

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069945.D
 Acq On : 10 Dec 2021 6:19
 Operator : JC/MD
 Sample : M4966-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P10-11

Quant Time: Dec 10 08:16:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

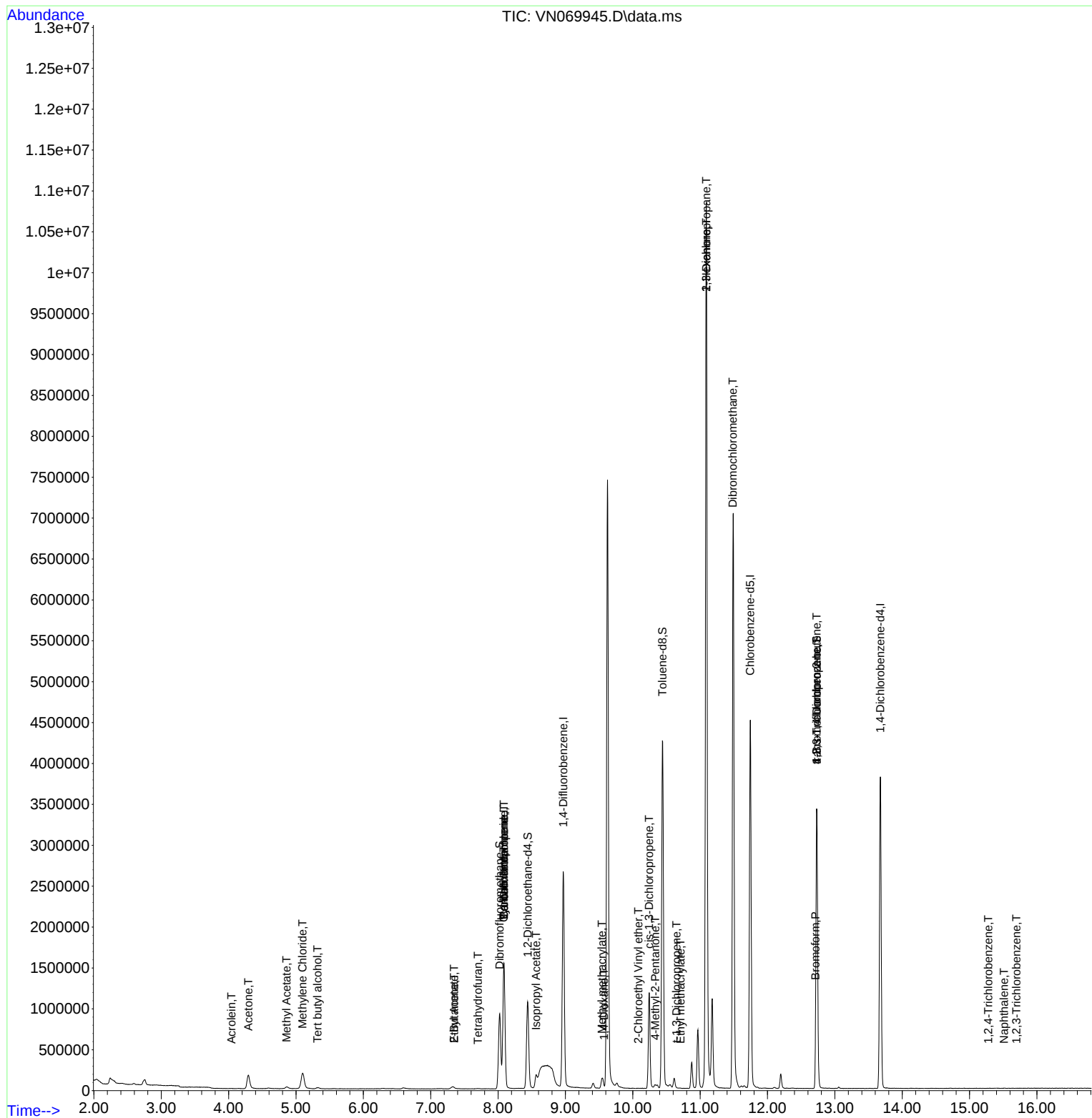
Internal Standards						
1) Pentafluorobenzene	8.088	168	1118583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2171570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2479427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	998550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	914033	52.923	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.840%			
35) Dibromofluoromethane	8.024	113	669298	49.205	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.400%			
50) Toluene-d8	10.440	98	2886435	52.848	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.731	95	1177869	59.528	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 119.060%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.318	59	11190	3.428	ug/l #	72
13) Acrolein	4.041	56	783	0.282	ug/l #	58
16) Acetone	4.293	43	316404	30.455	ug/l	97
18) Methyl Acetate	4.859	43	47891	1.527	ug/l #	73
20) Methylene Chloride	5.095	84	138971	10.062	ug/l	87
25) 2-Butanone	7.348	43	21401	1.516	ug/l #	82
29) Tetrahydrofuran	7.699	42	1987	0.232	ug/l #	74
31) Cyclohexane	8.083	56	29757	1.238	ug/l #	47
36) 1,1-Dichloropropene	8.088	75	97695	4.726	ug/l #	49
37) Ethyl Acetate	7.348	43	21401	0.696	ug/l #	68
38) Carbon Tetrachloride	8.088	117	114543	5.650	ug/l #	16
43) Isopropyl Acetate	8.566	43	199509	4.382	ug/l #	77
48) Methyl methacrylate	9.542	41	39774	1.872	ug/l #	8
49) 1,4-Dioxane	9.571	88	124	0.325	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	19250	0.652	ug/l #	75
53) t-1,3-Dichloropropene	10.650	75	95	2.798	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	187449	8.764	ug/l #	73
56) Ethyl methacrylate	10.709	69	584	2.298	ug/l #	24
57) 1,3-Dichloropropane	11.092	76	106397	3.882	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.084	63	25	18.392	ug/l #	45
59) 2-Hexanone	11.089	43	1931471	86.440	ug/l #	48
60) Dibromochloromethane	11.486	129	671	2.415	ug/l #	11
71) Bromoform	12.712	173	553	2.765	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	659390	23.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	659390	73.303	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.279	180	375	2.899	ug/l #	38
95) Naphthalene	15.509	128	2922	4.040	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.697	180	153	2.445	ug/l #	41

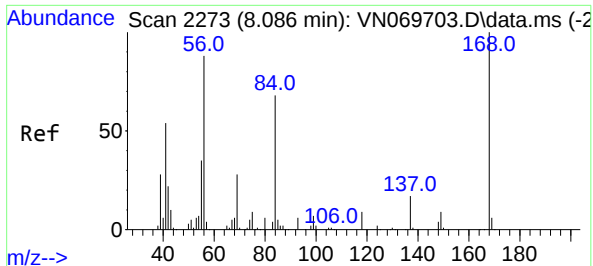
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

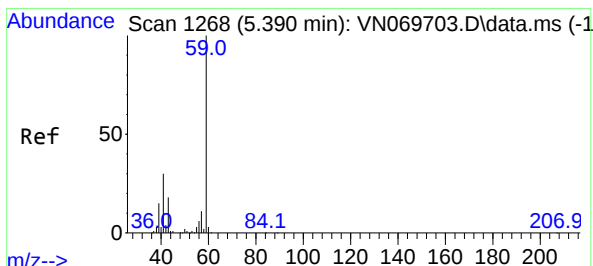
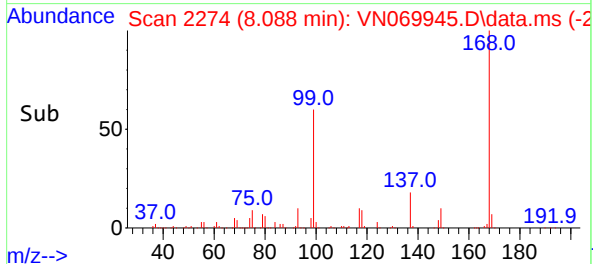
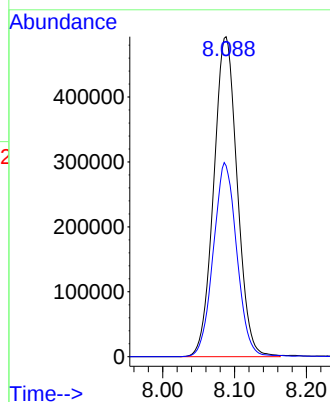
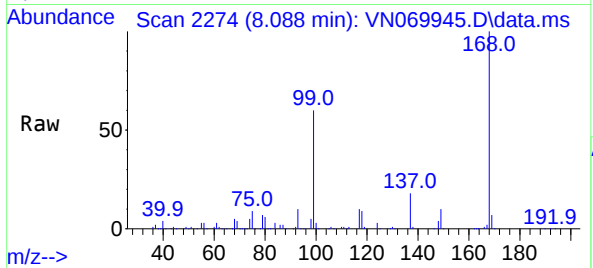




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

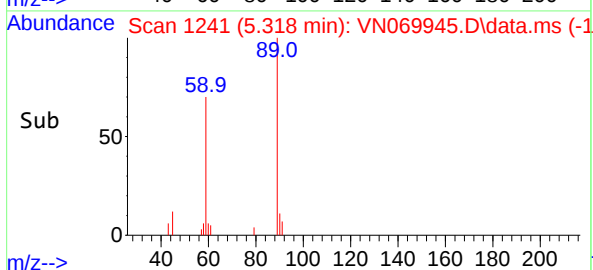
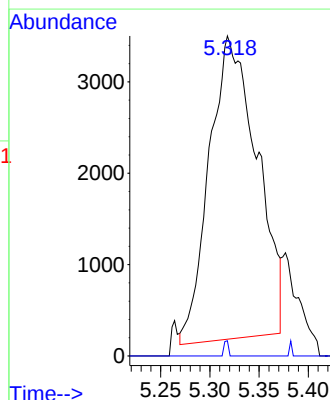
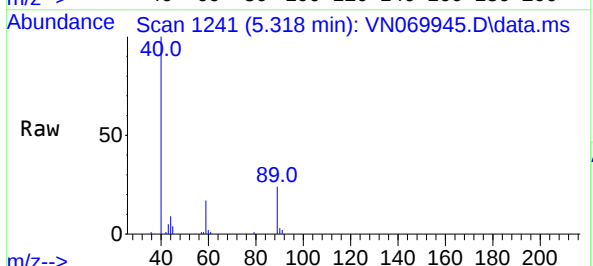
Instrument :
MSVOA_N
ClientSampleId :
P10-11

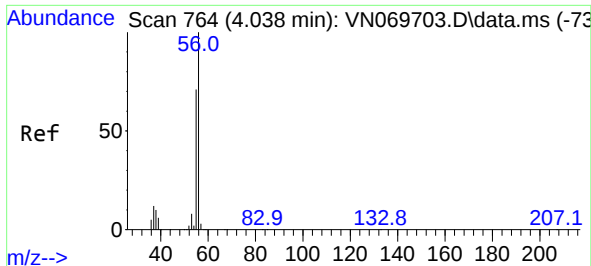
Tgt Ion:168 Resp: 1118583
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#11
Tert butyl alcohol
Concen: 3.428 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 59 Resp: 11190
Ion Ratio Lower Upper
59 100
57 0.5 8.7 13.1#

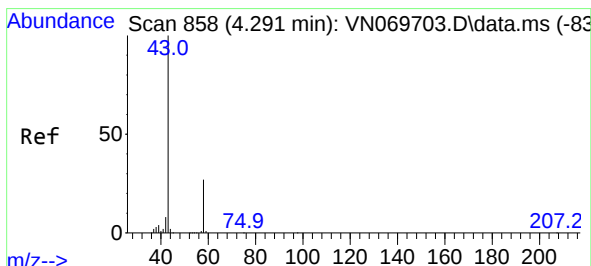
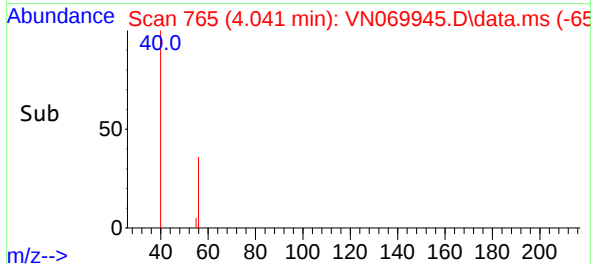
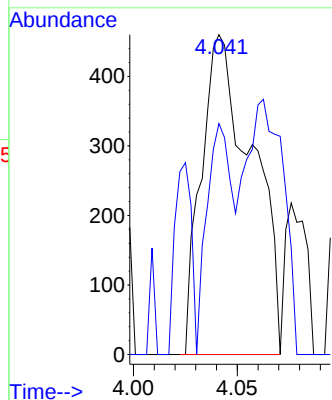
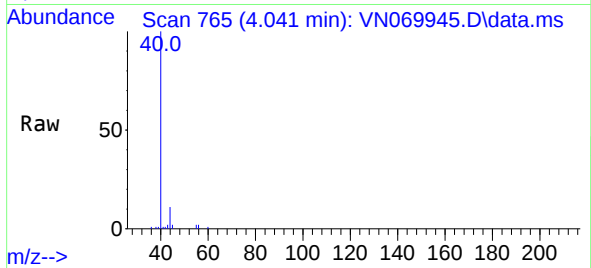




#13
Acrolein
Concen: 0.282 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

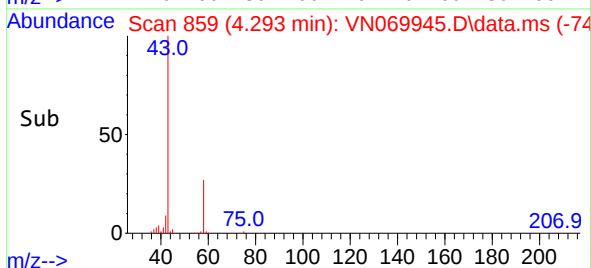
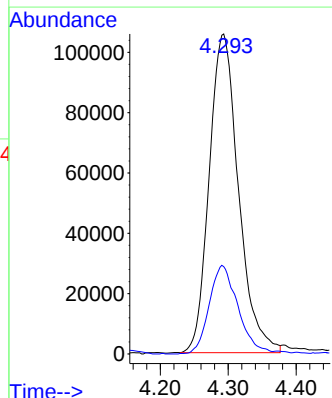
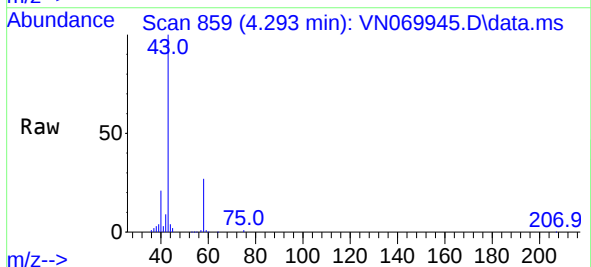
Instrument :
MSVOA_N
ClientSampleId :
P10-11

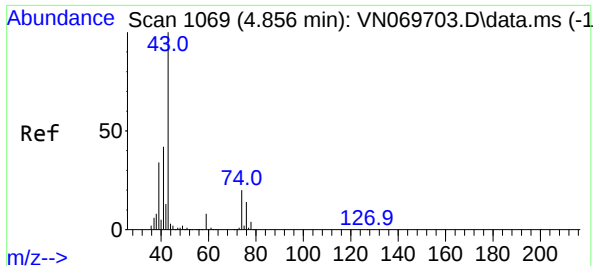
Tgt Ion: 56 Resp: 783
Ion Ratio Lower Upper
56 100
55 36.3 56.6 85.0#



#16
Acetone
Concen: 30.455 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 43 Resp: 316404
Ion Ratio Lower Upper
43 100
58 27.3 23.1 34.7

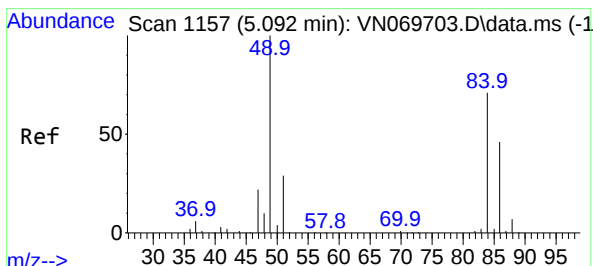
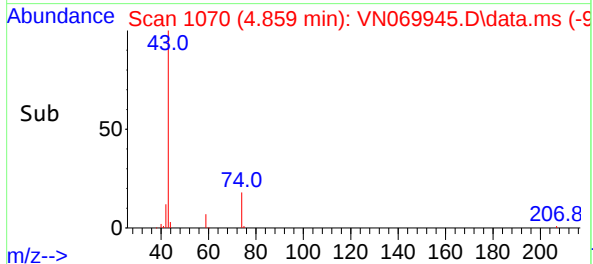
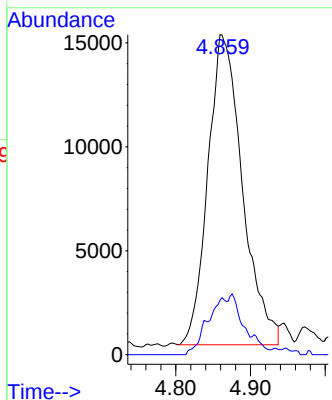
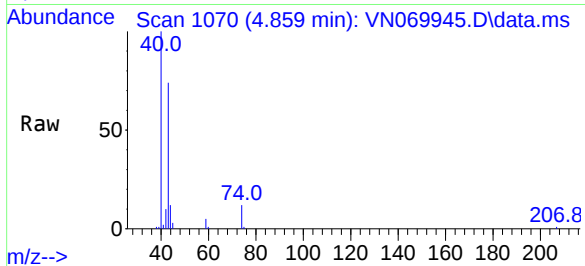




#18
Methyl Acetate
Concen: 1.527 ug/l
RT: 4.859 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

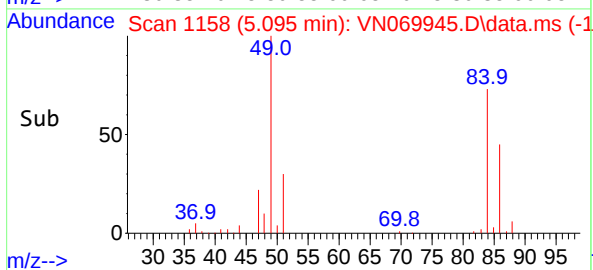
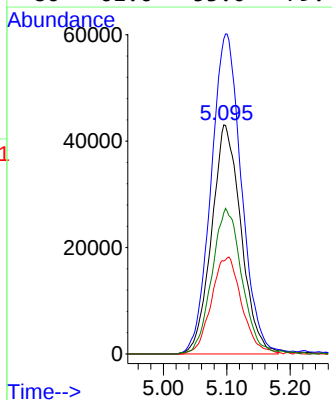
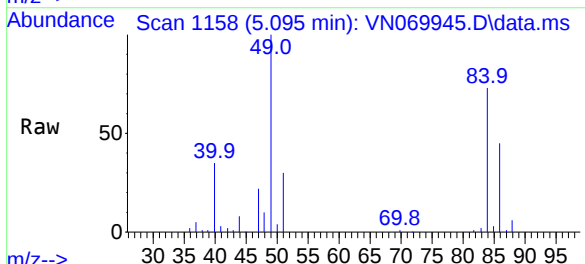
Instrument :
MSVOA_N
ClientSampleId :
P10-11

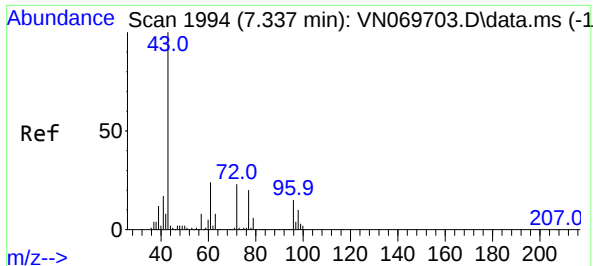
Tgt Ion: 43 Resp: 47891
Ion Ratio Lower Upper
43 100
74 11.0 19.4 29.2#



#20
Methylene Chloride
Concen: 10.062 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 84 Resp: 138971
Ion Ratio Lower Upper
84 100
49 137.6 93.5 140.3
51 40.6 29.4 44.2
86 61.6 53.0 79.4

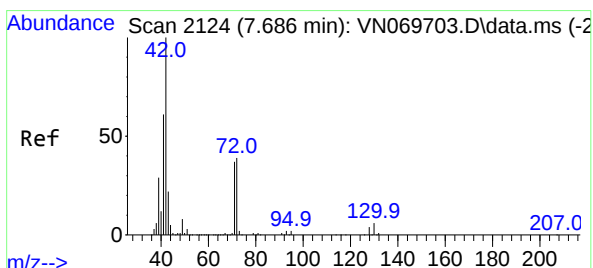
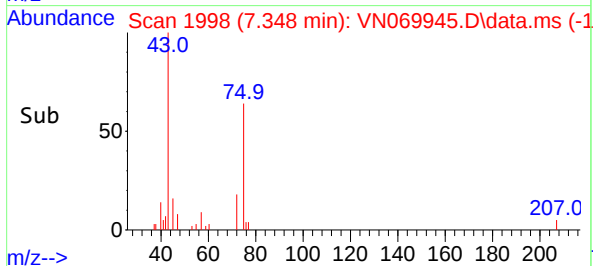
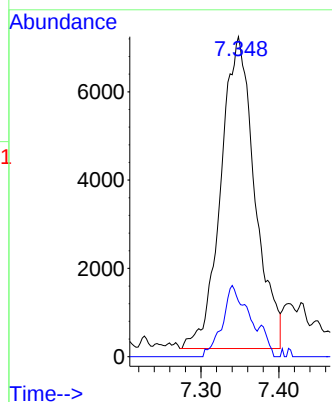
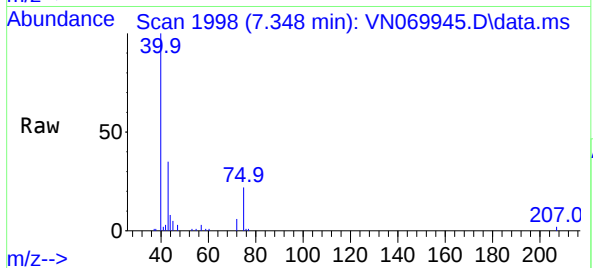




#25
2-Butanone
Concen: 1.516 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

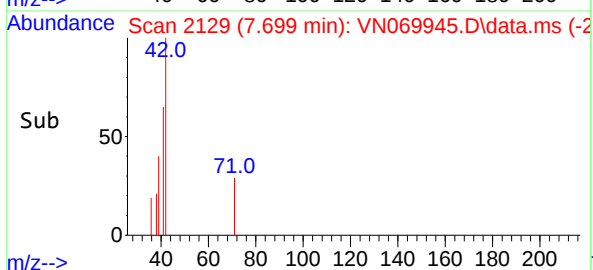
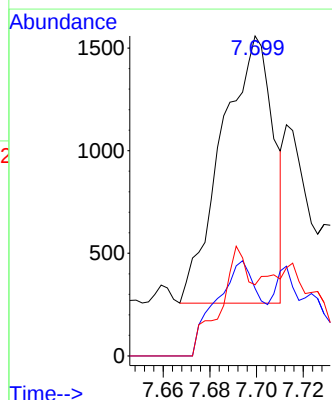
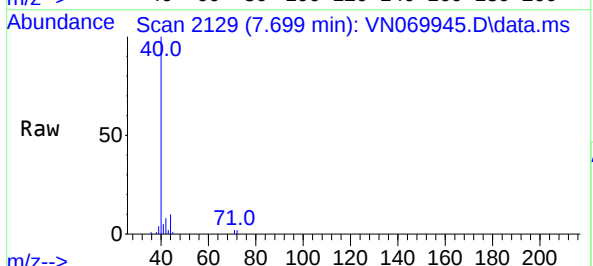
Instrument :
MSVOA_N
ClientSampleId :
P10-11

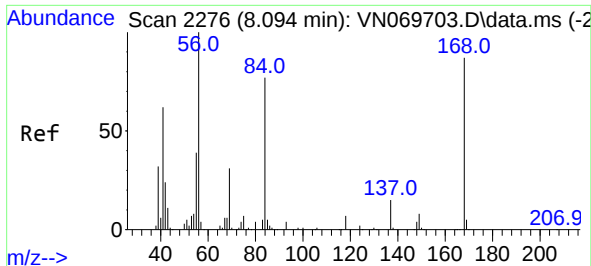
Tgt Ion: 43 Resp: 21401
Ion Ratio Lower Upper
43 100
72 17.8 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.232 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.013 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

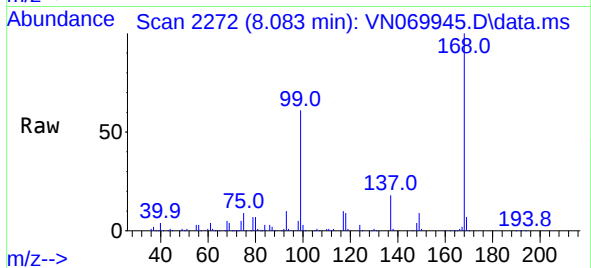
Tgt Ion: 42 Resp: 1987
Ion Ratio Lower Upper
42 100
72 29.9 36.3 54.5#
71 24.7 34.7 52.1#



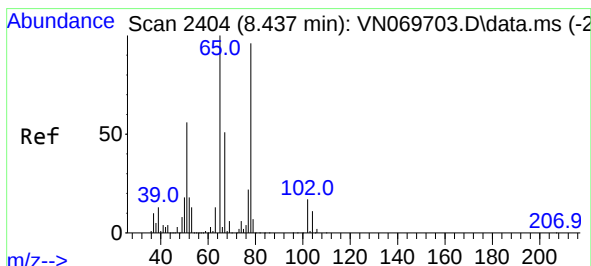
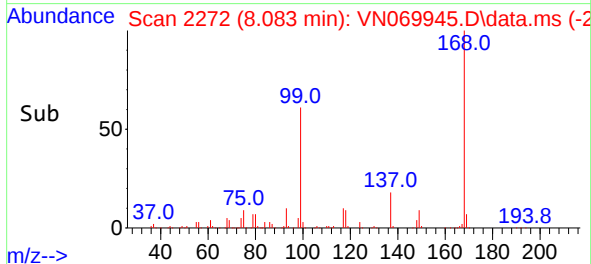
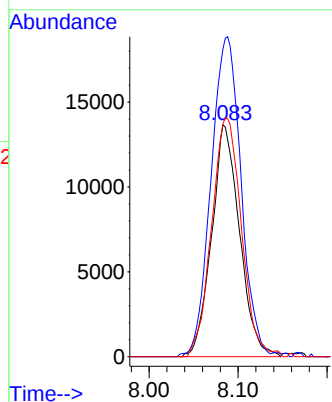


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Instrument :
MSVOA_N
ClientSampleId :
P10-11

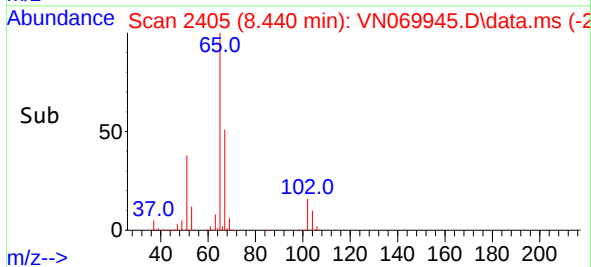
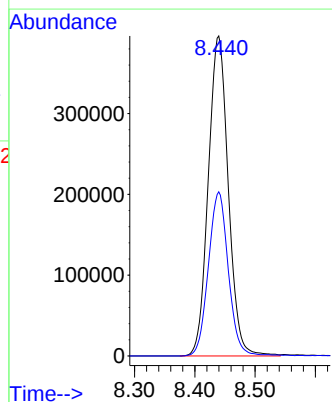
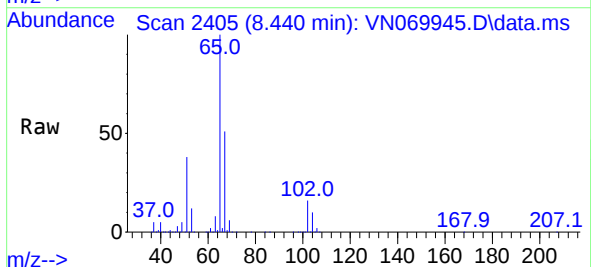


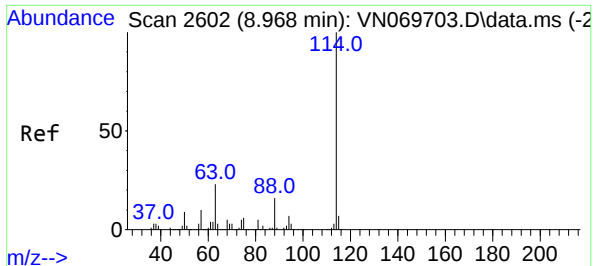
Tgt Ion: 56 Resp: 29757
Ion Ratio Lower Upper
56 100
69 131.5 27.1 40.7#
84 100.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 52.923 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 65 Resp: 914033
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

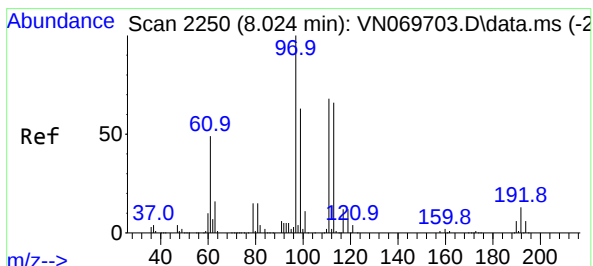
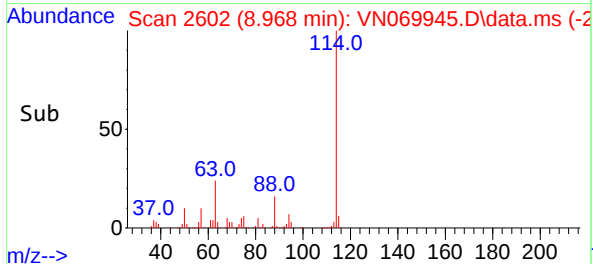
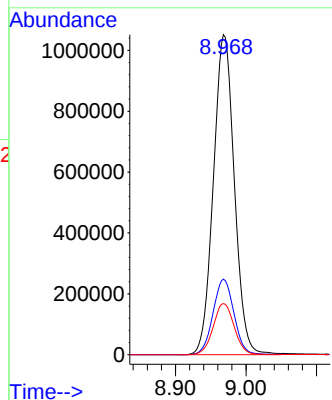
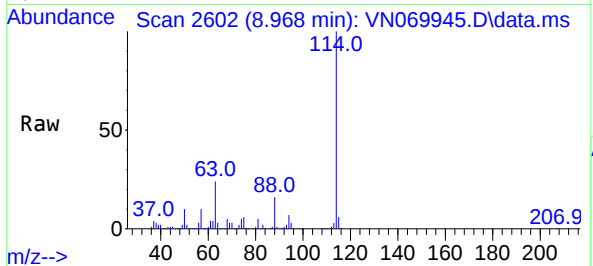




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

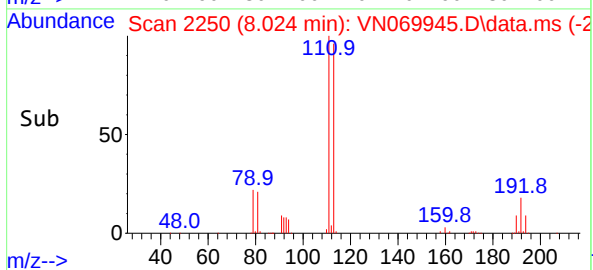
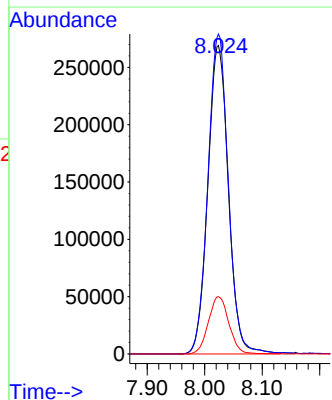
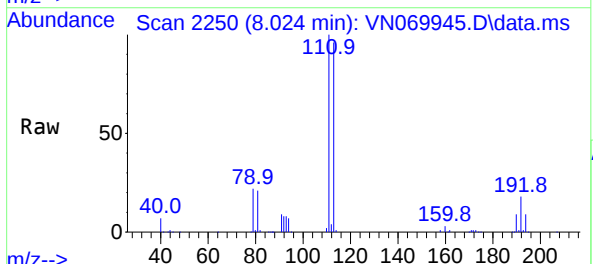
Instrument :
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P10-11

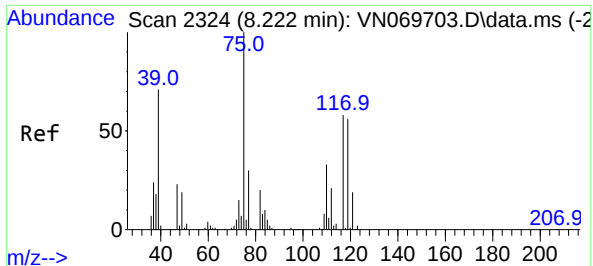
Tgt Ion:114 Resp: 2171570
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.205 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion:113 Resp: 669298
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.5 16.9 25.3

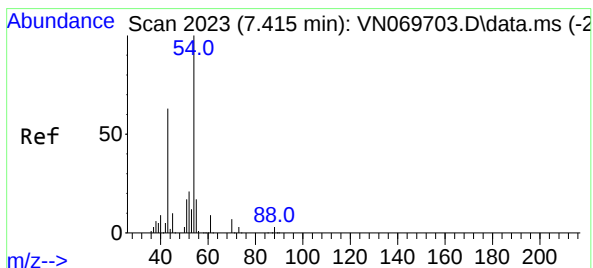
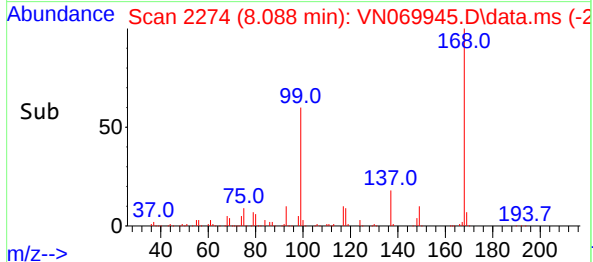
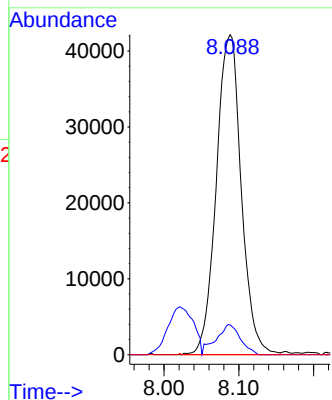
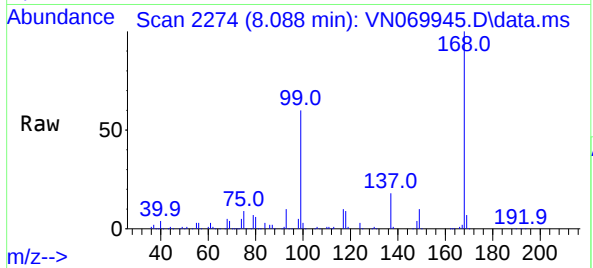




#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

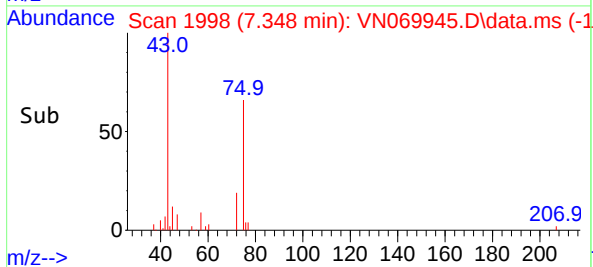
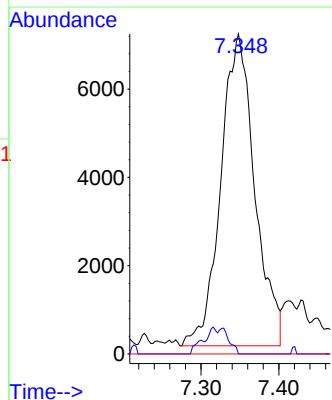
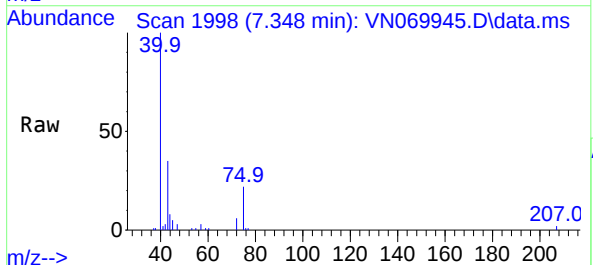
Instrument :
MSVOA_N
ClientSampleId :
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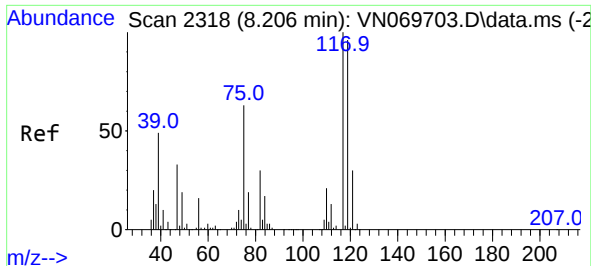
Tgt Ion: 75 Resp: 97695
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.696 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 43 Resp: 21401
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

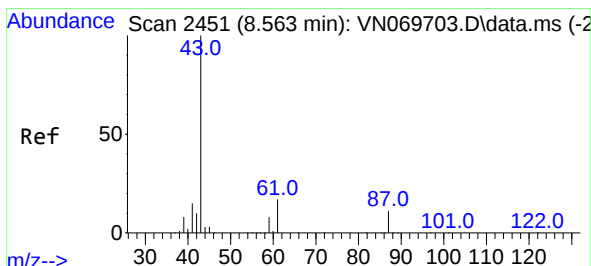
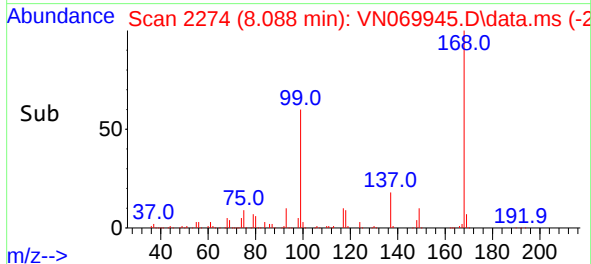
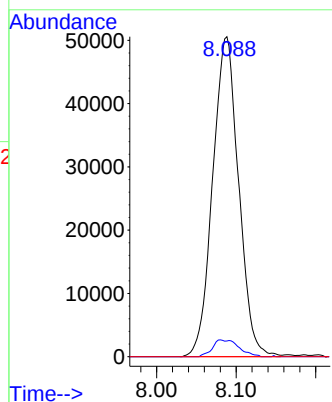
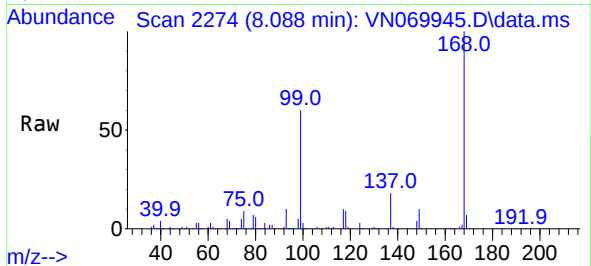




#38
Carbon Tetrachloride
Concen: 5.650 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

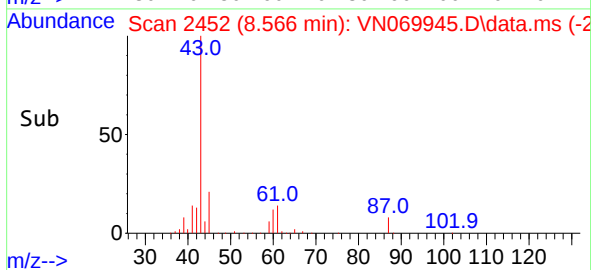
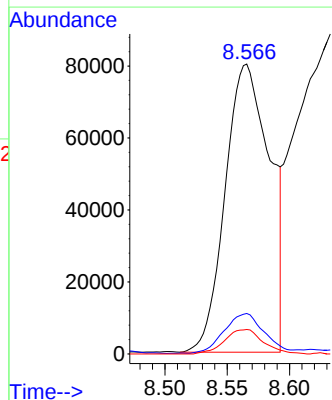
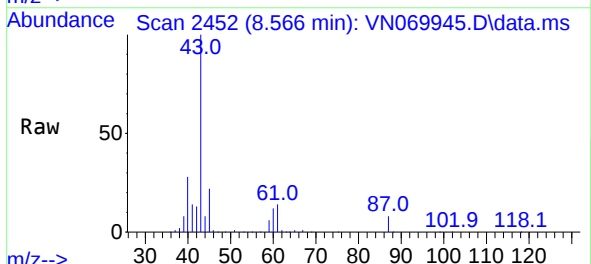
Instrument :
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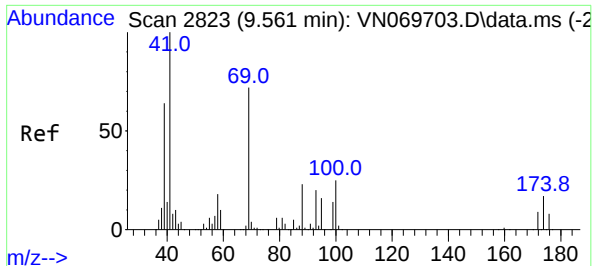
Tgt Ion:117 Resp: 114543
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.382 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 43 Resp: 199509
Ion Ratio Lower Upper
43 100
61 12.4 20.4 30.6#
87 7.4 11.2 16.8#

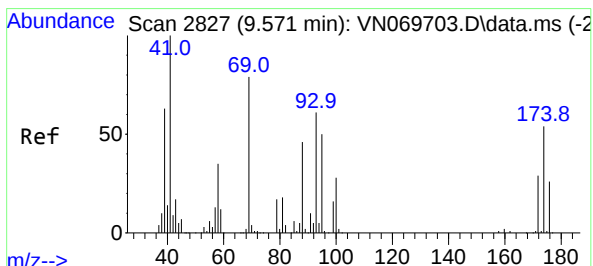
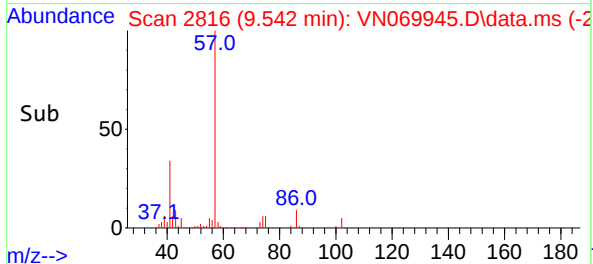
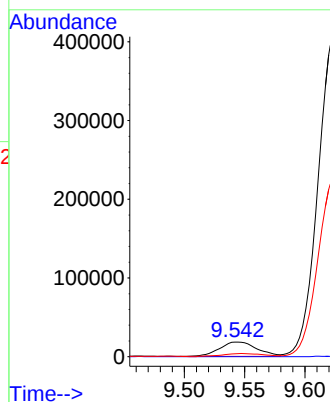
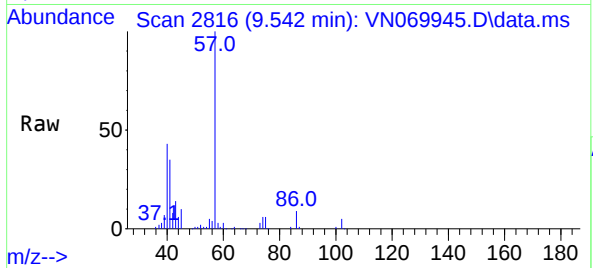




#48
Methyl methacrylate
Concen: 1.872 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

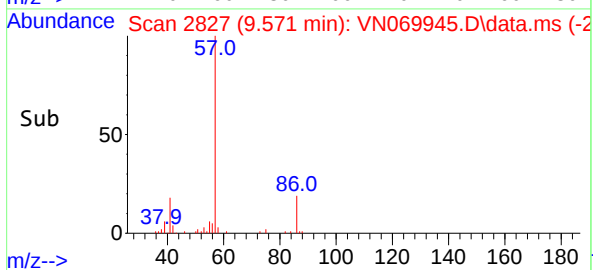
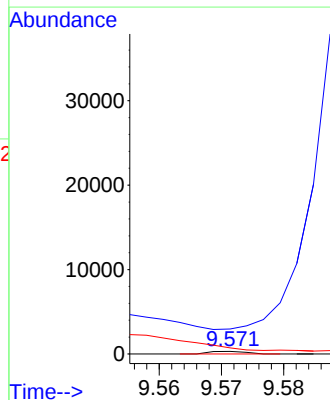
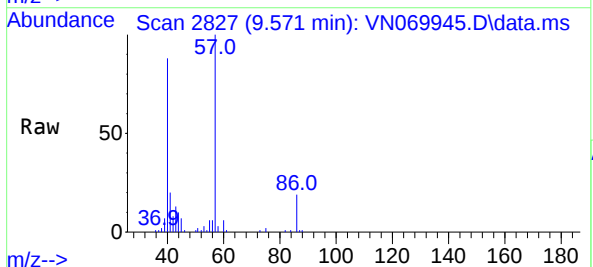
Instrument :
MSVOA_N
ClientSampleId :
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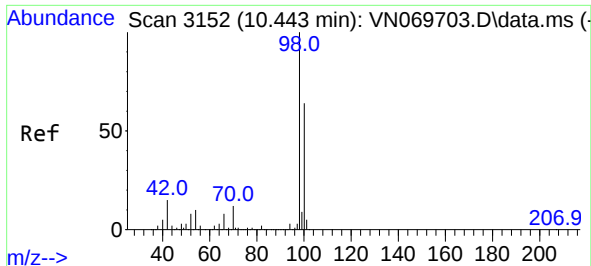
Tgt Ion: 41 Resp: 39774
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.325 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.000 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 4198.4 50.6 75.8#

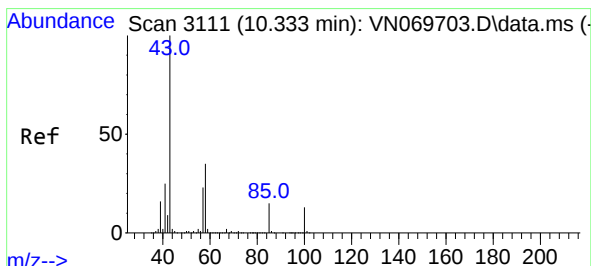
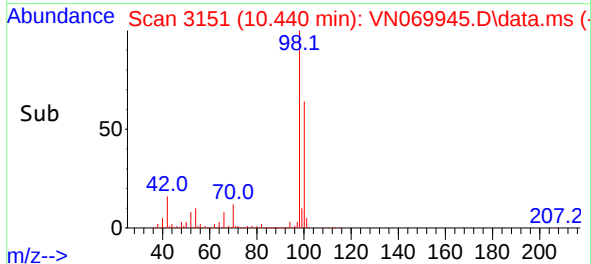
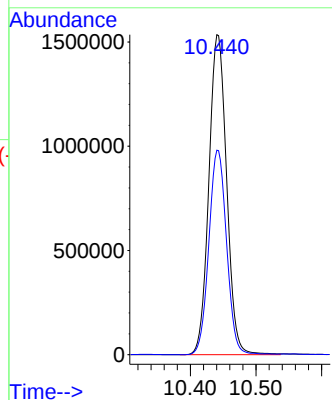
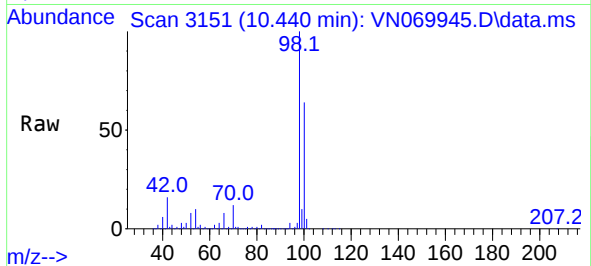




#50
Toluene-d8
Concen: 52.848 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

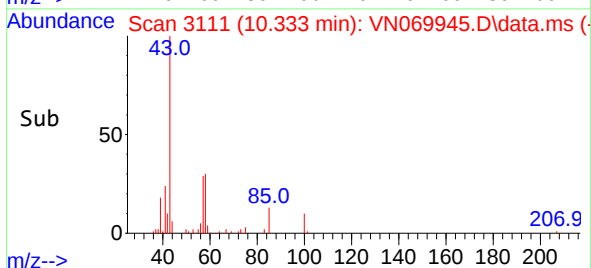
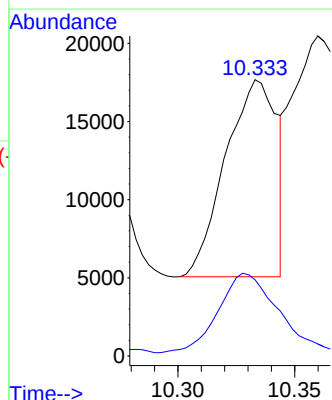
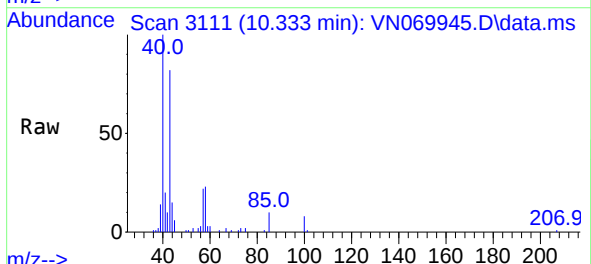
Instrument :
MSVOA_N
ClientSampleId :
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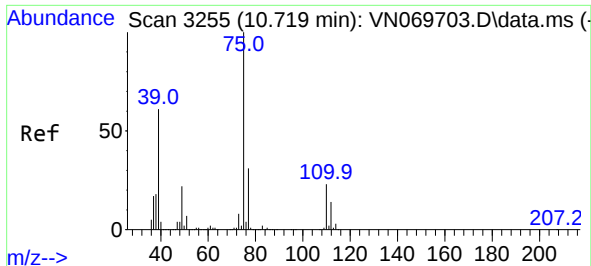
Tgt Ion: 98 Resp: 2886435
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.652 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 43 Resp: 19250
Ion Ratio Lower Upper
43 100
58 53.1 30.4 45.6#

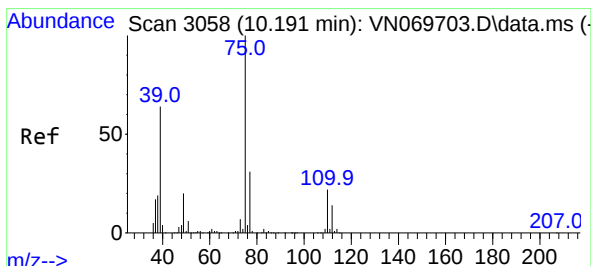
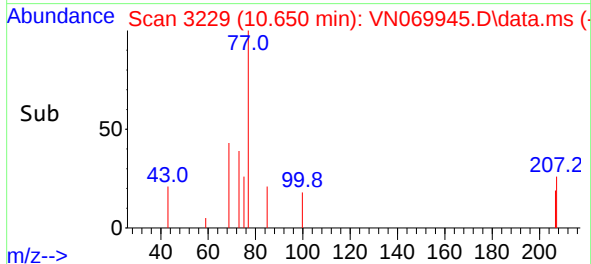
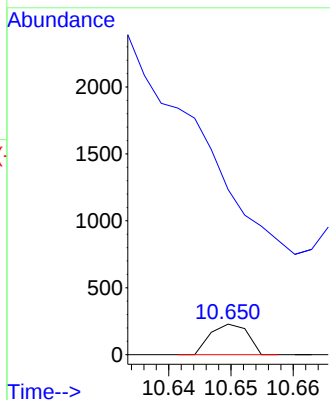
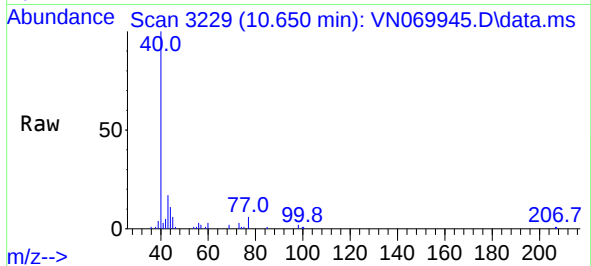




#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.650 min Scan# 31
Delta R.T. -0.069 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

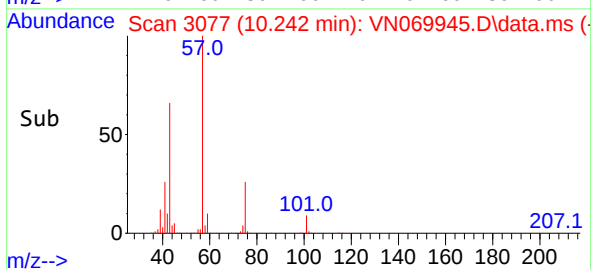
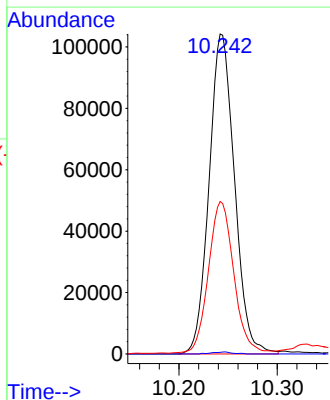
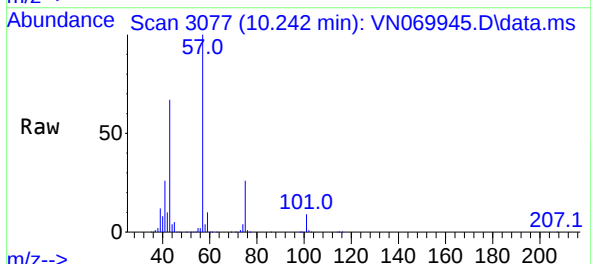
Instrument :
MSVOA_N
ClientSampleId :
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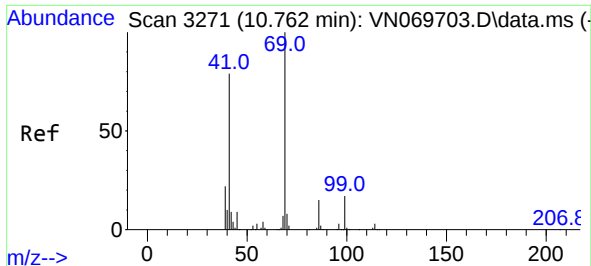
Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
77 167.1 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.764 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 75 Resp: 187449
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 47.2 42.5 63.7

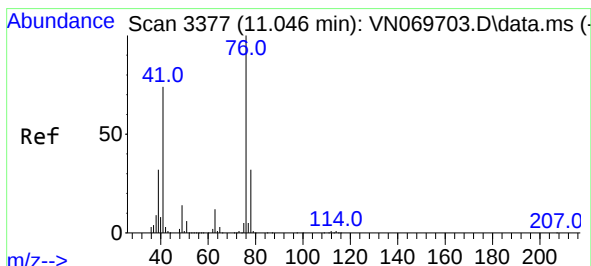
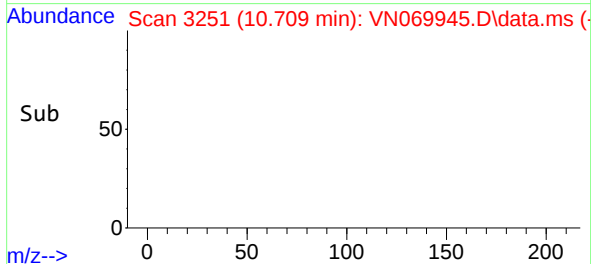
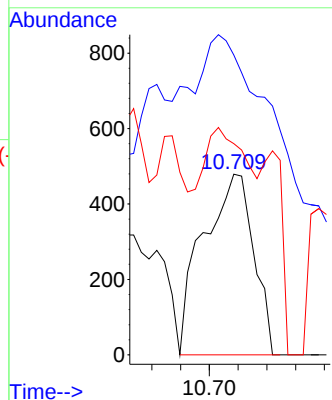
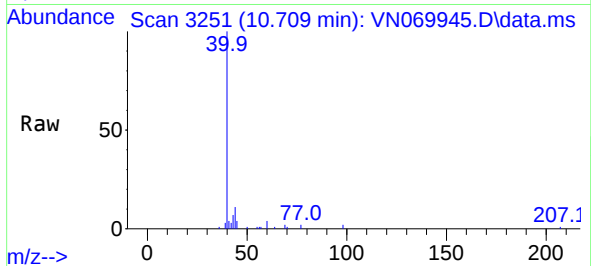




#56
Ethyl methacrylate
Concen: 2.298 ug/l
RT: 10.709 min Scan# 31
Delta R.T. -0.053 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

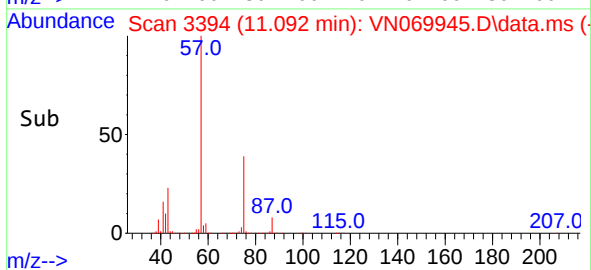
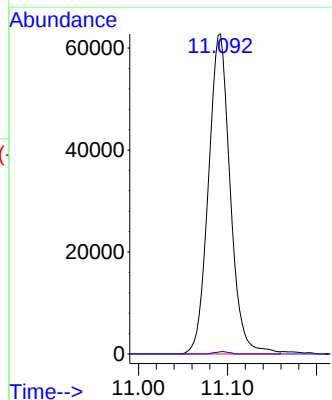
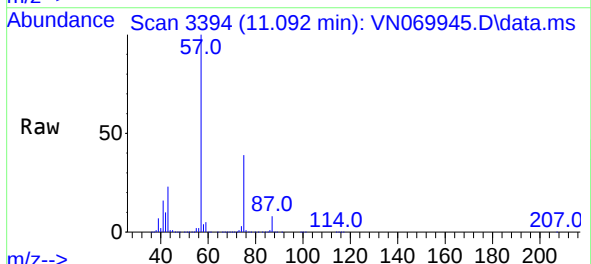
Instrument :
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ClientSampleId :
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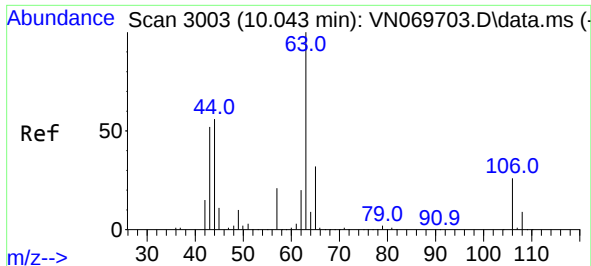
Tgt Ion: 69 Resp: 584
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.882 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 76 Resp: 106397
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#

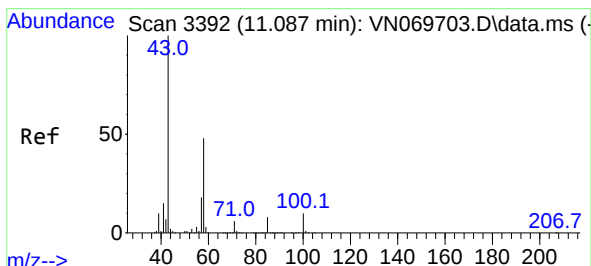
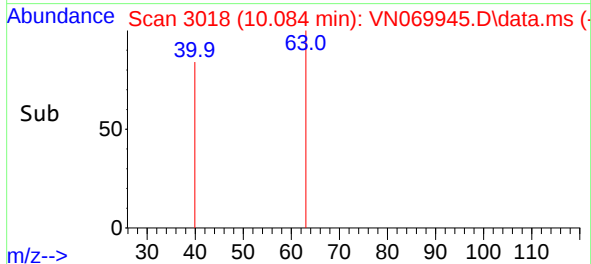
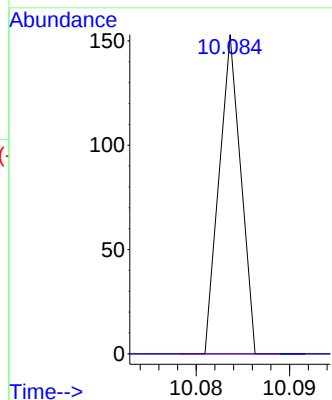
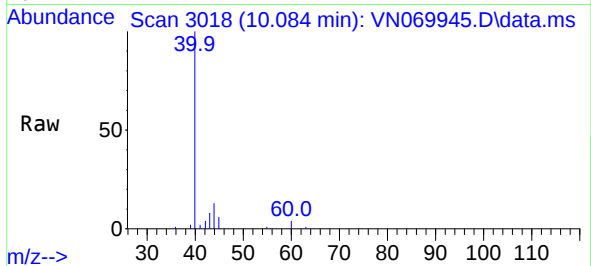




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.084 min Scan# 3003
Delta R.T. 0.041 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

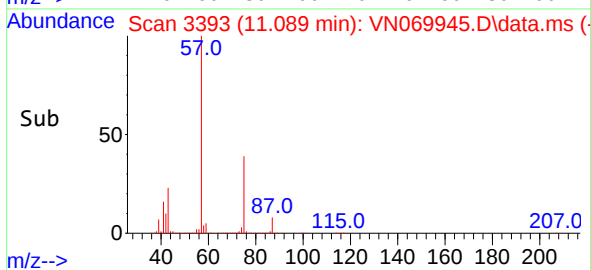
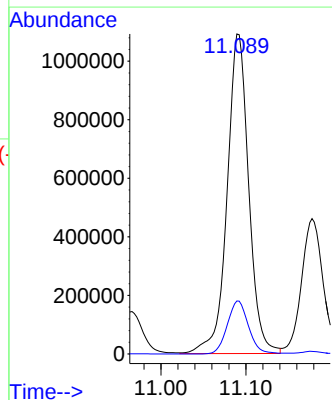
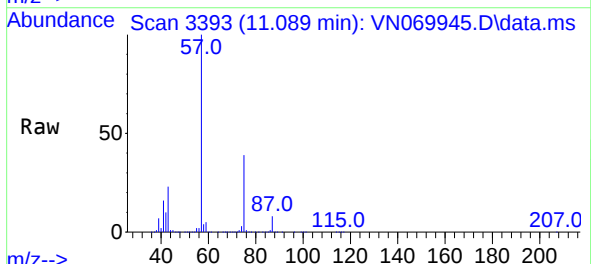
Instrument :
MSVOA_N
ClientSampleId :
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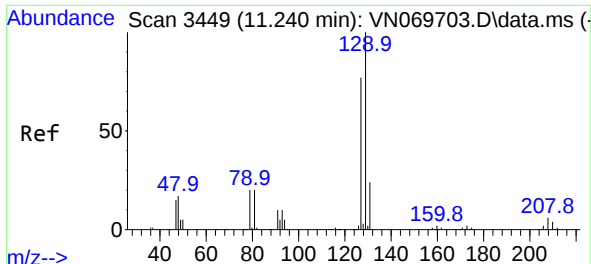
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 86.440 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 43 Resp: 1931471
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#

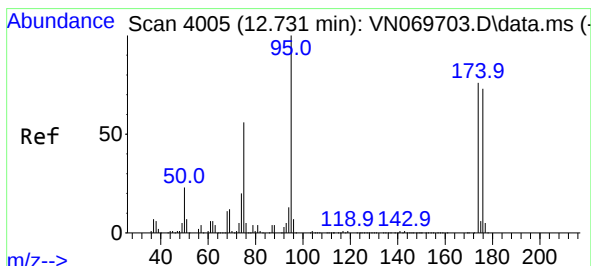
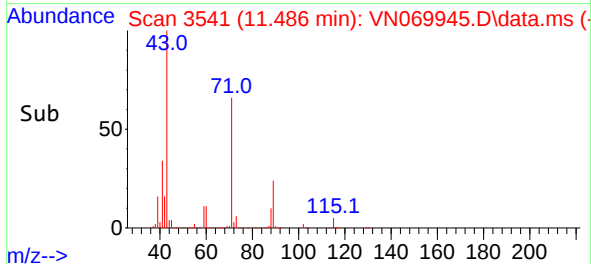
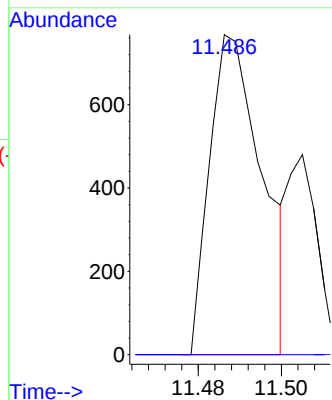
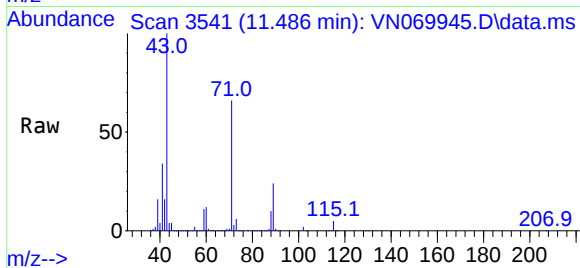




#60
Dibromochloromethane
Concen: 2.415 ug/l
RT: 11.486 min Scan# 3541
Delta R.T. 0.246 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

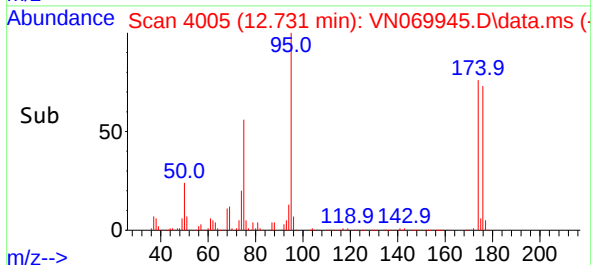
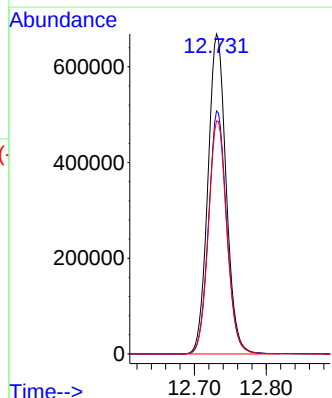
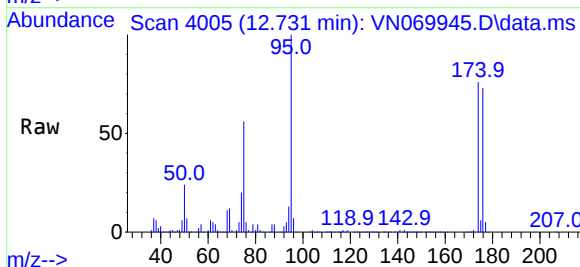
Instrument :
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ClientSampleId :
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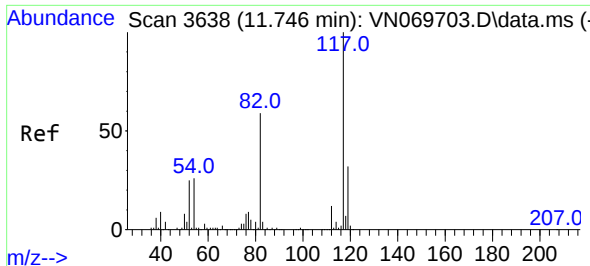
Tgt Ion:129 Resp: 671
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 59.528 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 95 Resp: 1177869
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.3 0.0 181.4

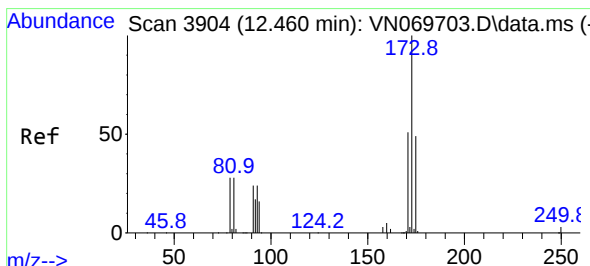
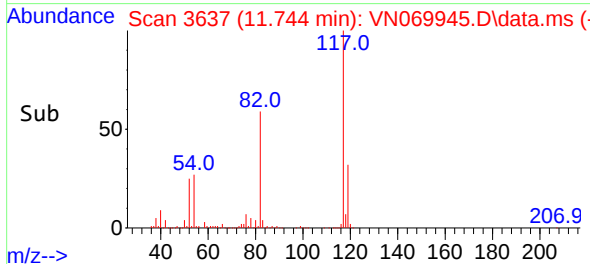
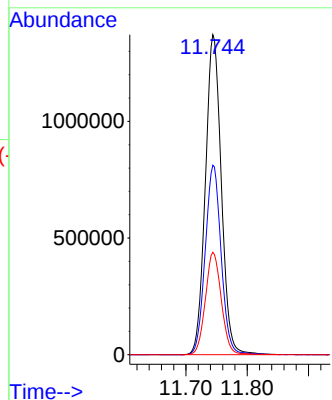
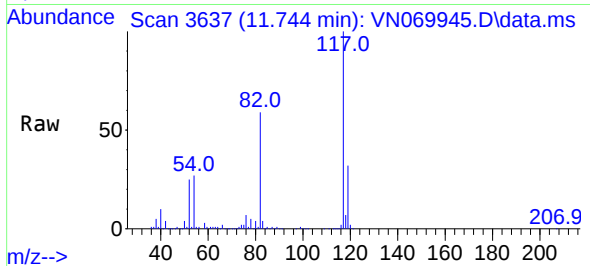




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

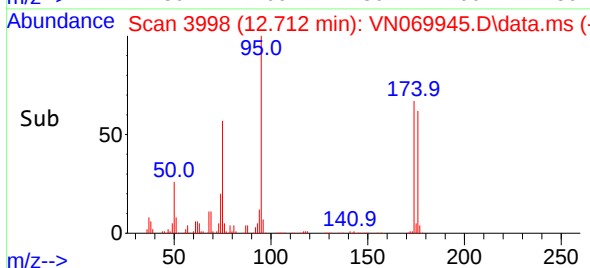
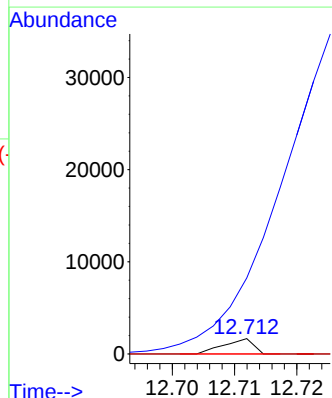
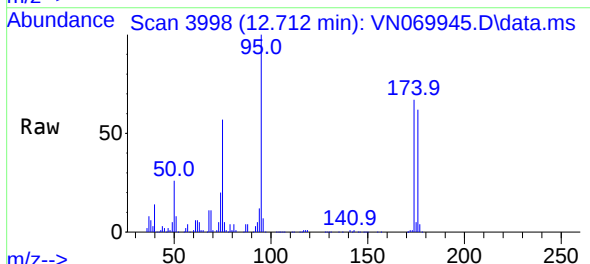
Instrument :
MSVOA_N
ClientSampleId :
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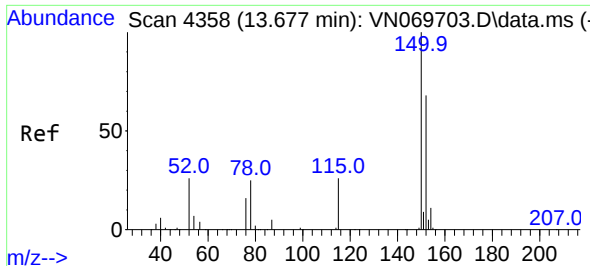
Tgt Ion:117 Resp: 2479427
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.0 25.4 38.2



#71
Bromoform
Concen: 2.765 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion:173 Resp: 553
Ion Ratio Lower Upper
173 100
175 11797.3 24.2 72.6#
254 0.0 0.0 0.0

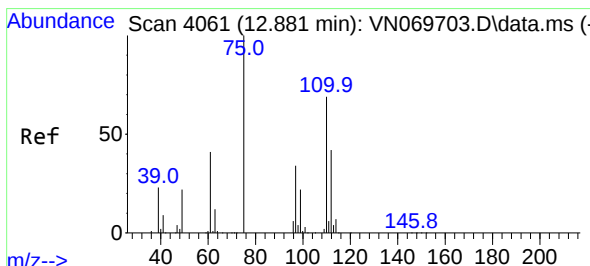
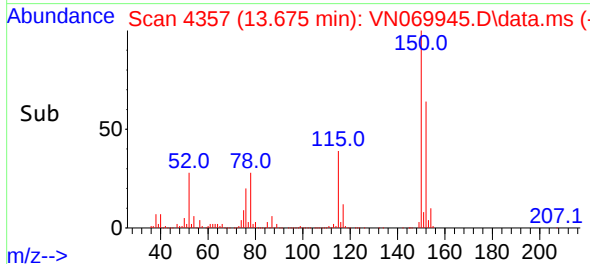
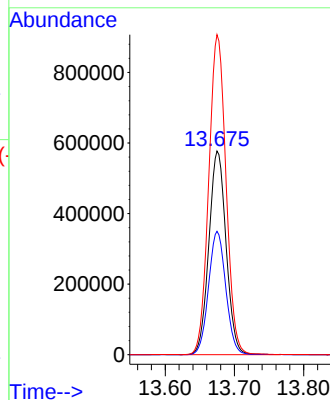
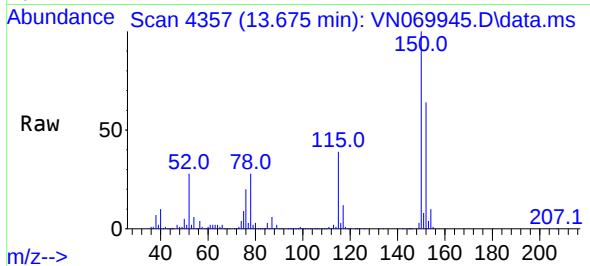




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

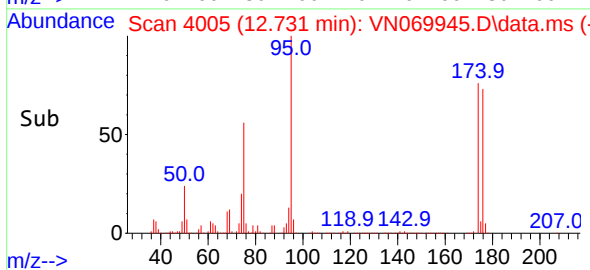
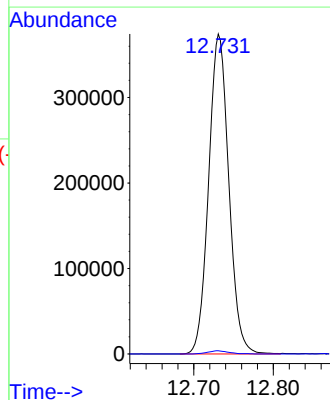
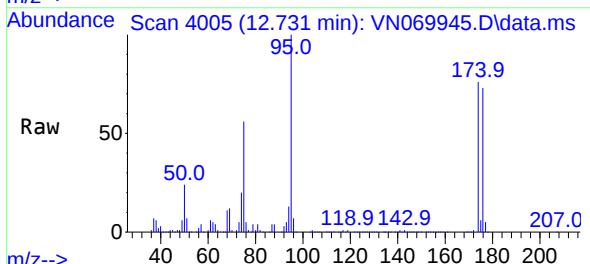
Instrument :
MSVOA_N
ClientSampleId :
P10-11

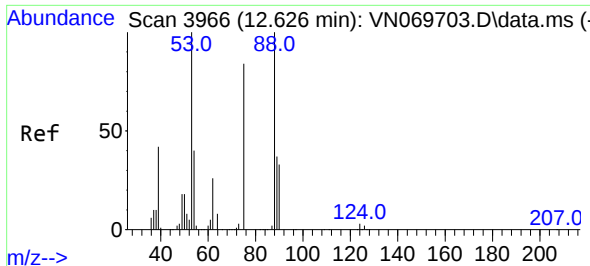
Tgt Ion:152 Resp: 998550
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.1 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.027 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion: 75 Resp: 659390
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

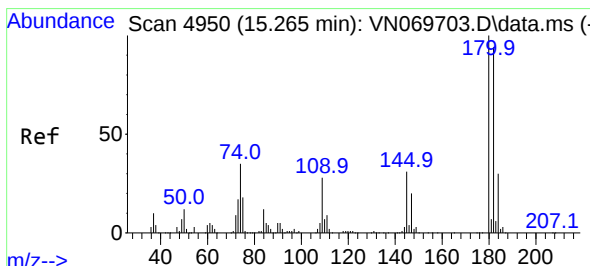
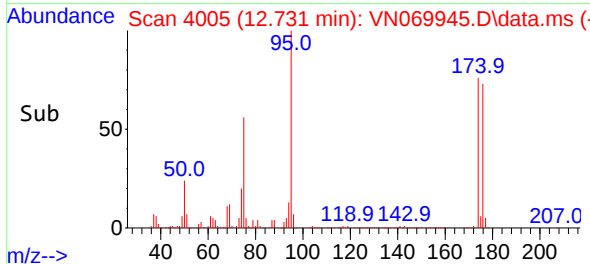
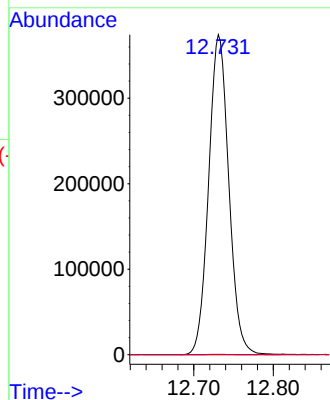
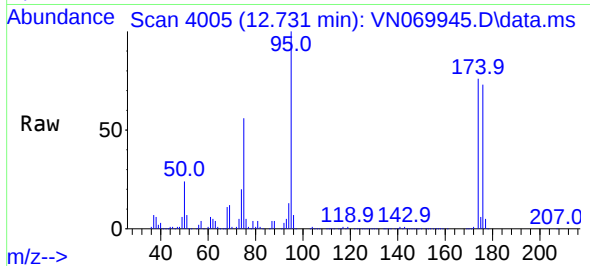




#81
trans-1,4-Dichloro-2-butene
Concen: 73.303 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

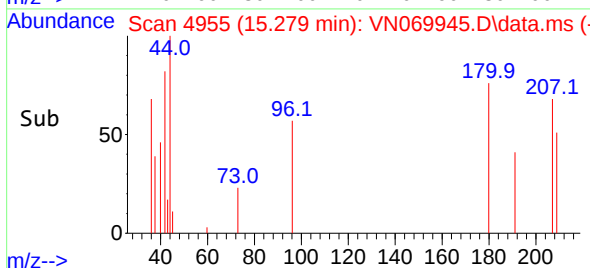
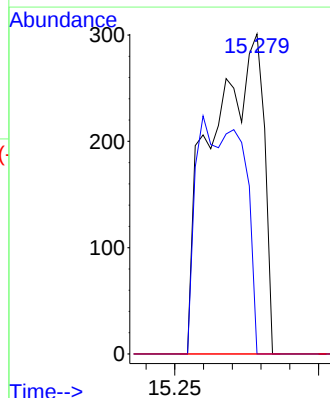
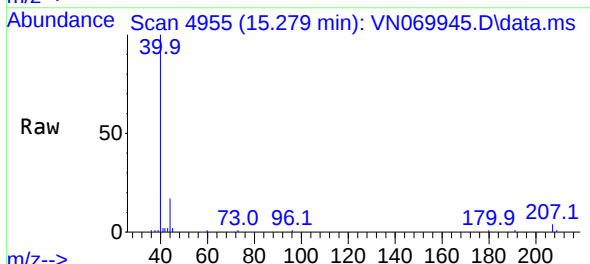
Instrument :
MSVOA_N
ClientSampleId :
P10-11

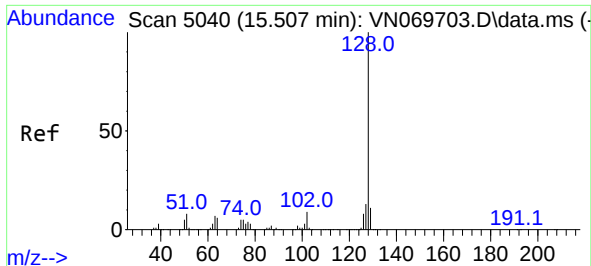
Tgt Ion: 75 Resp: 659390
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.899 ug/l
RT: 15.279 min Scan# 4955
Delta R.T. 0.014 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion:180 Resp: 375
Ion Ratio Lower Upper
180 100
182 33.9 48.3 144.9#
145 0.0 14.5 43.5#

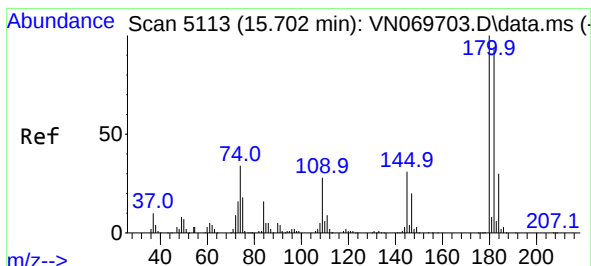
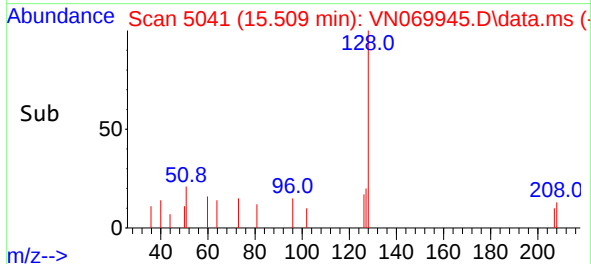
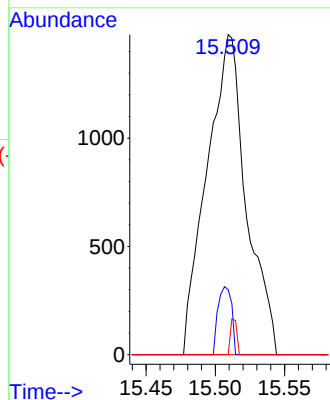
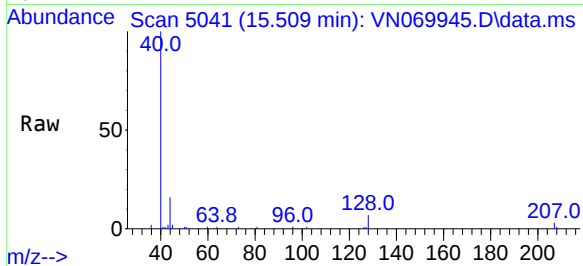




#95
Naphthalene
Concen: 4.040 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Instrument :
MSVOA_N
ClientSampleId :
P10-11

Tgt Ion:128 Resp: 2922
Ion Ratio Lower Upper
128 100
127 7.3 10.5 15.7#
129 1.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.445 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069945.D
Acq: 10 Dec 2021 6:19

Tgt Ion:180 Resp: 153
Ion Ratio Lower Upper
180 100
182 35.9 47.4 142.2#
145 0.0 15.0 45.1#

