

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069278.D
 Acq On : 29 Oct 2021 4:18
 Operator : JC/MD
 Sample : M4372-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:57:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

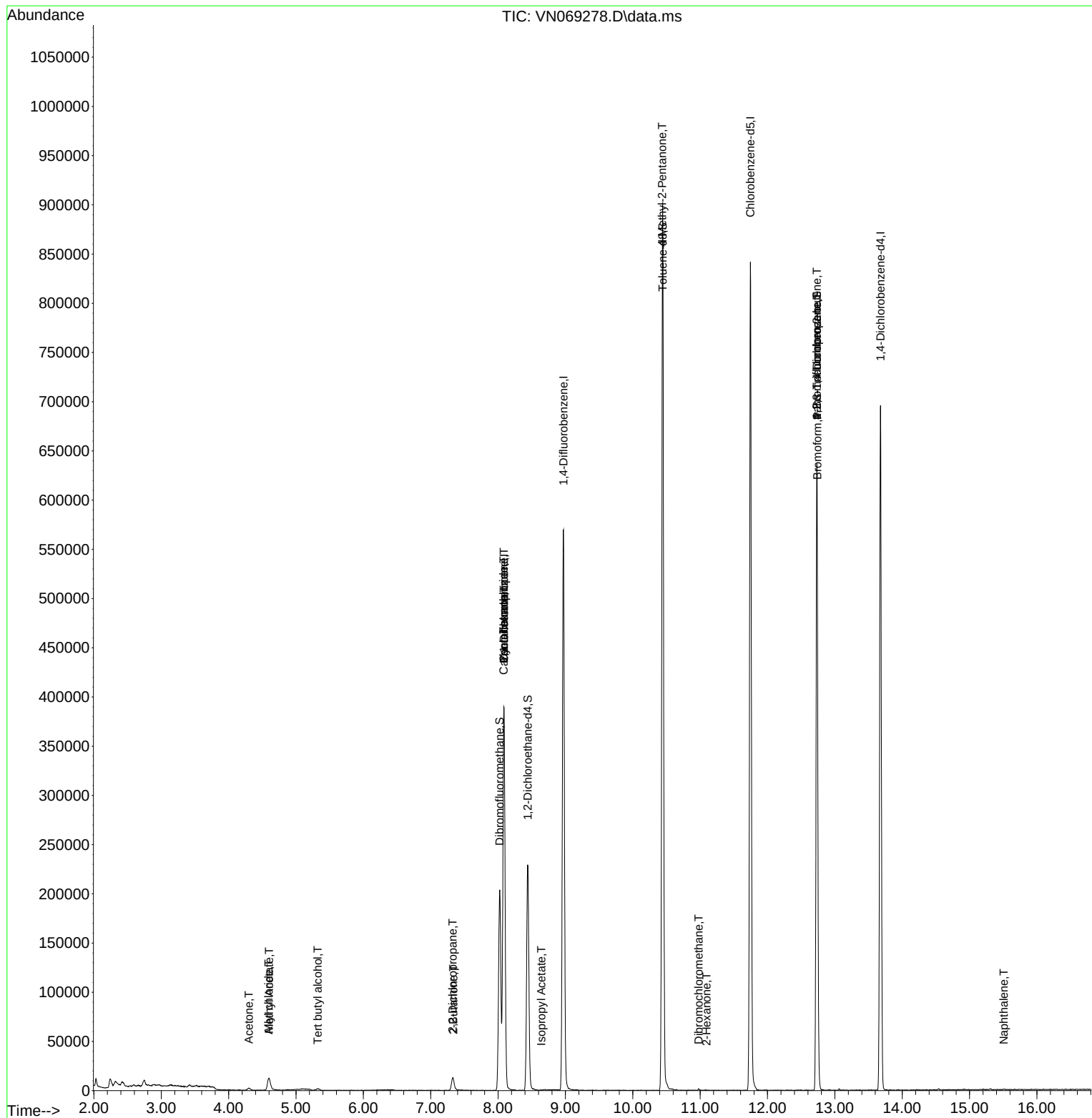
Internal Standards						
1) Pentafluorobenzene	8.088	168	293514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	513905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	498880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	187121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	198551	46.861	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.720%		
35) Dibromofluoromethane	8.024	113	149195	46.572	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.140%		
50) Toluene-d8	10.443	98	636103	49.662	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.320%		
62) 4-Bromofluorobenzene	12.734	95	229815	47.548	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.100%		
Target Compounds						Qvalue
3) Chloromethane	2.303	50	759	Below Cal	#	42
11) Tert butyl alcohol	5.321	59	513	13.997	ug/l #	72
14) Allyl chloride	4.594	41	1206	0.258	ug/l #	1
16) Acetone	4.299	43	3805	2.108	ug/l	94
18) Methyl Acetate	4.602	43	5808	0.947	ug/l #	52
25) 2-Butanone	7.335	43	704	1.887	ug/l #	48
26) 2,2-Dichloropropane	7.327	77	720	0.967	ug/l #	53
31) Cyclohexane	8.086	56	6818	1.202	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	24025	5.423	ug/l #	44
38) Carbon Tetrachloride	8.083	117	30176	6.877	ug/l #	16
43) Isopropyl Acetate	8.644	43	246	0.486	ug/l #	55
51) 4-Methyl-2-Pentanone	10.438	43	2725	6.866	ug/l #	1
59) 2-Hexanone	11.095	43	116	8.026	ug/l #	25
60) Dibromochloromethane	10.977	129	431	2.079	ug/l #	10
71) Bromoform	12.739	173	2059	3.501	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	124334	25.264	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	124334	72.315	ug/l #	12
95) Naphthalene	15.507	128	995	3.407	ug/l #	69

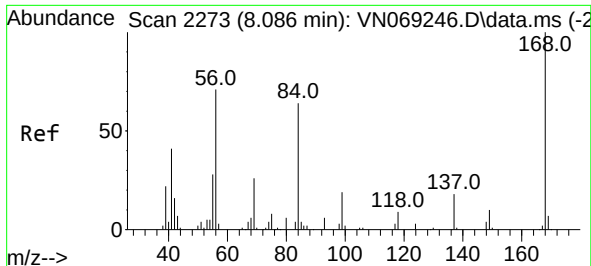
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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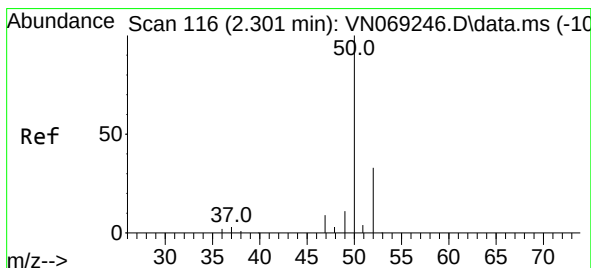
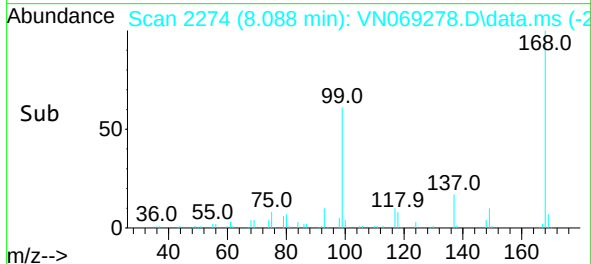
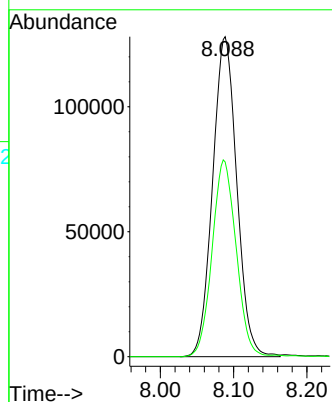
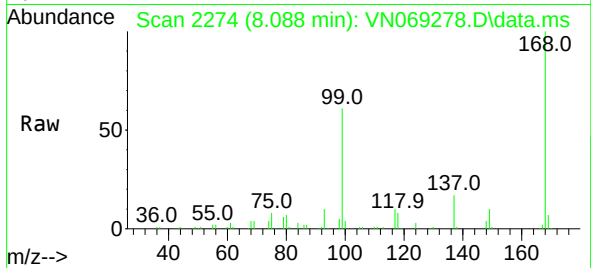




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

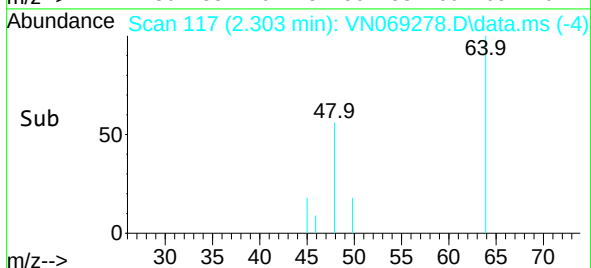
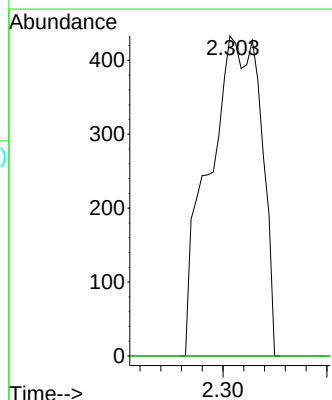
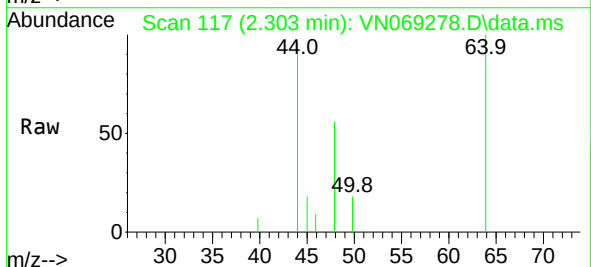
Instrument :
MSVOA_D
ClientSampled :

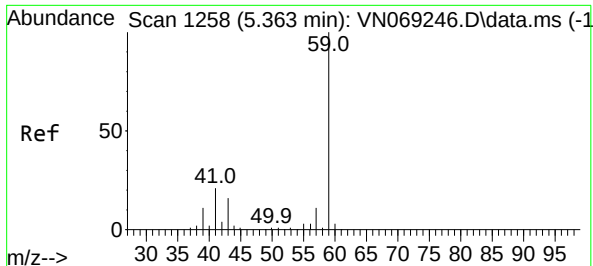
Tgt Ion:168 Resp: 293514
Ion Ratio Lower Upper
168 100
99 60.9 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 50 Resp: 759
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

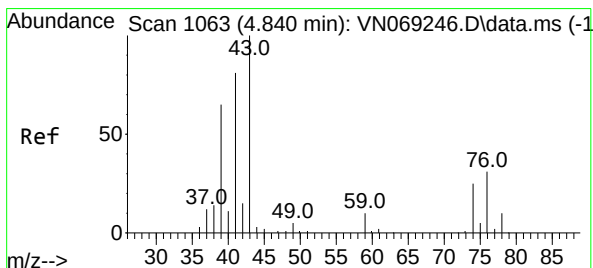
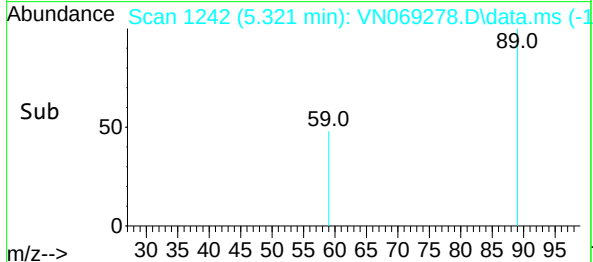
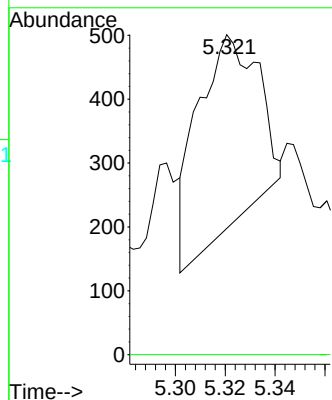
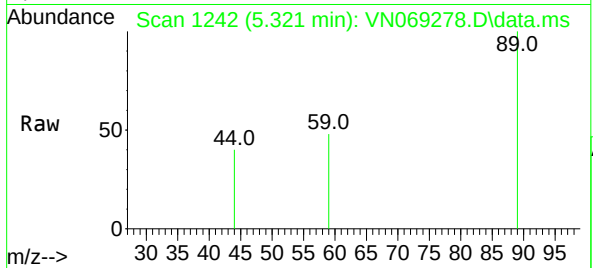




#11
Tert butyl alcohol
Concen: 13.997 ug/l
RT: 5.321 min Scan# 1242
Delta R.T. -0.042 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

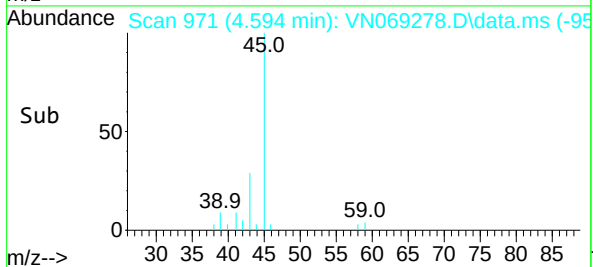
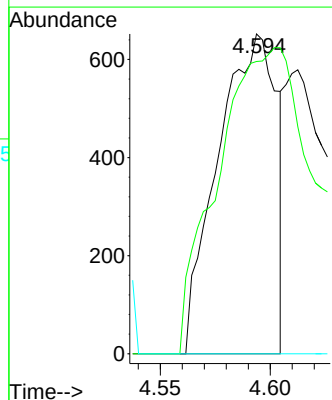
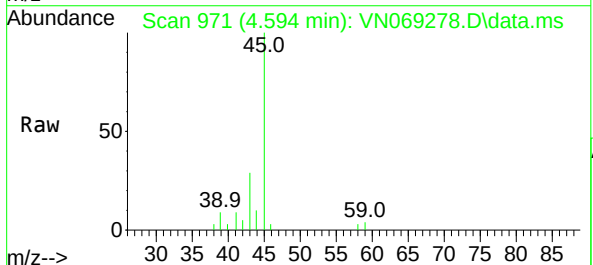
Instrument :
MSVOA_D
ClientSampled :

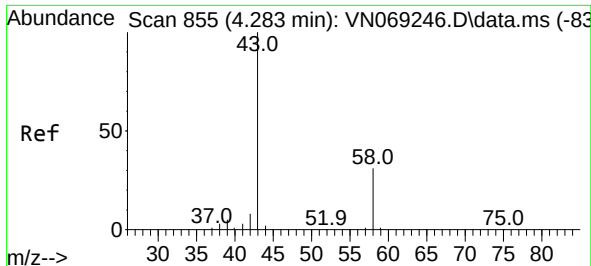
Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.258 ug/l
RT: 4.594 min Scan# 971
Delta R.T. -0.246 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 41 Resp: 1206
Ion Ratio Lower Upper
41 100
39 166.3 55.6 83.4#
76 0.0 26.4 39.6#

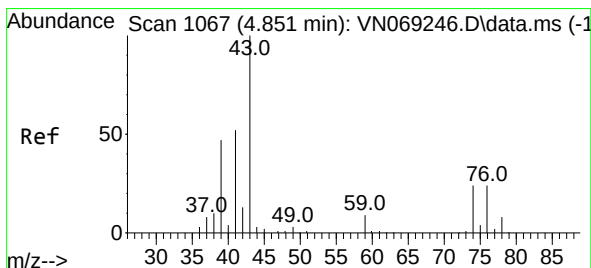
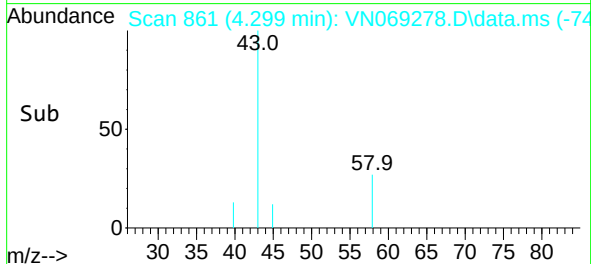
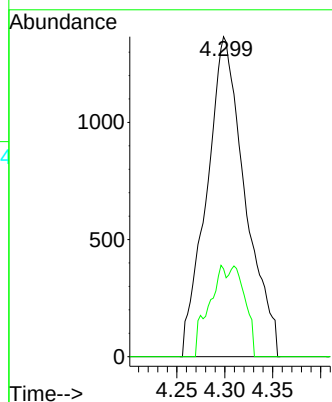
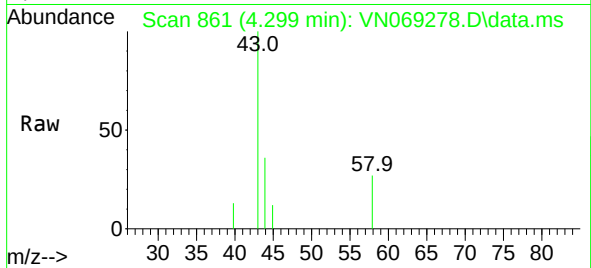




#16
Acetone
Concen: 2.108 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

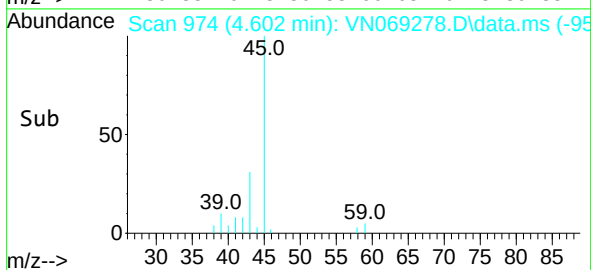
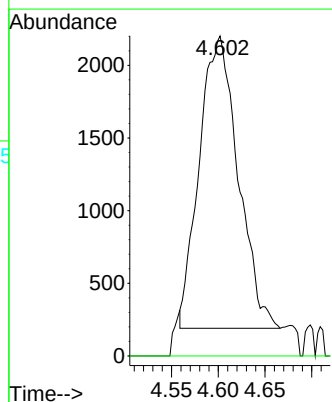
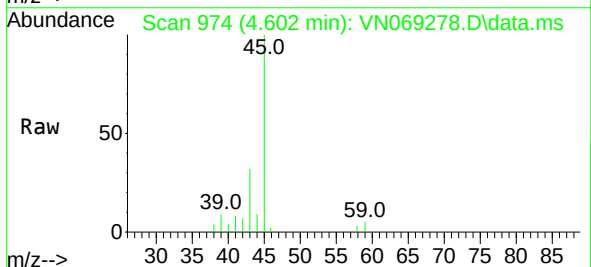
Instrument :
MSVOA_D
ClientSampled :

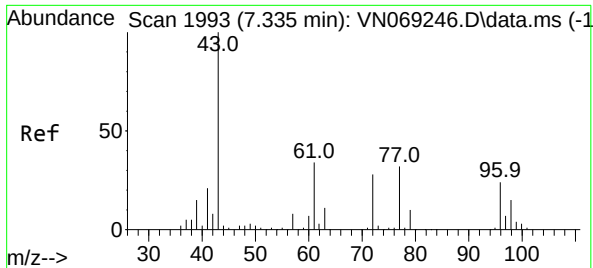
Tgt Ion: 43 Resp: 3805
Ion Ratio Lower Upper
43 100
58 27.5 24.5 36.7



#18
Methyl Acetate
Concen: 0.947 ug/l
RT: 4.602 min Scan# 974
Delta R.T. -0.249 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 43 Resp: 5808
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#

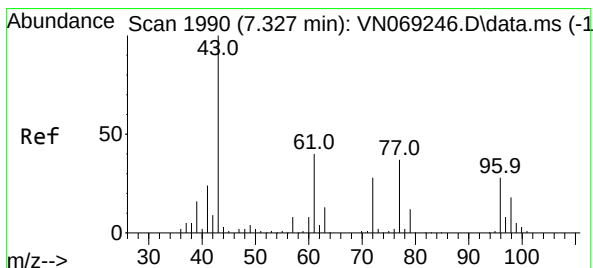
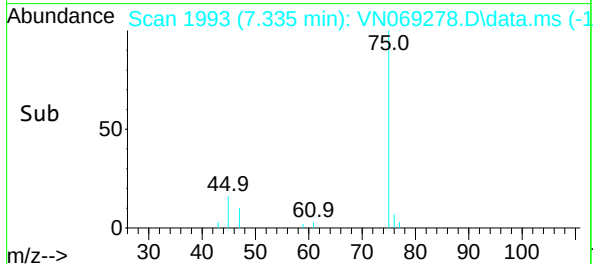
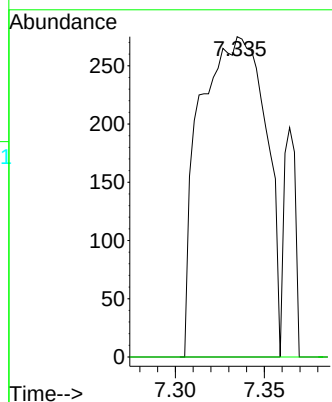
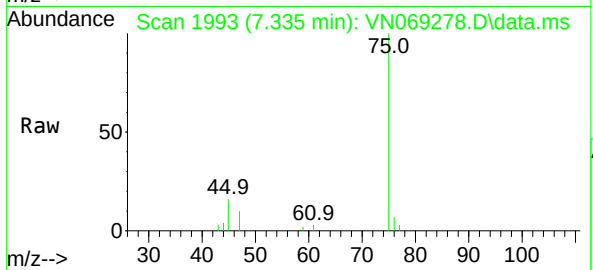




#25
2-Butanone
Concen: 1.887 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

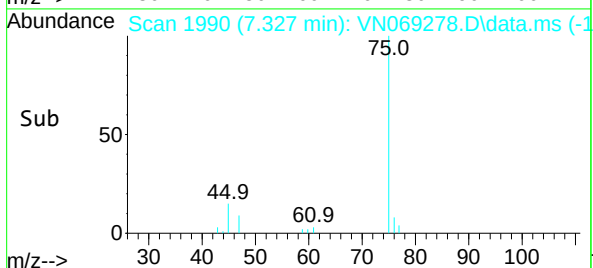
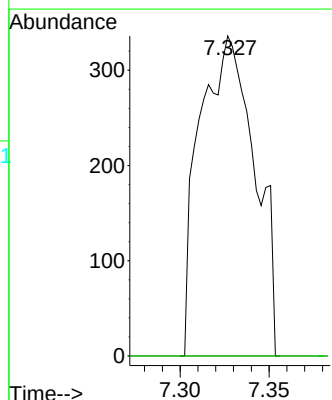
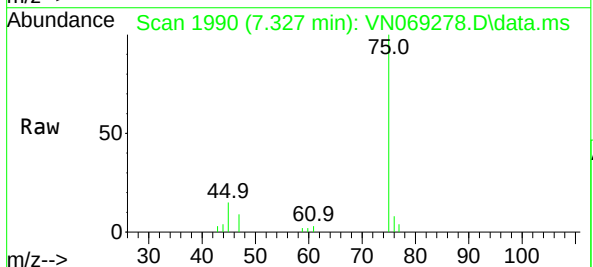
Instrument :
MSVOA_D
ClientSampled :

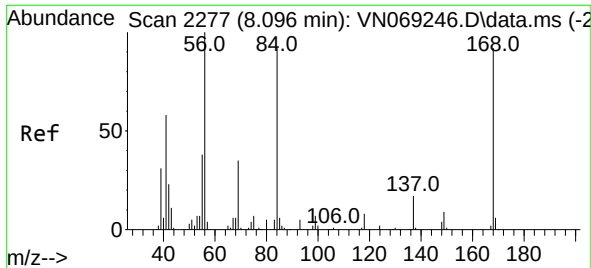
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#26
2,2-Dichloropropane
Concen: 0.967 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 77 Resp: 720
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

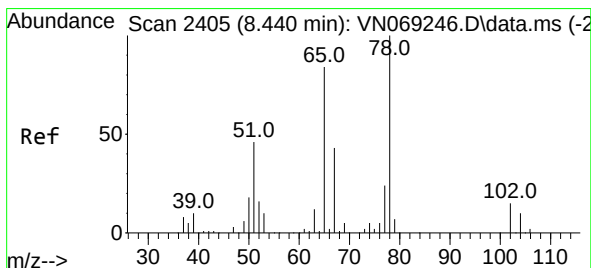
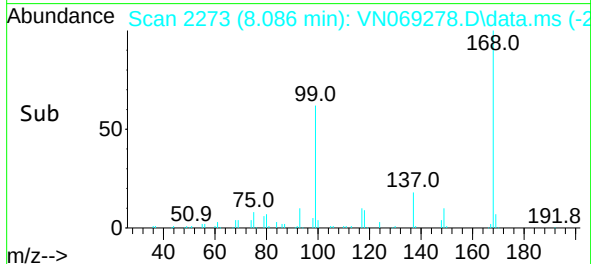
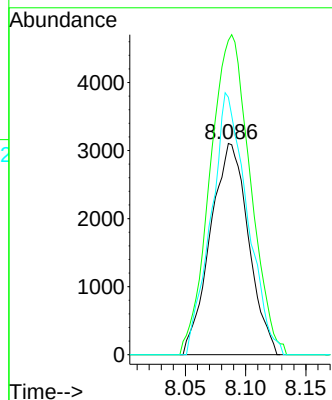
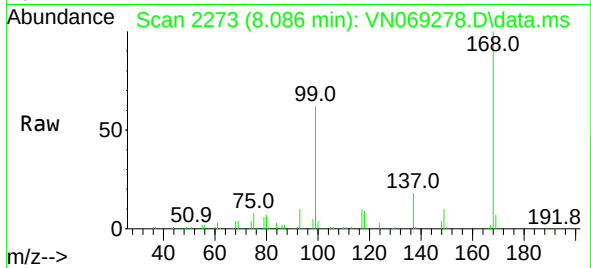




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

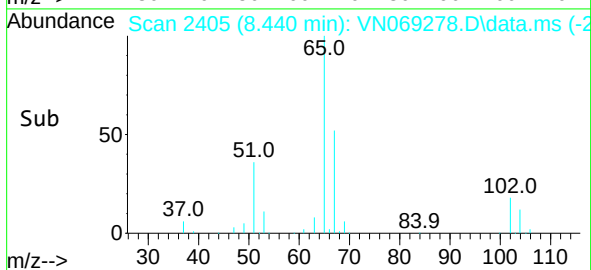
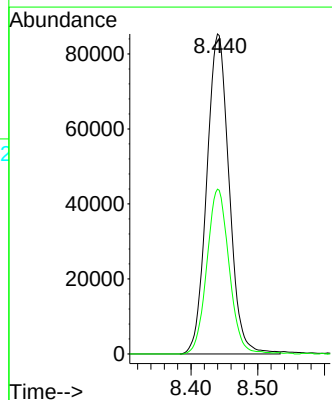
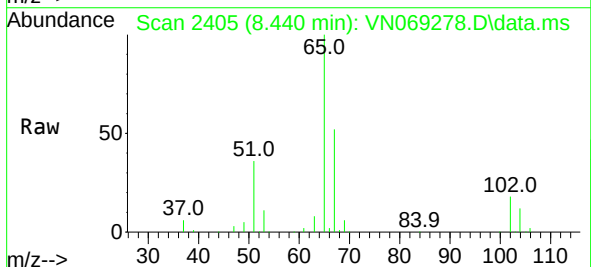
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MSVOA_D
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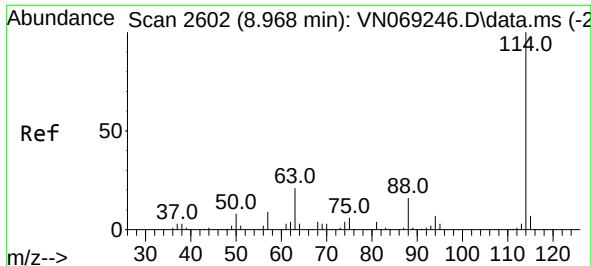
Tgt Ion: 56 Resp: 6818
Ion Ratio Lower Upper
56 100
69 148.8 26.9 40.3#
84 121.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.861 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 65 Resp: 198551
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8

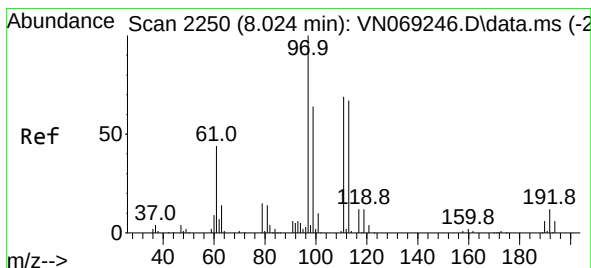
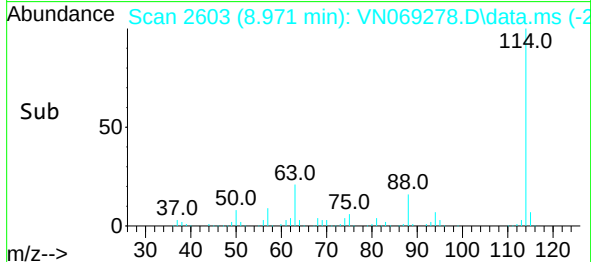
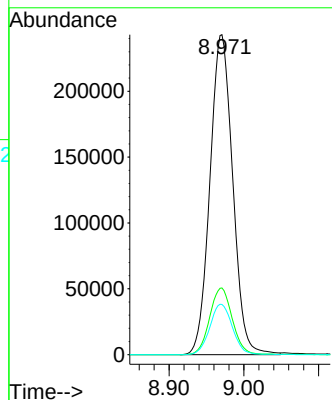
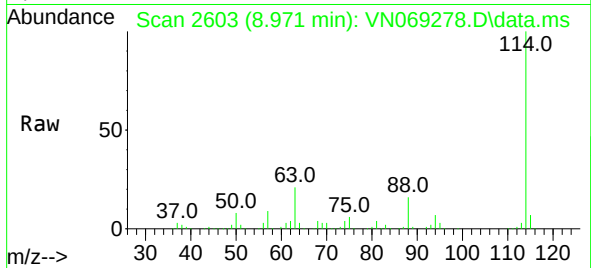




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

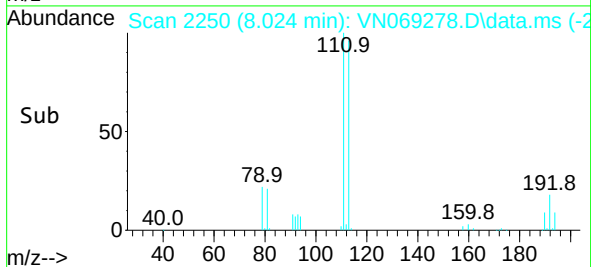
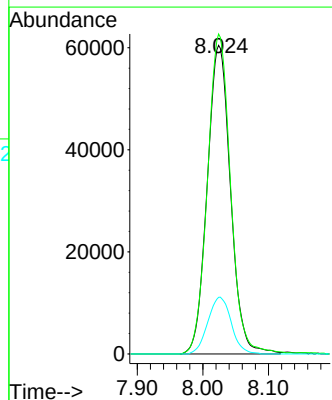
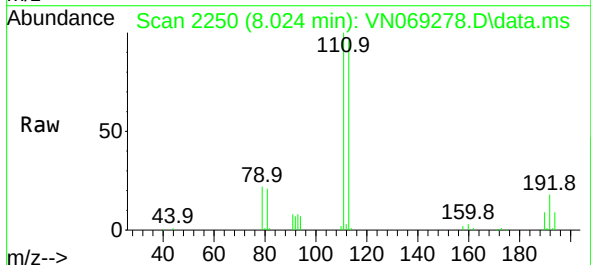
Instrument :
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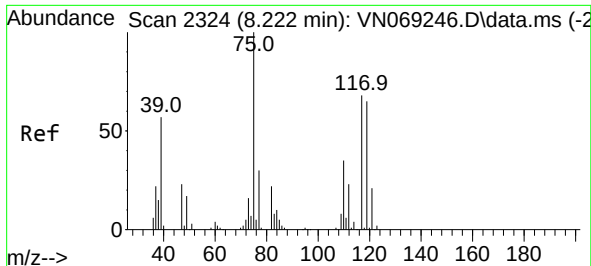
Tgt Ion:114 Resp: 513905
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.572 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion:113 Resp: 149195
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 18.5 15.0 22.4

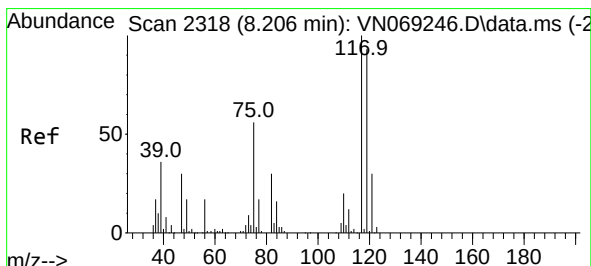
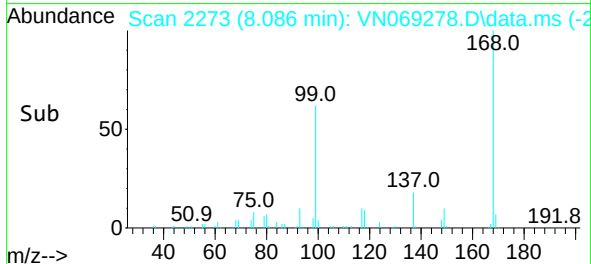
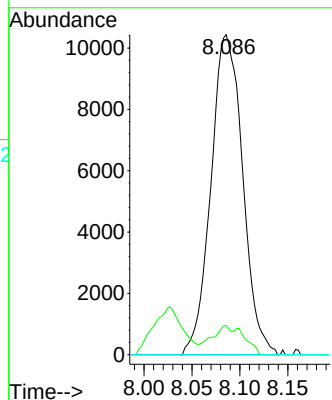
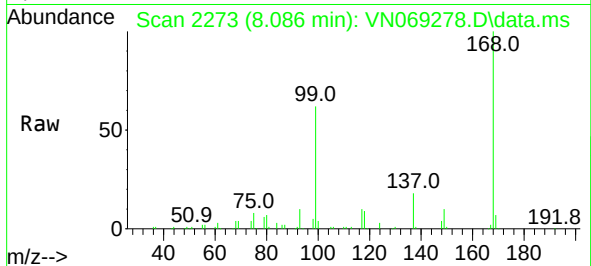




#36
1,1-Dichloropropene
Concen: 5.423 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

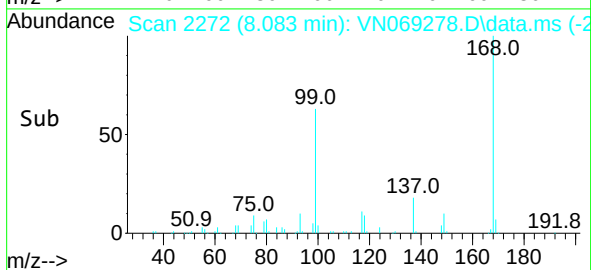
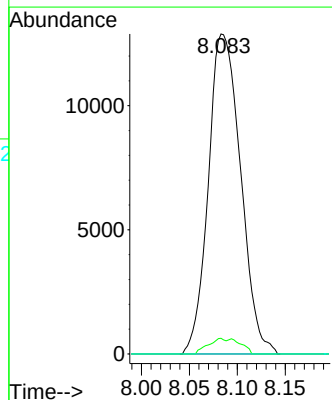
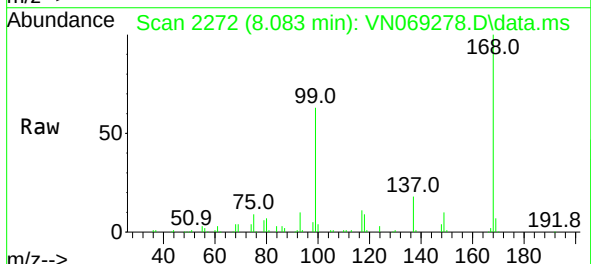
Instrument :
MSVOA_D
ClientSampleId :

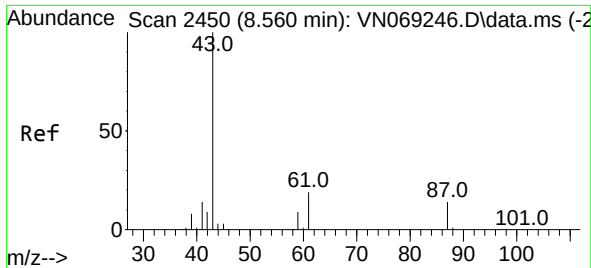
Tgt Ion: 75 Resp: 24025
Ion Ratio Lower Upper
75 100
110 2.6 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

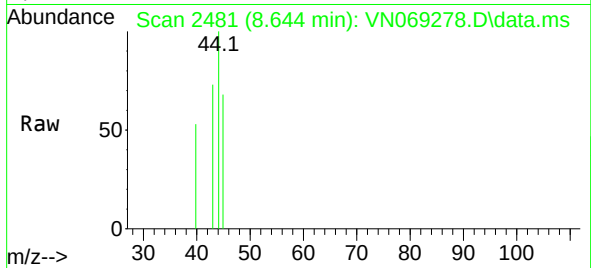
Tgt Ion: 117 Resp: 30176
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#



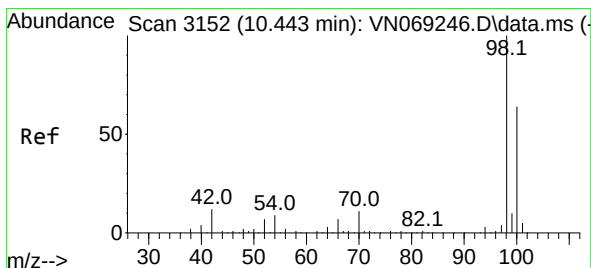
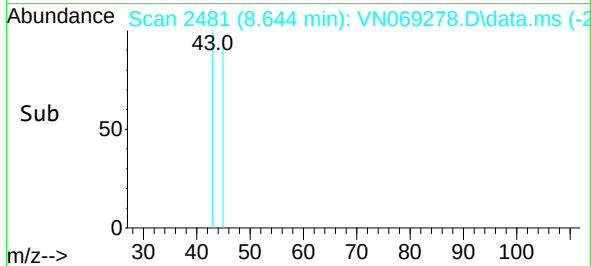
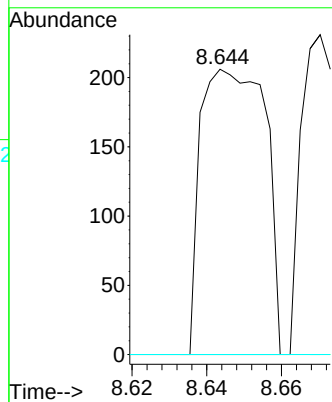


#43
Isopropyl Acetate
Concen: 0.486 ug/l
RT: 8.644 min Scan# 2481
Delta R.T. 0.084 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Instrument :
MSVOA_D
ClientSampled :

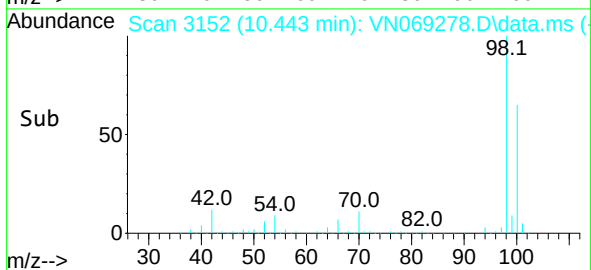
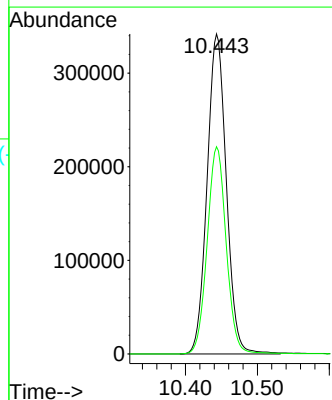
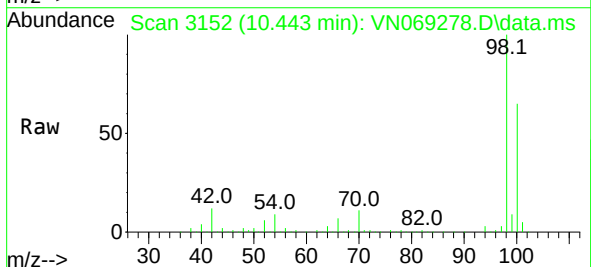


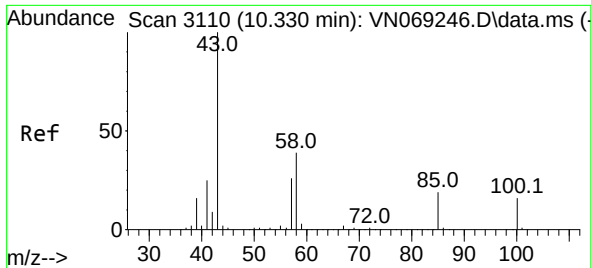
Tgt Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 49.662 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 98 Resp: 636103
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

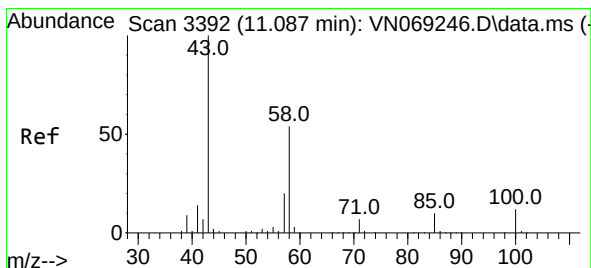
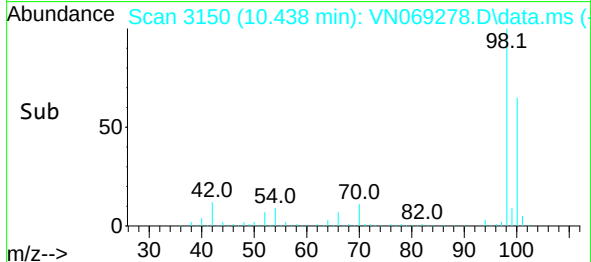
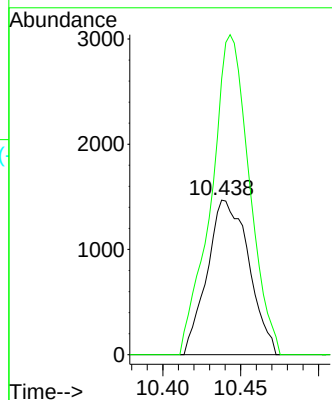
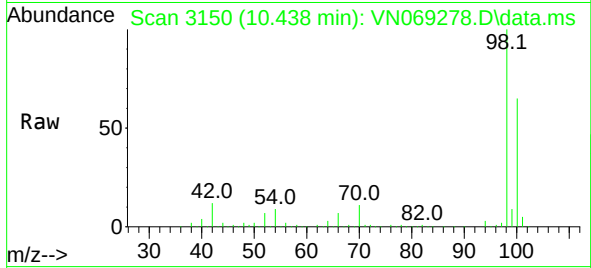




#51
4-Methyl-2-Pentanone
Concen: 6.866 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.108 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

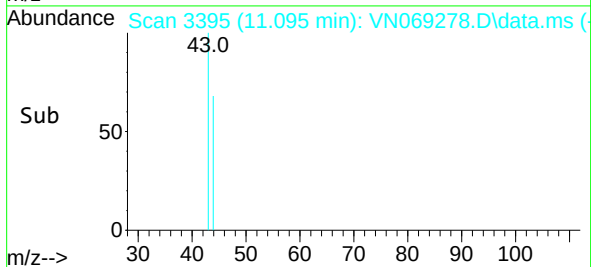
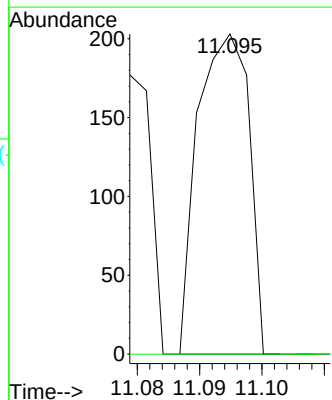
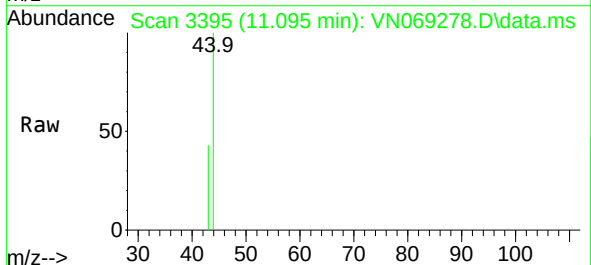
Instrument :
MSVOA_D
ClientSampled :

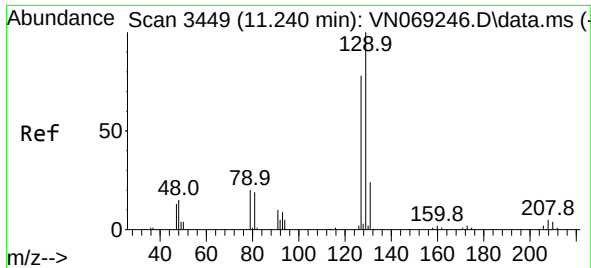
Tgt Ion: 43 Resp: 2725
Ion Ratio Lower Upper
43 100
58 190.6 31.0 46.4#



#59
2-Hexanone
Concen: 8.026 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

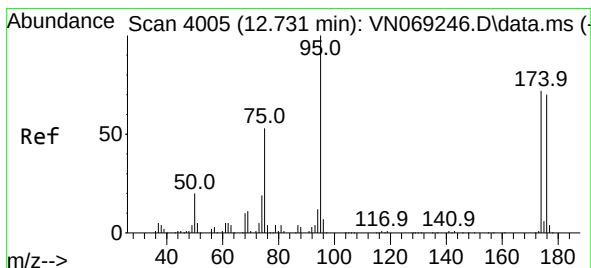
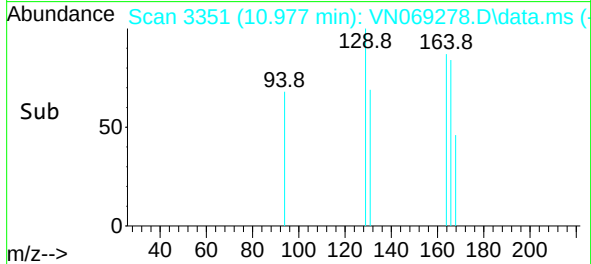
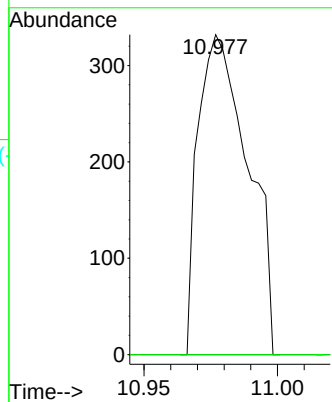
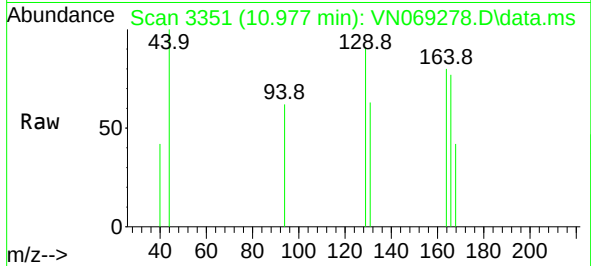




#60
Dibromochloromethane
Concen: 2.079 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

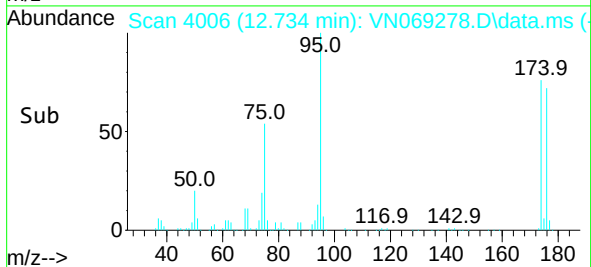
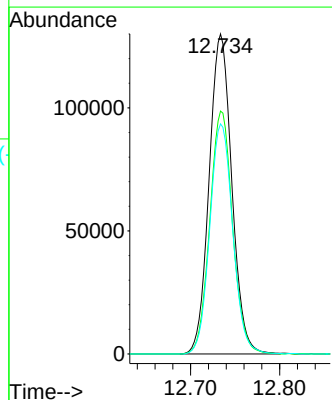
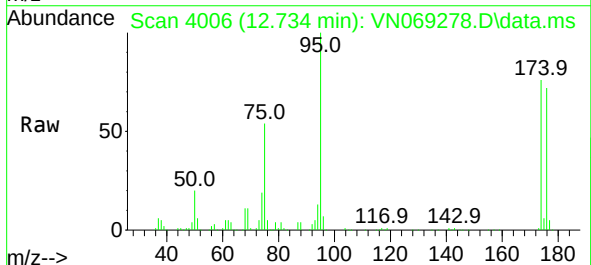
Instrument :
MSVOA_D
ClientSampleId :

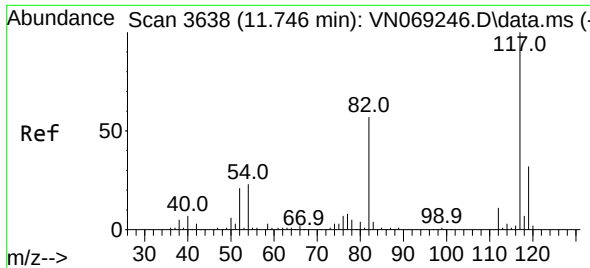
Tgt Ion:129 Resp: 431
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 47.548 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 95 Resp: 229815
Ion Ratio Lower Upper
95 100
174 76.4 0.0 144.8
176 72.8 0.0 140.0

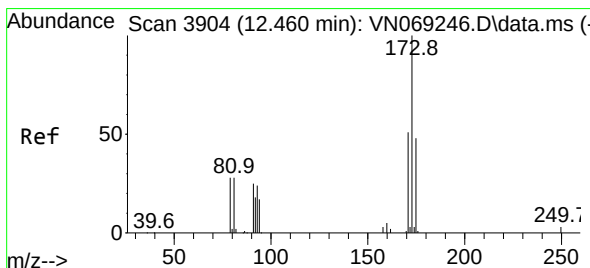
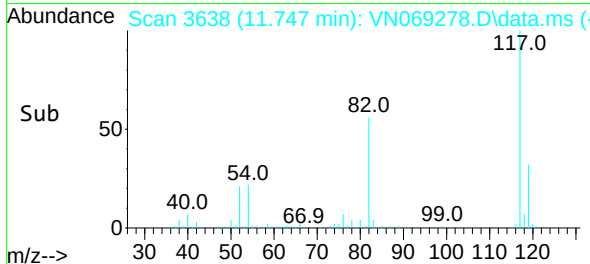
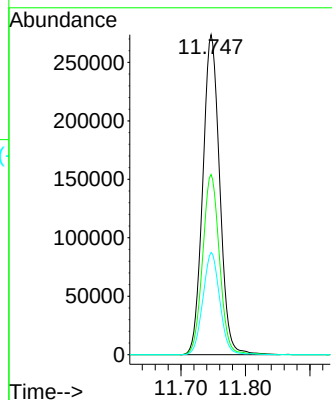
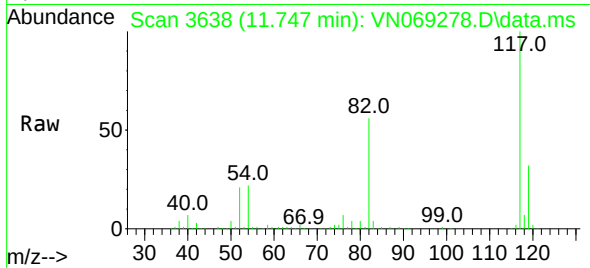




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

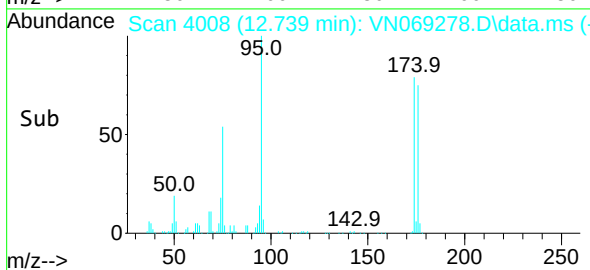
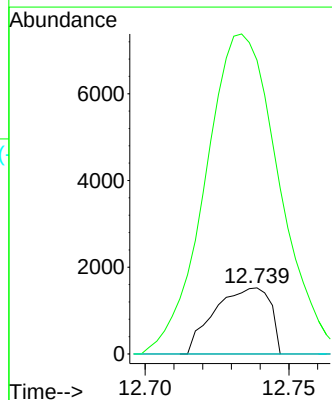
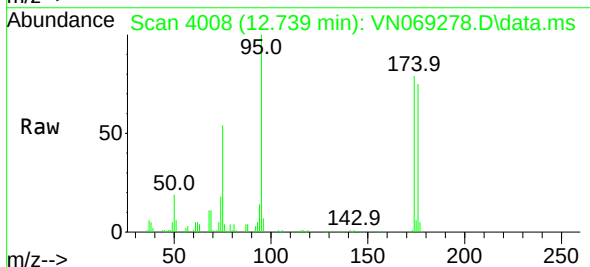
Instrument :
MSVOA_D
ClientSampled :

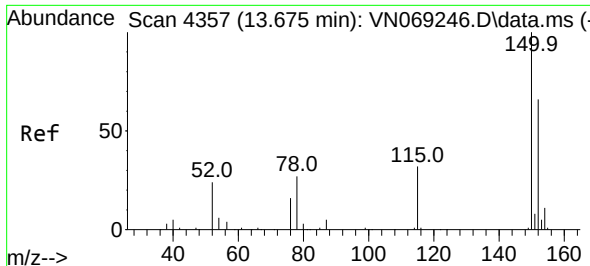
Tgt Ion:117 Resp: 498880
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 32.0 26.0 39.0



#71
Bromoform
Concen: 3.501 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion:173 Resp: 2059
Ion Ratio Lower Upper
173 100
175 587.8 23.8 71.5#
254 0.0 0.0 0.0

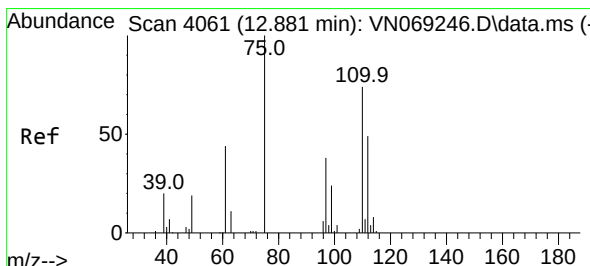
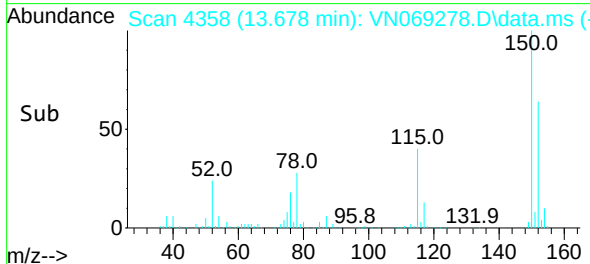
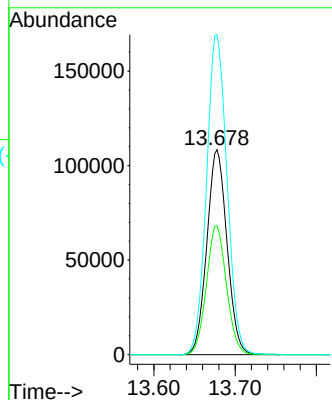
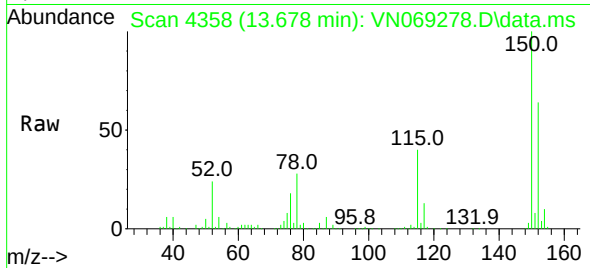




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

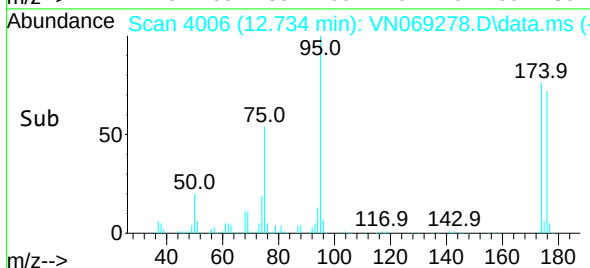
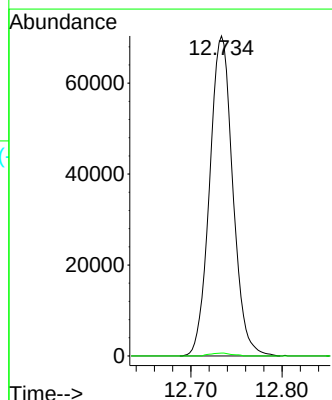
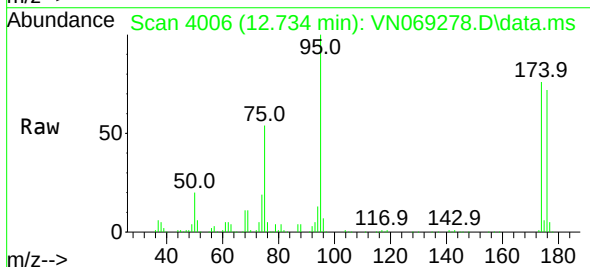
Instrument :
MSVOA_D
ClientSampled :

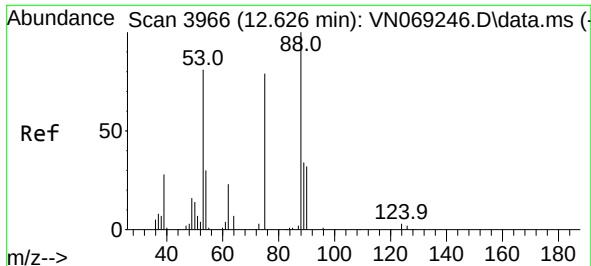
Tgt Ion:152 Resp: 187121
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.3
150 158.6 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 25.264 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 75 Resp: 124334
Ion Ratio Lower Upper
75 100
77 0.8 96.2 288.4#

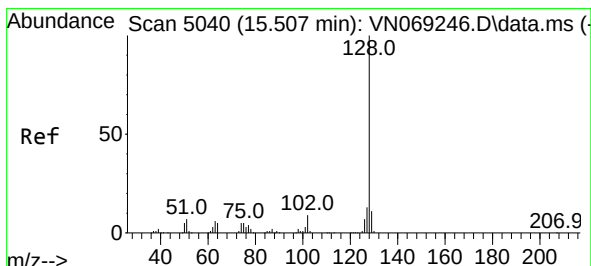
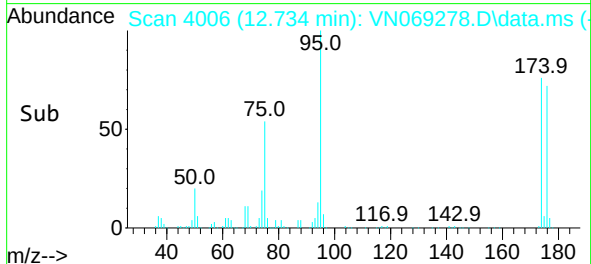
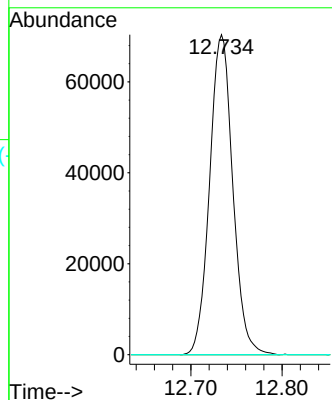
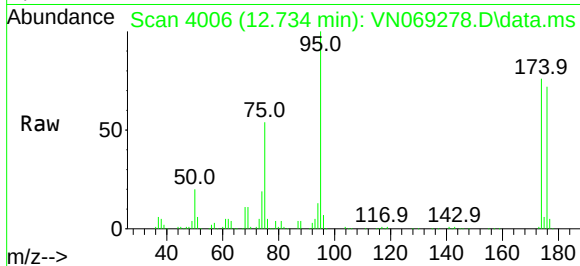




#81
trans-1,4-Dichloro-2-butene
Concen: 72.315 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 124334
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.407 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069278.D
Acq: 29 Oct 2021 4:18

Tgt Ion: 128 Resp: 995
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

