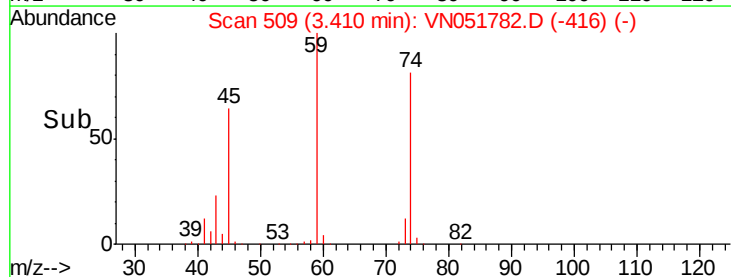
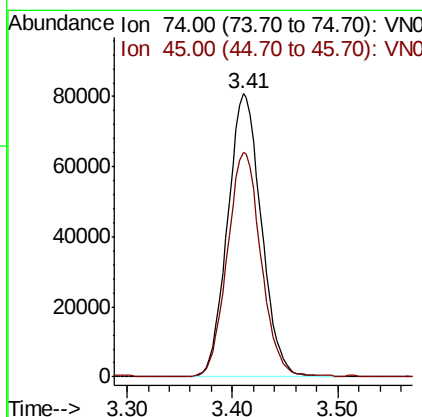
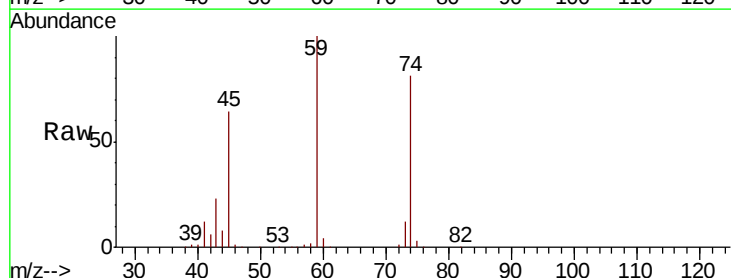
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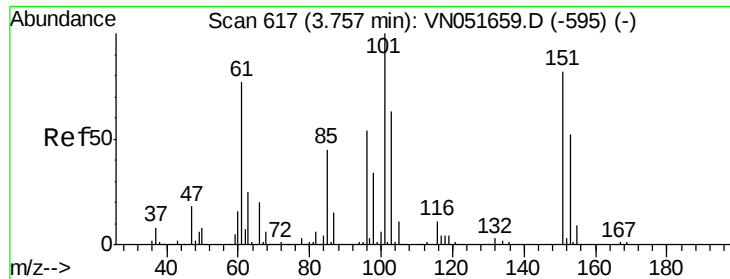


#8

Diethyl Ether
 Concen: 50.617 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.4	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.626 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

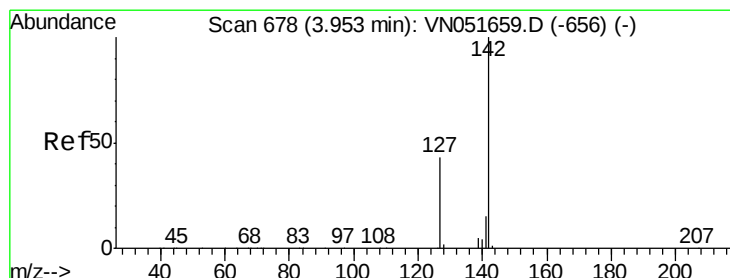
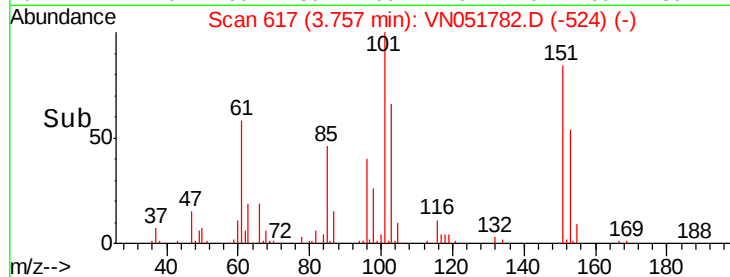
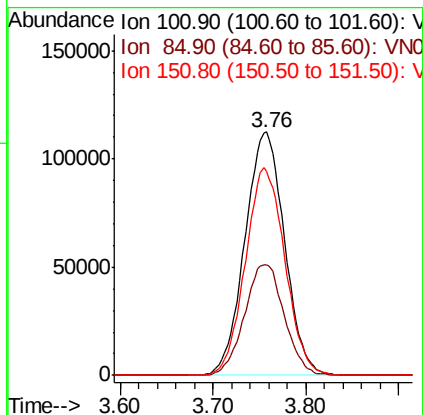
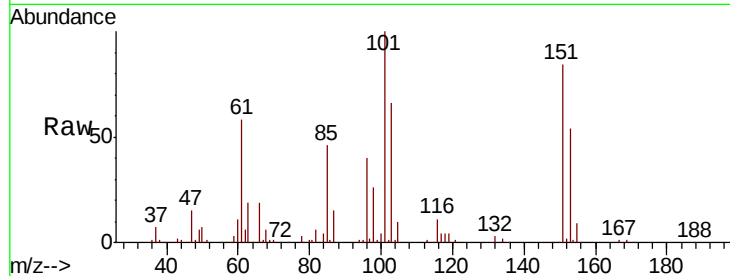
ClientSampleId :

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

Tot Ion:	101	Resp:	334475
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.6	53.4
151	84.9	65.5	98.3

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#10

Methyl Iodide

Concen: 52.635 ug/l

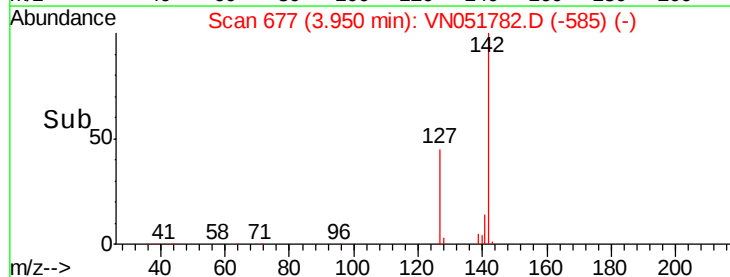
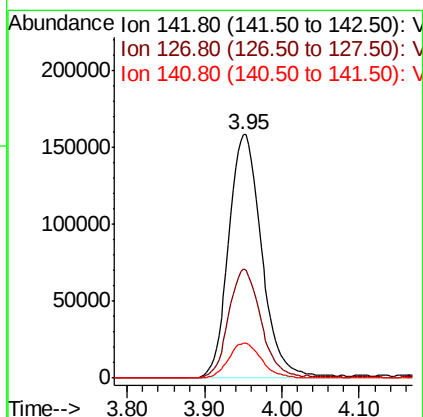
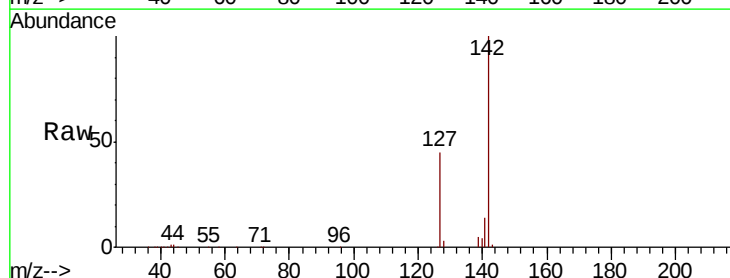
RT: 3.95 min Scan# 677

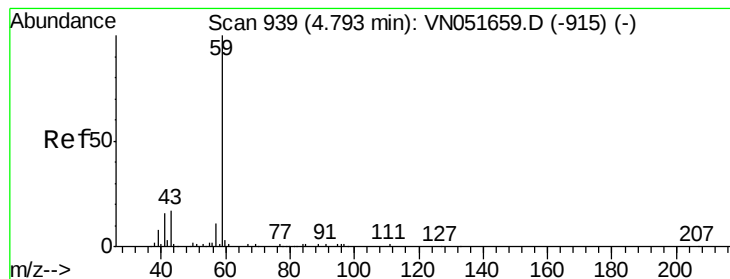
Delta R.T. -0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Tgt Ion:	142	Resp:	470202
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.7	52.1
141	14.5	11.4	17.2





#11

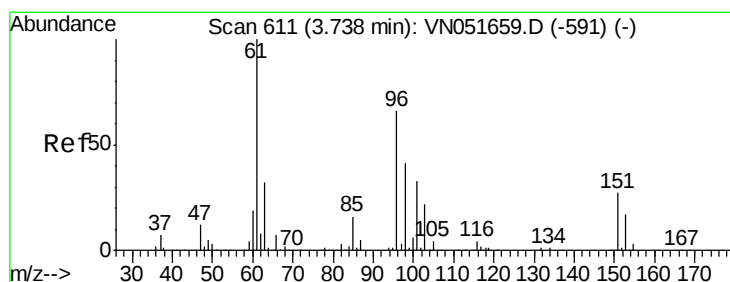
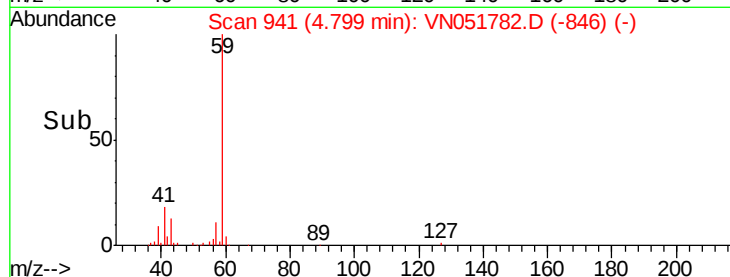
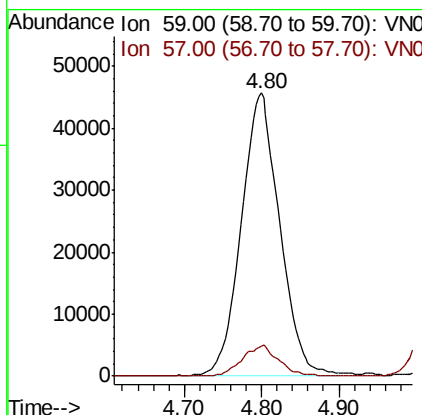
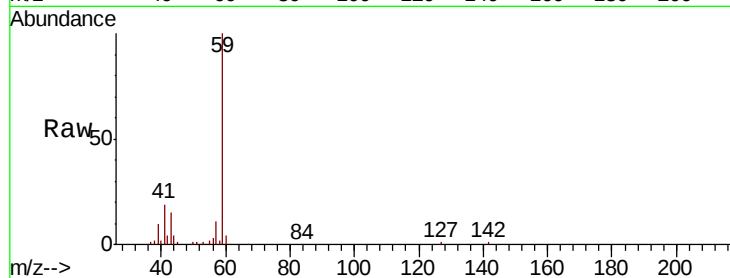
Tert butyl alcohol
 Concen: 257.554 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

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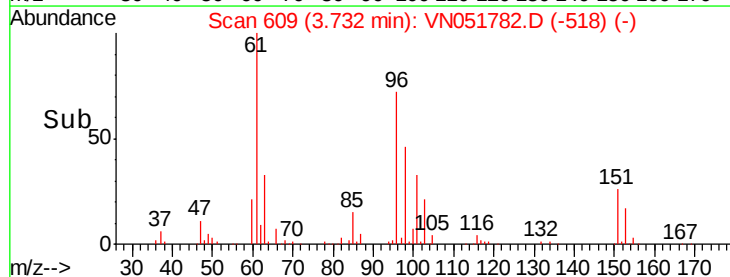
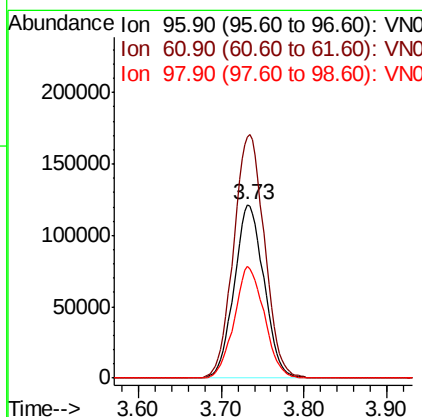
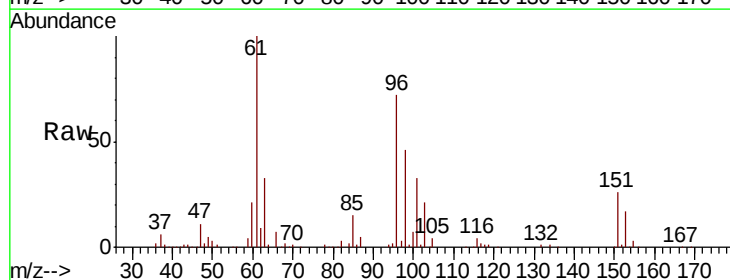
MMDadoda
 10/11/2018 5:51:14 PM



#12

1,1-Dichloroethene
 Concen: 48.568 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.0	121.4	182.0
98	64.1	49.9	74.9





#13

Acrolein

Concen: 130.919 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 56 Resp: 53694

Ion Ratio Lower Upper

56 100

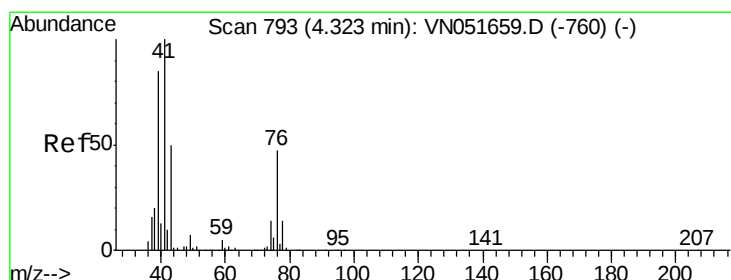
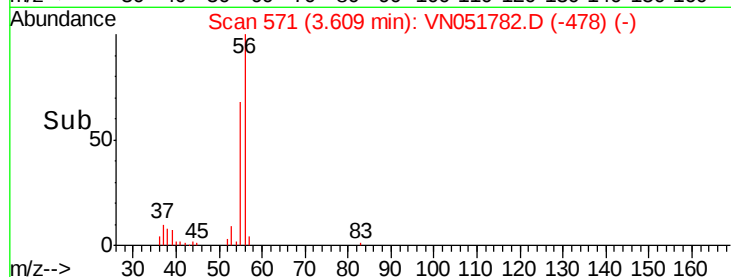
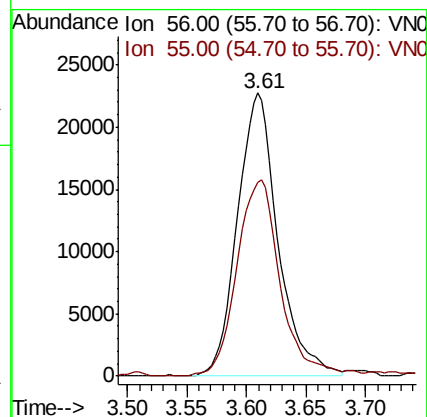
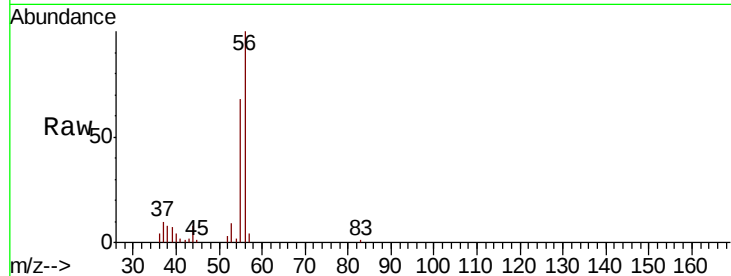
55 73.4 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 42.981 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

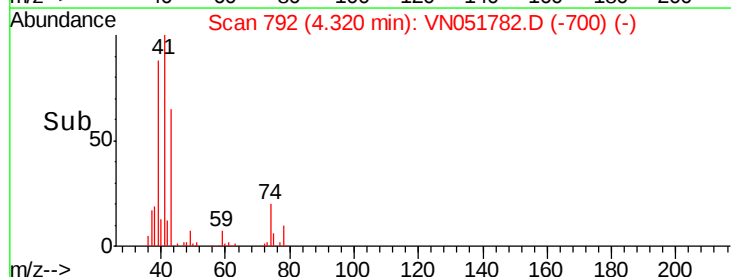
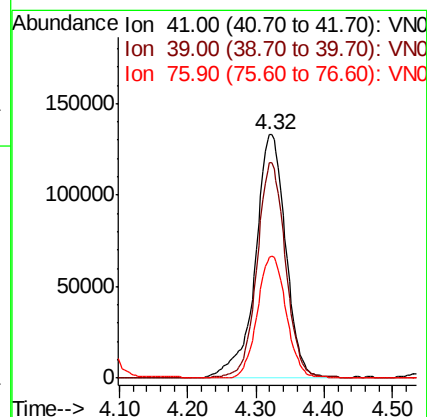
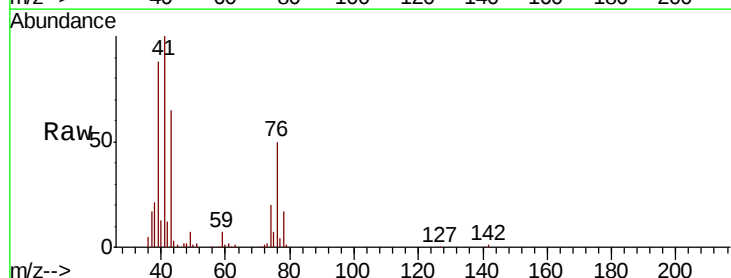
Tgt Ion: 41 Resp: 411808

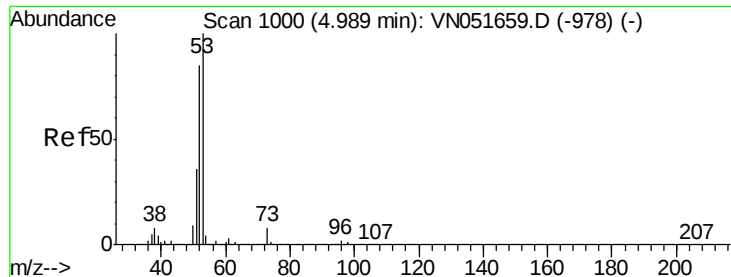
Ion Ratio Lower Upper

41 100

39 82.3 65.4 98.0

76 46.9 34.3 51.5





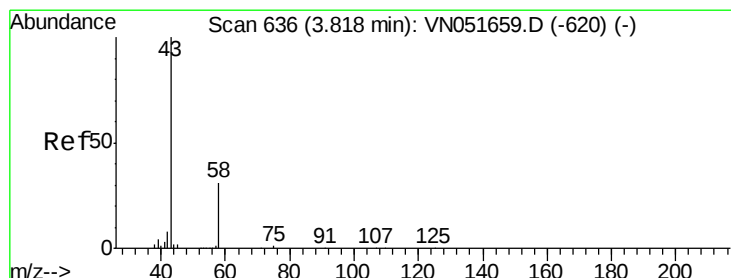
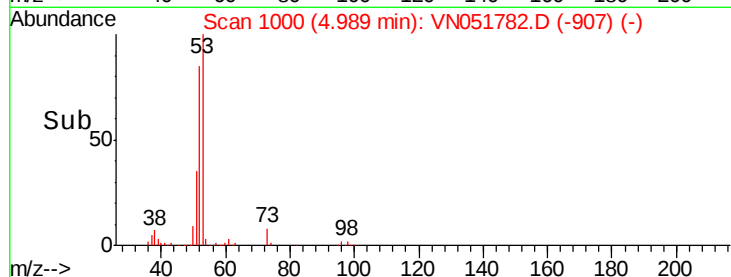
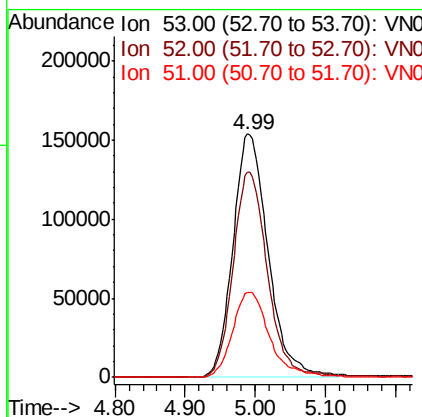
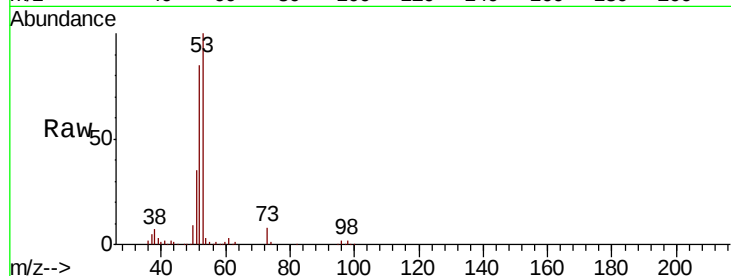
#15
 Acrylonitrile
 Concen: 256.505 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.6	30.3	45.5

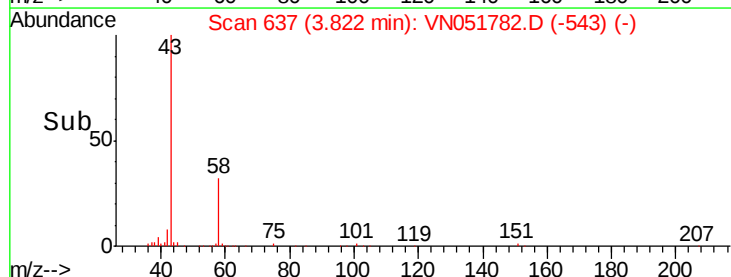
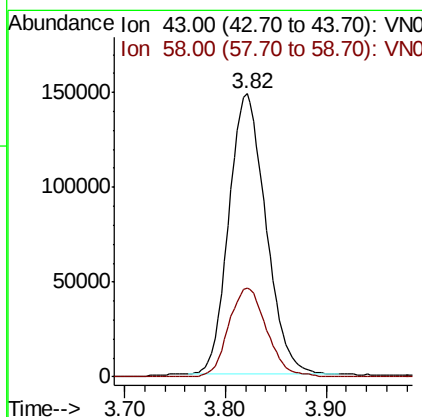
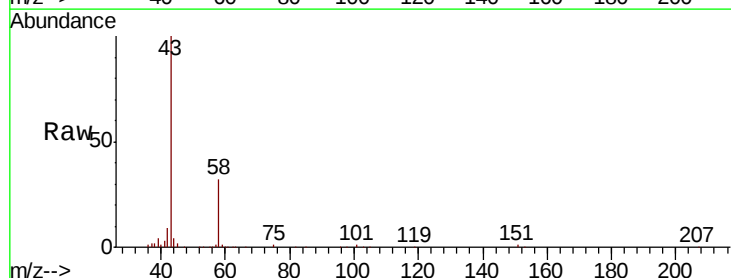
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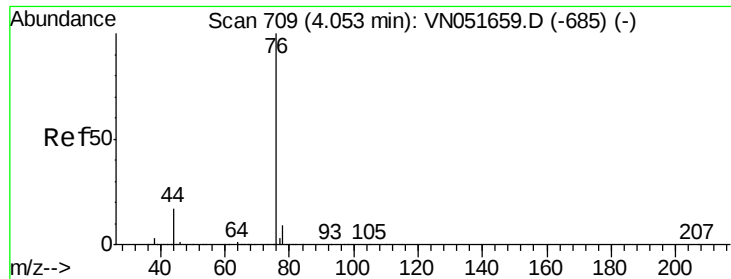
MMDadoda
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#16
 Acetone
 Concen: 252.915 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.3	36.5





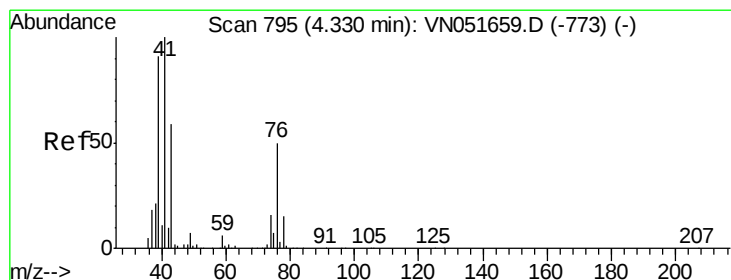
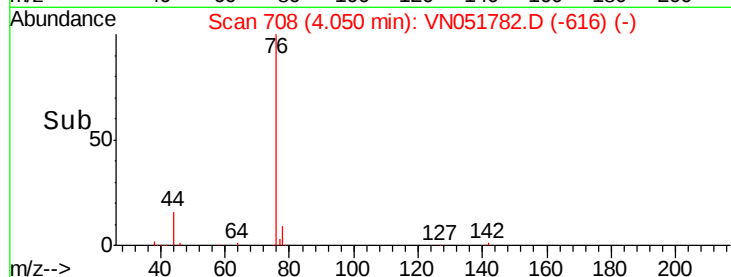
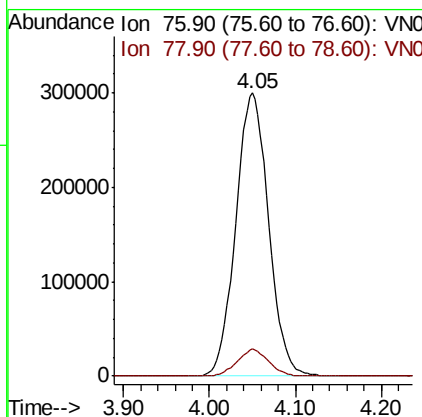
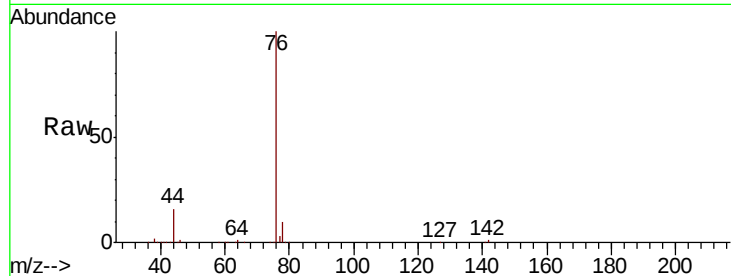
#17
Carbon Disulfide
Concen: 41.567 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.2	10.8

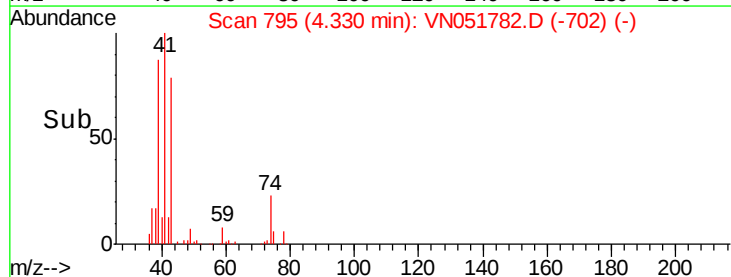
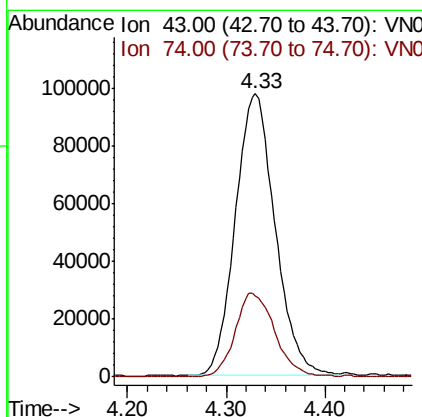
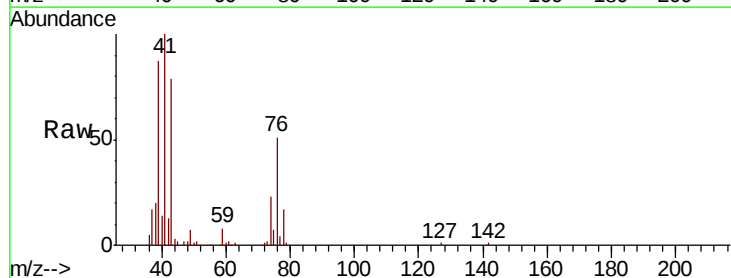
Manual Integrations
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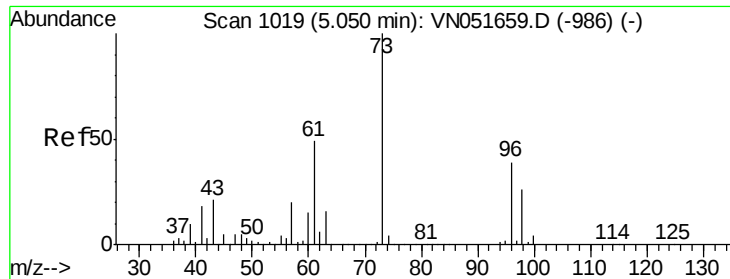
MMDadoda
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#18
Methyl Acetate
Concen: 55.732 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.6	21.5	32.3





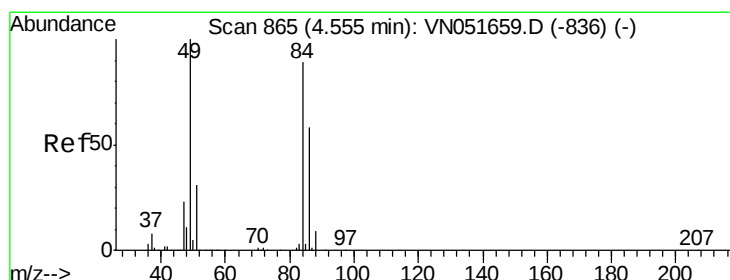
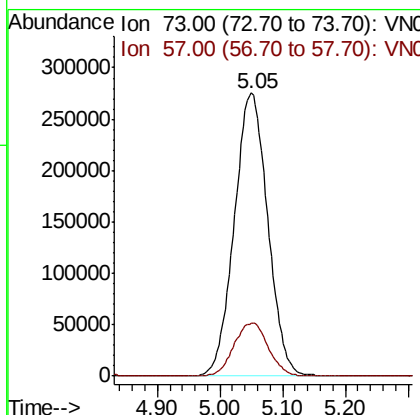
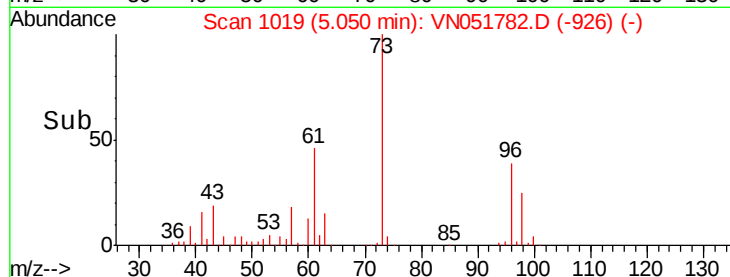
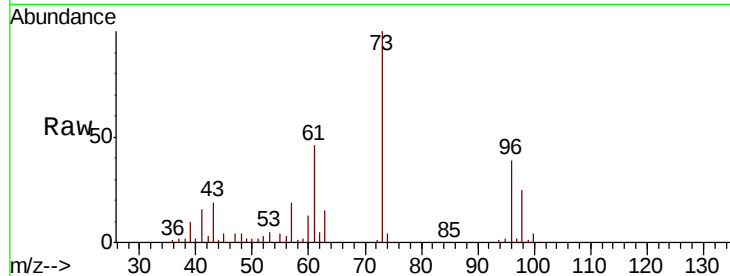
#19
Methyl tert-butyl Ether
Concen: 49.145 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion: 73 Resp: 1019042
Ion Ratio Lower Upper
73 100
57 18.6 15.6 23.4

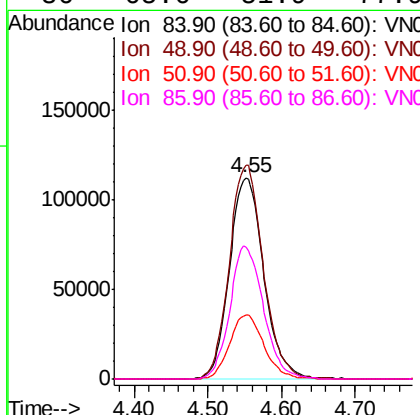
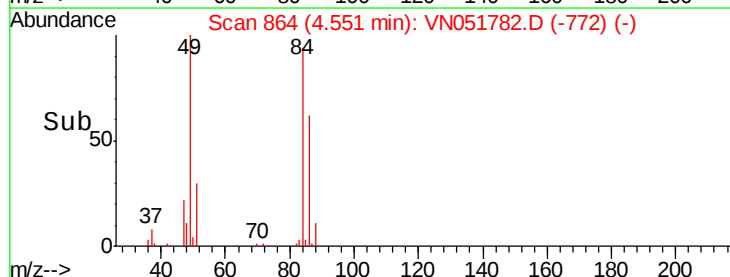
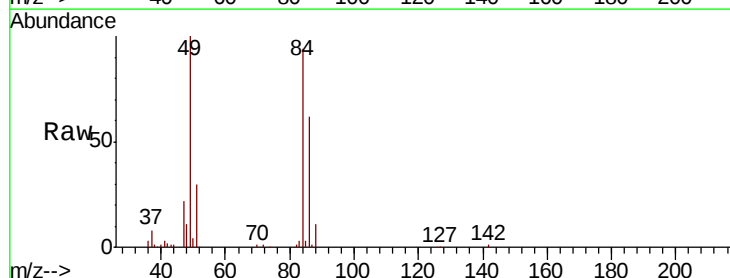
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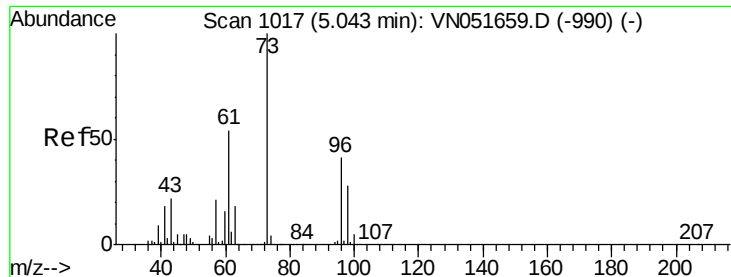
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#20
Methylene Chloride
Concen: 49.738 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion: 84 Resp: 364660
Ion Ratio Lower Upper
84 100
49 106.0 89.5 134.3
51 31.8 27.4 41.0
86 65.6 51.9 77.9





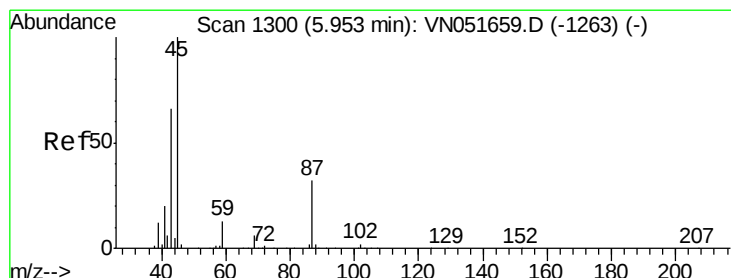
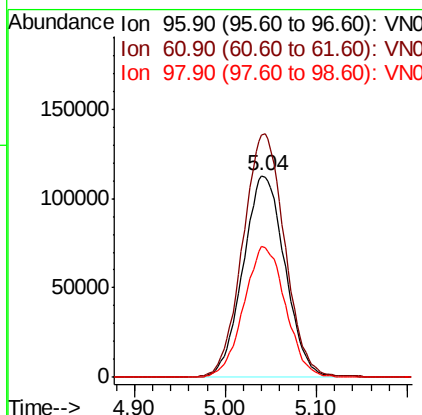
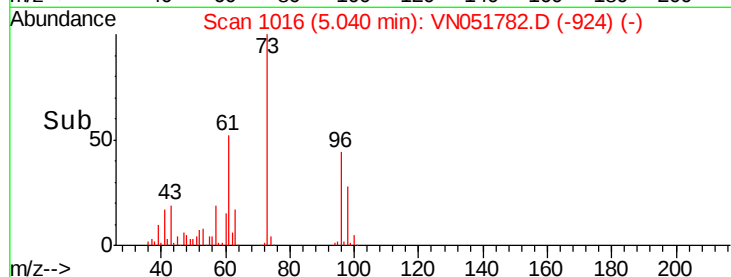
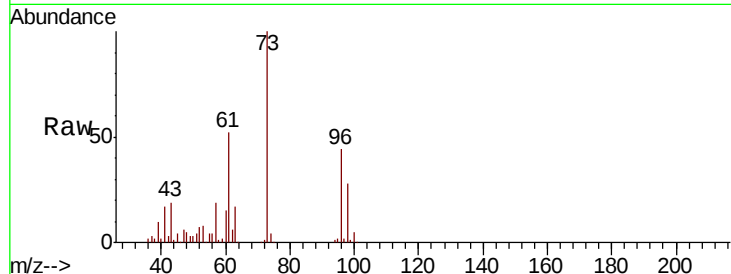
#21
trans-1,2-Dichloroethene
Concen: 48.472 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.9	104.7	157.1
98	64.9	54.6	82.0

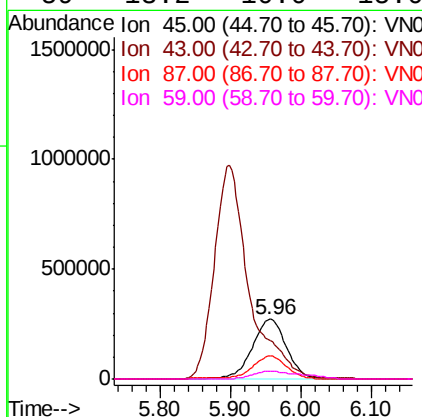
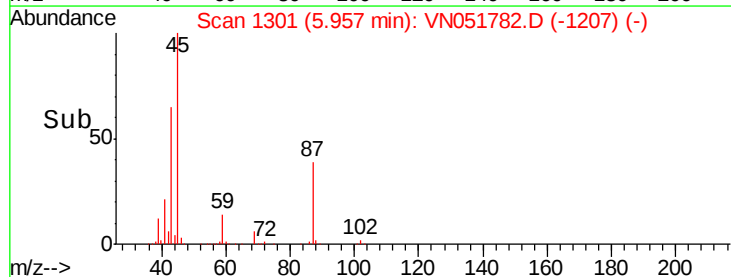
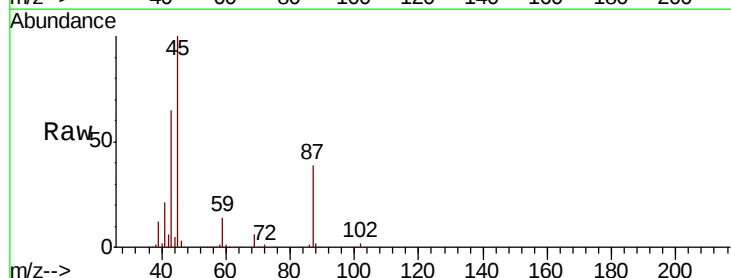
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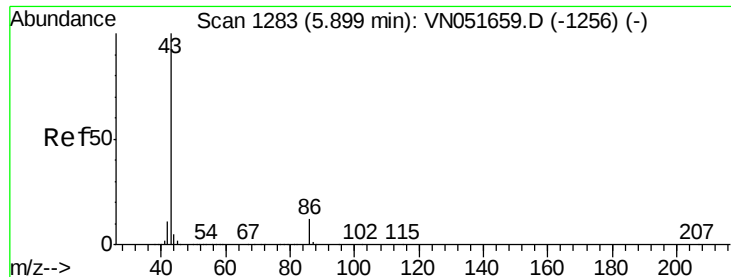
MMDadoda
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#22
Diisopropyl ether
Concen: 44.845 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	53.0	79.4
87	38.9	26.4	39.6
59	13.2	10.0	15.0





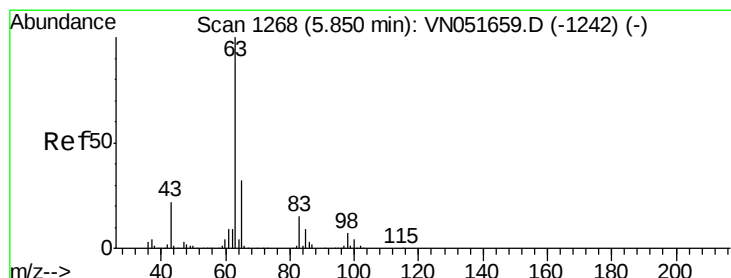
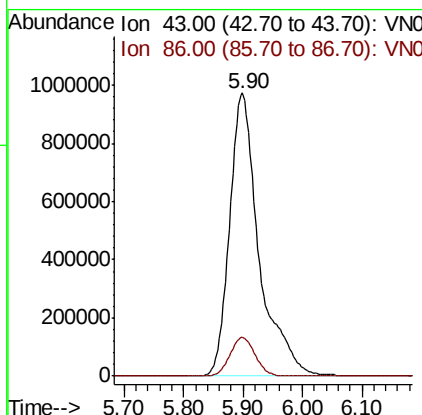
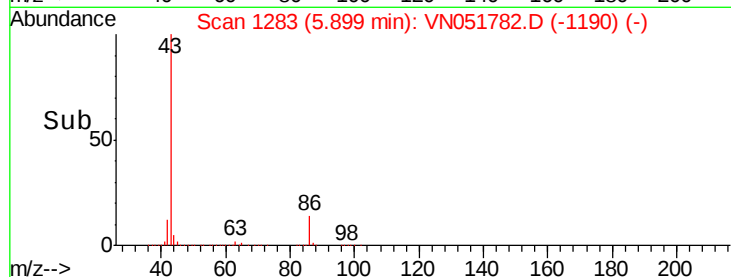
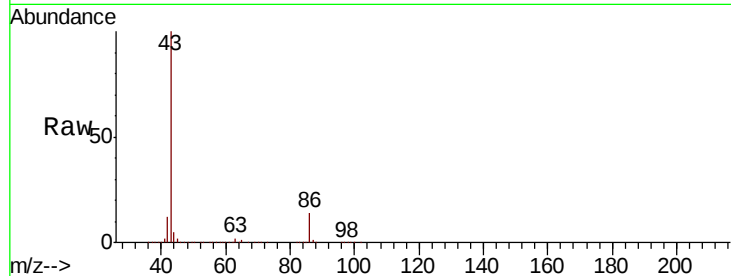
#23
 Vinyl Acetate
 Concen: 221.955 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion: 43 Resp: 3351826
 Ion Ratio Lower Upper
 43 100
 86 13.7 9.3 13.9

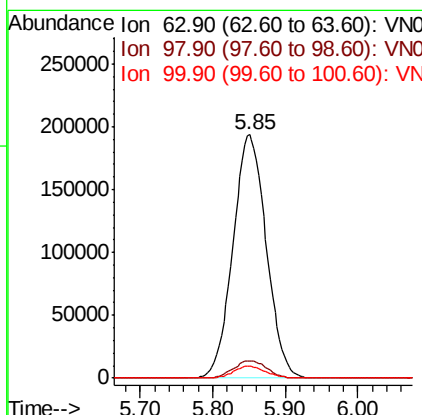
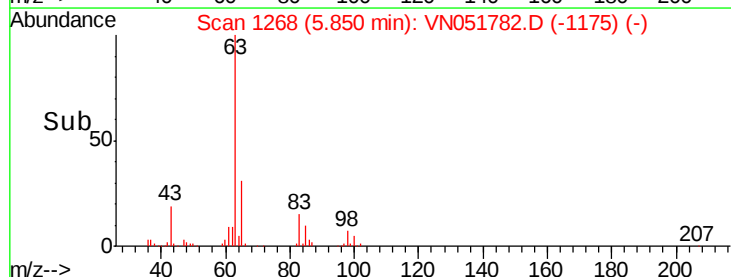
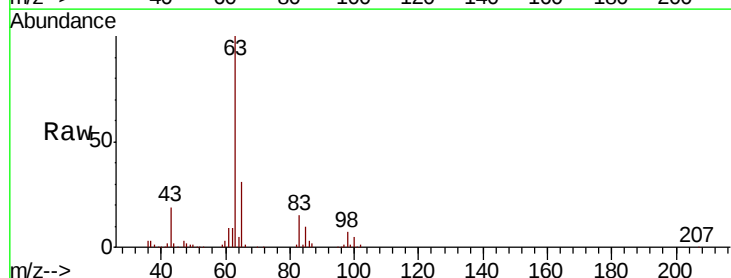
Manual Integrations
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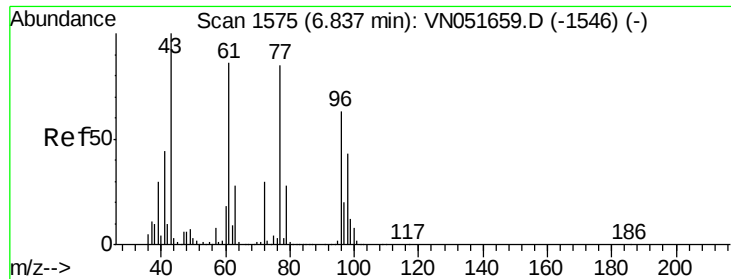
MMDadoda
 10/11/2018 5:51:14 PM



#24
 1,1-Dichloroethane
 Concen: 46.877 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion: 63 Resp: 619191
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 4.8 2.2 6.6





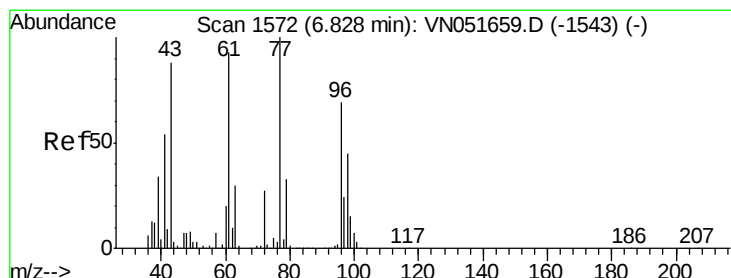
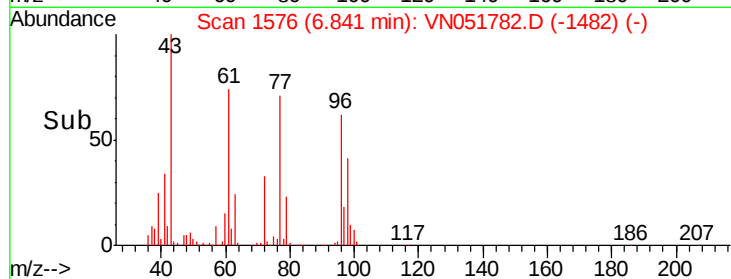
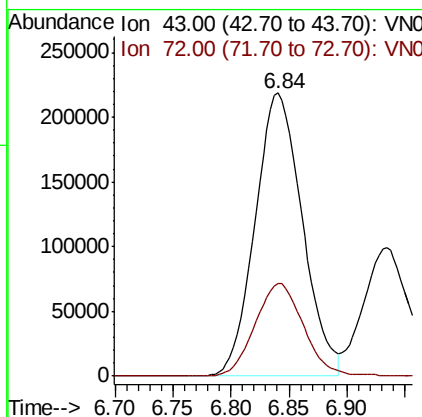
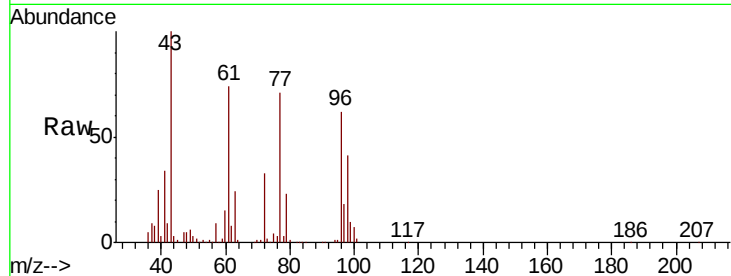
#25
2-Butanone
Concen: 239.817 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion: 43 Resp: 617100
Ion Ratio Lower Upper
43 100
72 32.8 24.2 36.2

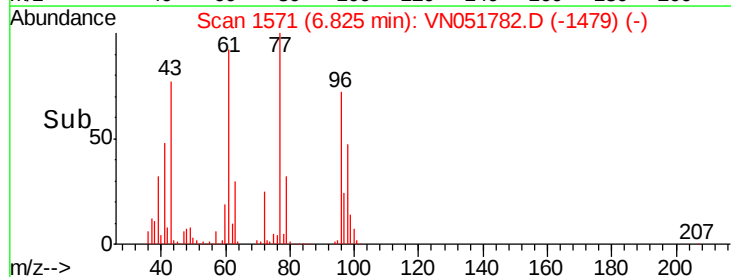
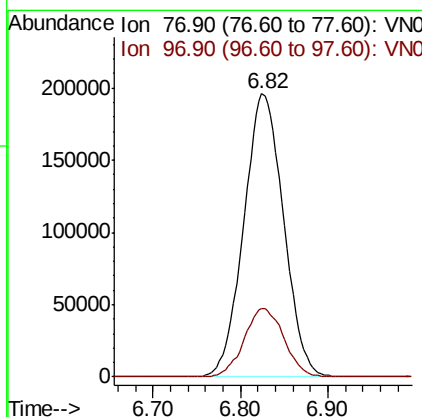
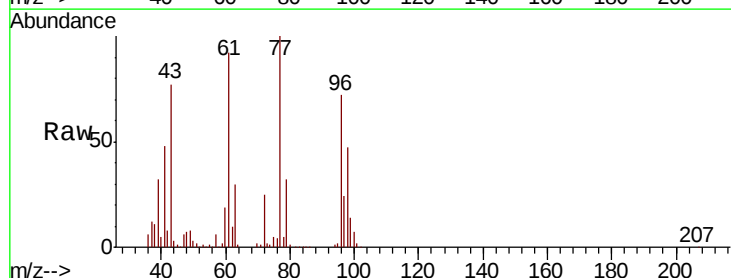
Manual Integrations
APPROVED

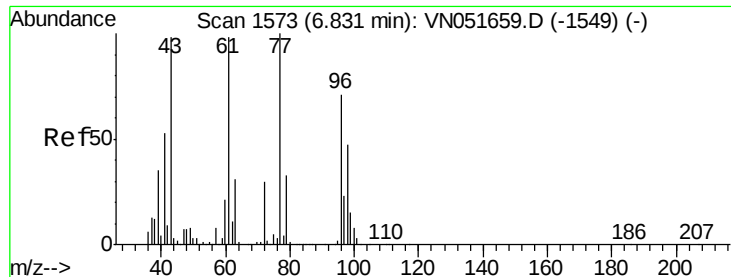
MMDadoda
10/11/2018 5:51:14 PM



#26
2,2-Dichloropropane
Concen: 46.584 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion: 77 Resp: 616625
Ion Ratio Lower Upper
77 100
97 24.3 11.3 33.8





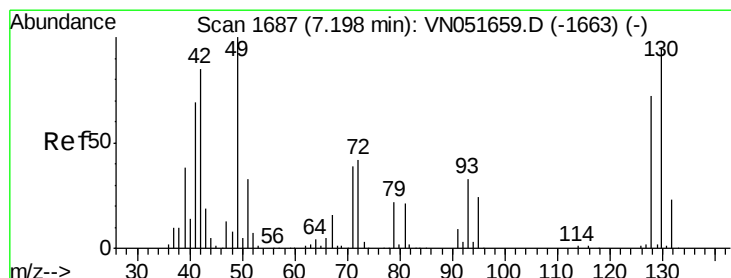
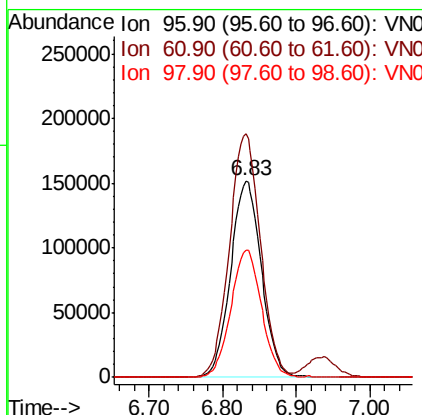
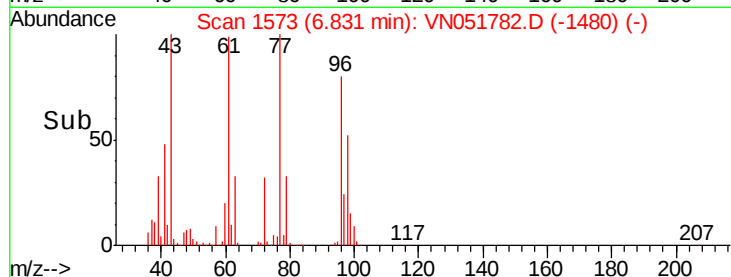
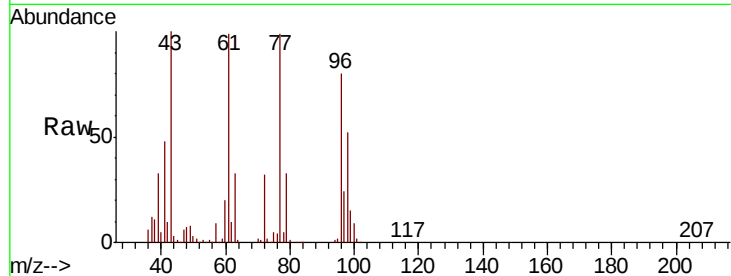
#27
 cis-1,2-Dichloroethene
 Concen: 51.133 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	441871		
61	124.6	0.0	275.4	
98	64.6	0.0	129.6	

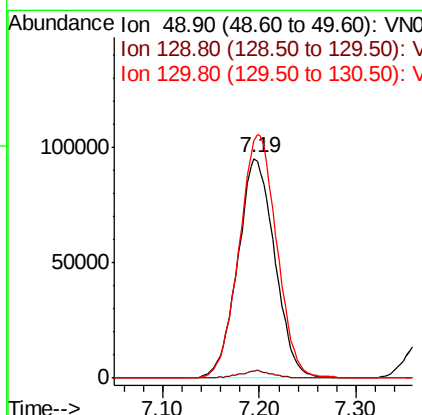
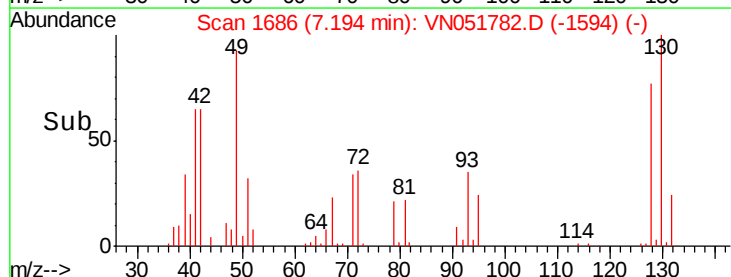
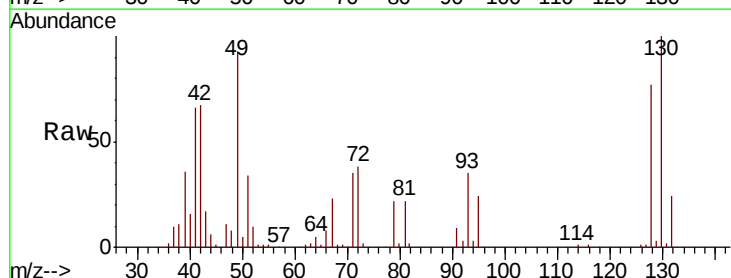
Manual Integrations
 APPROVED

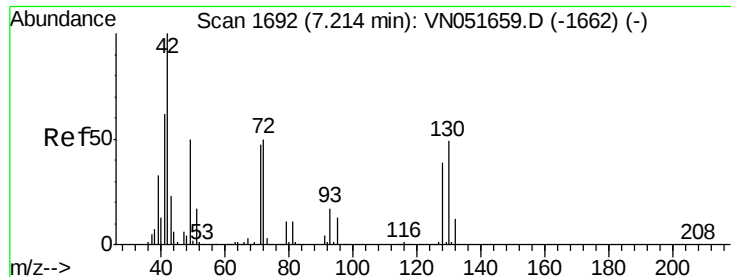
MMDadoda
 10/11/2018 5:51:14 PM



#28
 Bromochloromethane
 Concen: 43.351 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	253508		
129	3.0	0.0	4.8	
130	112.6	75.7	113.5	





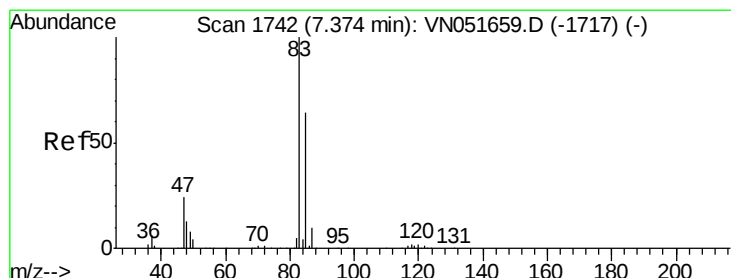
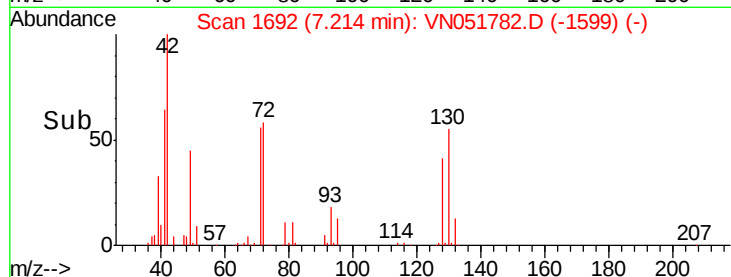
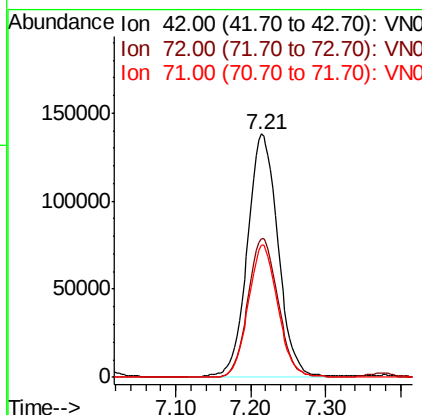
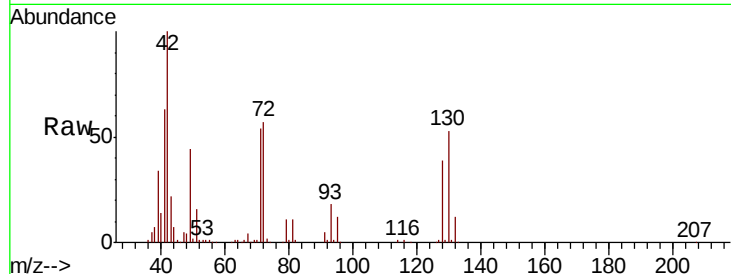
#29
Tetrahydrofuran
Concen: 248.386 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.3	40.1	60.1
71	52.7	38.0	57.0

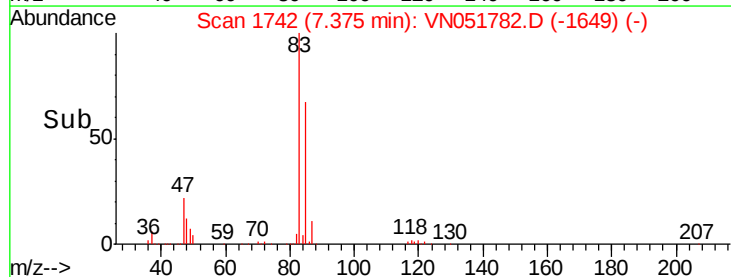
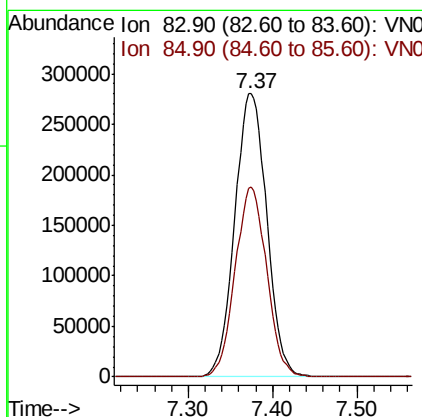
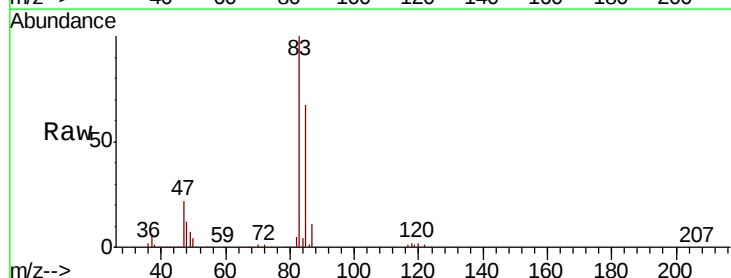
Manual Integrations
APPROVED

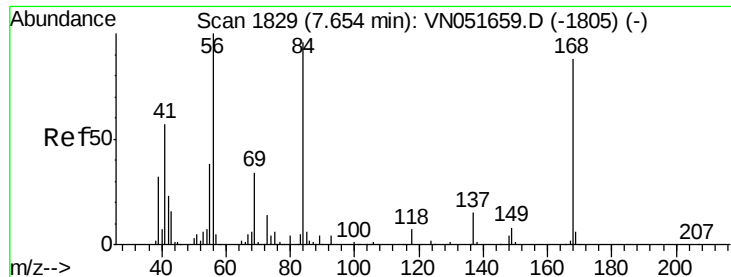
MMDadoda
10/11/2018 5:51:14 PM



#30
Chloroform
Concen: 50.004 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.6	77.4





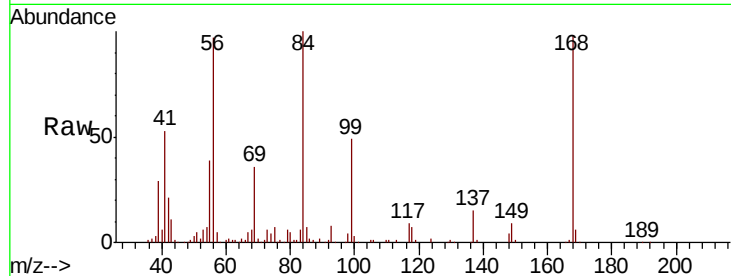
#31
Cyclohexane
Concen: 43.242 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

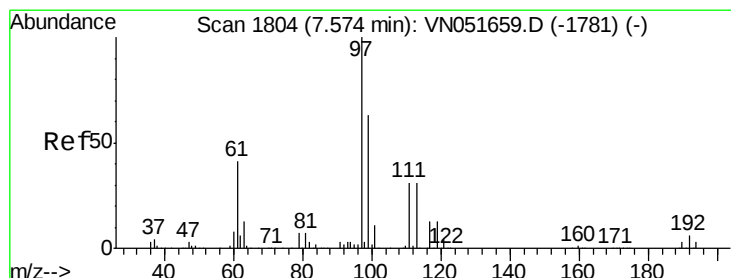
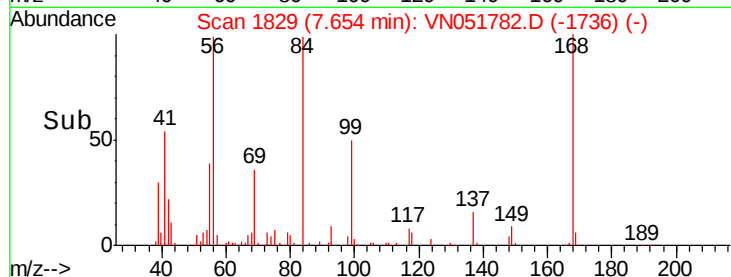
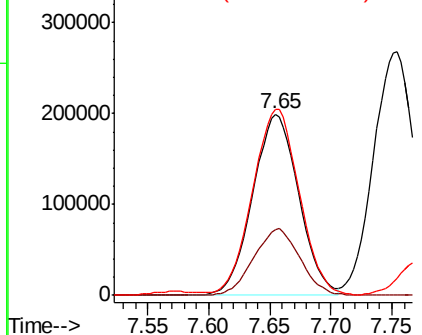
Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	27.5	41.3
84	100.8	76.7	115.1

Manual Integrations
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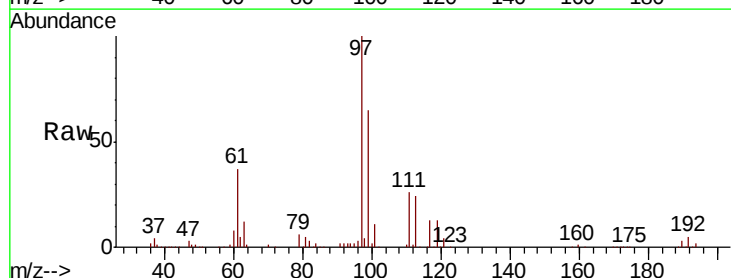


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

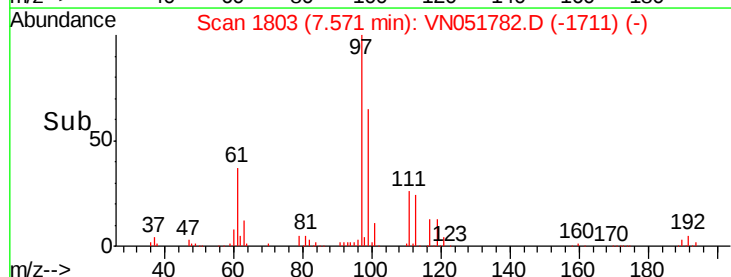
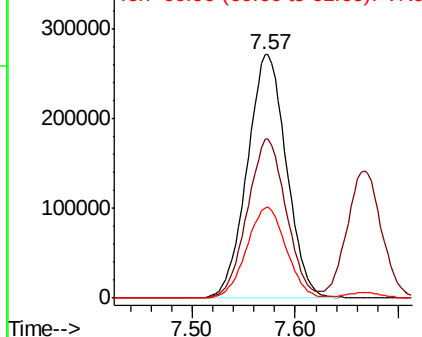


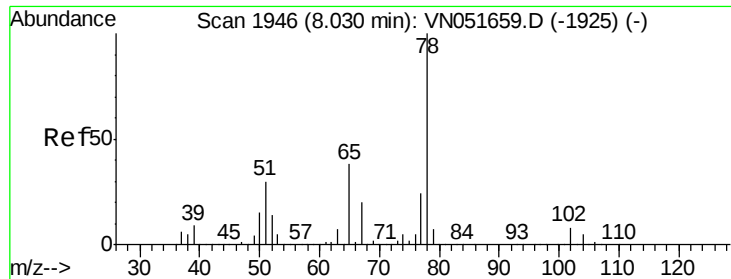
#32
1,1,1-Trichloroethane
Concen: 49.609 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.9	77.9
61	37.7	33.4	50.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





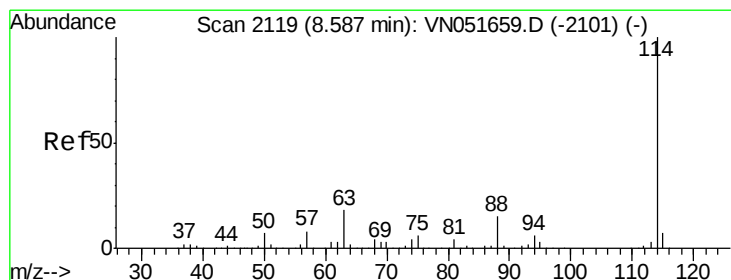
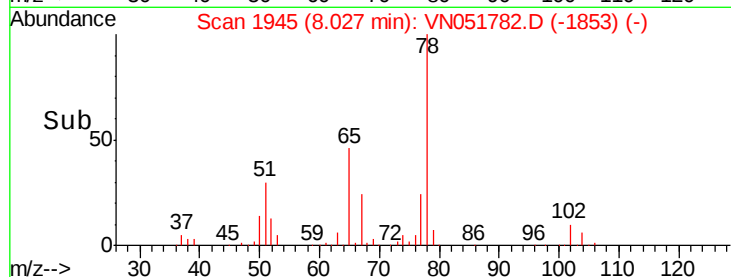
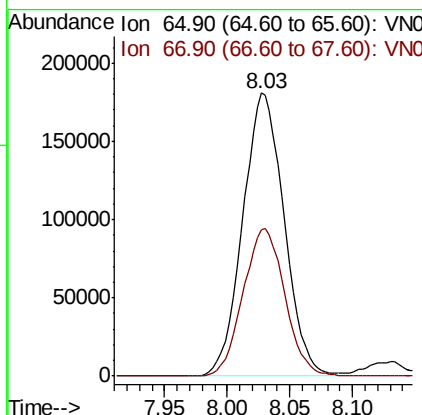
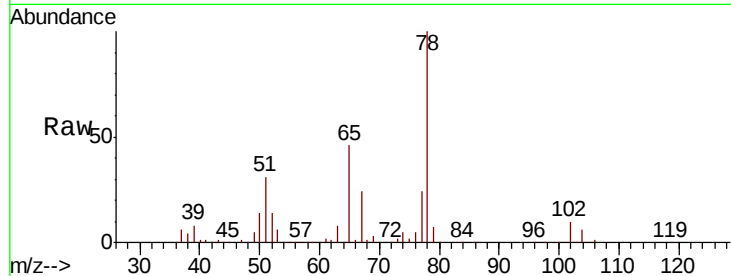
#33
 1,2-Dichloroethane-d4
 Concen: 49.609 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	415563		
67	52.6	0.0	103.6	

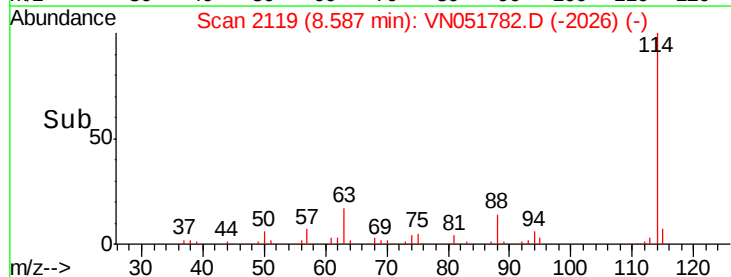
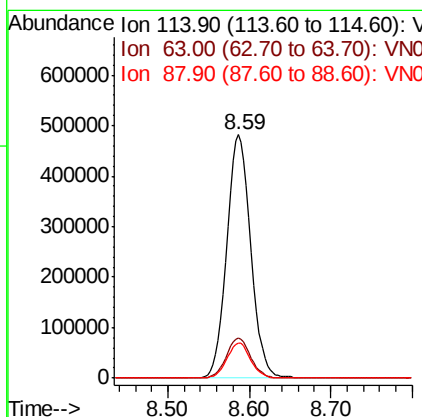
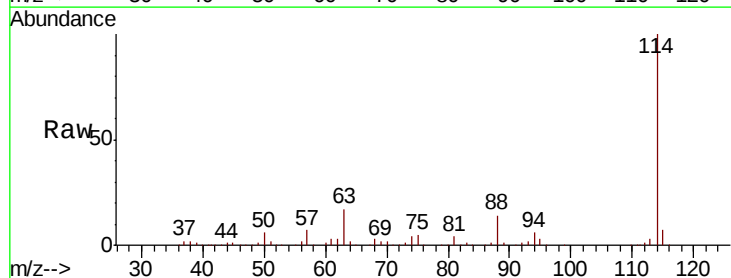
Manual Integrations
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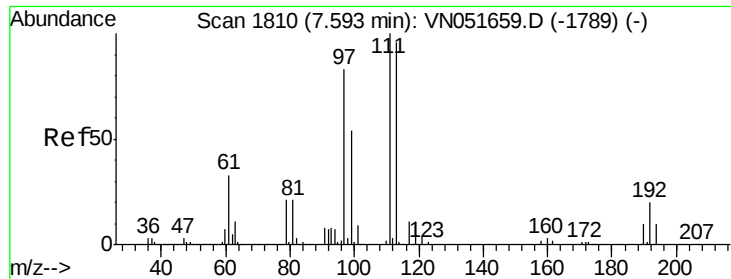
MMDadoda
 10/11/2018 5:51:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	999575		
63	16.5	0.0	36.2	
88	14.5	0.0	30.2	





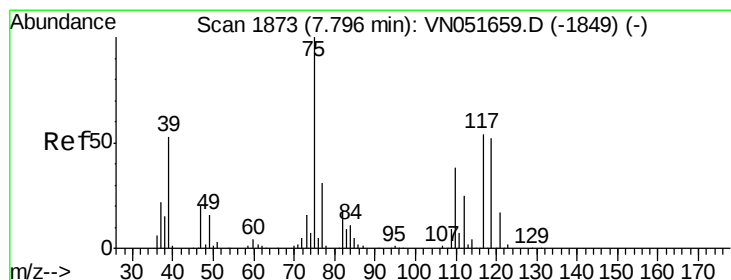
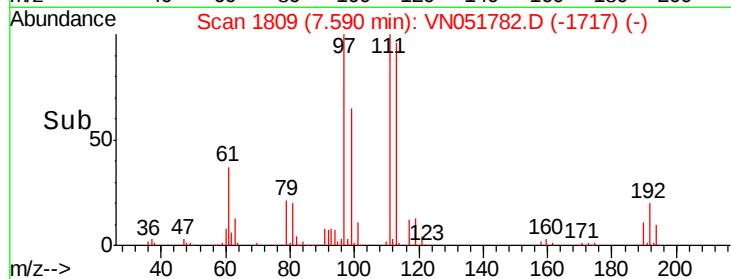
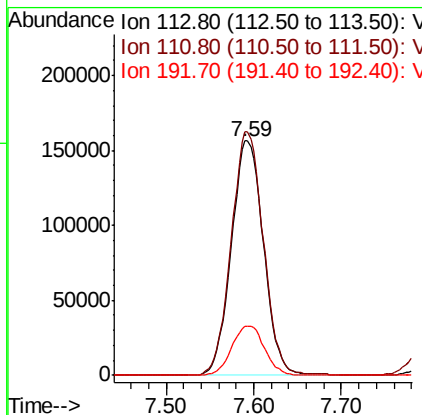
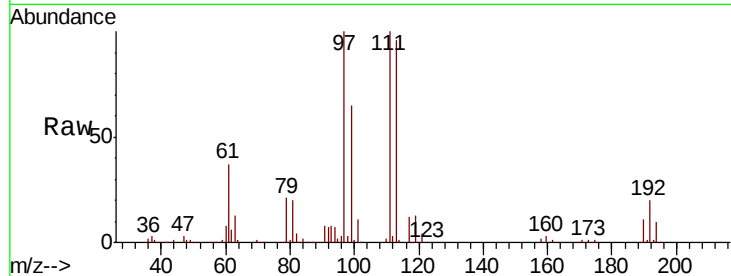
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	401125		
111	103.4	81.8	122.8	
192	21.4	16.5	24.7	

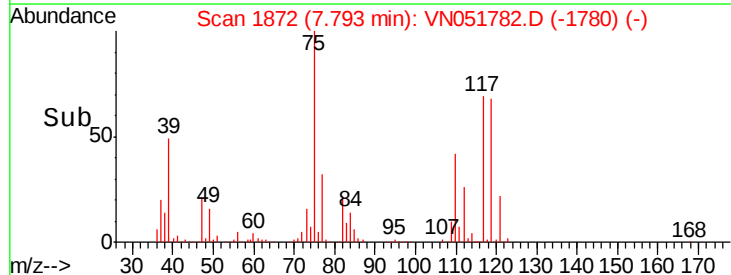
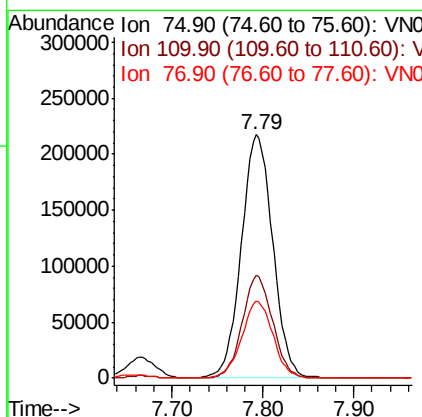
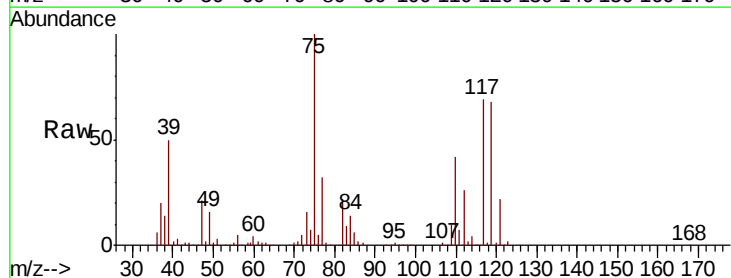
Manual Integrations
APPROVED

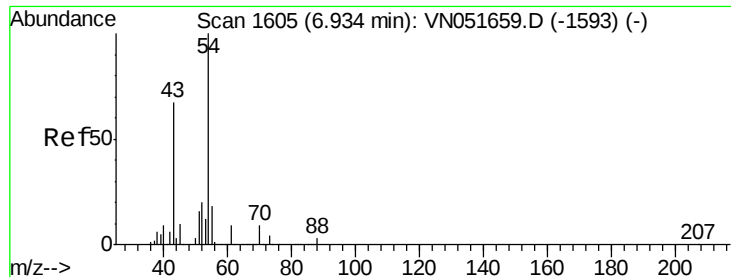
MMDadoda
10/11/2018 5:51:14 PM



#36
1,1-Dichloropropene
Concen: 49.766 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	519954		
110	40.9	19.3	57.8	
77	31.7	24.7	37.1	





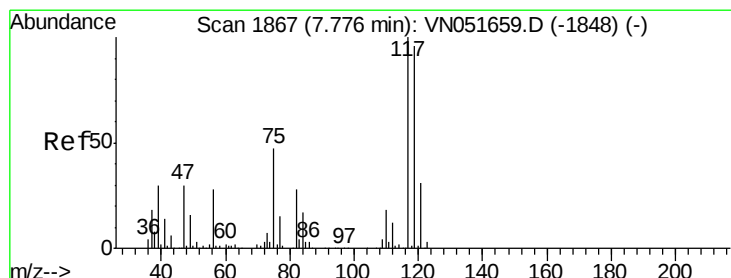
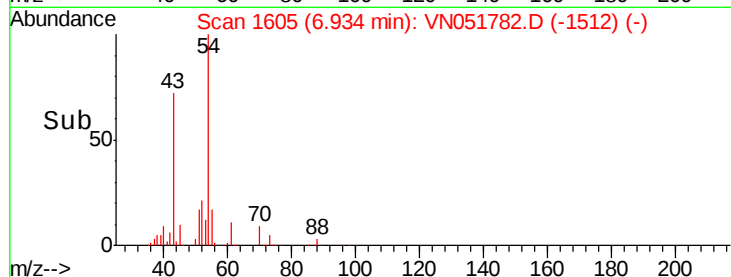
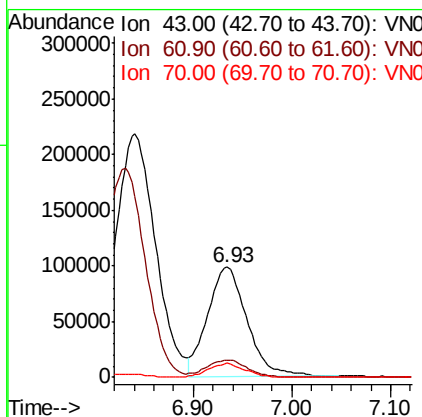
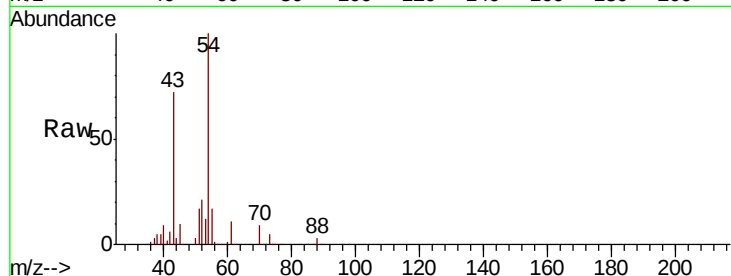
#37
Ethyl Acetate
Concen: 50.340 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	12.1	8.7	13.1

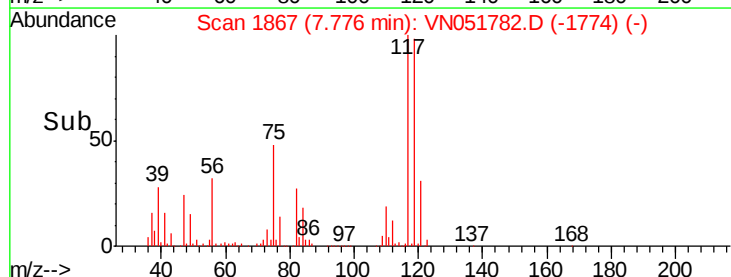
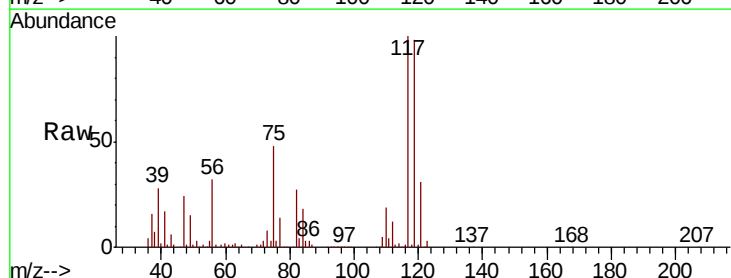
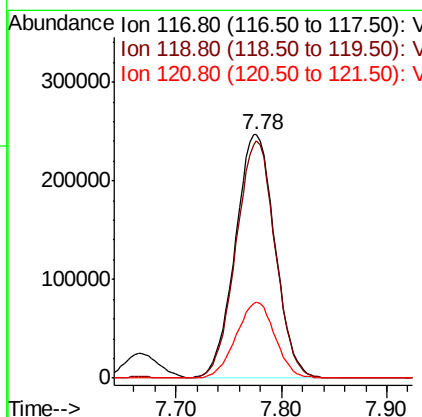
Manual Integrations
APPROVED

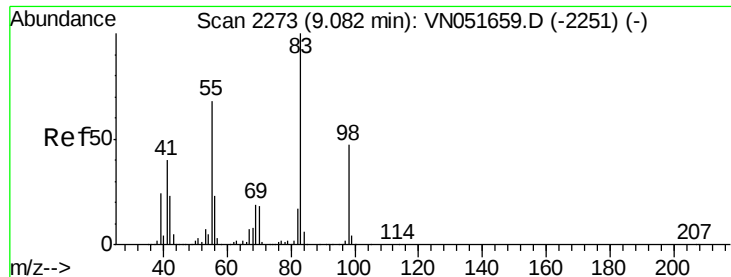
MMDadoda
10/11/2018 5:51:14 PM



#38
Carbon Tetrachloride
Concen: 51.215 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.0	115.6
121	31.4	25.0	37.6





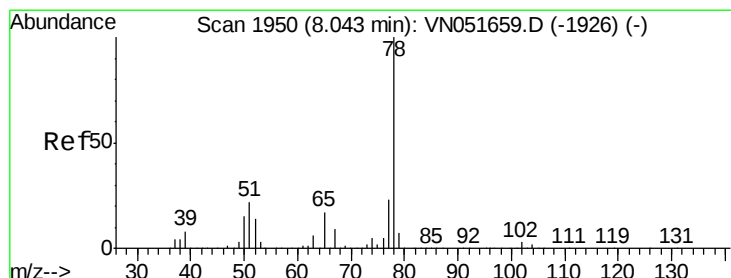
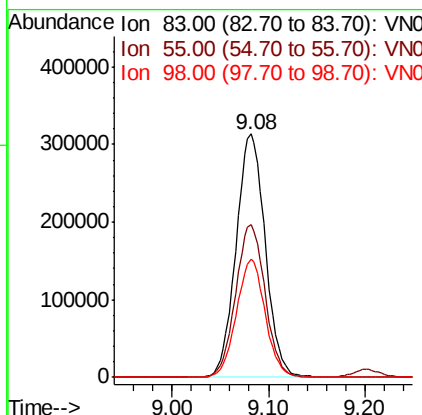
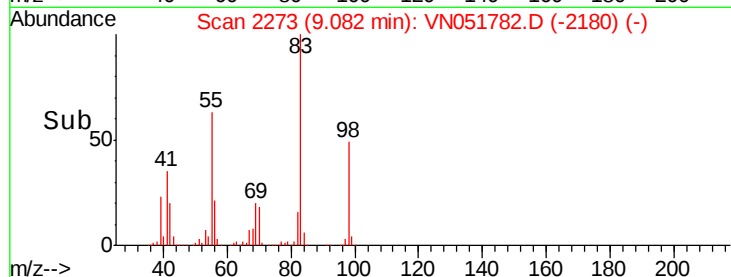
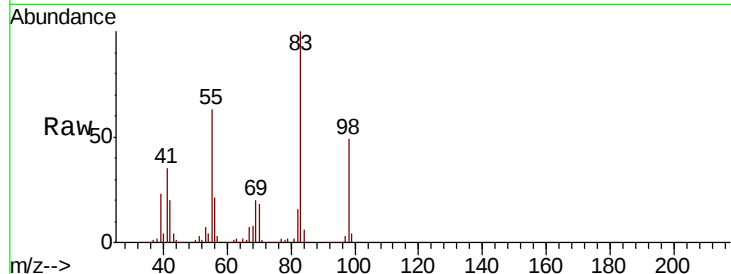
#39
Methvlcvclohexane
Concen: 50.116 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.6	54.3	81.5
98	48.5	37.4	56.2

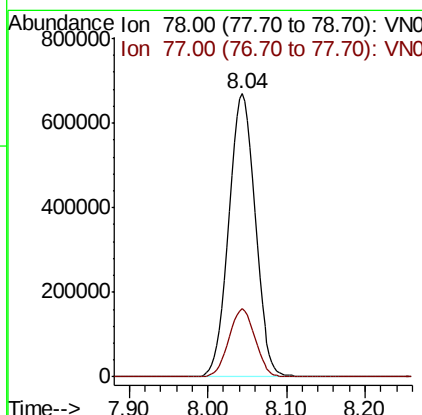
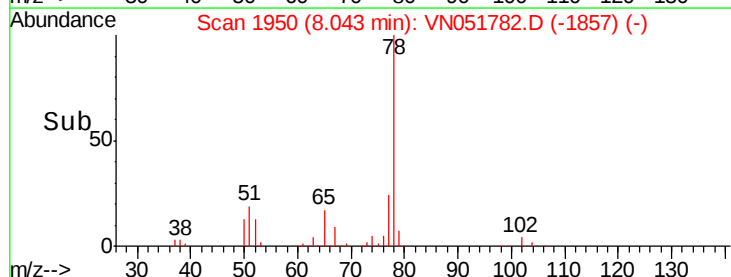
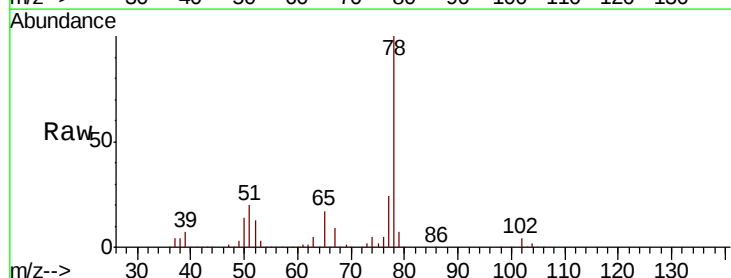
Manual Integrations
APPROVED

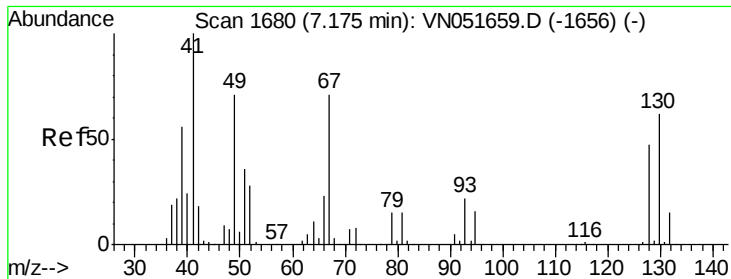
MMDadoda
10/11/2018 5:51:14 PM



#40
Benzene
Concen: 50.430 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7





#41

Methacrylonitrile

Concen: 47.959 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 41 Resp: 134684
Ion Ratio Lower Upper

41 100

39 47.7 53.9 80.9#

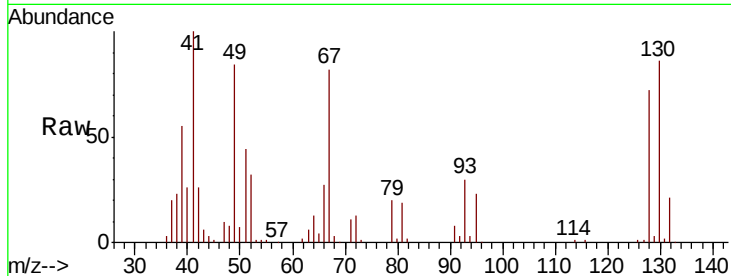
67 109.7 78.1 117.1

52 43.7 32.3 48.5

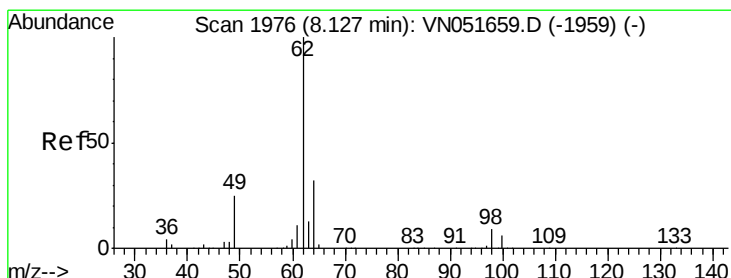
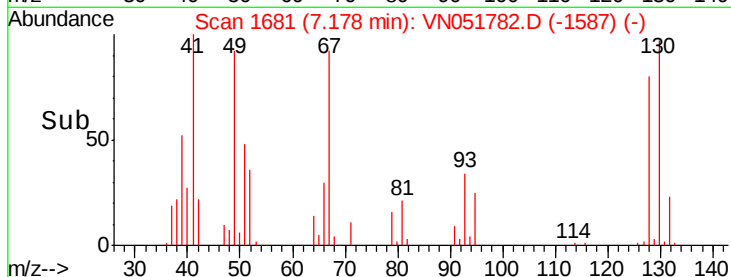
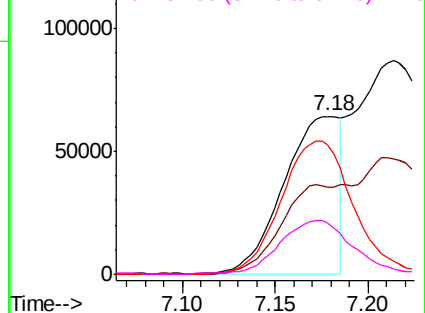
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Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 50.430 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

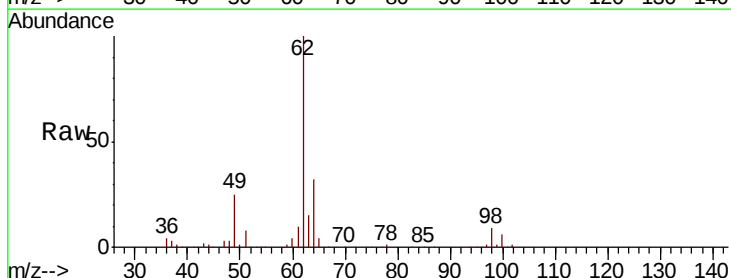
Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

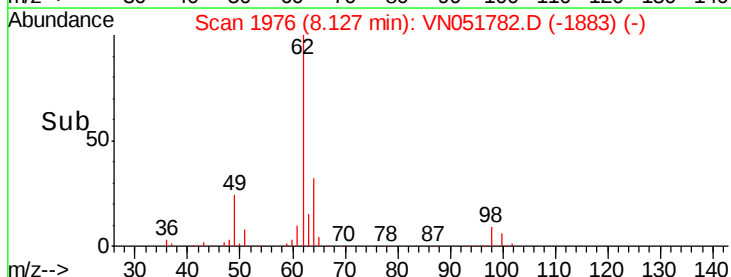
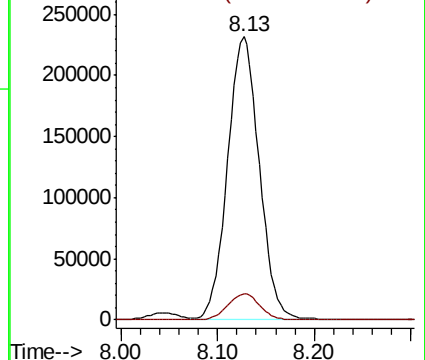
Tgt Ion: 62 Resp: 526398
Ion Ratio Lower Upper

62 100

98 9.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





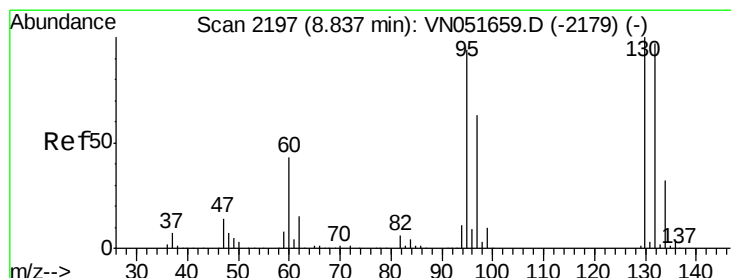
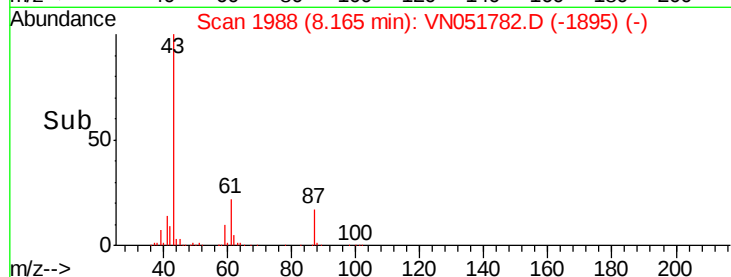
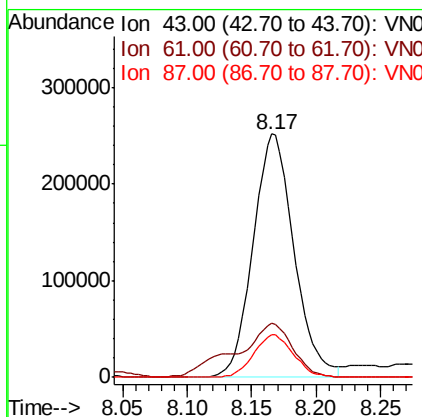
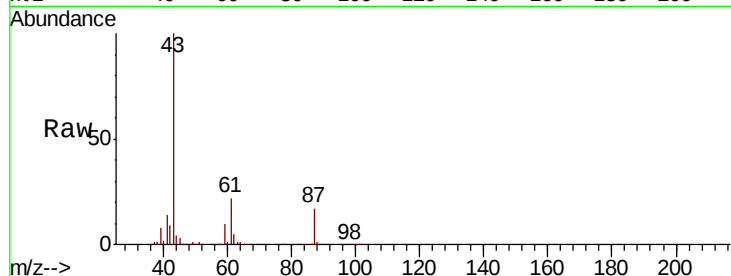
#43
Isopropyl Acetate
Concen: 48.908 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	15.8	23.6#
87	17.1	12.6	19.0

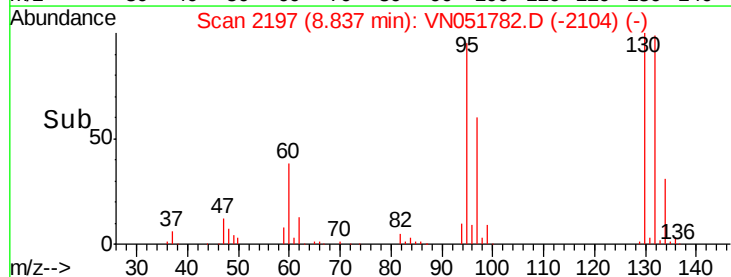
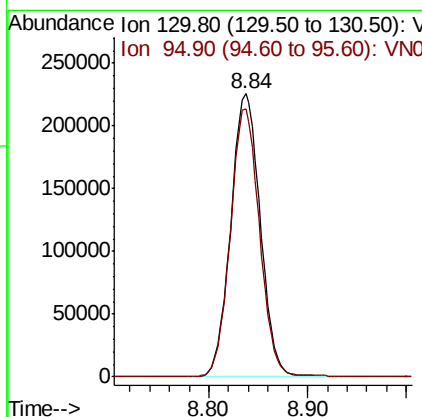
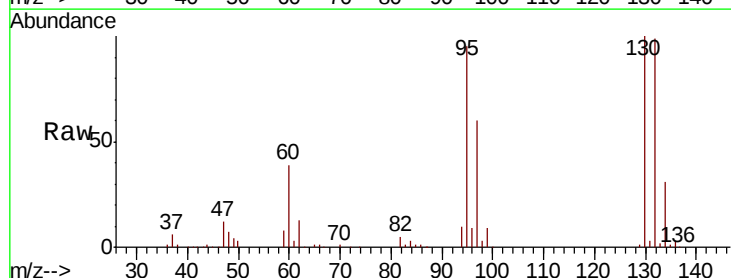
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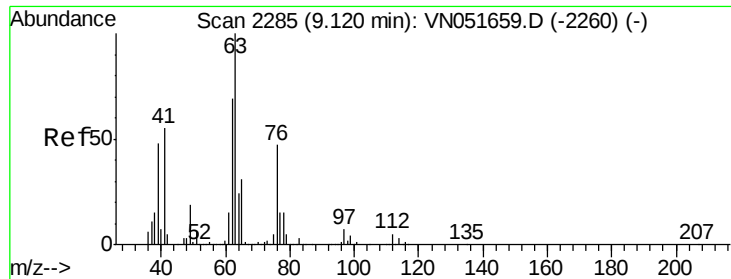
MMDadoda
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#44
Trichloroethene
Concen: 53.545 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	188.0





#45

1,2-Dichloropropane

Concen: 47.996 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 63 Resp: 367542

Ion Ratio Lower Upper

63 100

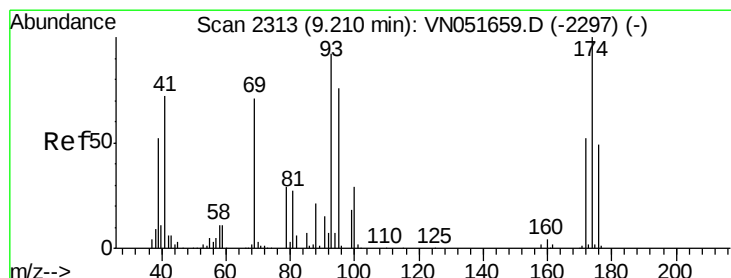
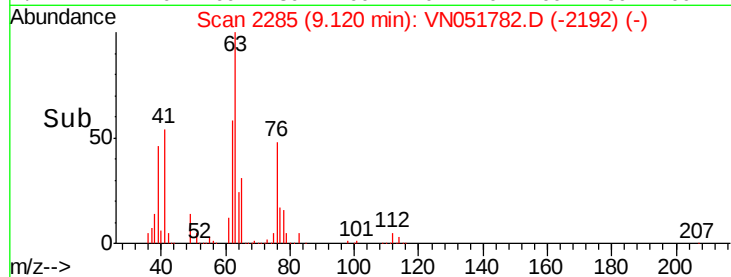
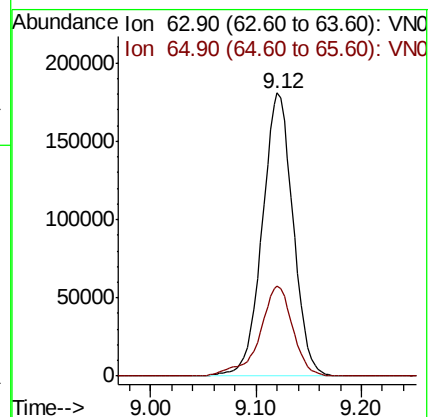
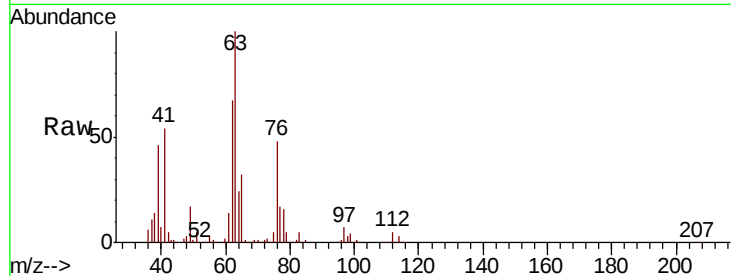
65 32.0 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 53.500 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

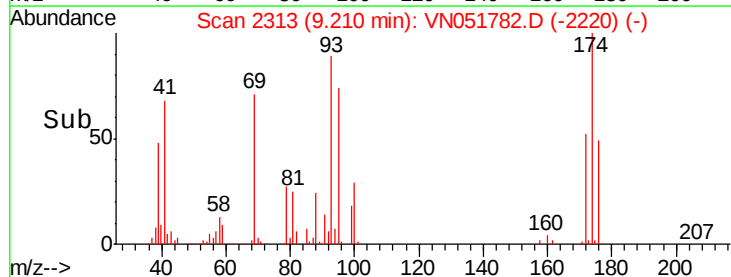
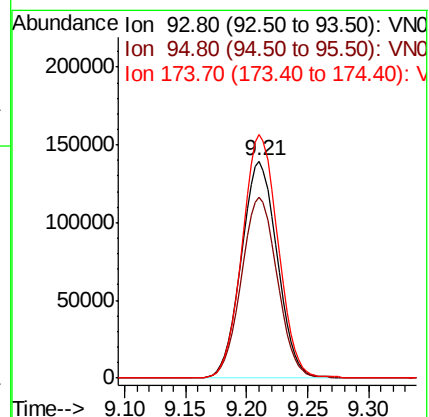
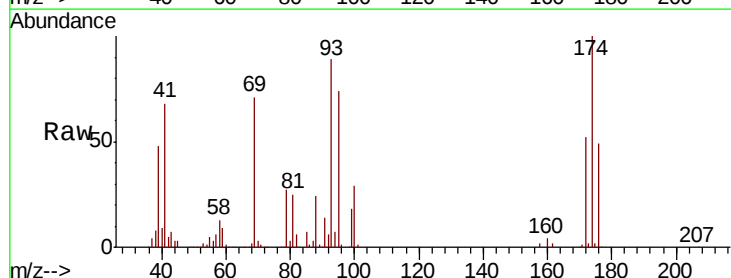
Tgt Ion: 93 Resp: 284766

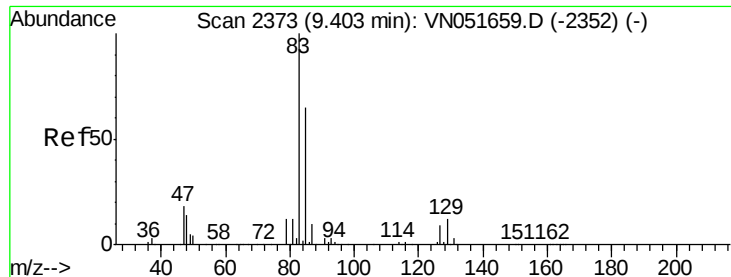
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 111.5 85.9 128.9





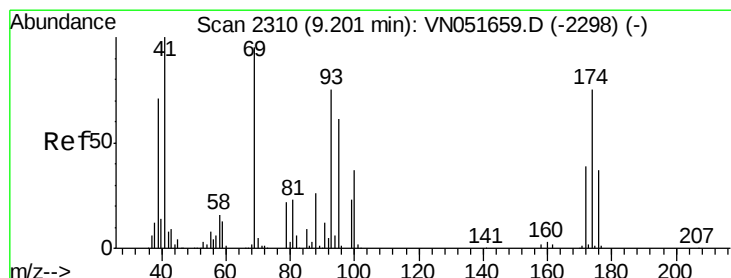
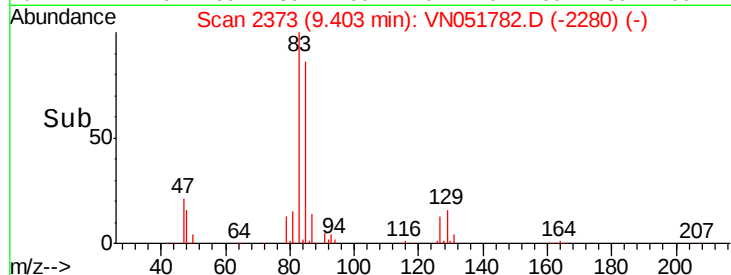
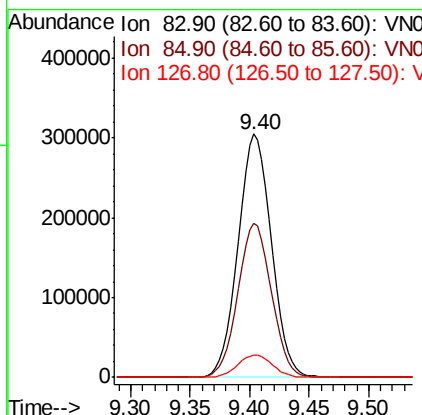
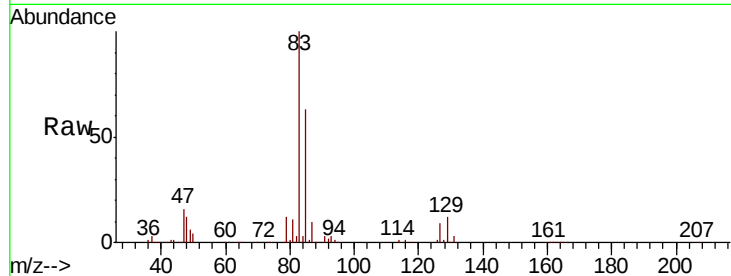
#47
Bromodichloromethane
Concen: 50.592 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	592801		
85	63.5	51.6	77.4	
127	9.3	7.3	10.9	

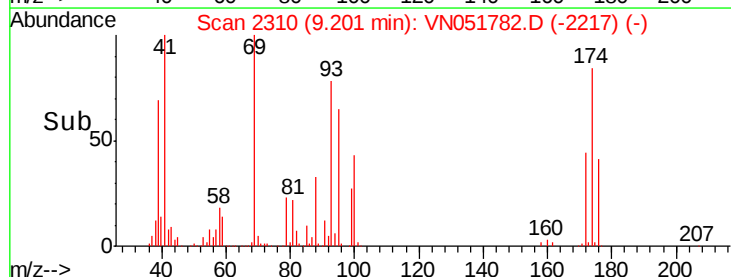
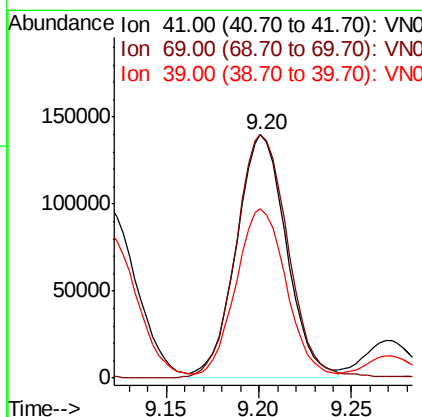
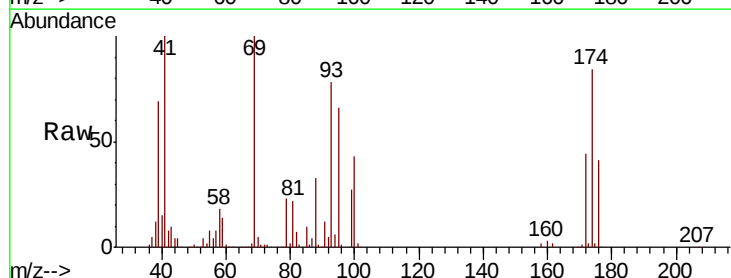
Manual Integrations
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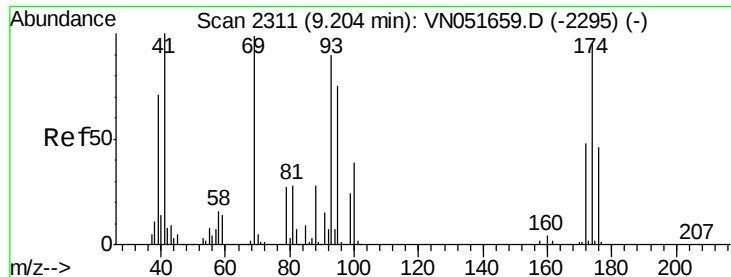
MMDadoda
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#48
Methyl methacrylate
Concen: 50.319 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	261226		
69	104.2	78.6	118.0	
39	70.6	59.2	88.8	





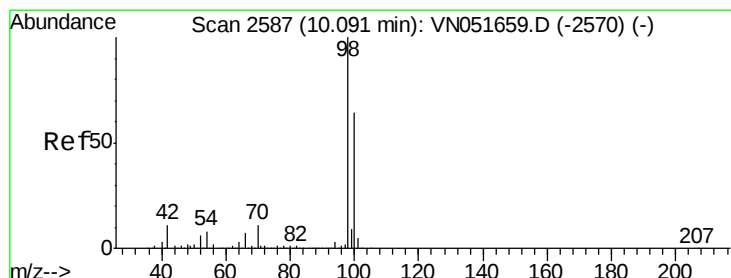
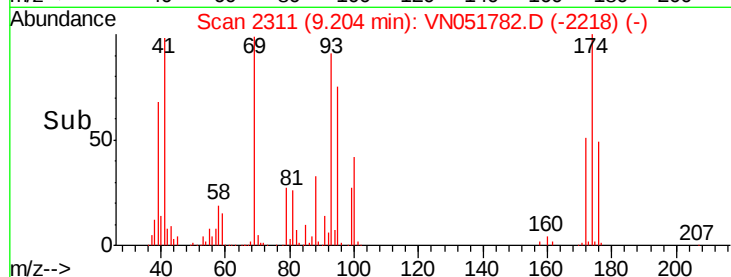
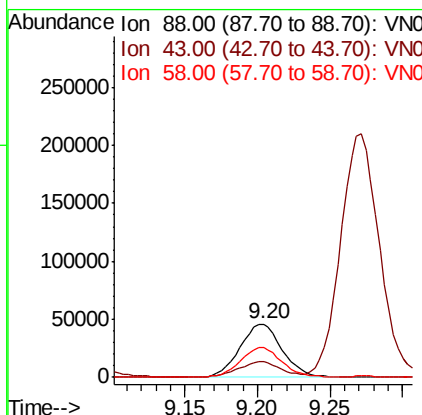
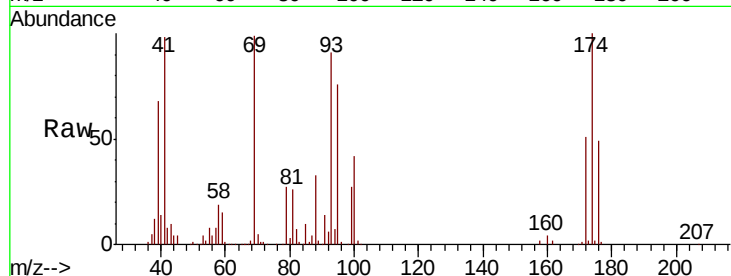
#49
1,4-Dioxane
Concen: 1198.279 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	88	Resp	93278
Ion Ratio	Lower	Upper	
88	100		
43	27.2	24.5	36.7
58	55.6	47.6	71.4

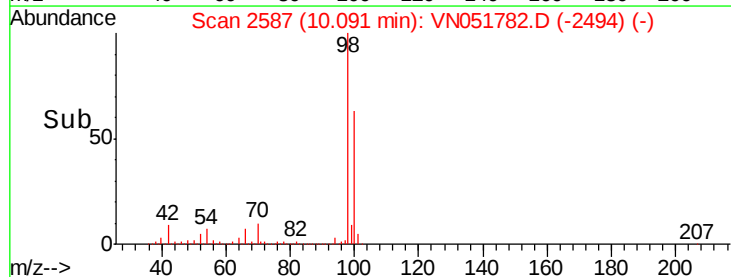
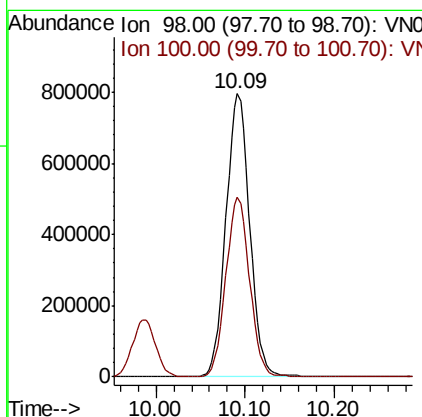
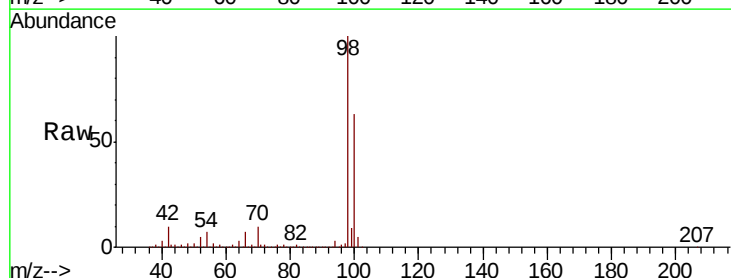
Manual Integrations
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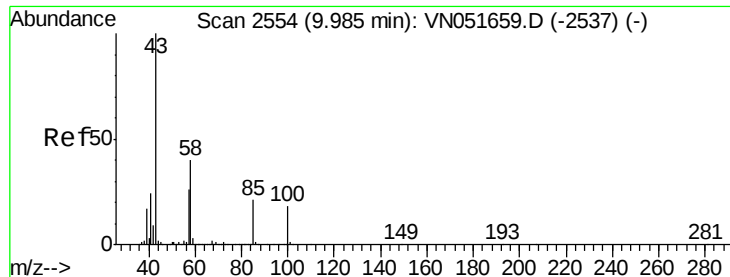
MMDadoda
10/11/2018 5:51:14 PM



#50
Toluene-d8
Concen: 1198.279 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	98	Resp	1468722
Ion Ratio	Lower	Upper	
98	100		
100	63.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 254.382 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 43 Resp: 1464471

Ion Ratio Lower Upper

43 100

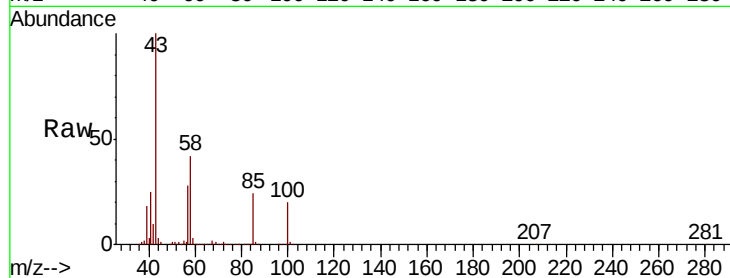
58 42.0 32.2 48.2

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Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

800000

600000

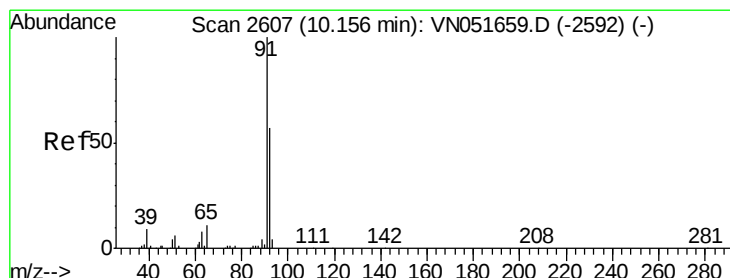
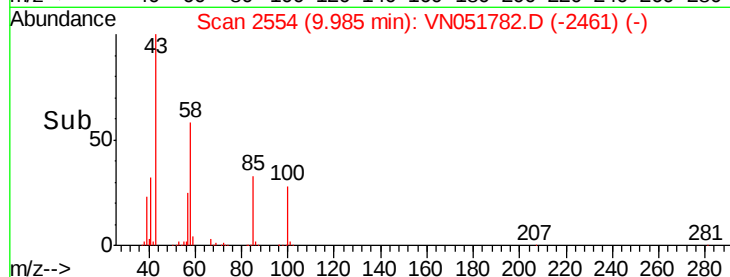
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 52.009 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051782.D

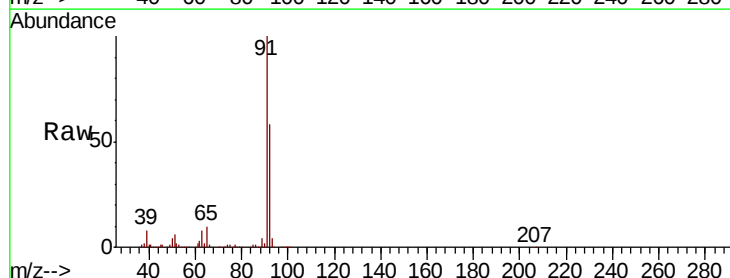
Acq: 10 Oct 2018 11:37

Tgt Ion: 92 Resp: 1071404

Ion Ratio Lower Upper

92 100

91 175.9 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

1200000

1000000

800000

600000

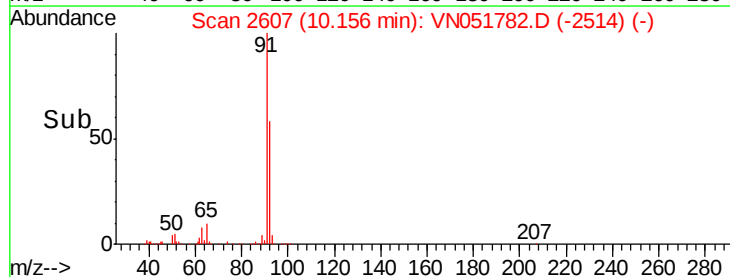
400000

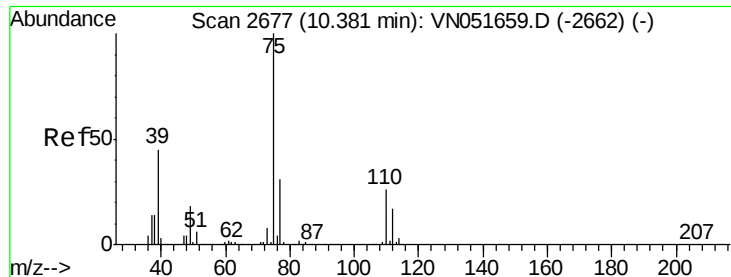
200000

0

10.10 10.20

Time-->





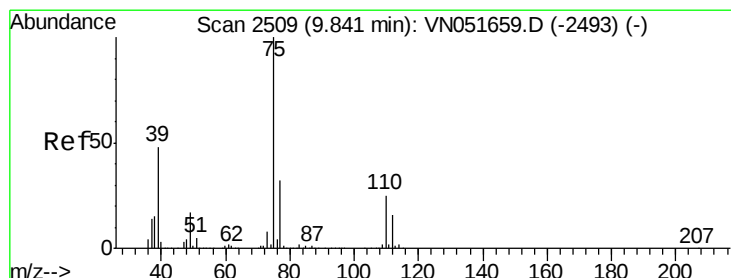
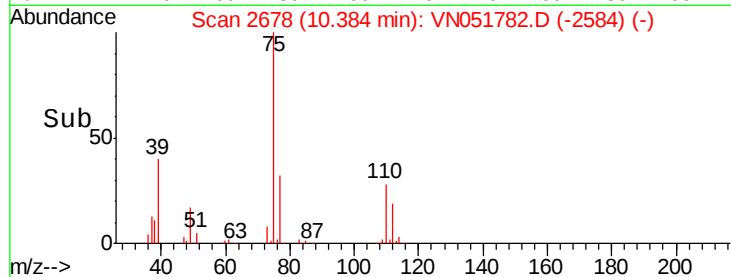
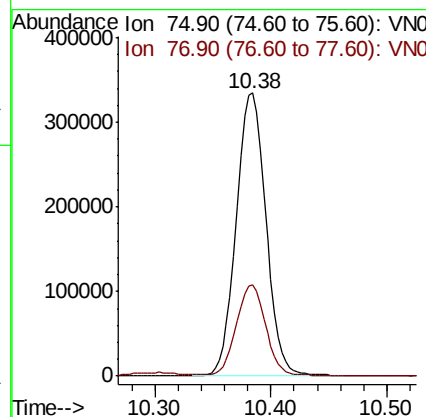
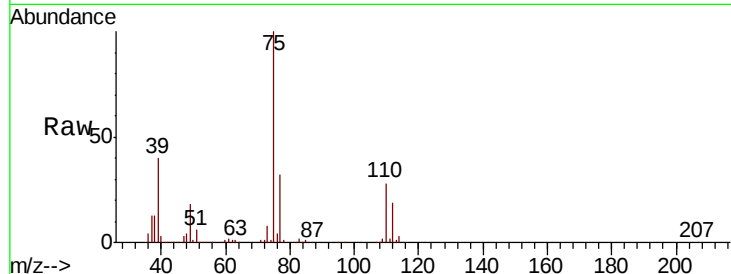
#53
t-1,3-Dichloropropene
Concen: 49.124 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

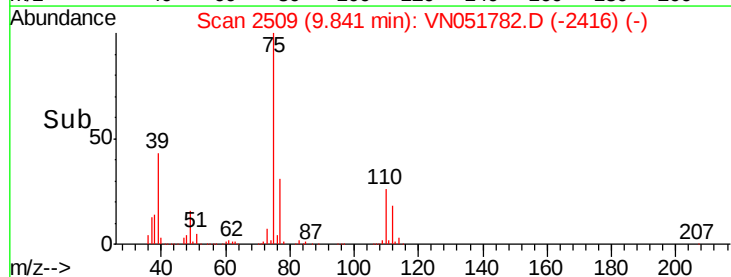
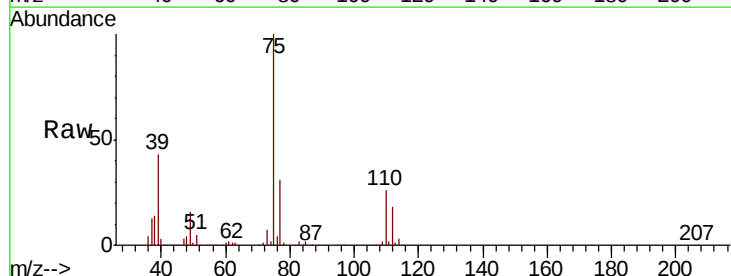
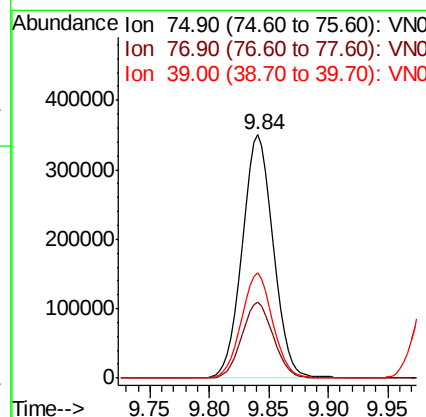
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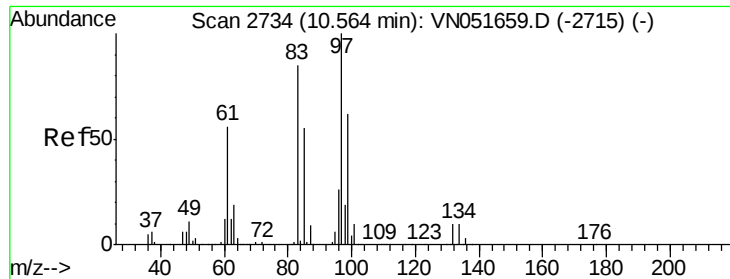
MMDadoda
10/11/2018 5:51:14 PM



#54
cis-1,3-Dichloropropene
Concen: 49.381 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	43.0	38.1	57.1





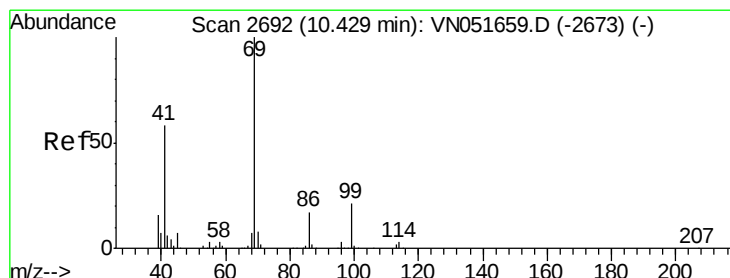
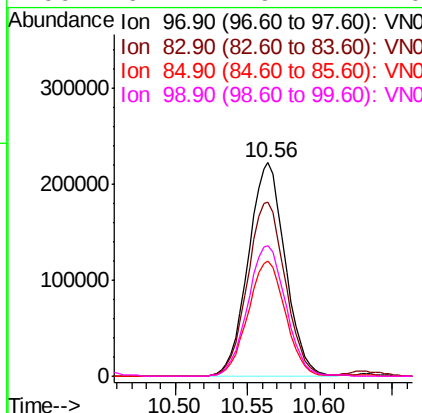
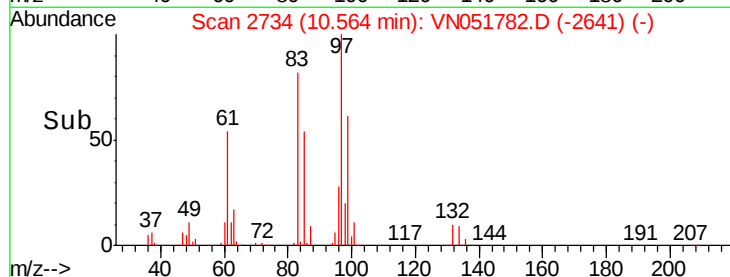
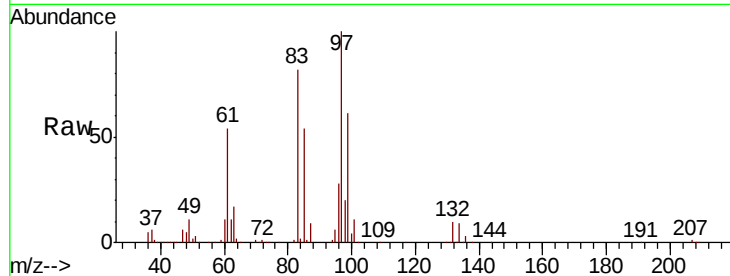
#55
 1,1,2-Trichloroethane
 Concen: 53.615 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion:	97	Resp:	393451
Ion	Ratio	Lower	Upper
97	100		
83	81.7	68.1	102.1
85	53.7	43.6	65.4
99	61.2	49.4	74.0

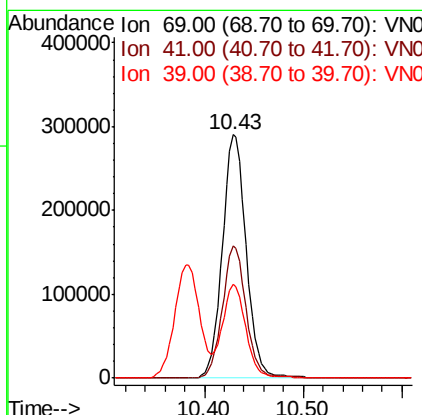
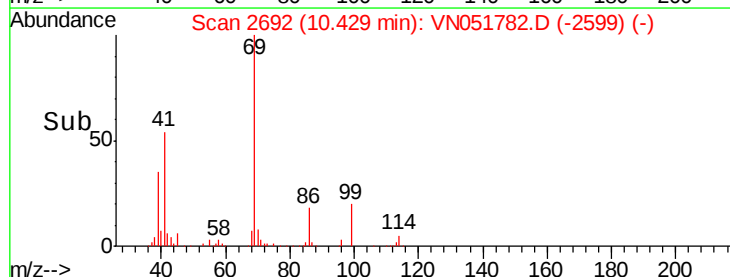
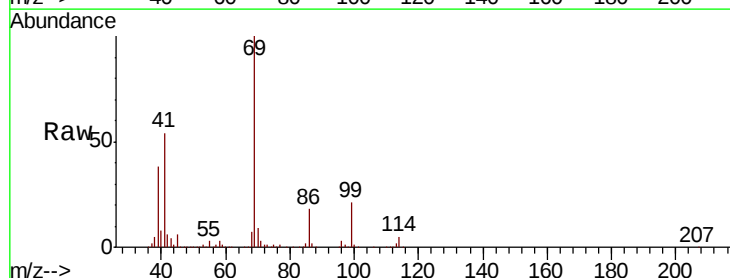
Manual Integrations
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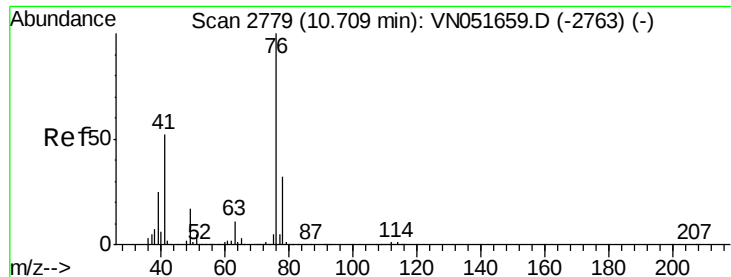
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.964 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion:	69	Resp:	491519
Ion	Ratio	Lower	Upper
69	100		
41	53.2	46.4	69.6
39	37.8	32.4	48.6





#57

1,3-Dichloropropane

Concen: 53.205 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 76 Resp: 617963

Ion Ratio Lower Upper

76 100

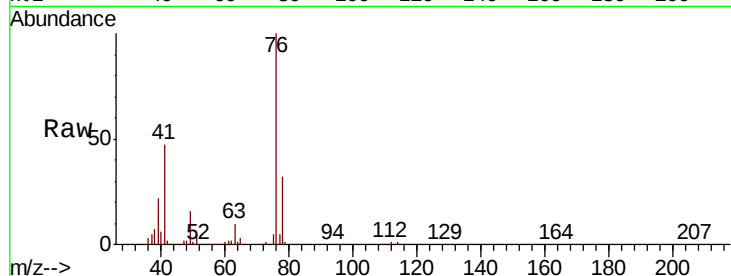
78 32.3 26.0 39.0

Manual Integrations

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MMDadoda

10/11/2018 5:51:14 PM



Abundance Ion 75.90 (75.60 to 76.60): VN051659.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051659.D (-2763) (-)

10.71

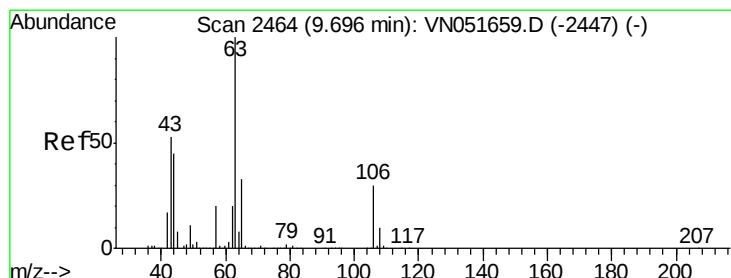
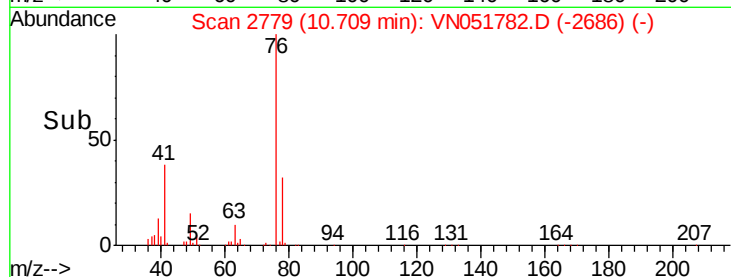
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 252.316 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051782.D

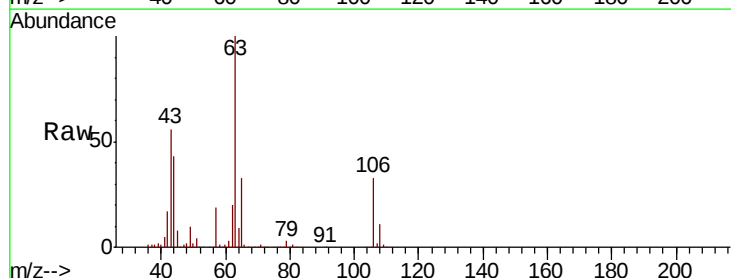
Acq: 10 Oct 2018 11:37

Tgt Ion: 63 Resp: 969099

Ion Ratio Lower Upper

63 100

106 33.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN051659.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051659.D (-2447) (-)

9.70

600000

500000

400000

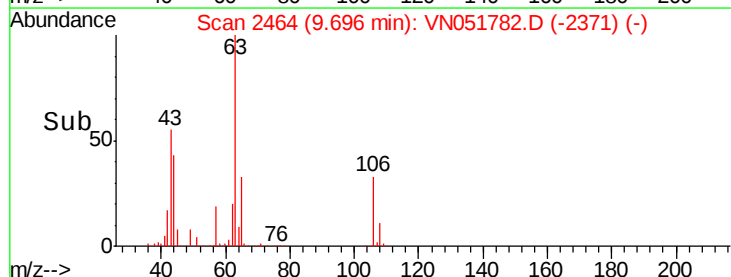
300000

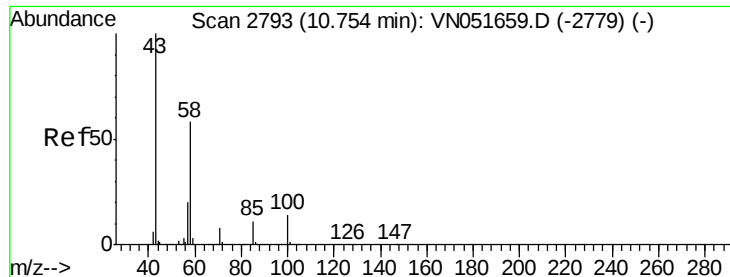
200000

100000

0

Time-->





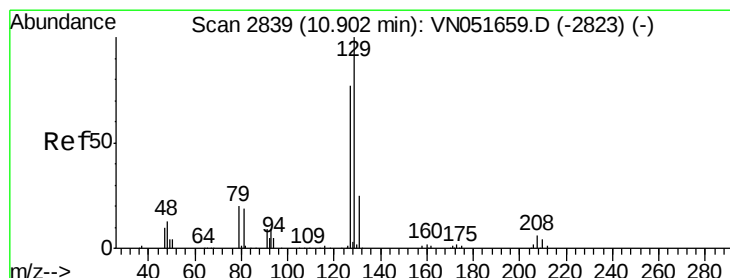
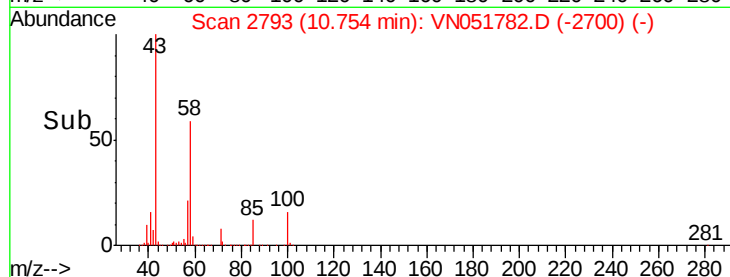
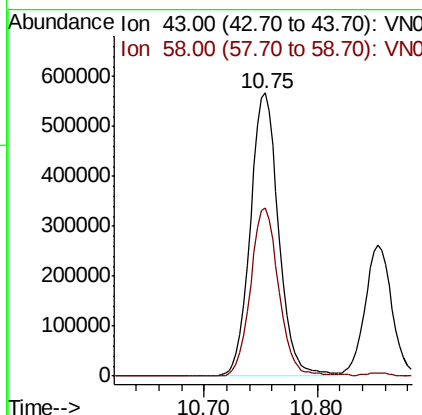
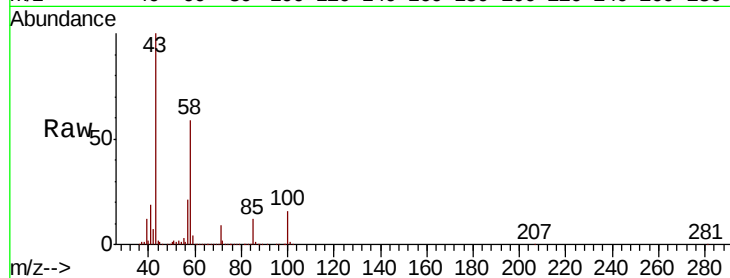
#59
2-Hexanone
Concen: 252.214 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion: 43 Resp: 986091
Ion Ratio Lower Upper
43 100
58 59.6 28.8 86.4

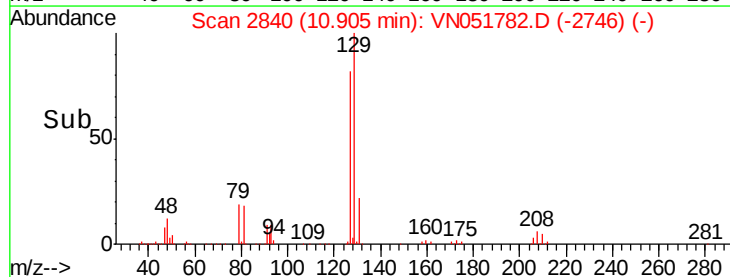
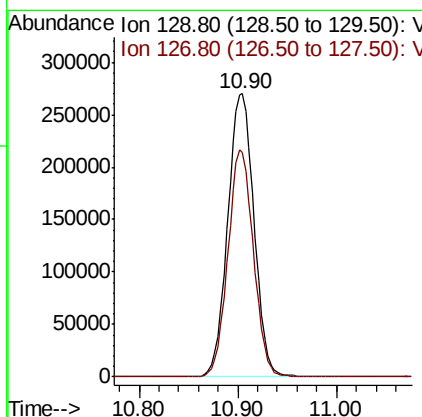
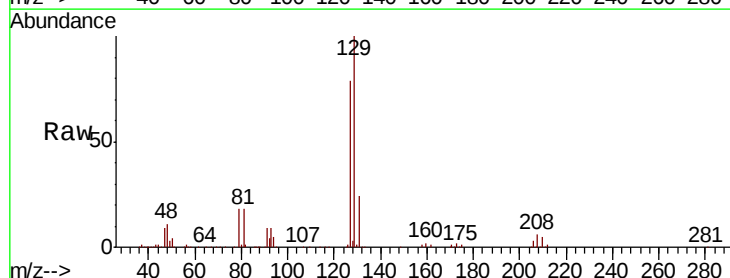
Manual Integrations
APPROVED

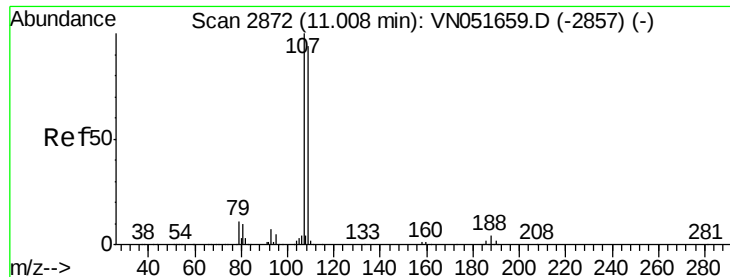
MMDadoda
10/11/2018 5:51:14 PM



#60
Dibromochloromethane
Concen: 52.405 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion: 129 Resp: 503271
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





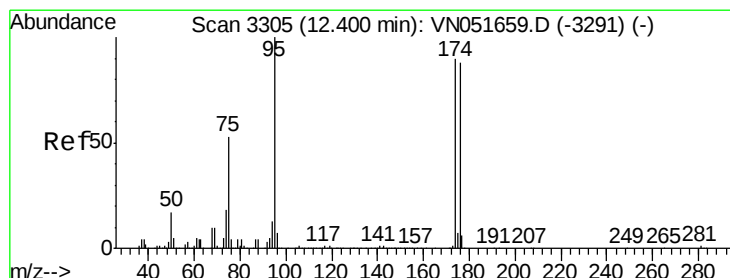
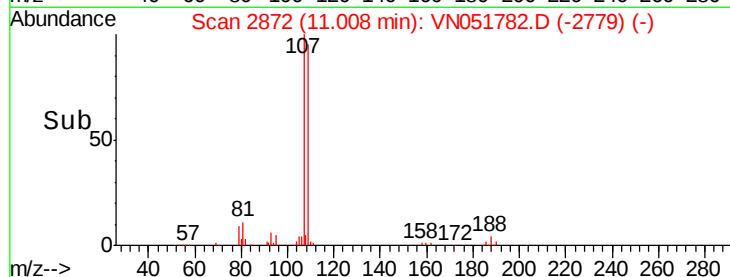
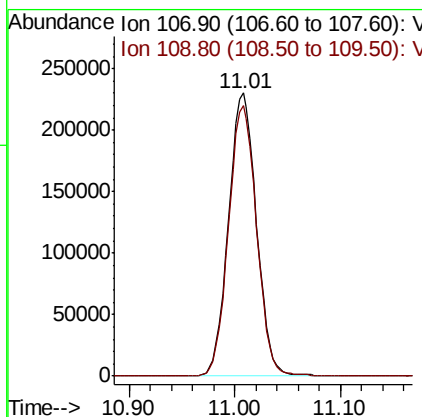
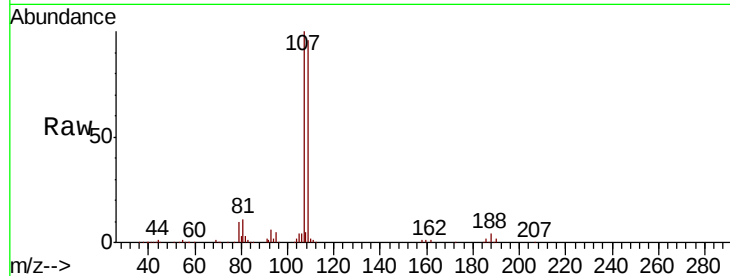
#61
 1,2-Dibromoethane
 Concen: 54.334 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.0

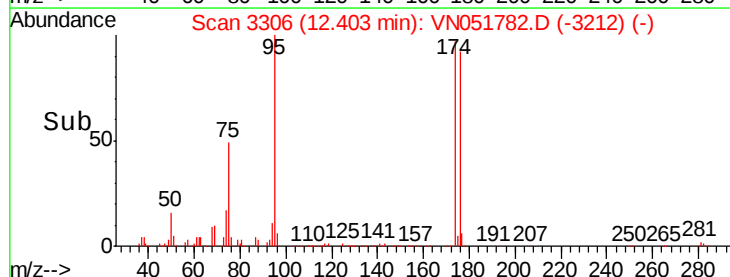
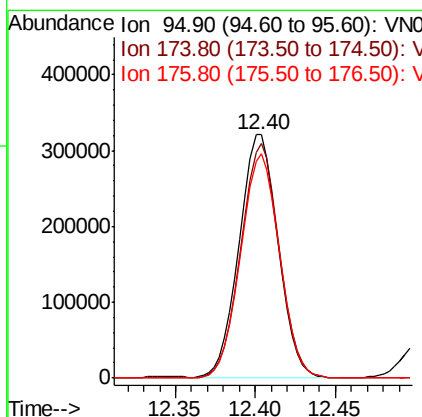
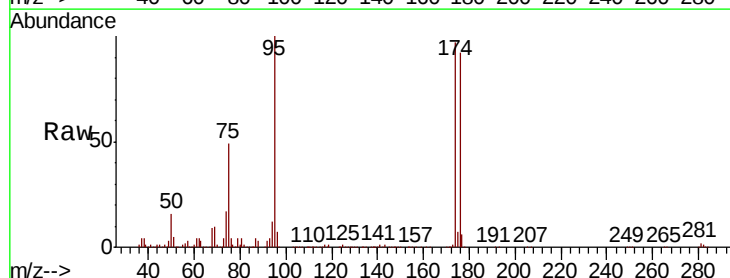
Manual Integrations
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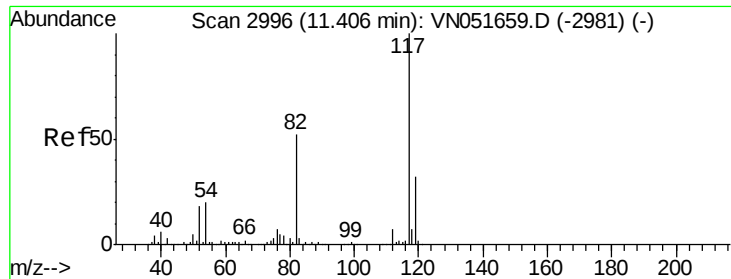
MMDadoda
 10/11/2018 5:51:14 PM



#62
 4-Bromofluorobenzene
 Concen: 54.334 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	182.8
176	92.7	0.0	176.4





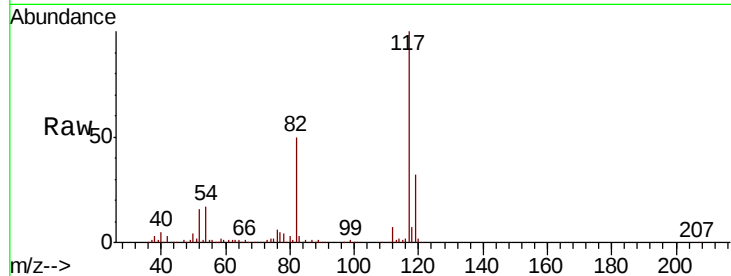
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	955902		
82	49.9		41.3	61.9
119	32.2		25.9	38.9

Manual Integrations
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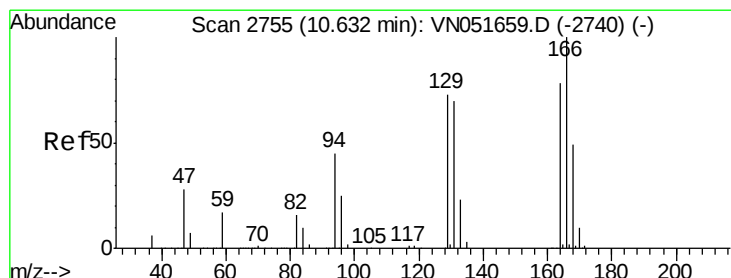
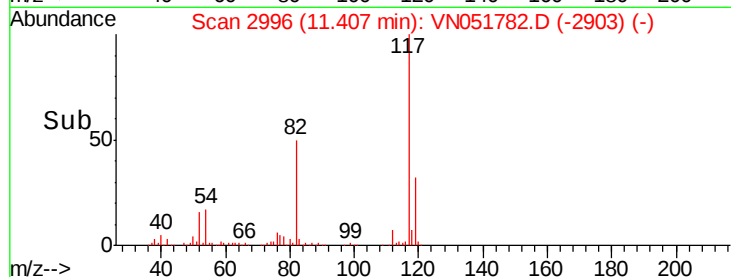
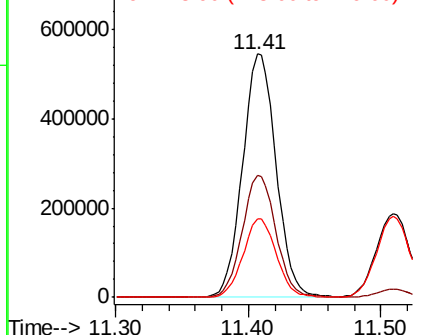


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 54.009 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	455484		
166	128.8		103.0	154.6
129	92.5		75.2	112.8
131	89.4		71.7	107.5

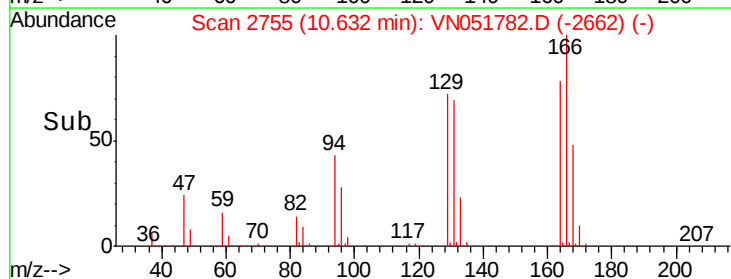
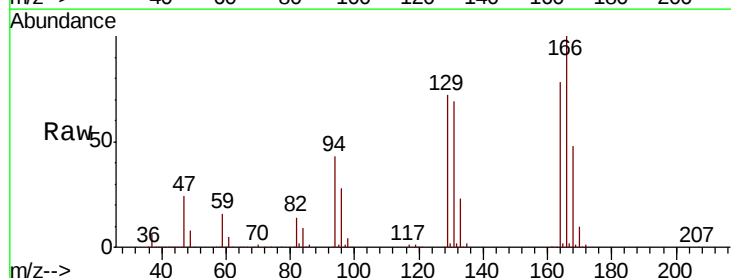
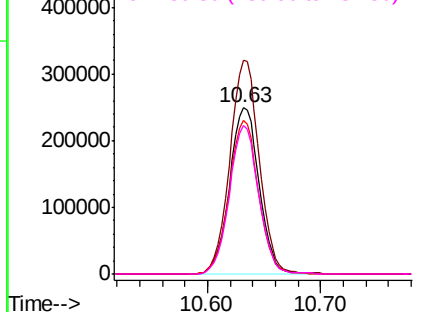
Abundance

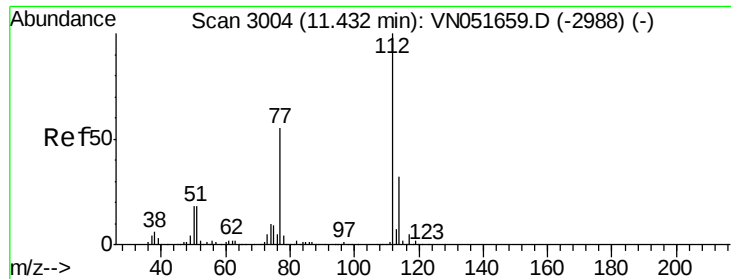
Ion 163.80 (163.50 to 164.50): V

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





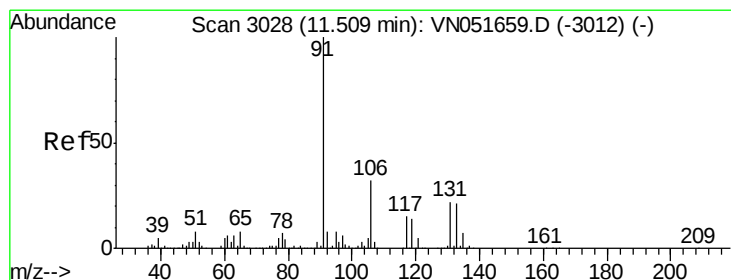
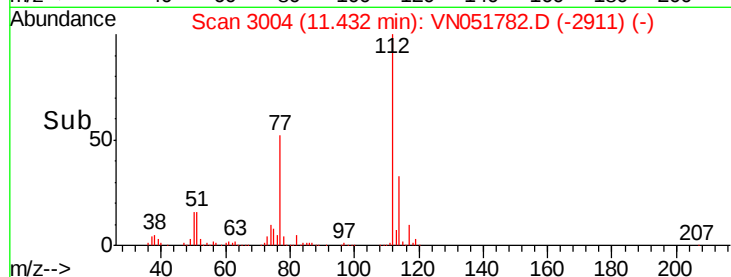
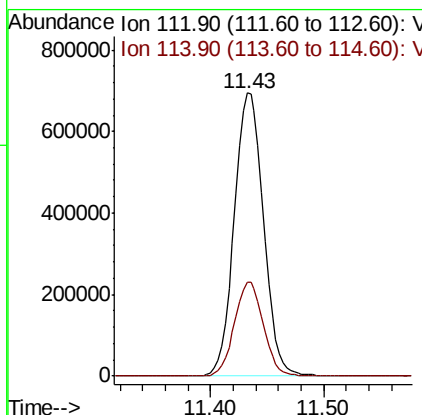
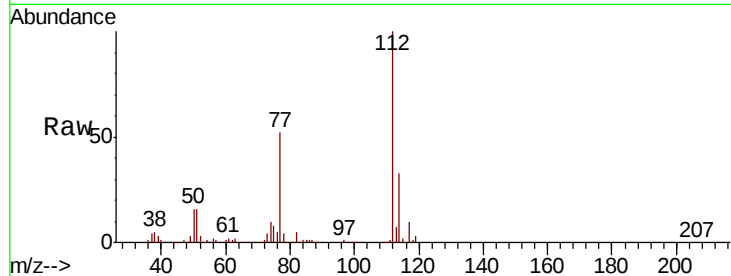
#65
Chlorobenzene
Concen: 52.797 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion:112 Resp: 1249950
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9

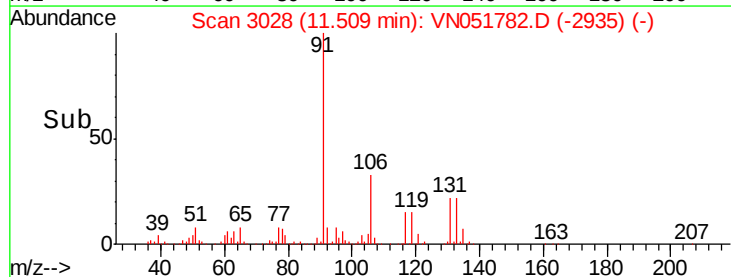
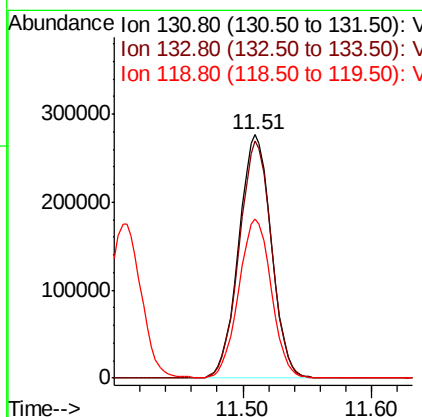
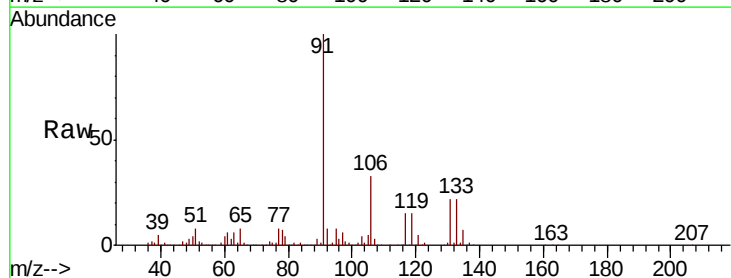
Manual Integrations
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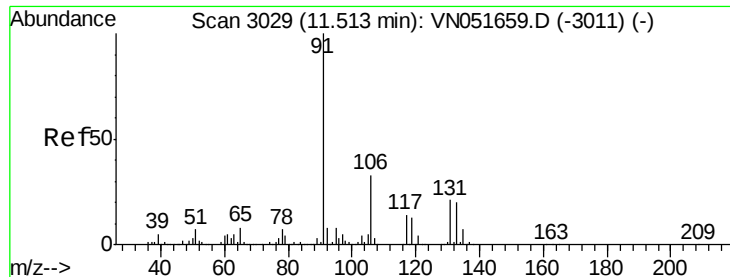
MMDadoda
10/11/2018 5:51:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.190 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion:131 Resp: 485248
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.8
119 65.7 32.0 96.0





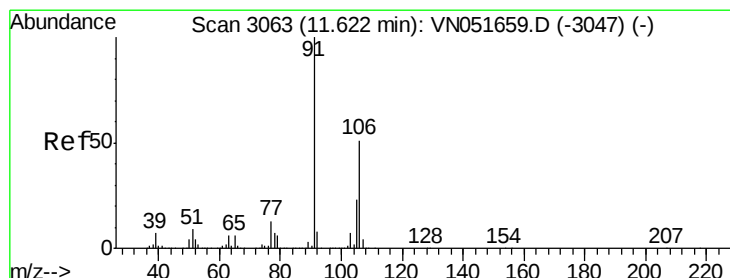
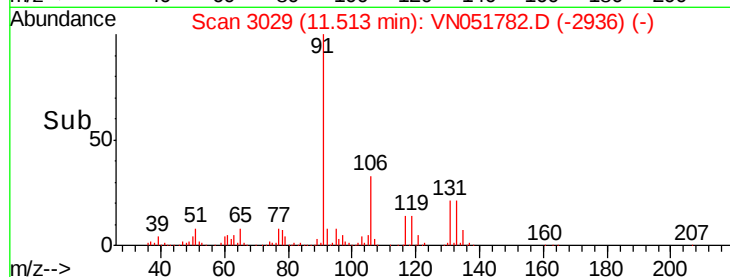
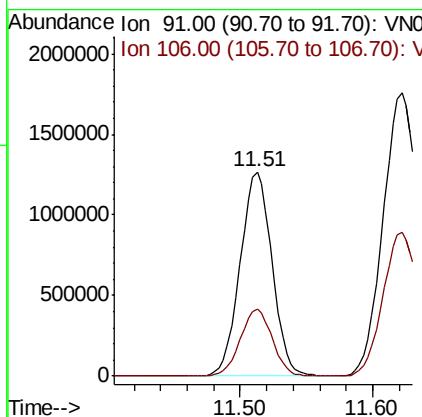
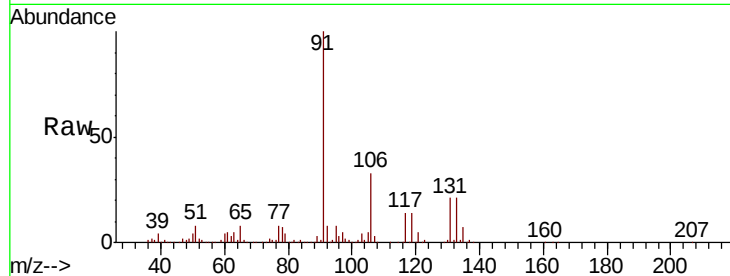
#67
Ethyl Benzene
Concen: 51.715 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion: 91 Resp: 2116175
Ion Ratio Lower Upper
91 100
106 32.7 26.0 39.0

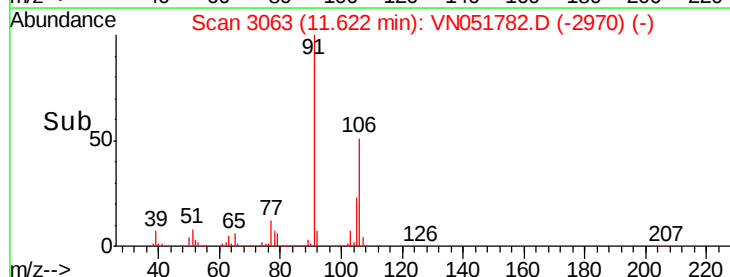
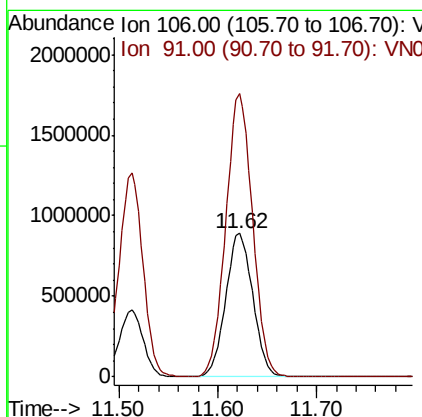
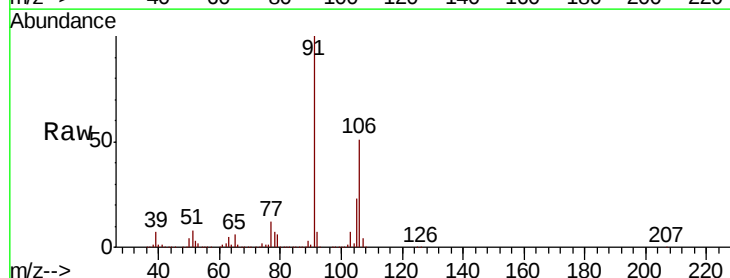
Manual Integrations
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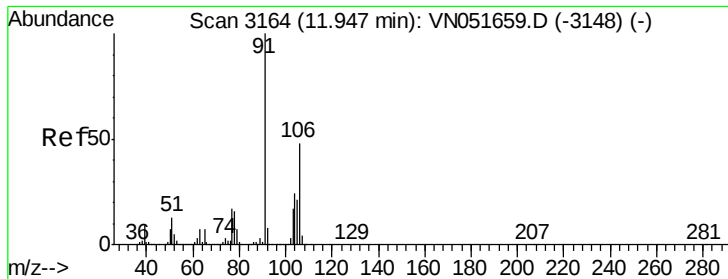
MMDadoda
10/11/2018 5:51:14 PM



#68
m/p-Xylenes
Concen: 104.742 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion: 106 Resp: 1714922
Ion Ratio Lower Upper
106 100
91 195.2 158.4 237.6





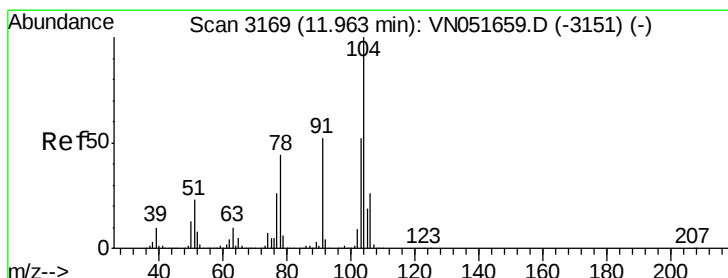
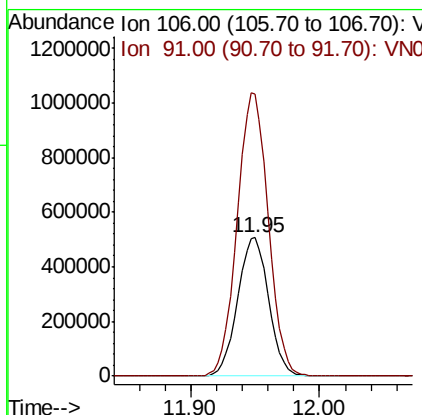
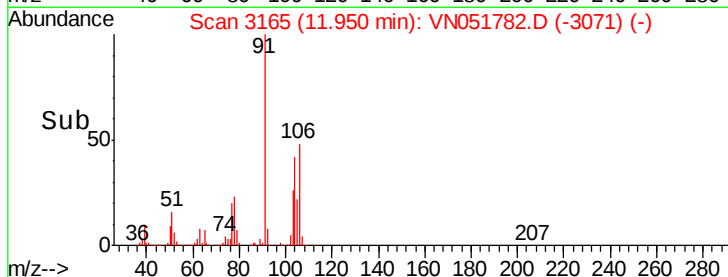
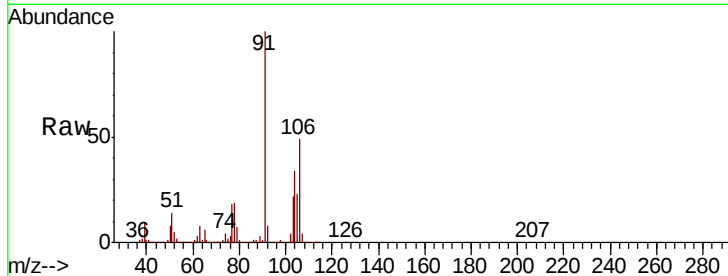
#69
o-Xylene
Concen: 52.681 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion:106 Resp: 845891
Ion Ratio Lower Upper
106 100
91 205.1 104.4 313.2

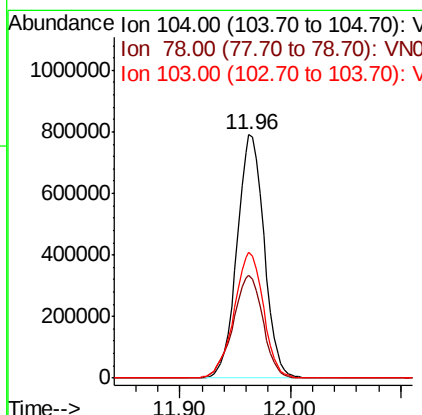
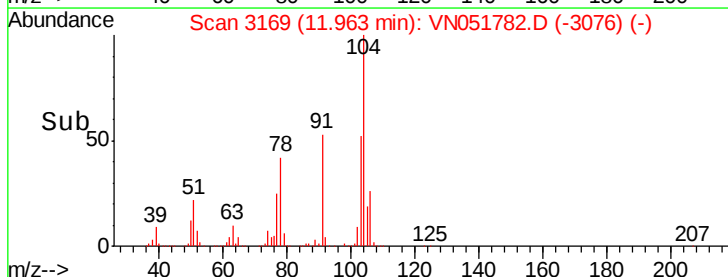
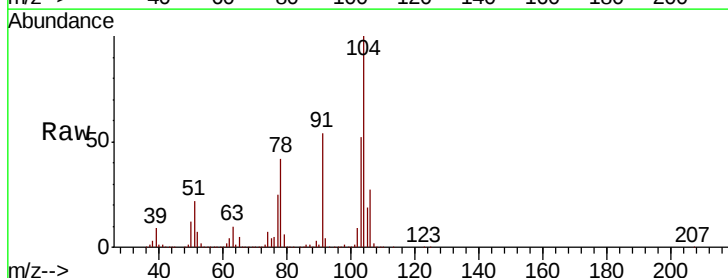
Manual Integrations
APPROVED

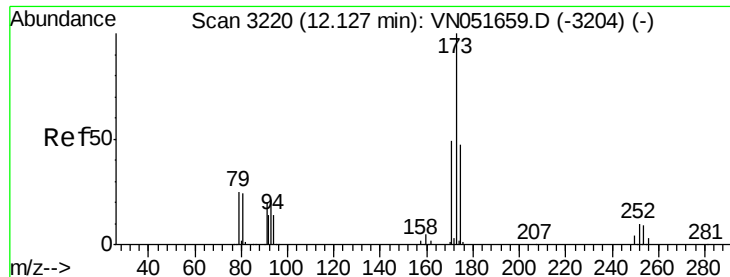
MMDadoda
10/11/2018 5:51:14 PM



#70
Styrene
Concen: 52.574 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion:104 Resp: 1345145
Ion Ratio Lower Upper
104 100
78 46.6 39.3 58.9
103 56.1 45.0 67.6





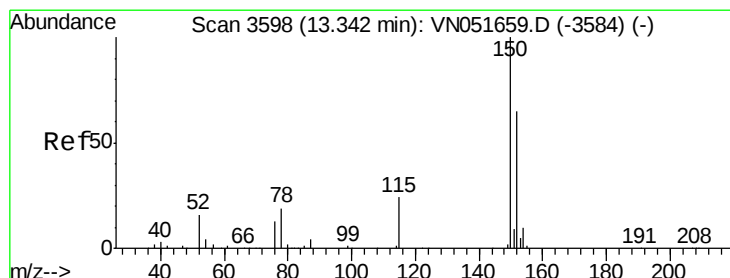
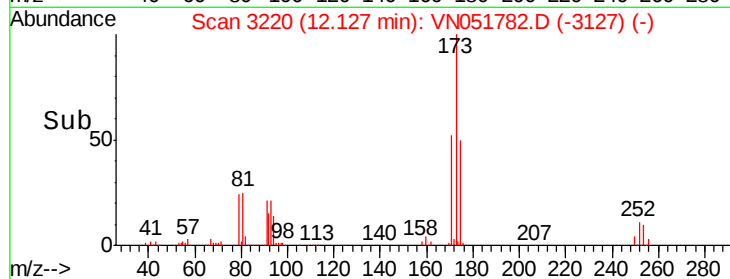
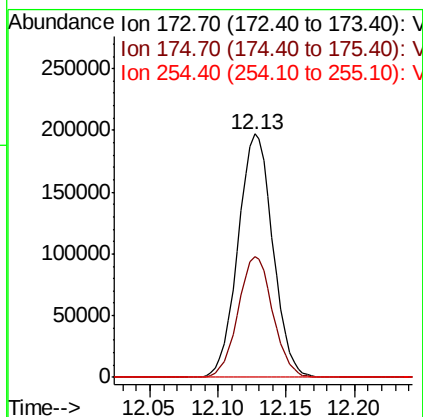
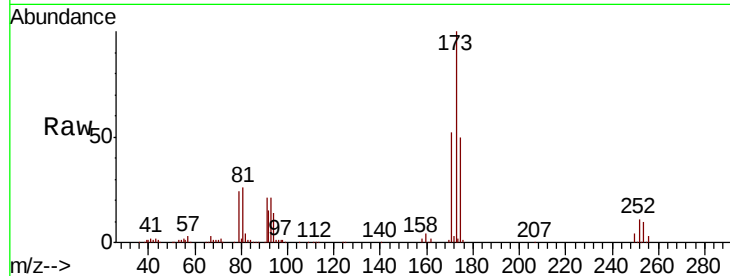
#71
Bromoform
Concen: 49.532 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	0.1	0.1	0.1

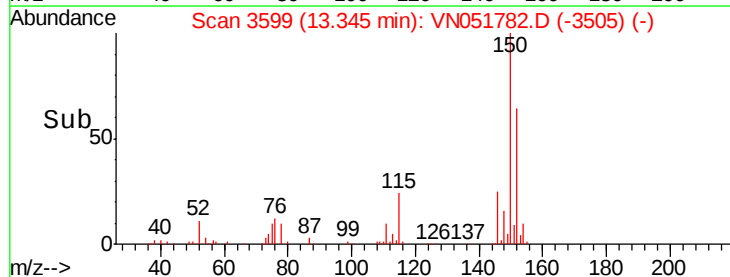
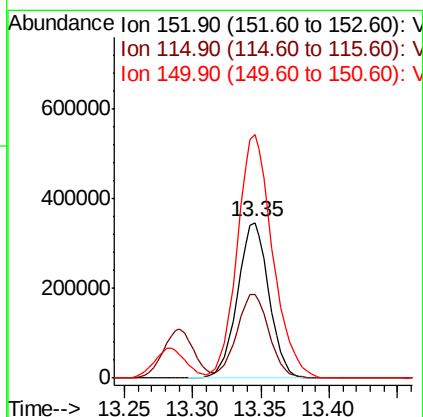
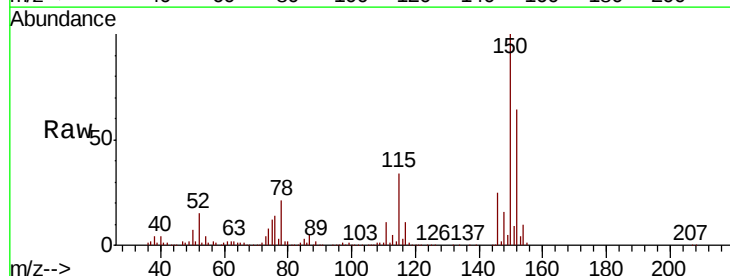
Manual Integrations
APPROVED

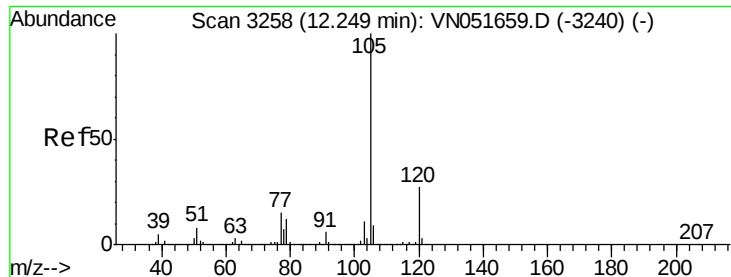
MMDadoda
10/11/2018 5:51:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.6	85.8
150	176.8	0.0	352.4





#73

Isopropylbenzene

Concen: 48.614 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:105 Resp: 2281834

Ion Ratio Lower Upper

105 100

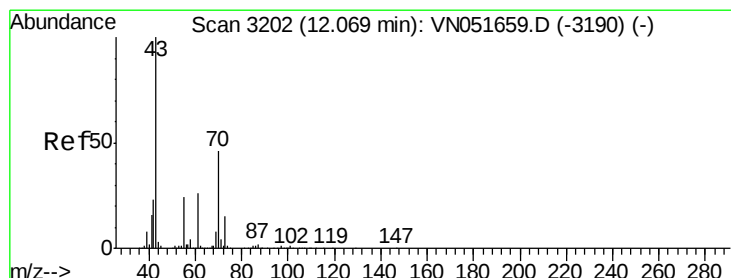
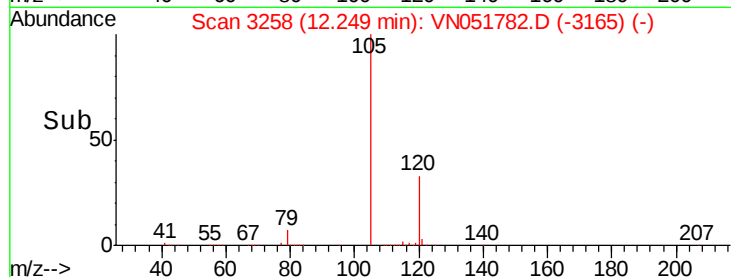
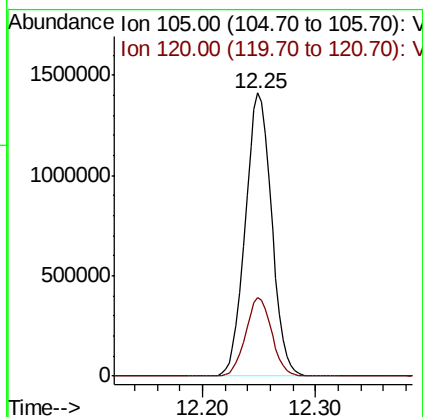
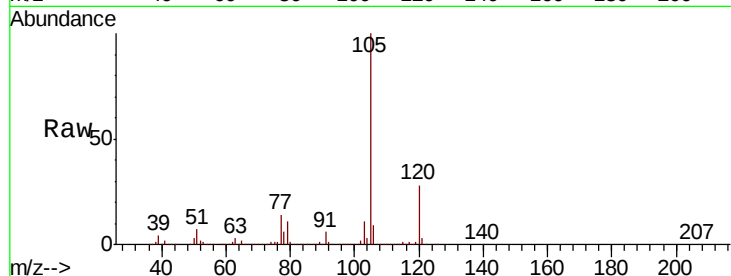
120 27.5 13.9 41.6

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:51:14 PM



#74

N-ethyl acetate

Concen: 50.887 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Tgt Ion: 43 Resp: 493093

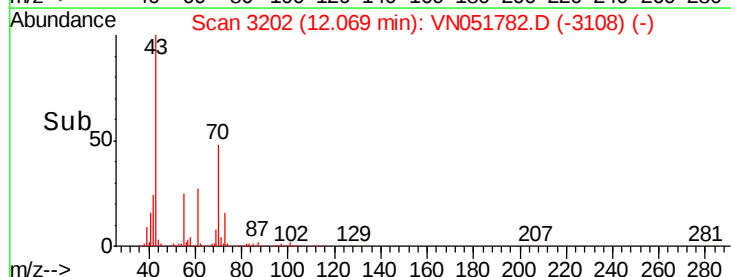
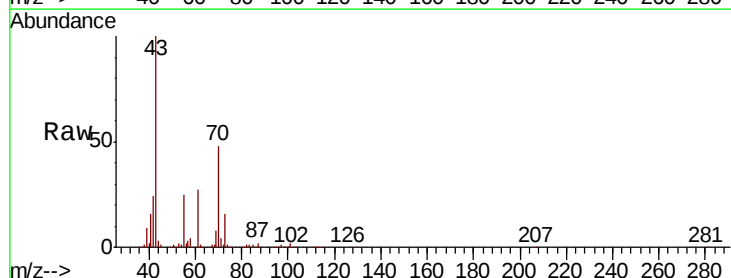
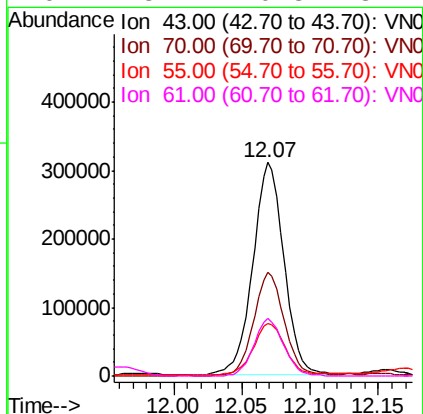
Ion Ratio Lower Upper

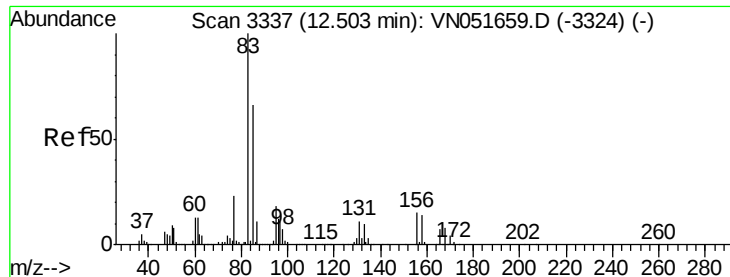
43 100

70 47.4 37.1 55.7

55 25.1 19.1 28.7

61 25.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.577 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

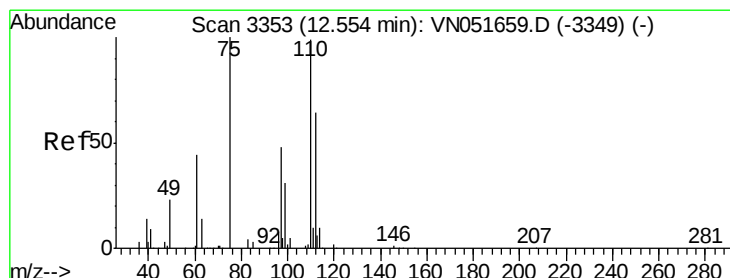
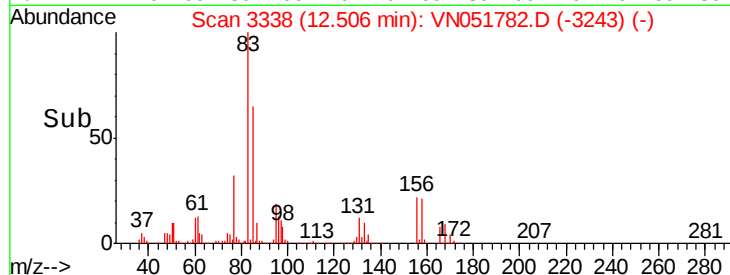
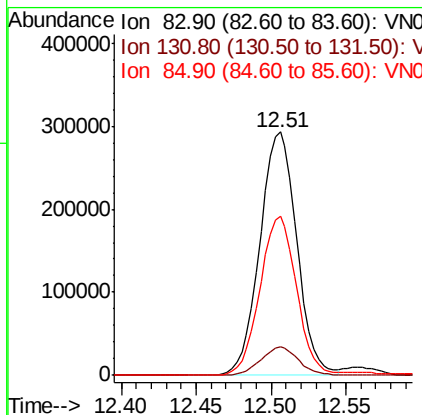
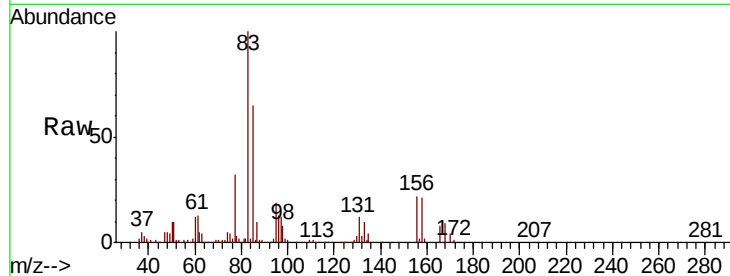
ClientSampleId :

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

Tot Ion:	83	Resp:	501855
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.7	17.1
85	64.8	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 60.408 ug/l m

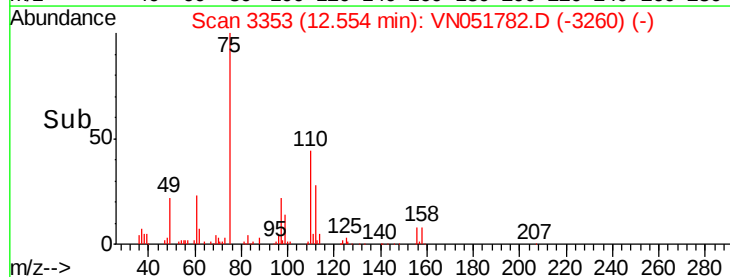
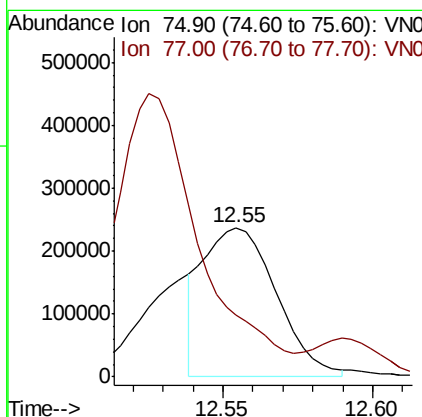
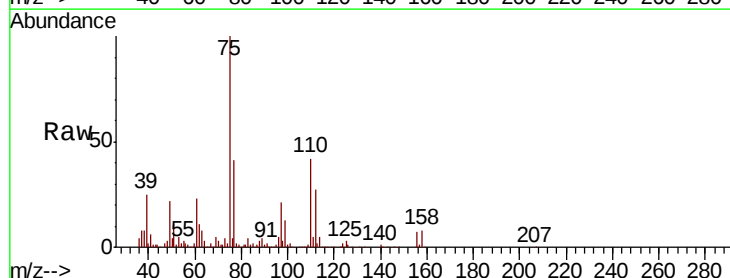
RT: 12.55 min Scan# 3353

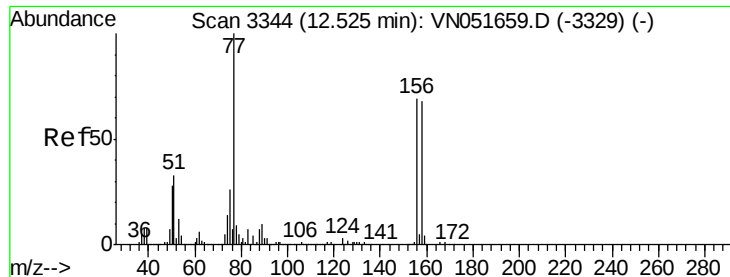
Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Tgt Ion:	75	Resp:	407449
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.973 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

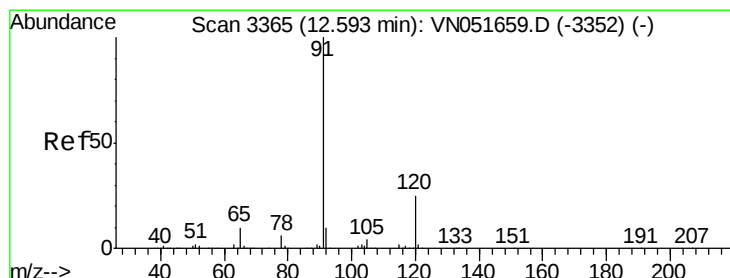
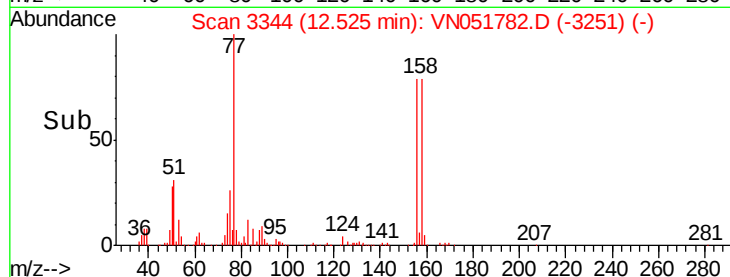
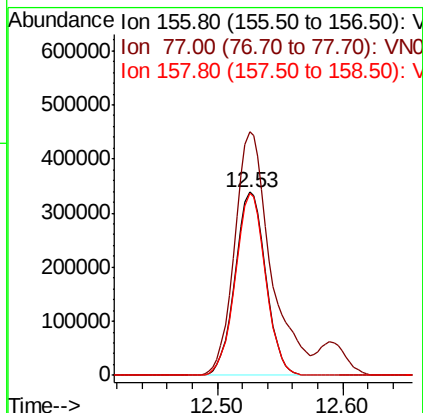
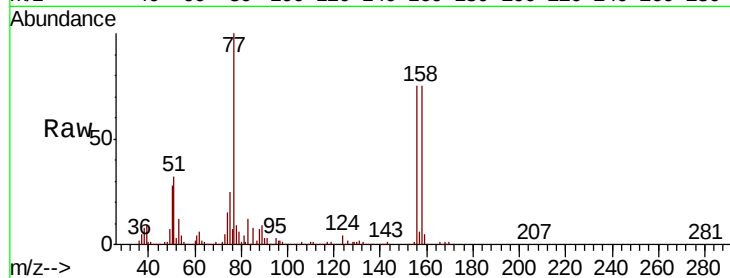
ClientSampleId :

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

Tot Ion:	156	Resp:	573528
Ion Ratio	Lower	Upper	
156	100		
77	156.4	83.2	249.4
158	98.3	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 48.860 ug/l

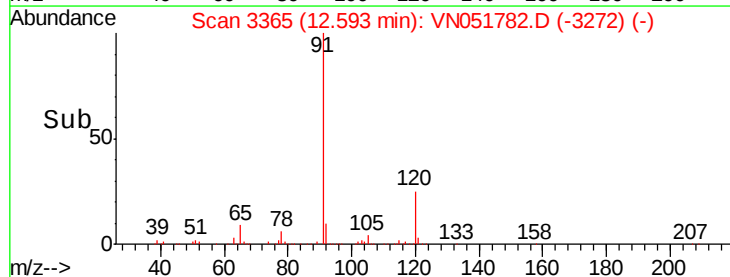
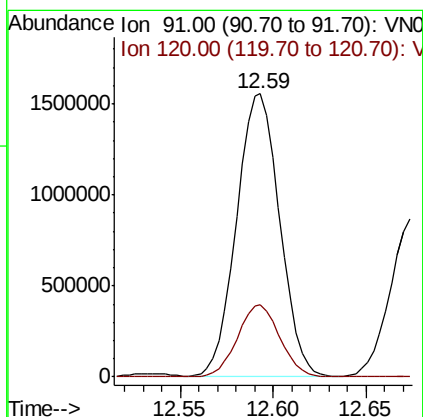
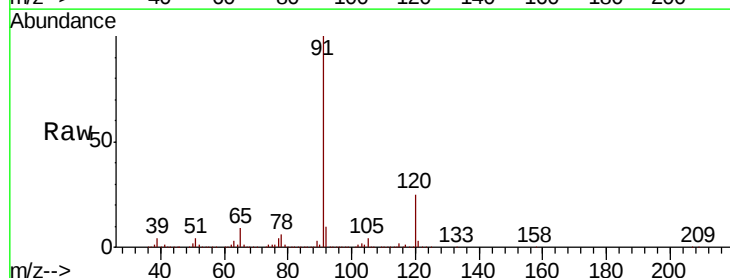
RT: 12.59 min Scan# 3365

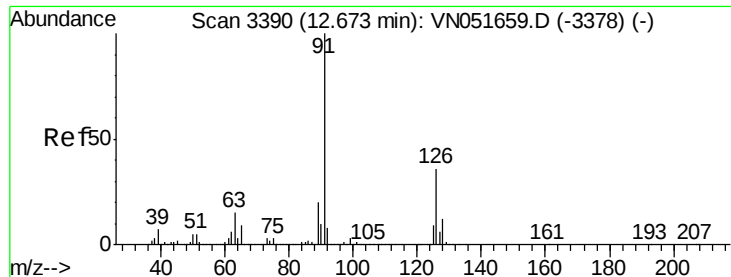
Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Tgt Ion:	91	Resp:	2501409
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.2





#79

2-Chlorotoluene

Concen: 48.487 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 91 Resp: 1462946

Ion Ratio Lower Upper

91 100

126 37.4

18.5

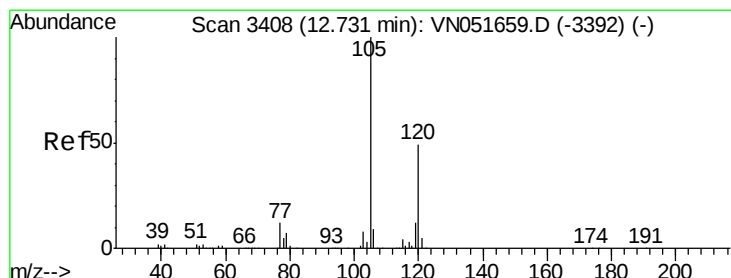
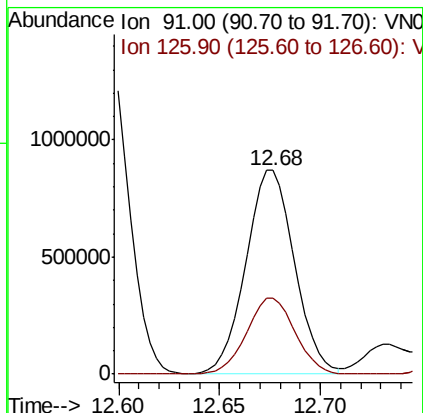
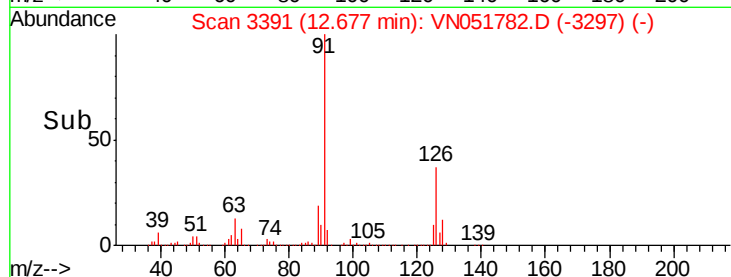
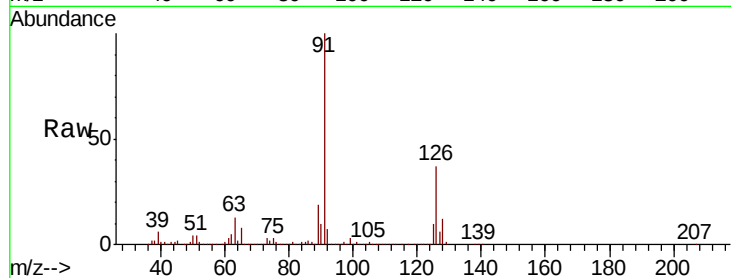
55.5

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#80

1,3,5-Trimethylbenzene

Concen: 48.727 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Tgt Ion: 105 Resp: 1927440

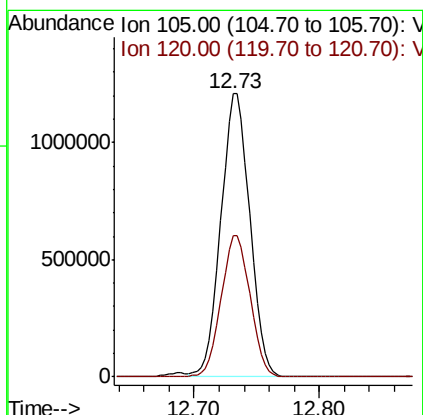
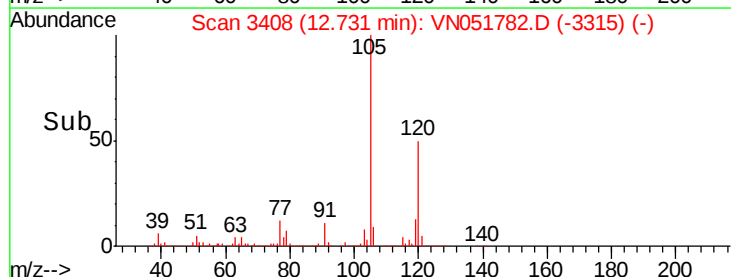
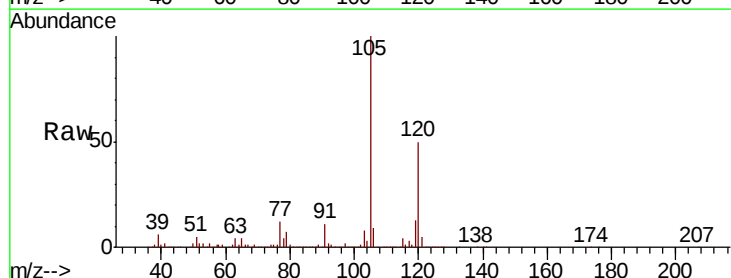
Ion Ratio Lower Upper

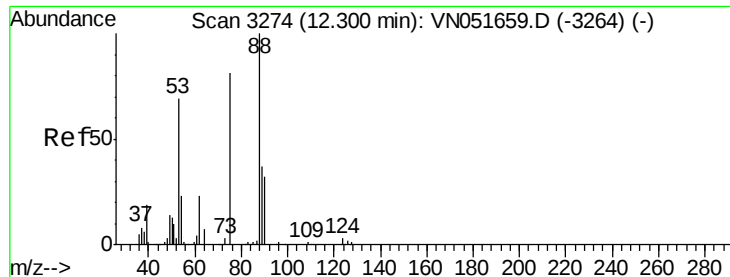
105 100

120 50.5

24.6

74.0





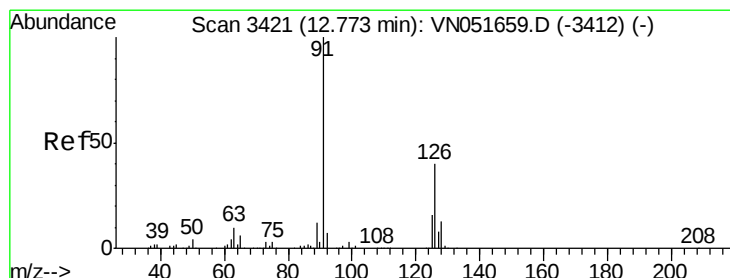
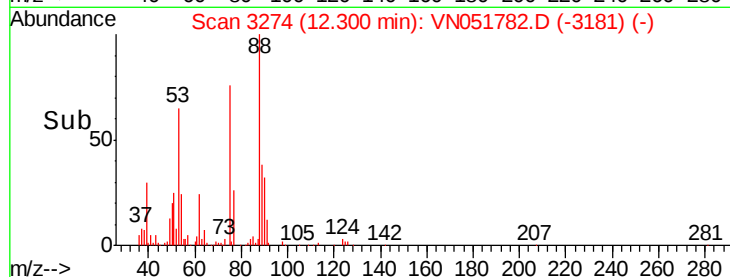
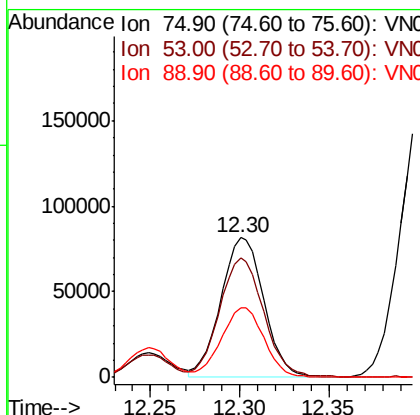
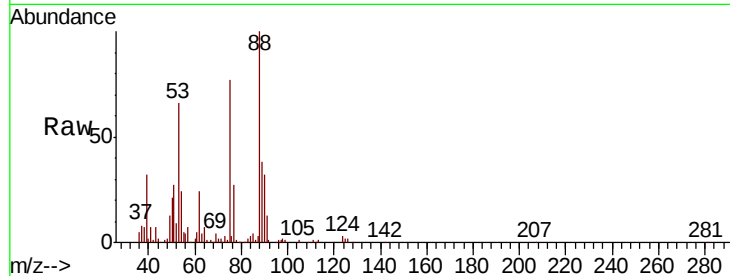
#81
trans-1,4-Dichloro-2-butene
Concen: 45.263 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	68.6	102.8
89	50.3	39.4	59.2

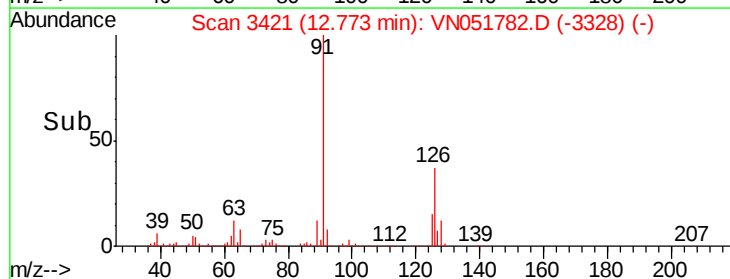
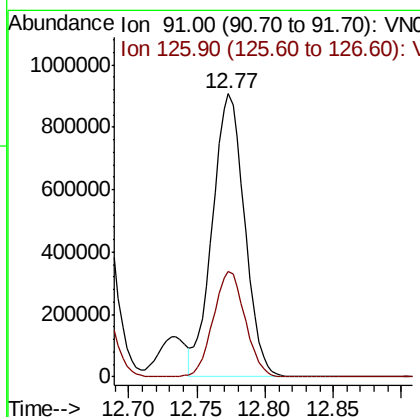
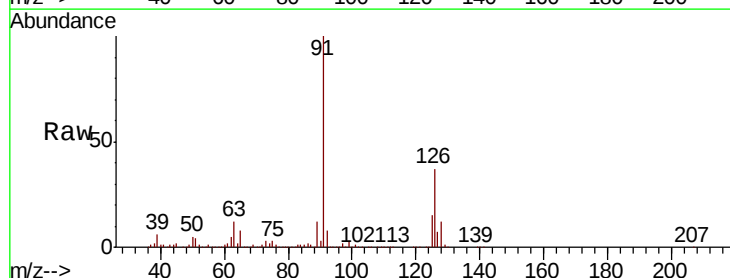
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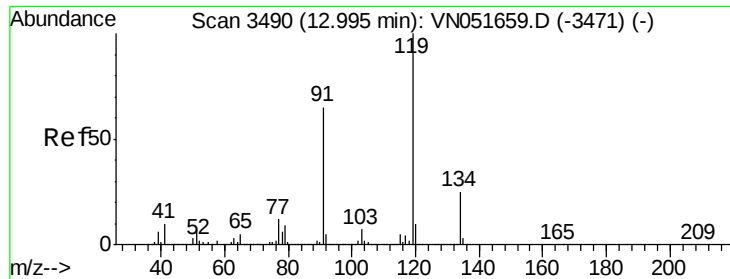
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#82
4-Chlorotoluene
Concen: 49.013 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.0	54.0





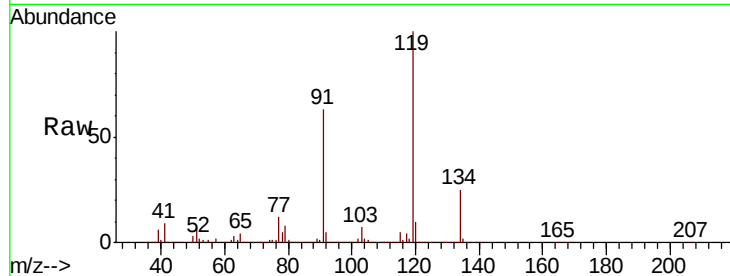
#83
 tert-Butylbenzene
 Concen: 50.111 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

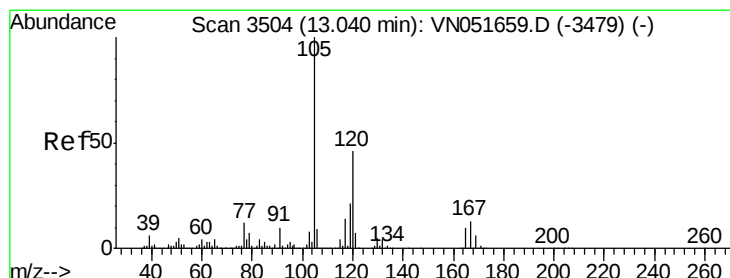
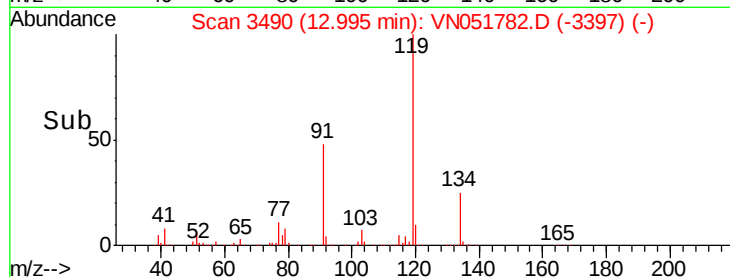
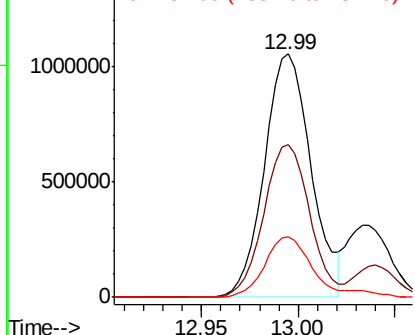
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	32.1	96.5
134	26.3	13.3	39.9

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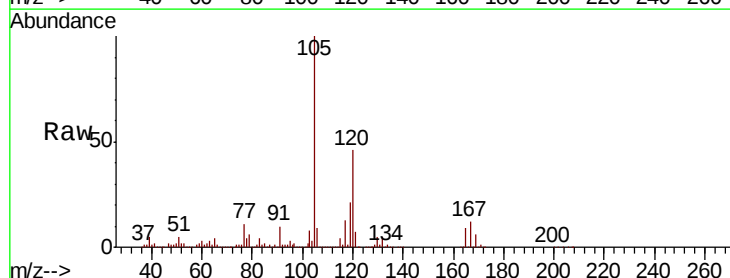


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

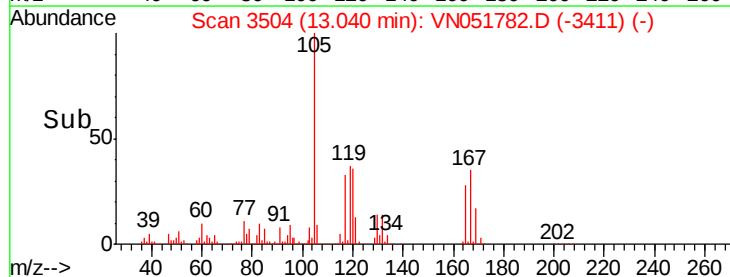
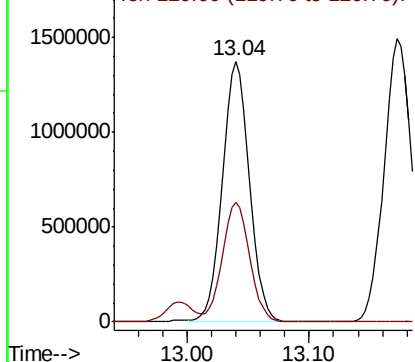


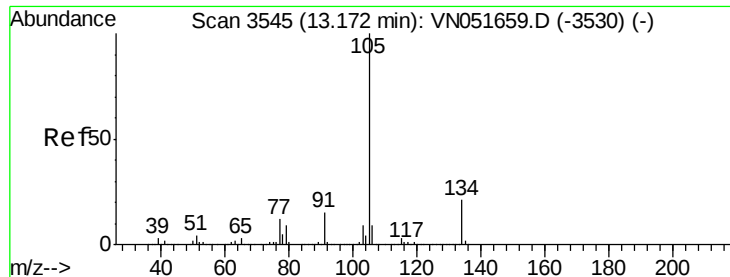
#84
 1,2,4-Trimethylbenzene
 Concen: 53.923 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.7



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





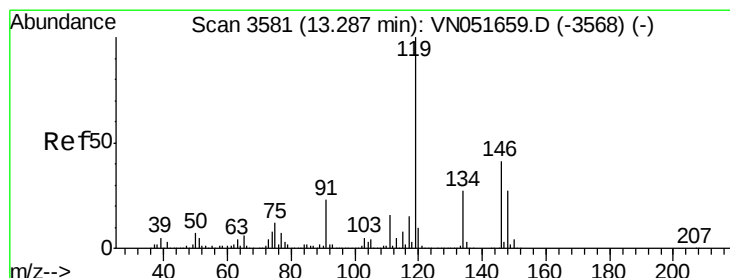
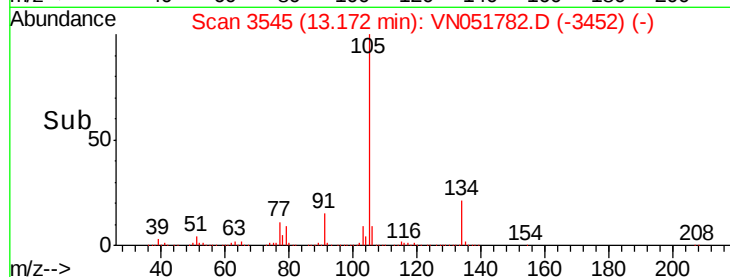
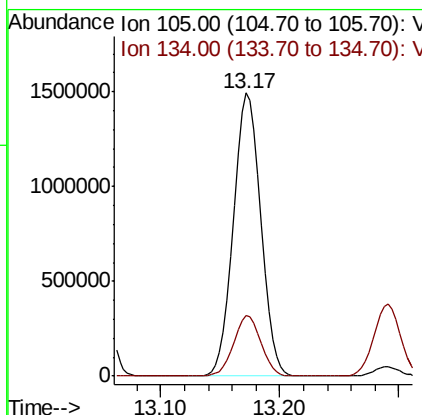
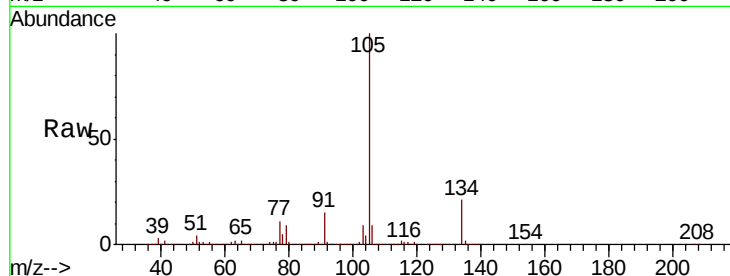
#85
 sec-Butylbenzene
 Concen: 50.688 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion:105 Resp: 2376458
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.6

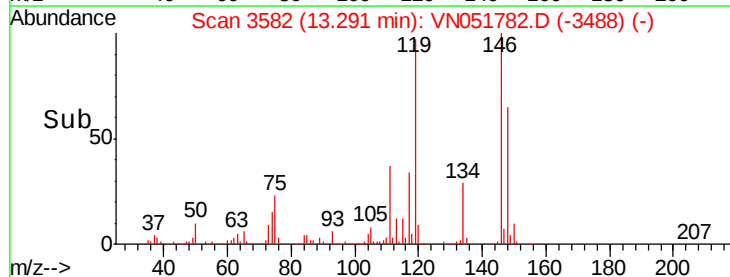
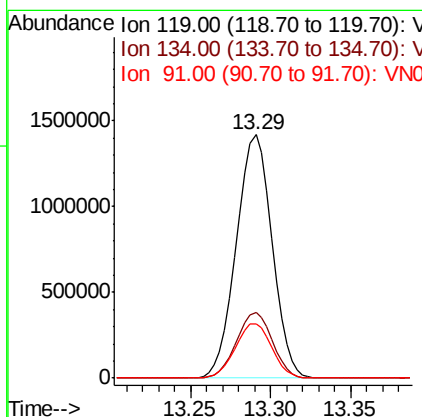
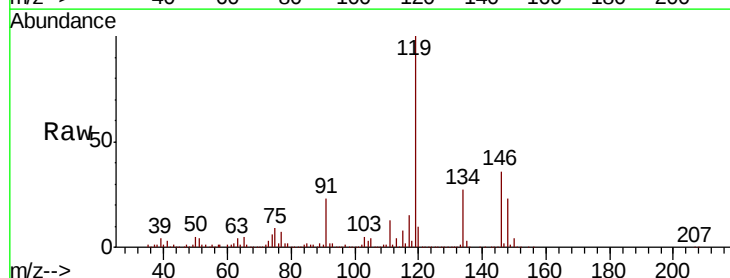
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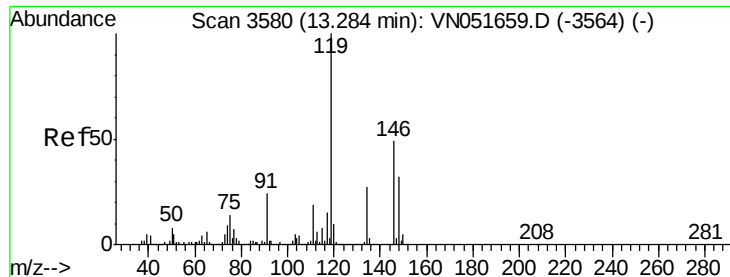
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#86
 p-Isopropyltoluene
 Concen: 51.776 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion:119 Resp: 2152014
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 22.6 11.7 35.1





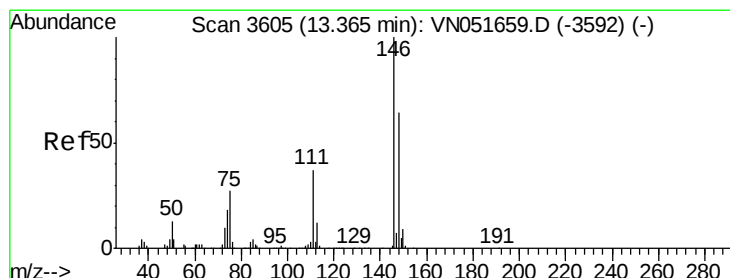
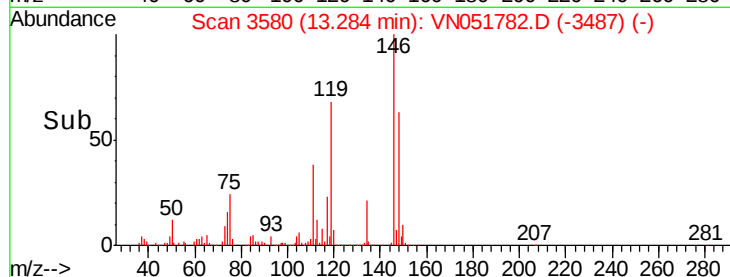
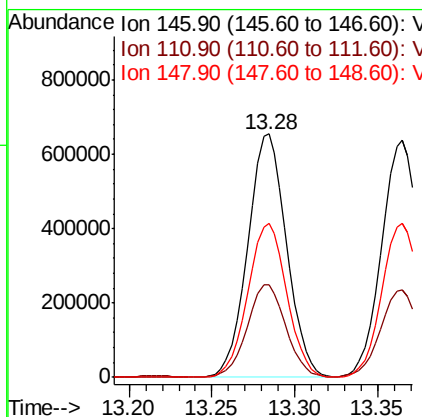
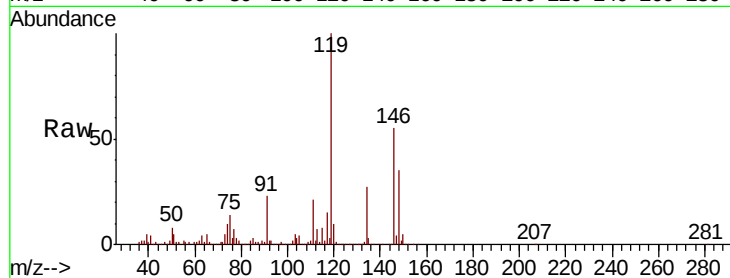
#87
 1,3-Dichlorobenzene
 Concen: 53.315 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	63.5	32.5	97.5

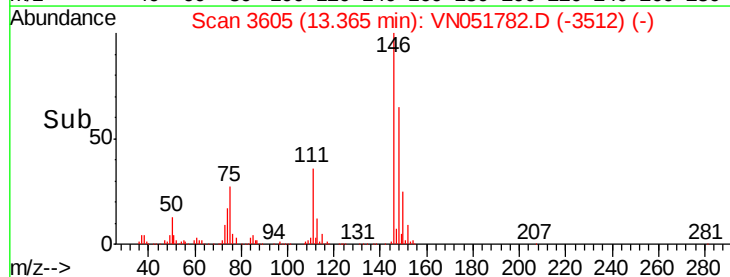
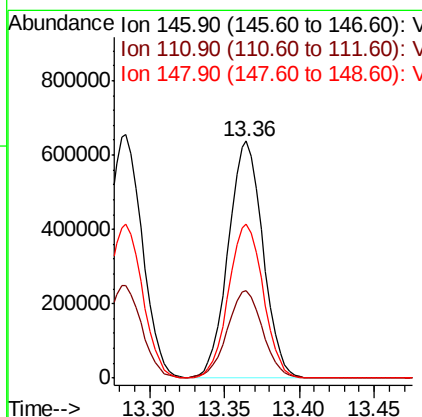
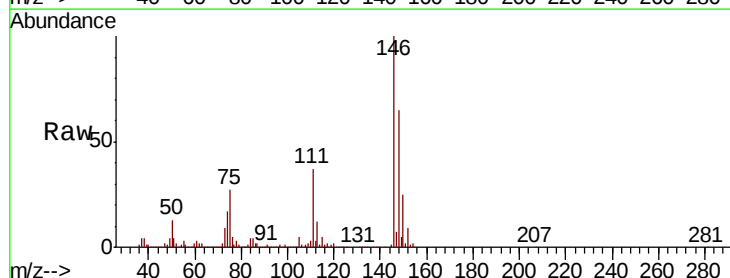
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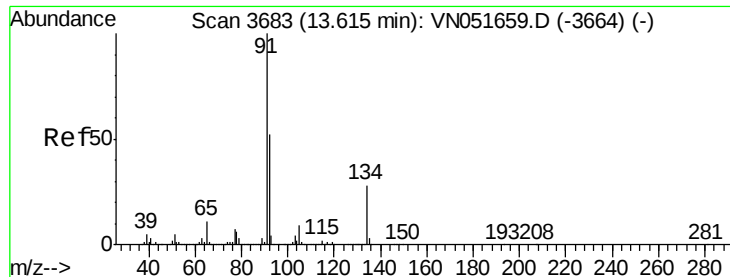
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#88
 1,4-Dichlorobenzene
 Concen: 52.202 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	65.4	32.3	96.8





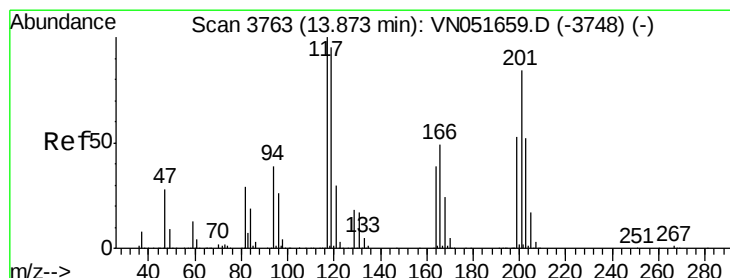
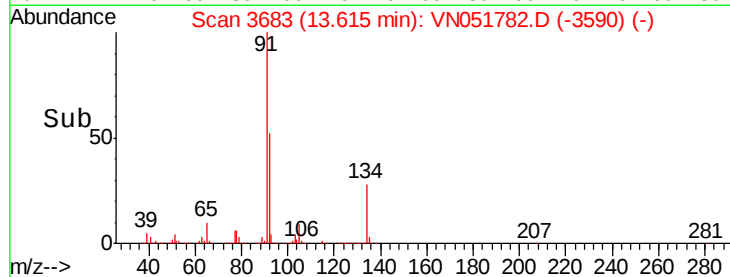
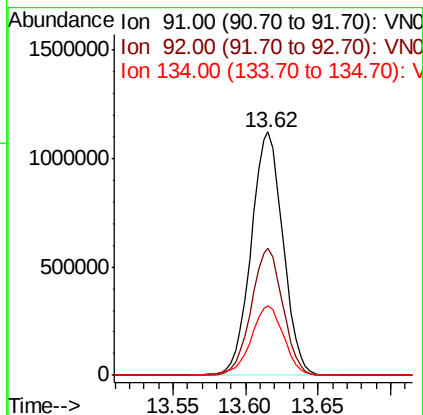
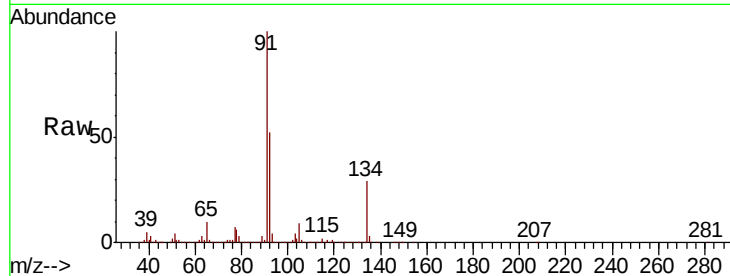
#89
n-Butylbenzene
Concen: 52.213 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	29.3	14.2	42.6

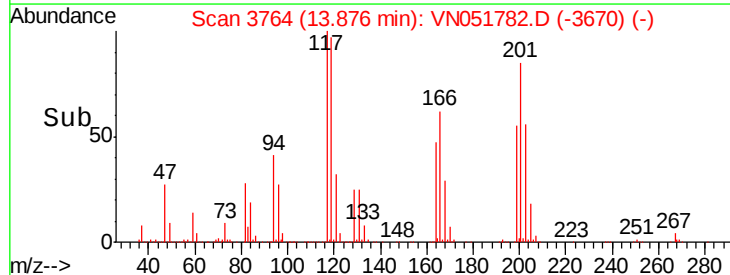
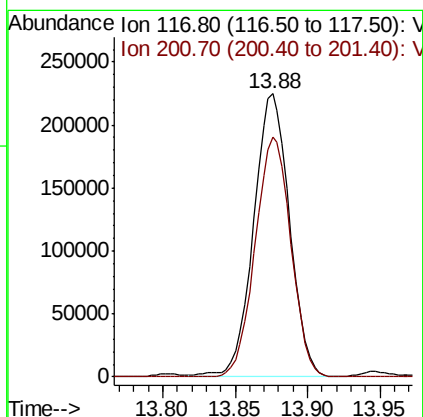
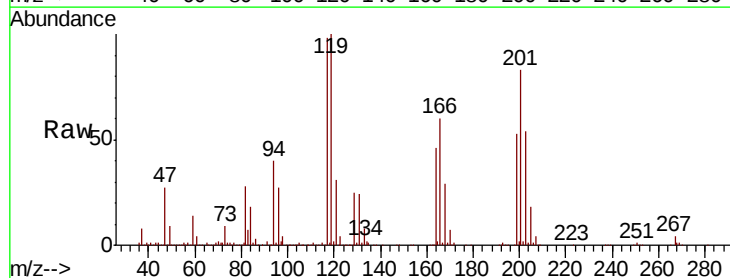
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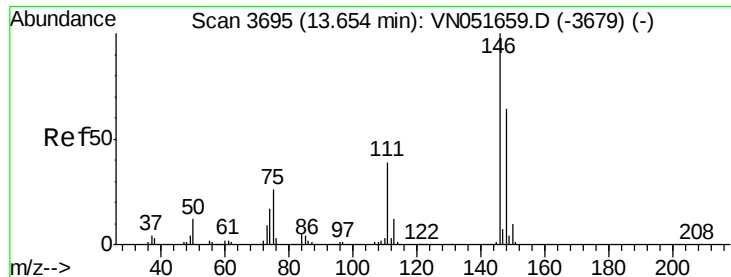
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#90
Hexachloroethane
Concen: 46.586 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	42.4	127.3





#91

1,2-Dichlorobenzene

Concen: 52.566 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:146 Resp: 1045030

Ion Ratio Lower Upper

146 100

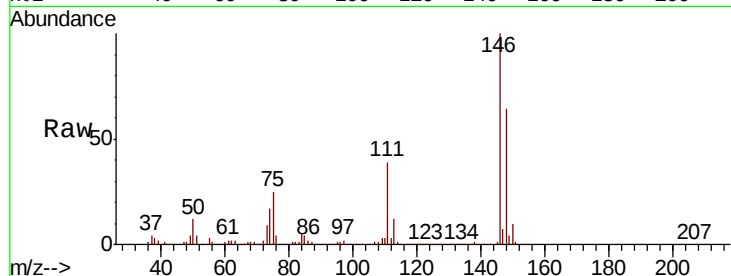
111 38.5 19.7 59.0

148 64.1 32.1 96.3

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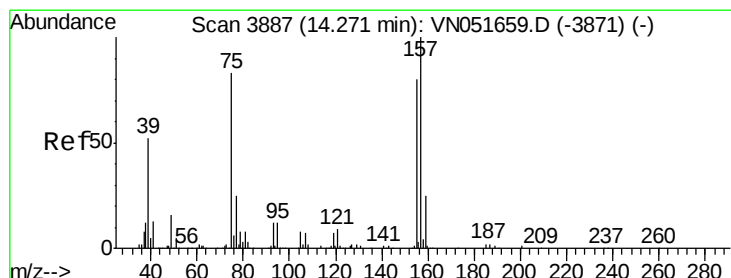
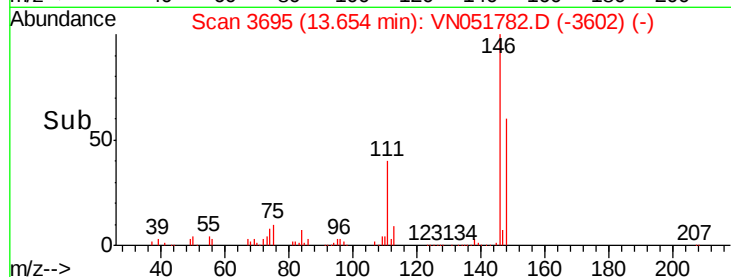
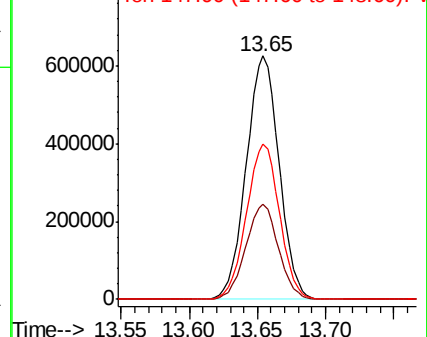


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.699 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051782.D

Acq: 10 Oct 2018 11:37

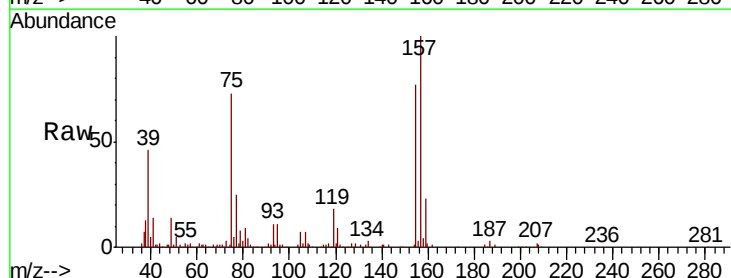
Tgt Ion: 75 Resp: 81945

Ion Ratio Lower Upper

75 100

155 101.4 47.6 142.9

157 131.2 61.7 185.1

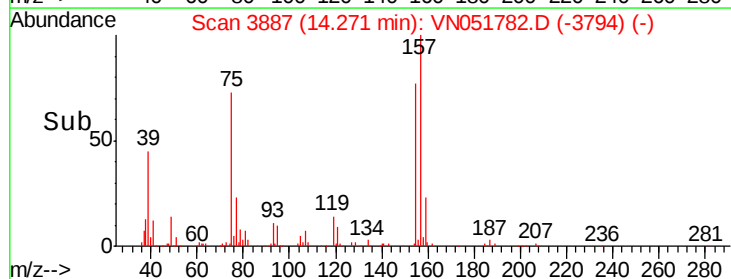
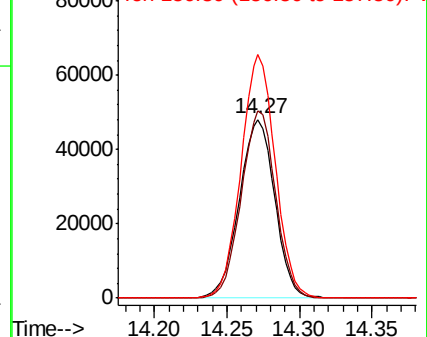


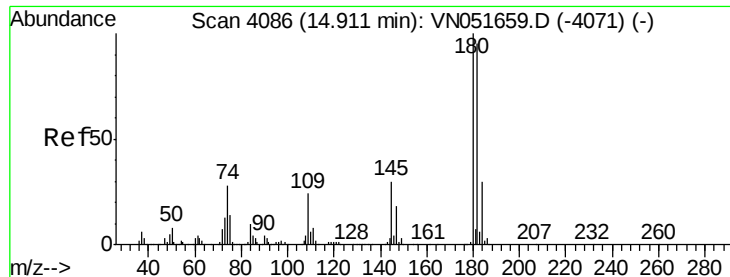
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





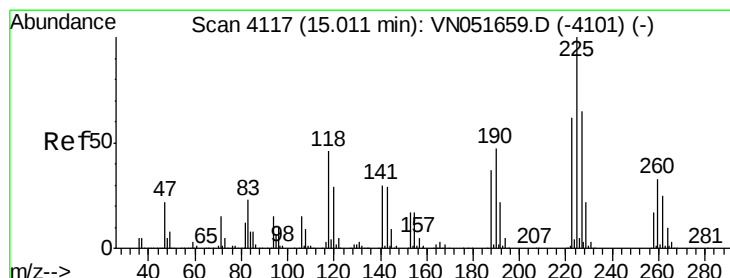
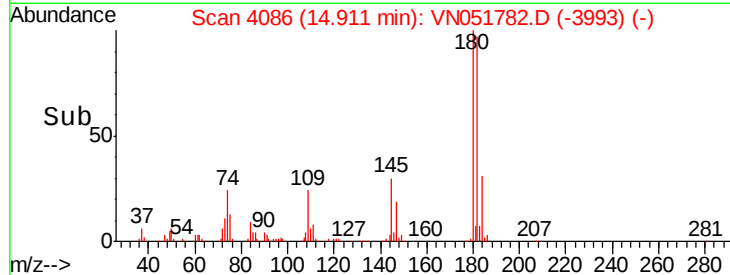
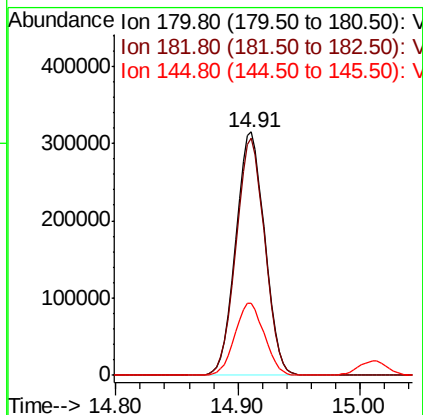
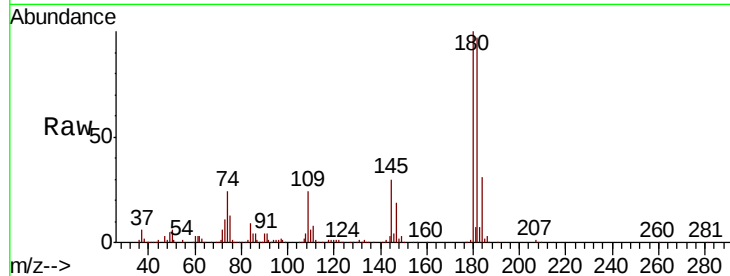
#93
 1,2,4-Trichlorobenzene
 Concen: 58.305 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	515792		
182	96.4	47.7	143.1	
145	30.2	15.3	45.9	

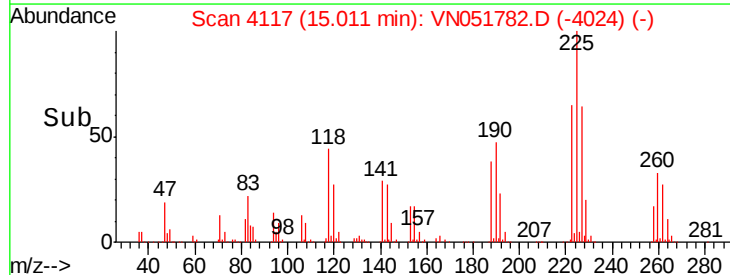
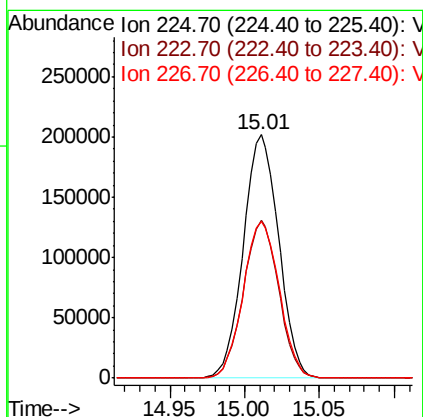
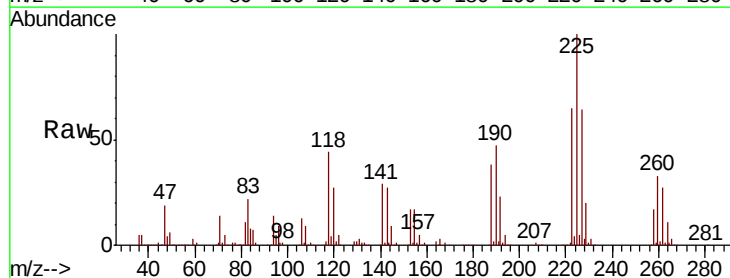
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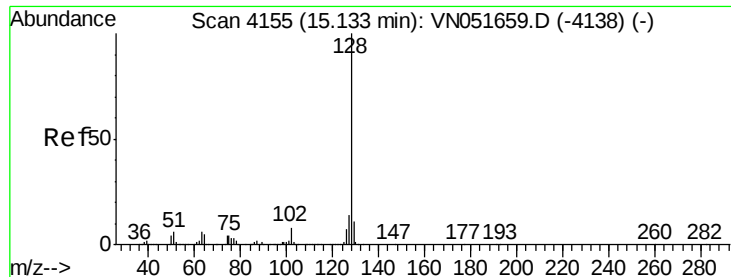
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#94
 Hexachlorobutadiene
 Concen: 55.469 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051782.D
 Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	332934		
223	64.6	31.9	95.5	
227	65.5	31.7	95.1	





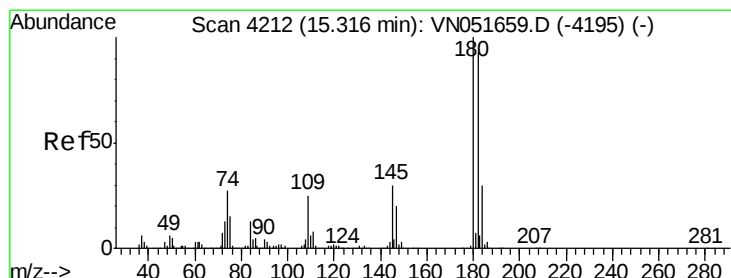
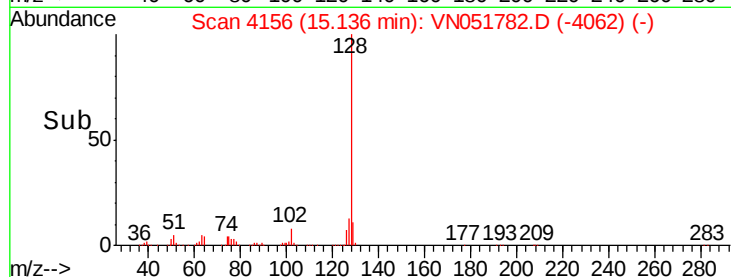
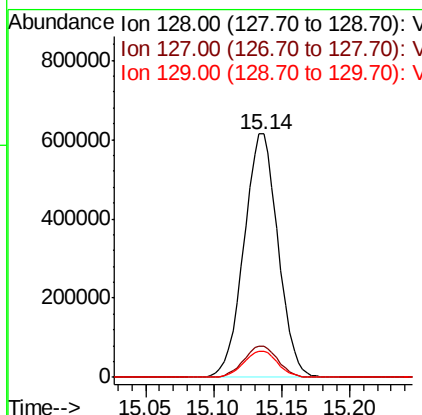
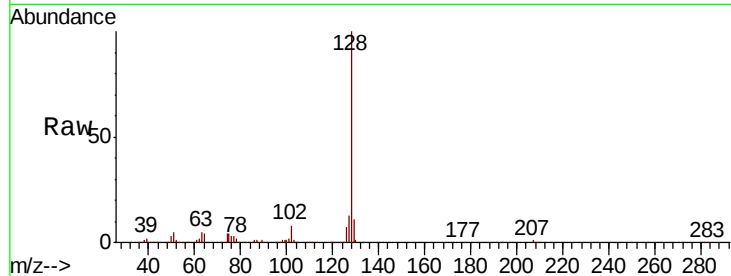
#95
Naphthalene
Concen: 55.717 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.9	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.429 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051782.D
Acq: 10 Oct 2018 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.8
145	30.9	15.6	46.8

