

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045804.D
 Acq On : 16 Apr 2025 13:48
 Operator : JC/MD
 Sample : PB167604ZHE#62
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#62

Quant Time: Apr 17 01:36:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

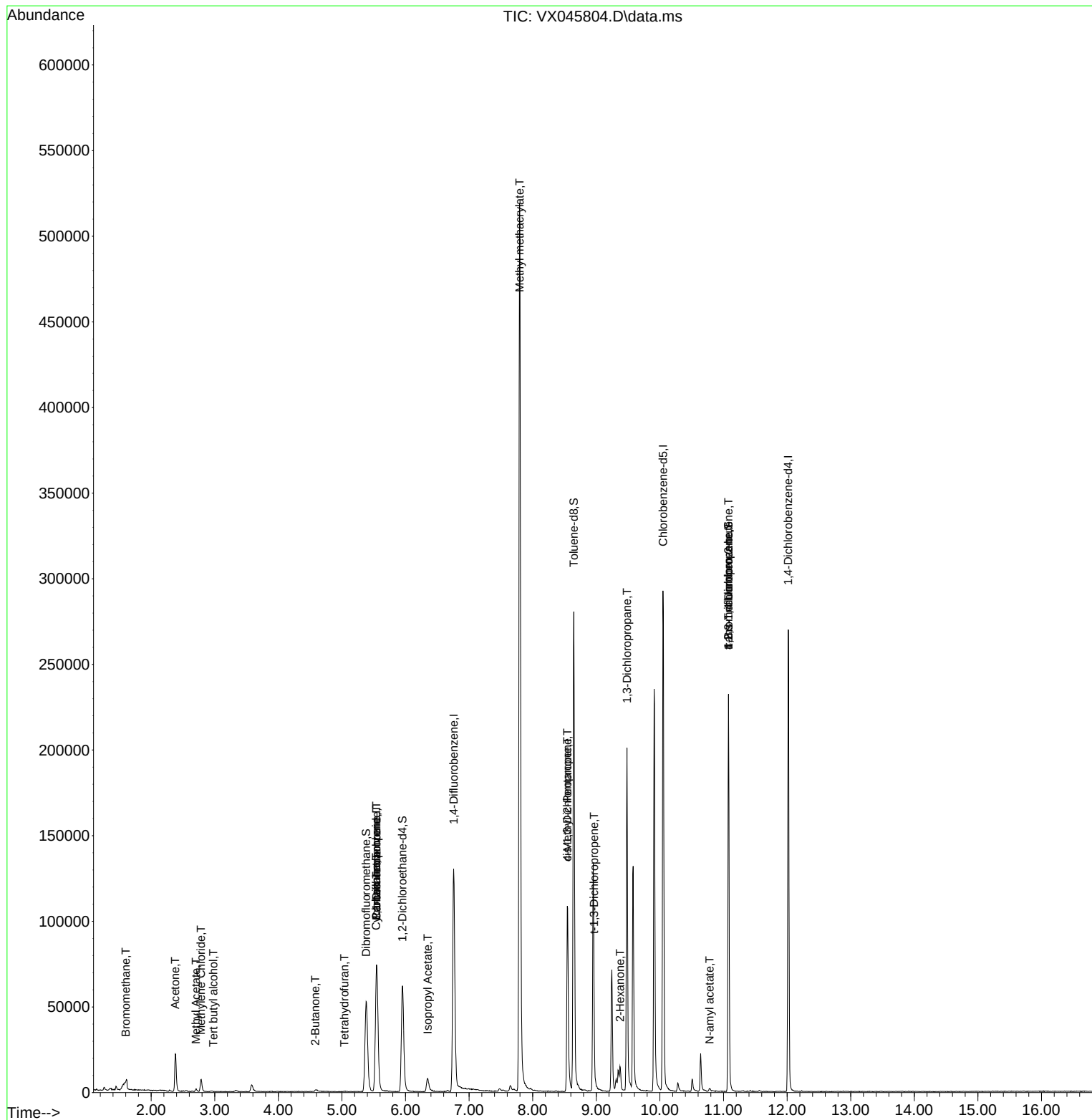
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126781	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63759	54.145	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.280%	
35) Dibromofluoromethane	5.379	113	46337	51.513	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.020%	
50) Toluene-d8	8.647	98	160089	50.989	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.980%	
62) 4-Bromofluorobenzene	11.079	95	60725	53.099	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.200%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	92	0.214	ug/l #	3
11) Tert butyl alcohol	2.977	59	301	1.902	ug/l #	72
16) Acetone	2.380	43	24913	51.522	ug/l	97
18) Methyl Acetate	2.703	43	1977	1.776	ug/l	97
20) Methylene Chloride	2.782	84	3276	3.619	ug/l #	88
25) 2-Butanone	4.580	43	1888	2.667	ug/l	90
29) Tetrahydrofuran	5.038	42	188	0.410	ug/l #	35
31) Cyclohexane	5.538	56	1932	1.337	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6142	5.057	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7378	5.621	ug/l #	16
43) Isopropyl Acetate	6.348	43	11649	5.022	ug/l	99
48) Methyl methacrylate	7.793	41	52118	43.514	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	43753	28.452	ug/l #	52
53) t-1,3-Dichloropropene	8.964	75	163	2.403	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	17066	12.800	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1801	1.156	ug/l #	42
59) 2-Hexanone	9.372	43	13603	11.945	ug/l #	28
74) N-amyl acetate	10.781	43	1355	0.701	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	35002	28.463	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35002	96.600	ug/l #	1

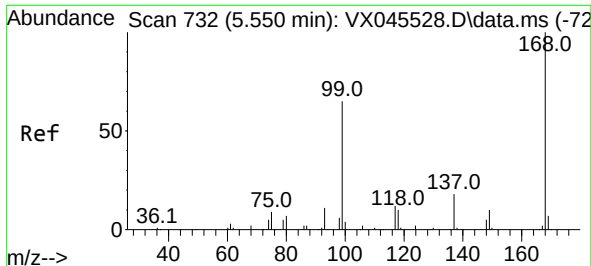
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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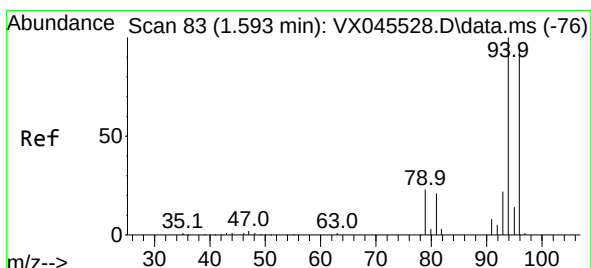
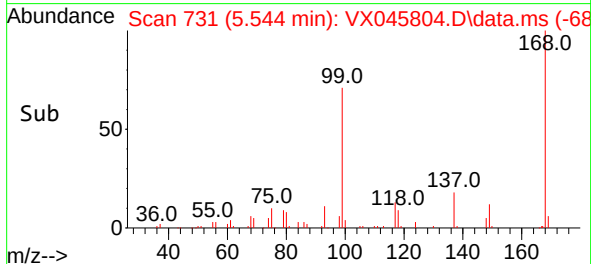
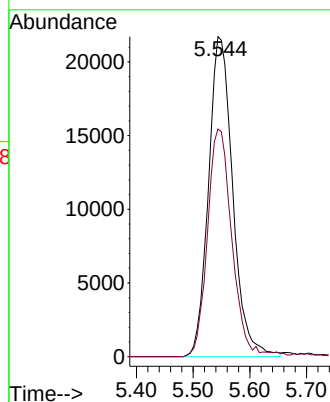
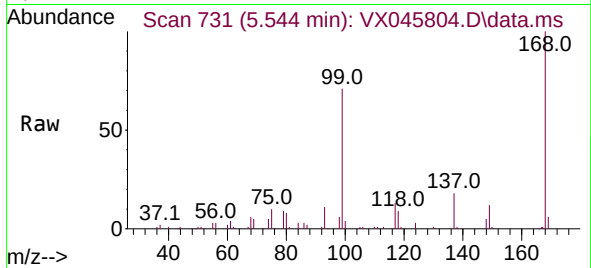




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

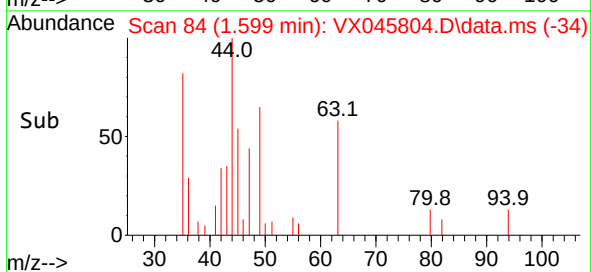
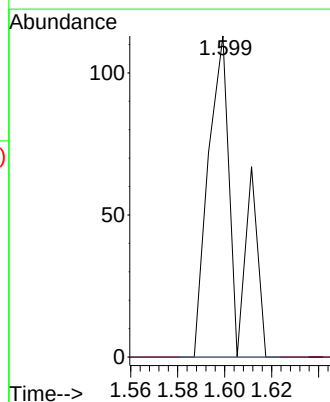
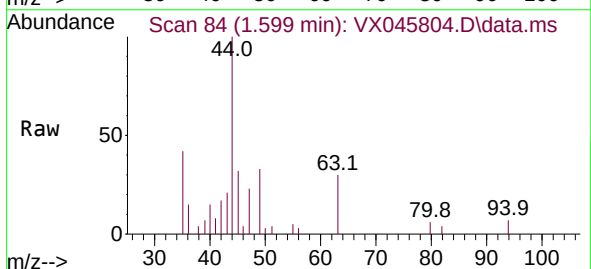
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

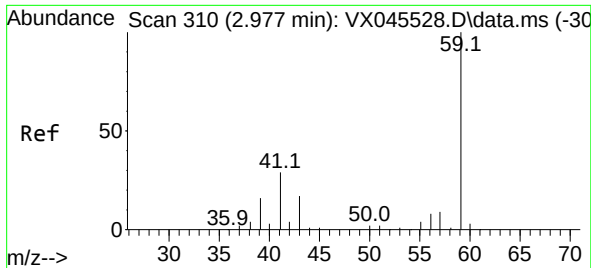
Tgt Ion:168 Resp: 64392
Ion Ratio Lower Upper
168 100
99 71.2 52.3 78.5



#5
Bromomethane
Concen: 0.214 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

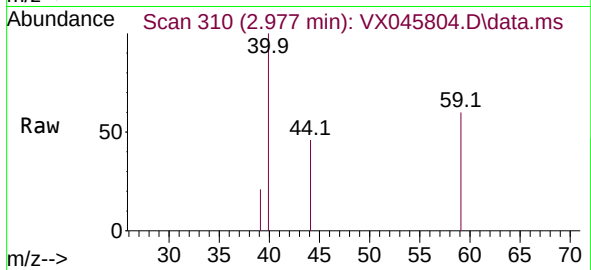
Tgt Ion: 94 Resp: 92
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



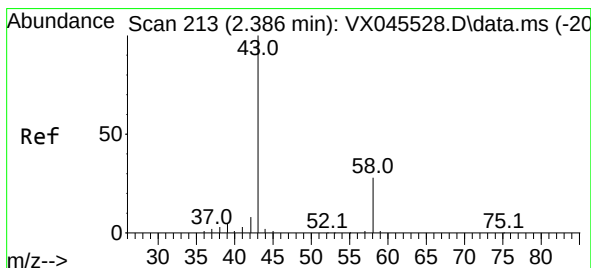
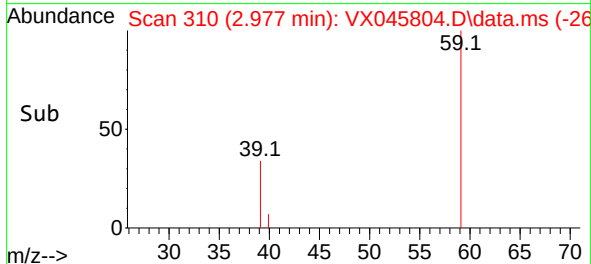
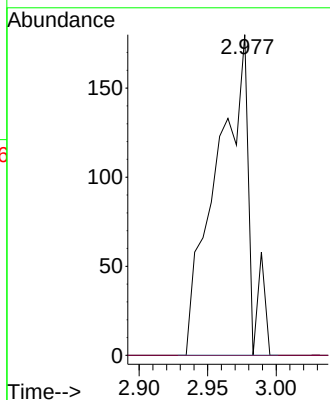


#11
Tert butyl alcohol
Concen: 1.902 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

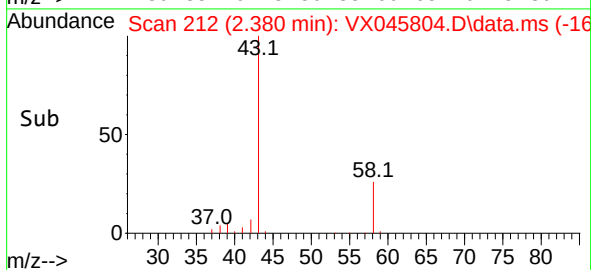
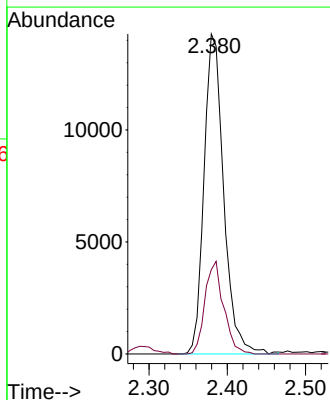
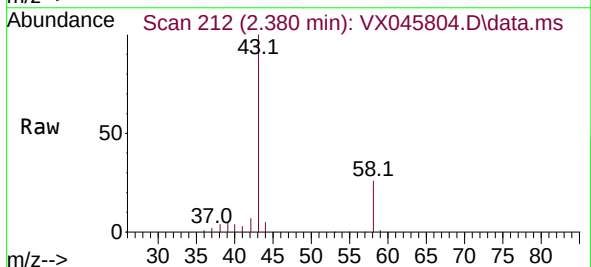


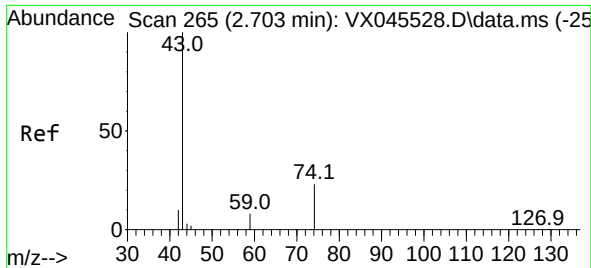
Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 51.522 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 43 Resp: 24913
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5

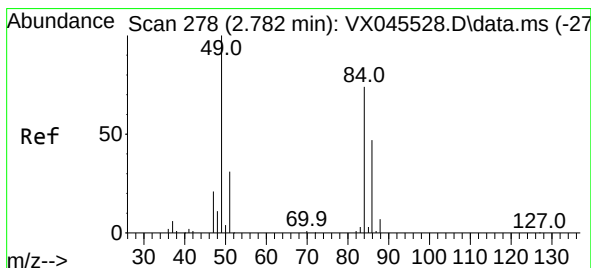
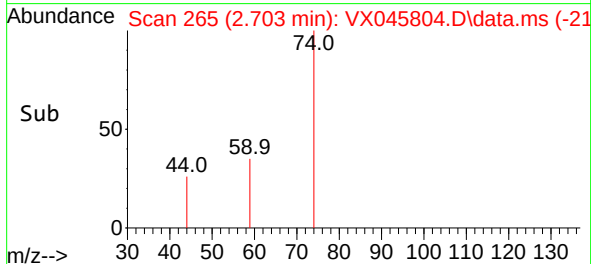
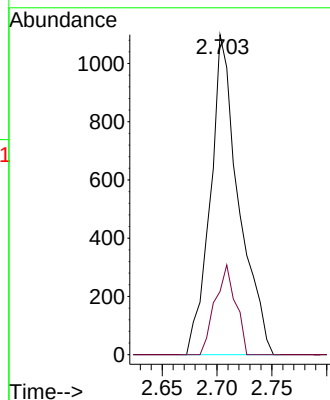
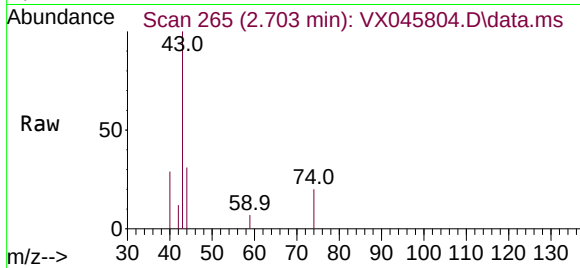




#18
Methyl Acetate
Concen: 1.776 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

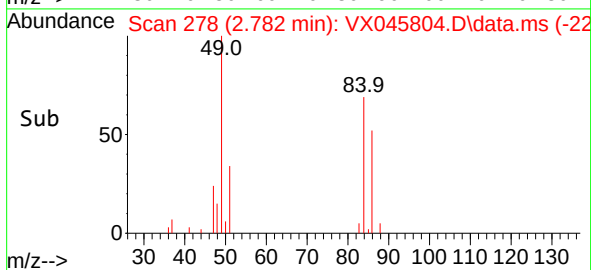
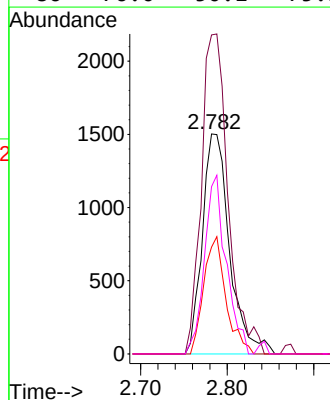
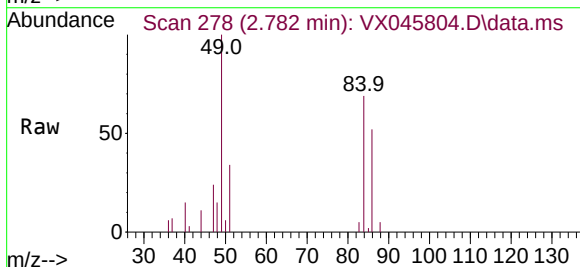
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

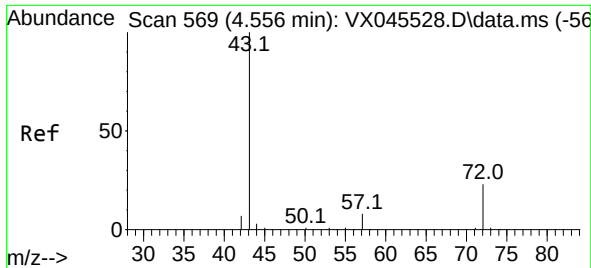
Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
74 20.3 17.5 26.3



#20
Methylene Chloride
Concen: 3.619 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 84 Resp: 3276
Ion Ratio Lower Upper
84 100
49 145.0 107.5 161.3
51 48.6 33.0 49.6
86 76.0 50.1 75.1#

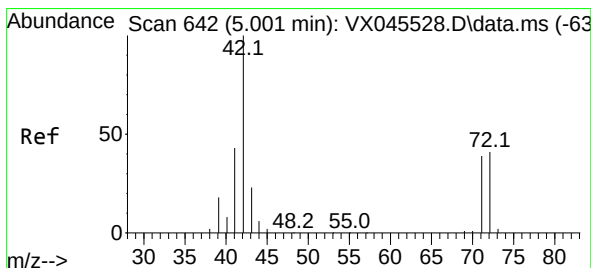
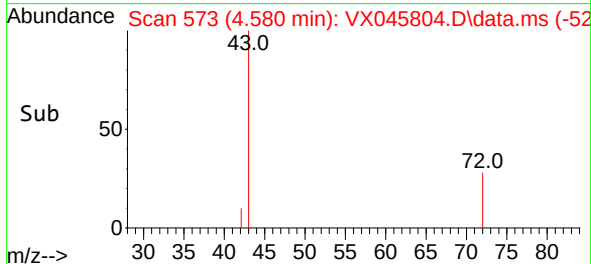
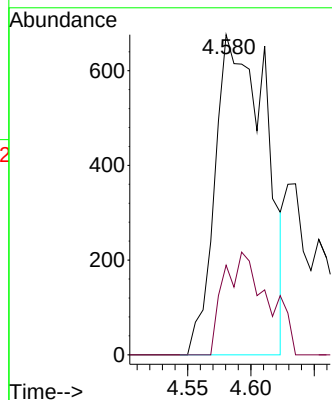
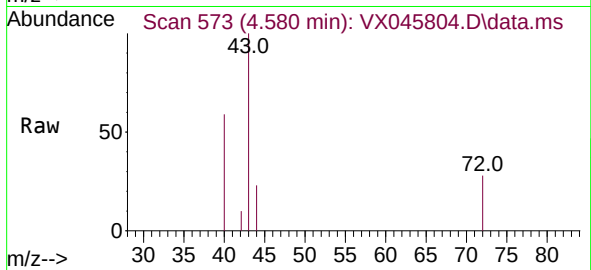




#25
2-Butanone
Concen: 2.667 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

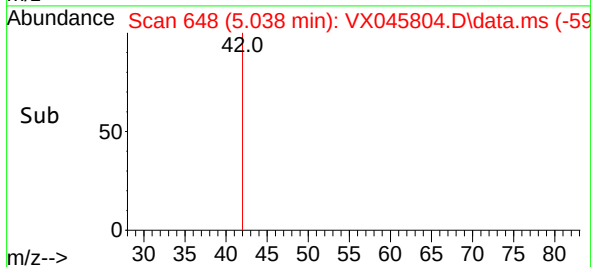
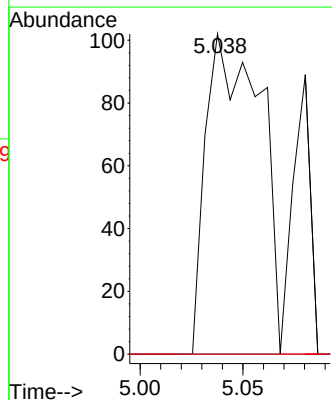
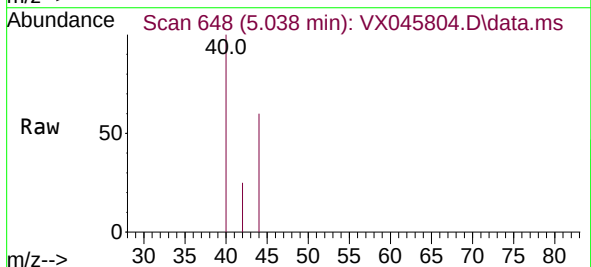
Instrument :
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ClientSampleId :
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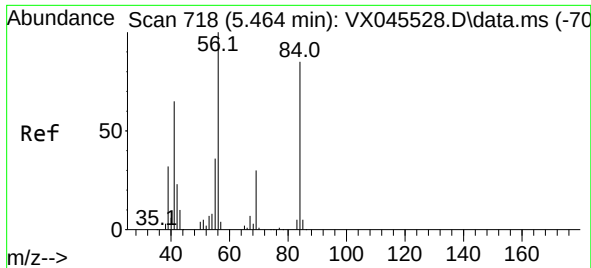
Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
72 28.0 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.410 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 42 Resp: 188
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

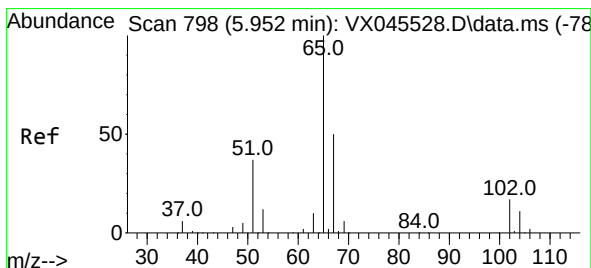
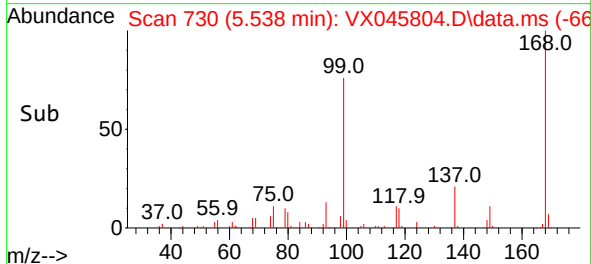
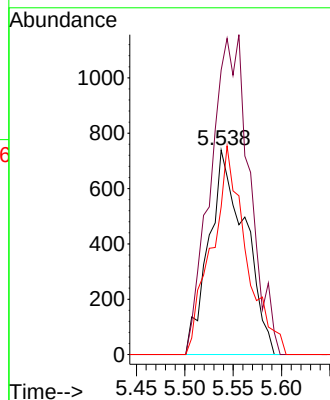
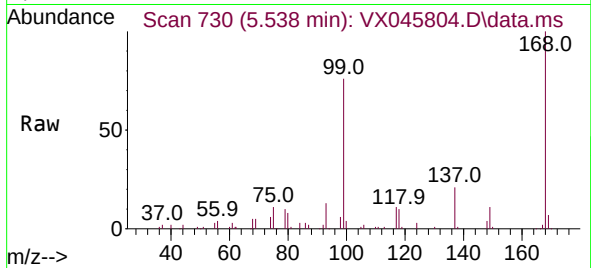




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

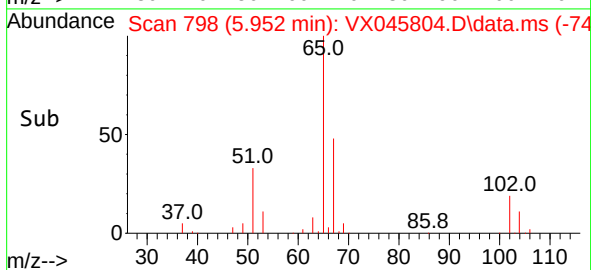
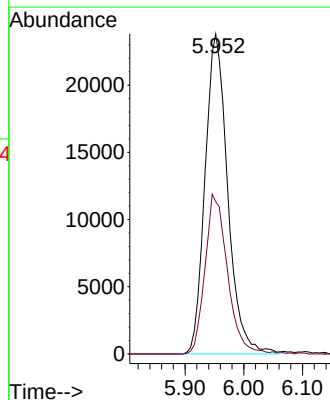
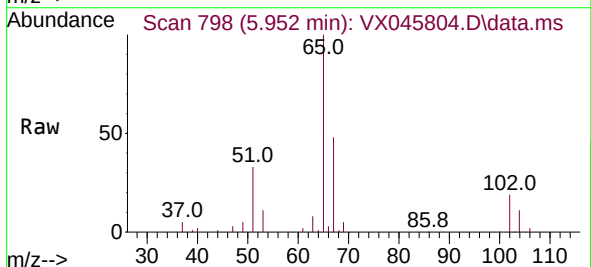
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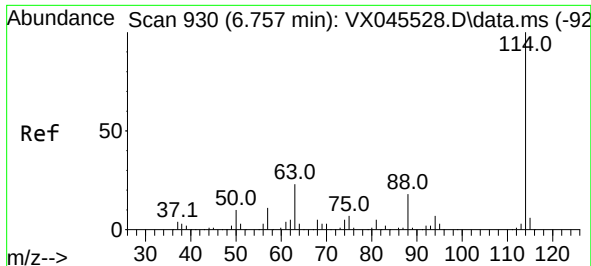
Tgt Ion: 56 Resp: 1932
Ion Ratio Lower Upper
56 100
69 139.1 23.6 35.4#
84 72.3 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.145 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 65 Resp: 63759
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

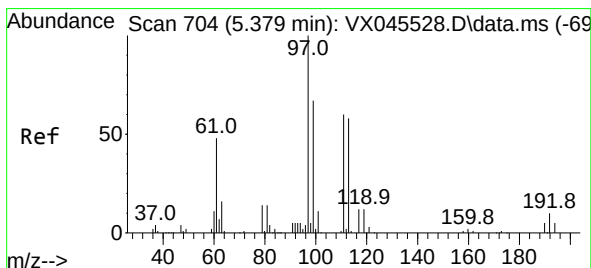
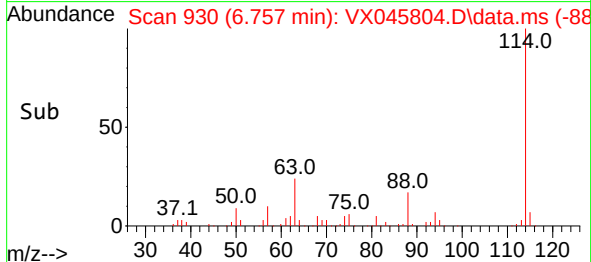
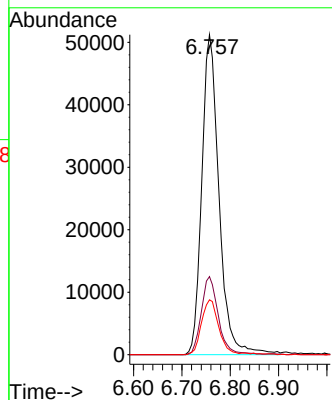
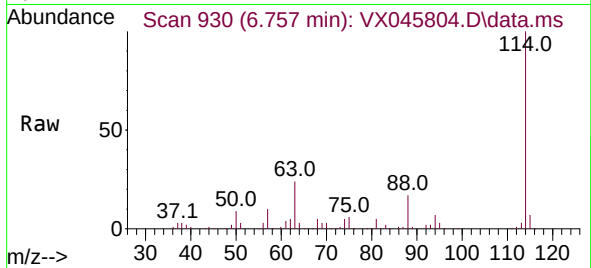




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

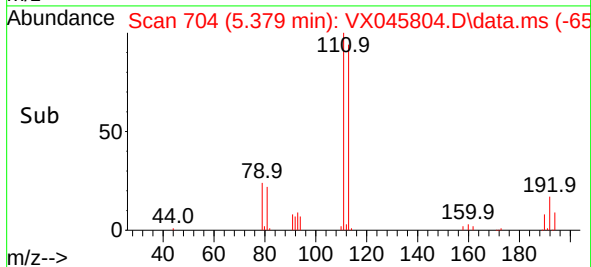
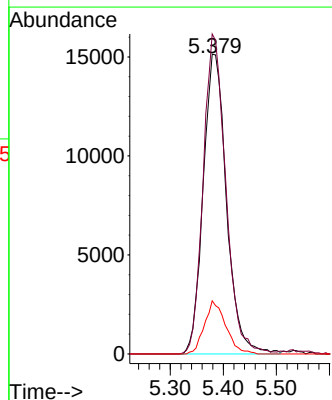
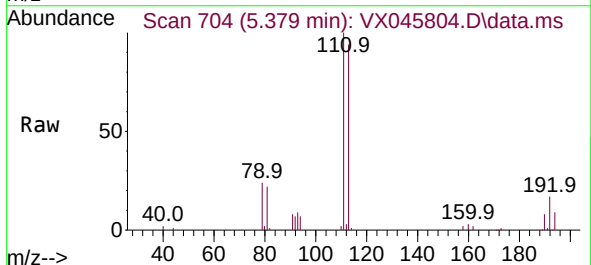
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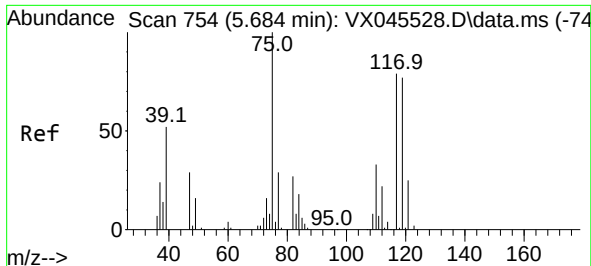
Tgt Ion:114 Resp: 126781
Ion Ratio Lower Upper
114 100
63 24.4 0.0 46.8
88 17.1 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.513 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion:113 Resp: 46337
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.6
192 16.2 13.8 20.6

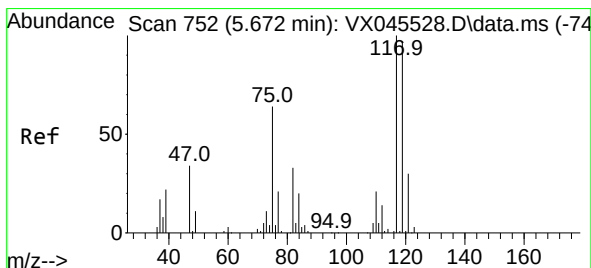
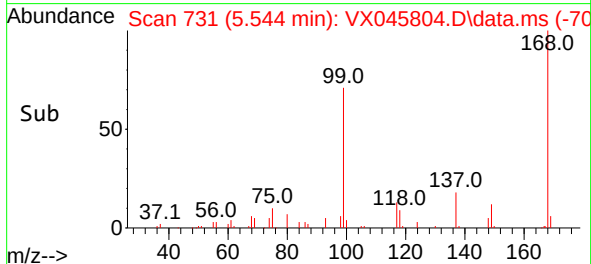
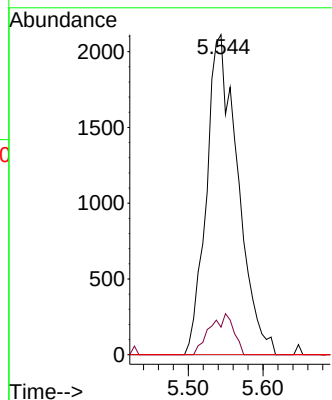
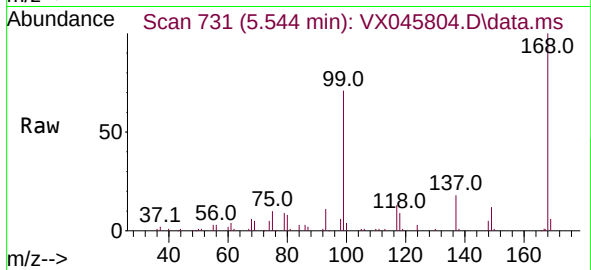




#36
1,1-Dichloropropene
Concen: 5.057 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

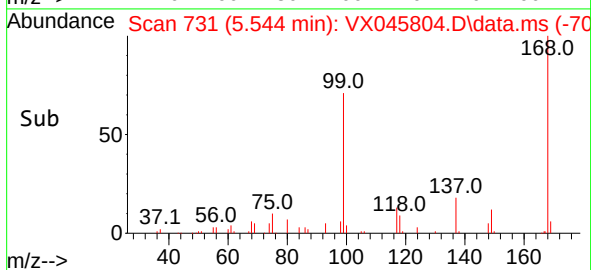
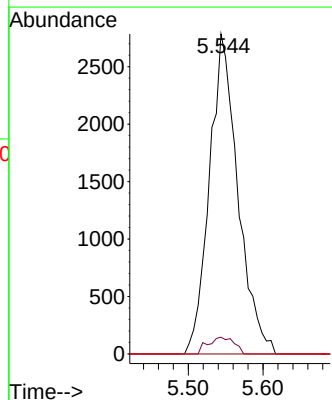
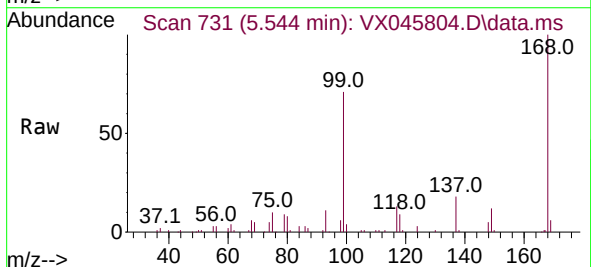
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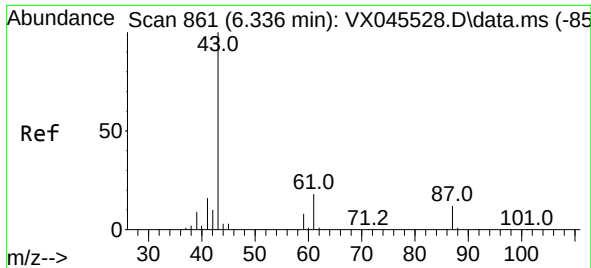
Tgt Ion: 75 Resp: 6142
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.621 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 117 Resp: 7378
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#

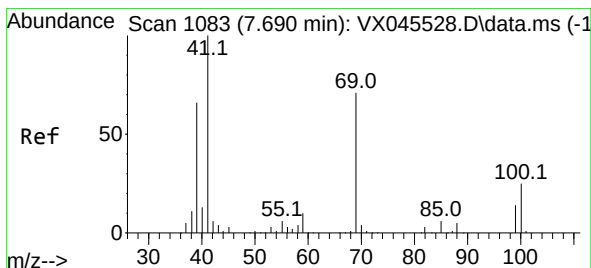
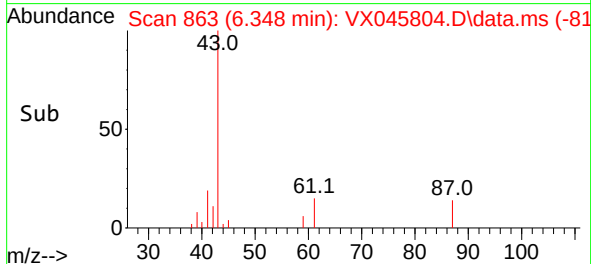
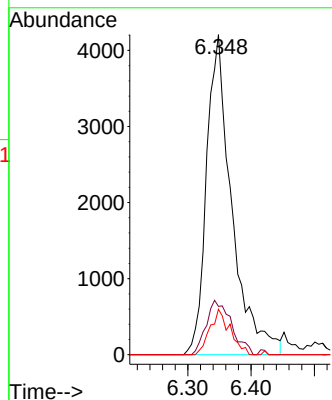
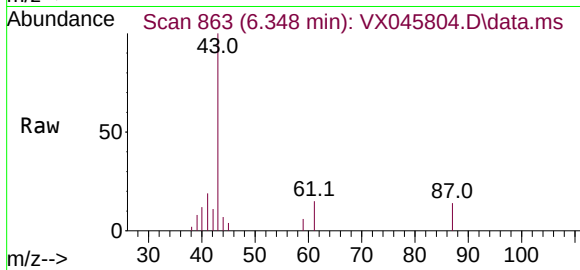




#43
Isopropyl Acetate
Concen: 5.022 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

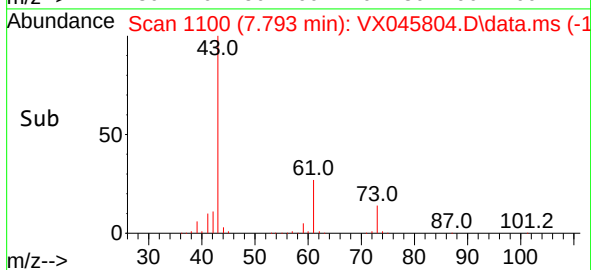
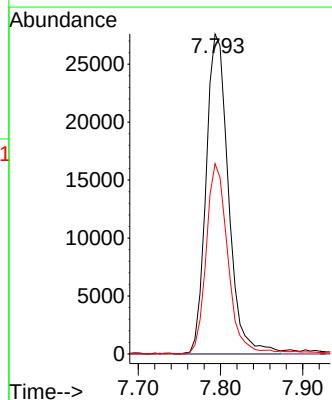
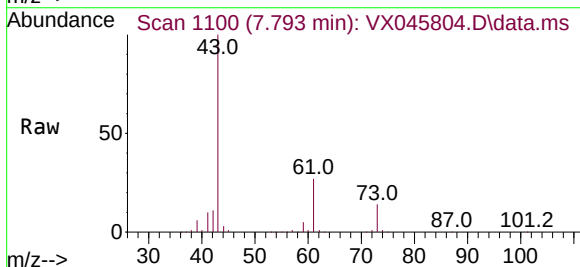
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

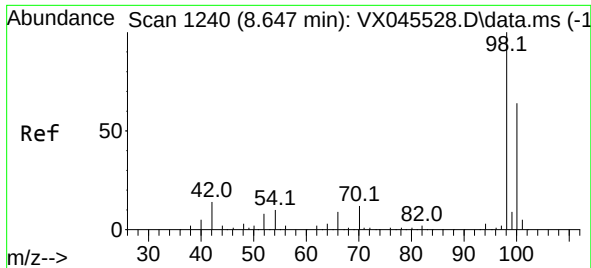
Tgt Ion: 43 Resp: 11649
Ion Ratio Lower Upper
43 100
61 17.0 14.1 21.1
87 11.3 9.2 13.8



#48
Methyl methacrylate
Concen: 43.514 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 41 Resp: 52118
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.8 53.6 80.4

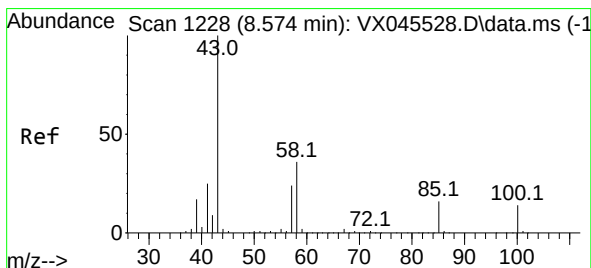
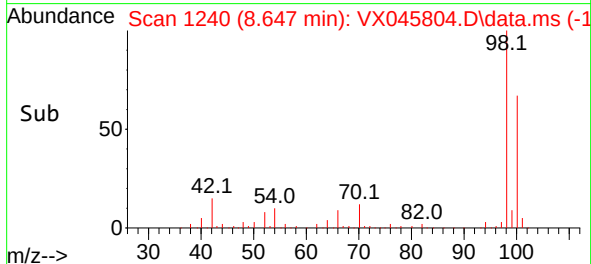
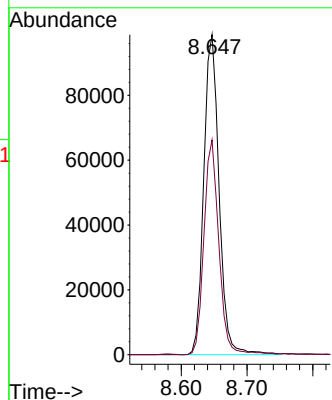
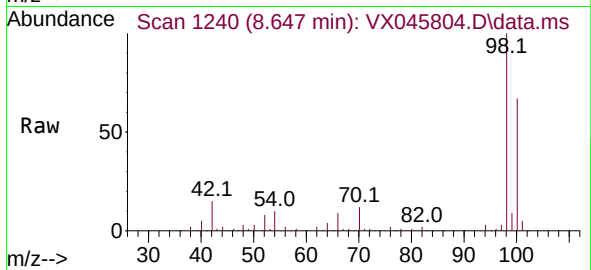




#50
Toluene-d8
Concen: 50.989 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

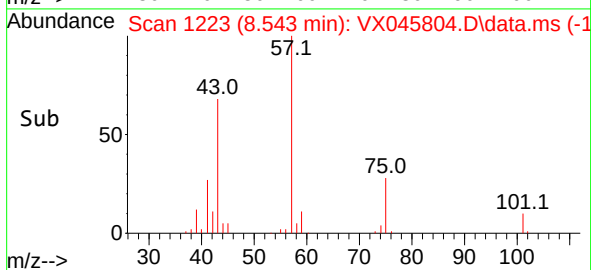
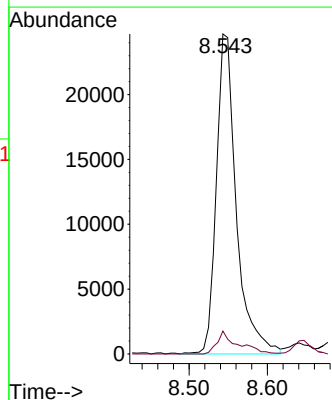
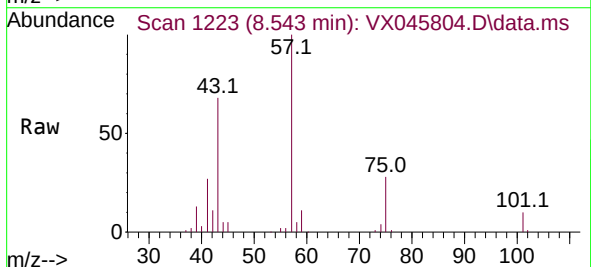
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

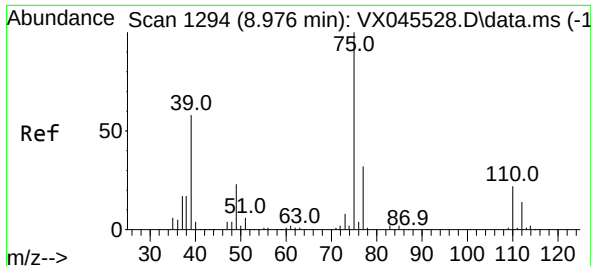
Tgt Ion: 98 Resp: 160089
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 28.452 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 43 Resp: 43753
Ion Ratio Lower Upper
43 100
58 7.4 28.5 42.7#

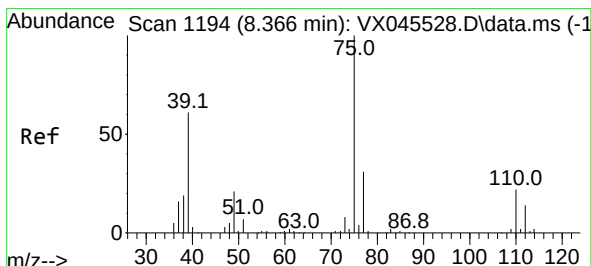
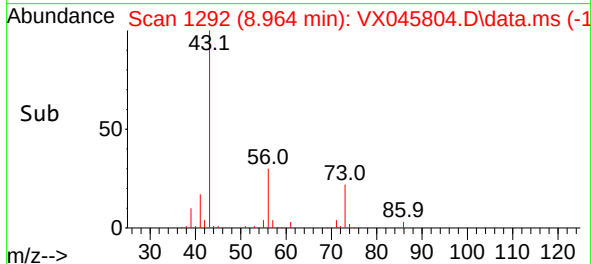
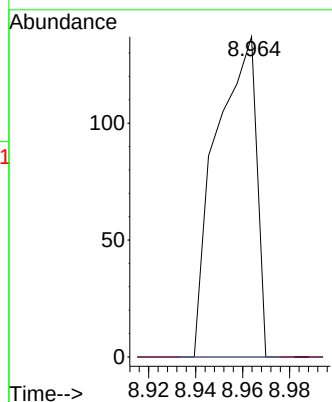
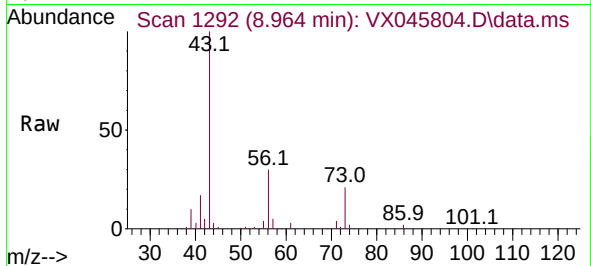




#53
t-1,3-Dichloropropene
Concen: 2.403 ug/l
RT: 8.964 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

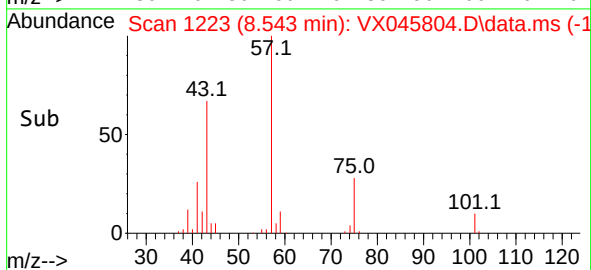
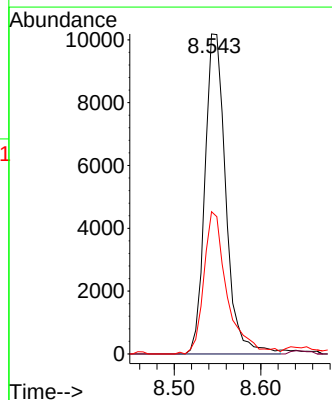
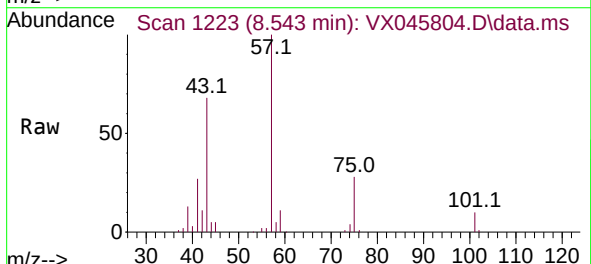
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

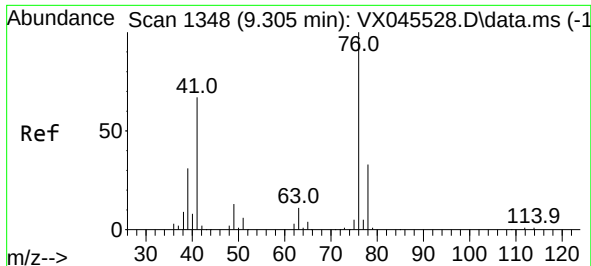
Tgt Ion: 75 Resp: 163
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 12.800 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.177 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 75 Resp: 17066
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 43.9 48.4 72.6#

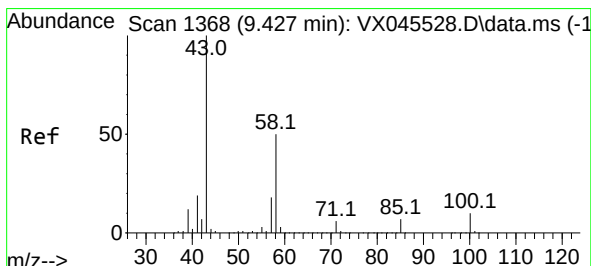
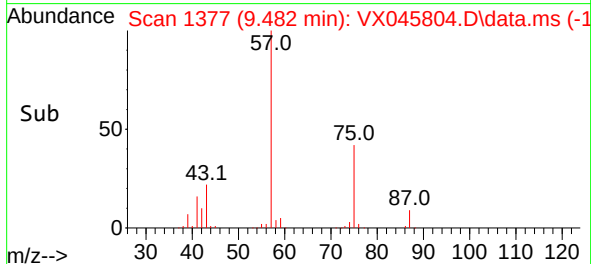
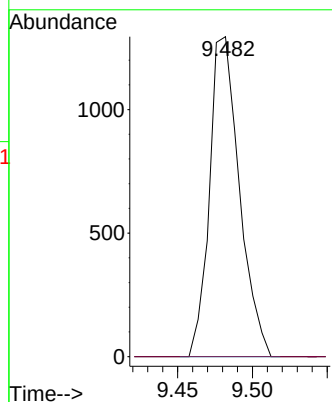
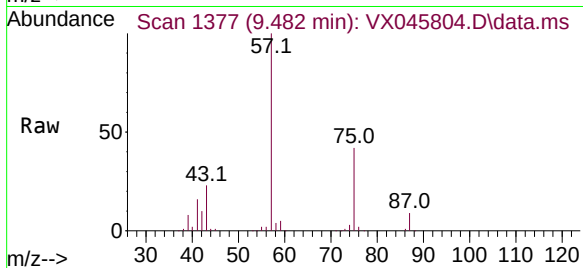




#57
1,3-Dichloropropane
Concen: 1.156 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

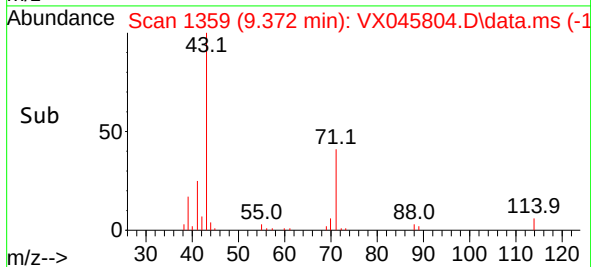
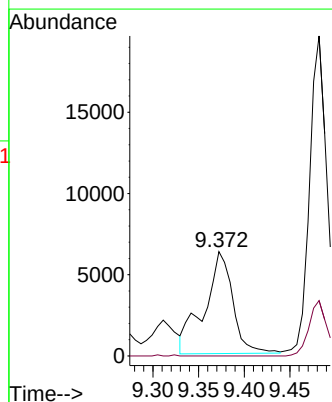
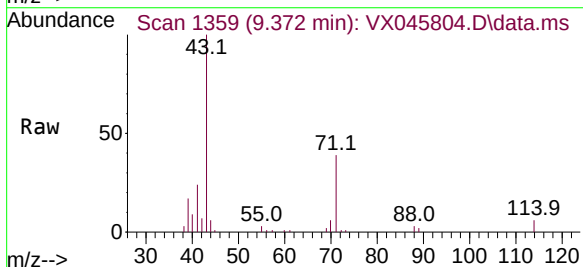
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

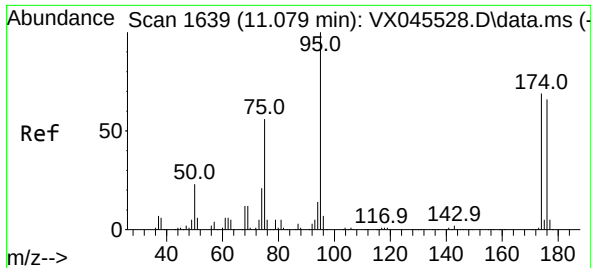
Tgt Ion: 76 Resp: 1801
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 11.945 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 43 Resp: 13603
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

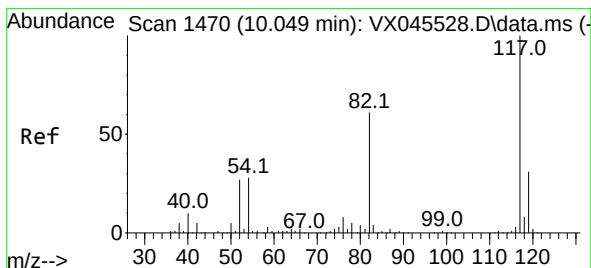
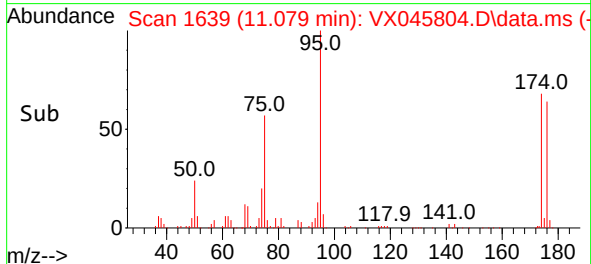
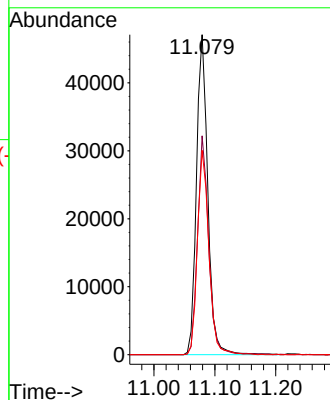
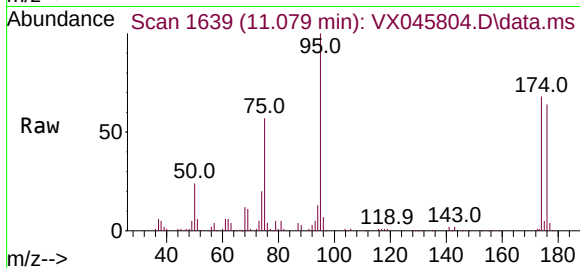




#62
4-Bromofluorobenzene
Concen: 53.099 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

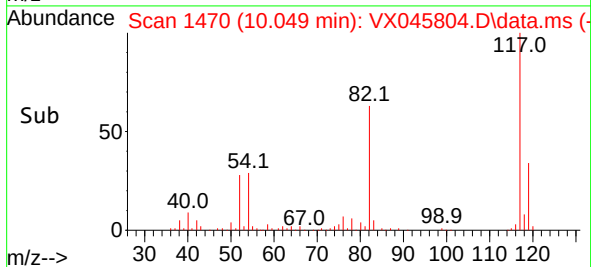
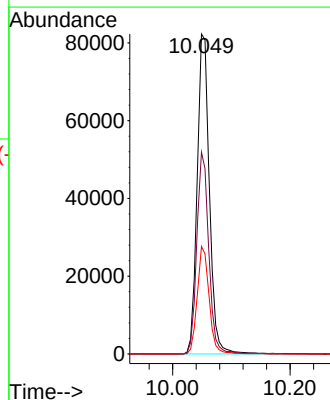
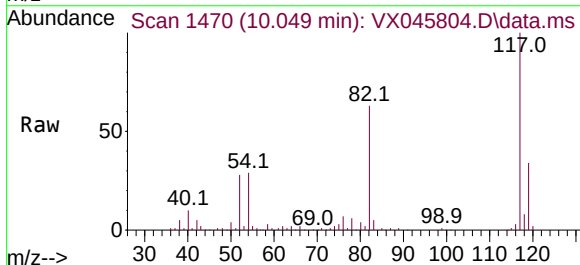
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

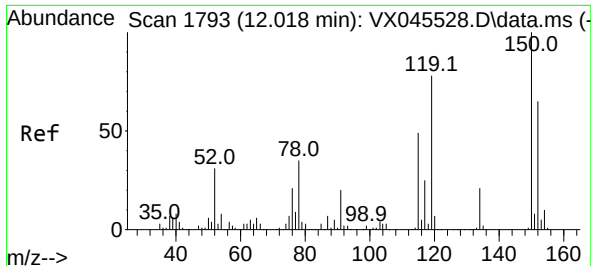
Tgt Ion: 95 Resp: 60725
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.8
176 64.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 117 Resp: 119140
Ion Ratio Lower Upper
117 100
82 63.1 49.2 73.8
119 33.6 25.1 37.7

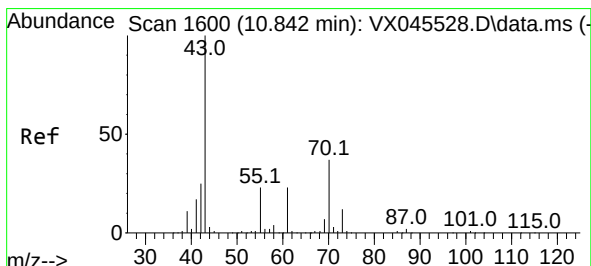
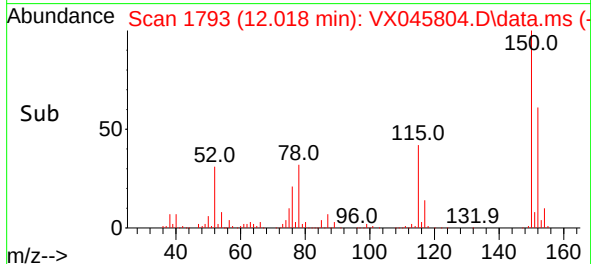
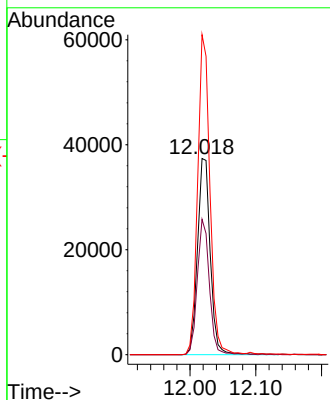
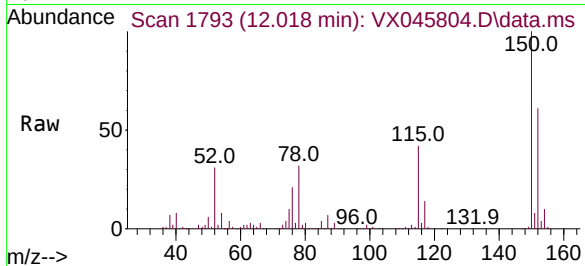




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045804.D
 Acq: 16 Apr 2025 13:48

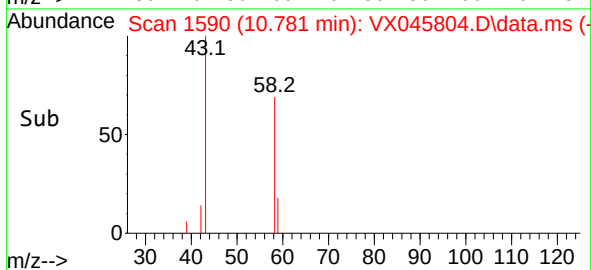
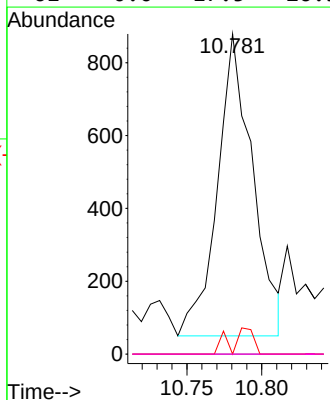
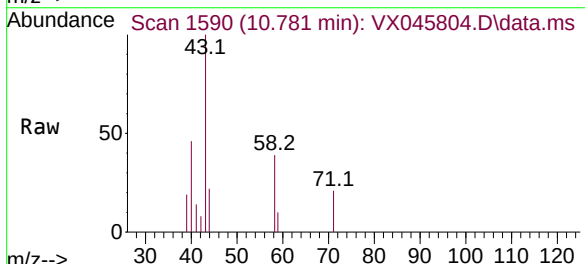
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#62

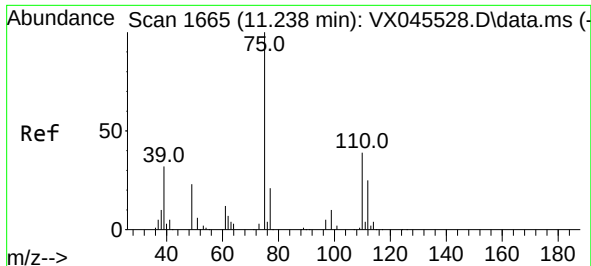
Tgt Ion:152 Resp: 50415
 Ion Ratio Lower Upper
 152 100
 115 65.3 46.9 140.7
 150 156.0 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.701 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045804.D
 Acq: 16 Apr 2025 13:48

Tgt Ion: 43 Resp: 1355
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 5.5 18.3 27.5#
 61 0.0 17.5 26.3#

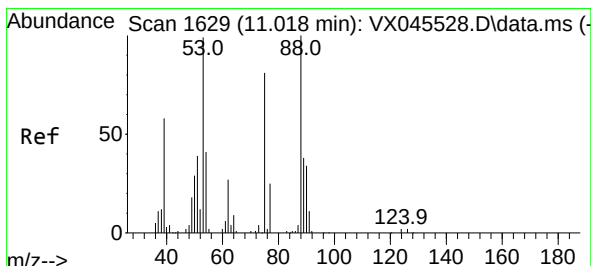
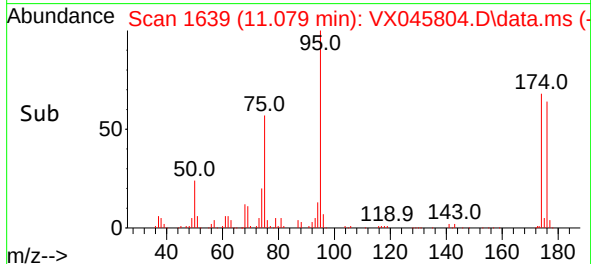
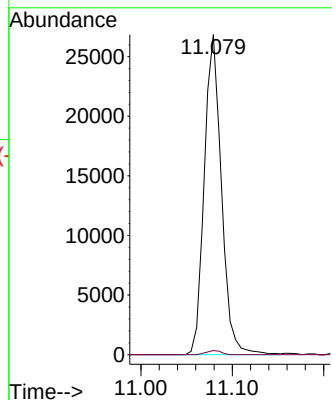
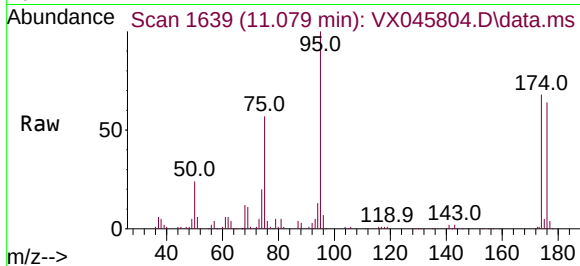




#76
1,2,3-Trichloropropane
Concen: 28.463 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#62

Tgt Ion: 75 Resp: 35002
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045804.D
Acq: 16 Apr 2025 13:48

Tgt Ion: 75 Resp: 35002
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

