

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045486.D
 Acq On : 27 Mar 2025 18:40
 Operator : JC/MD
 Sample : P167330ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#10

Quant Time: Mar 28 01:37:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	64885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62068	60.138	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.280%			
35) Dibromofluoromethane	5.379	113	45345	53.021	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	8.647	98	163630	52.775	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.560%			
62) 4-Bromofluorobenzene	11.079	95	58210	56.657	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.320%			
Target Compounds					Qvalue	
6) Chloroethane	1.599	64	134	0.293	ug/l #	41
11) Tert butyl alcohol	2.983	59	322	1.647	ug/l #	73
16) Acetone	2.380	43	36937	77.136	ug/l	95
18) Methyl Acetate	2.709	43	2957	2.567	ug/l	94
20) Methylene Chloride	2.782	84	70100	73.901	ug/l	98
25) 2-Butanone	4.587	43	2937	4.075	ug/l	99
29) Tetrahydrofuran	5.032	42	225	0.465	ug/l #	34
31) Cyclohexane	5.550	56	1958	1.394	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	6478	5.523	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7545	6.336	ug/l #	16
43) Isopropyl Acetate	6.348	43	9836	4.401	ug/l #	84
48) Methyl methacrylate	7.793	41	50098	44.684	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	43104	28.726	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	230	0.208	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16768	13.029	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1767	1.141	ug/l #	43
59) 2-Hexanone	9.378	43	11640	10.706	ug/l #	26
74) N-amyl acetate	10.781	43	1331	0.764	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	33570	30.323	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33570	103.771	ug/l #	6

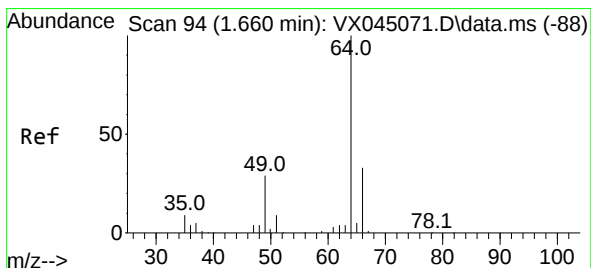
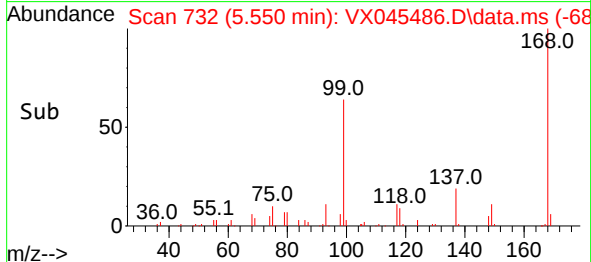
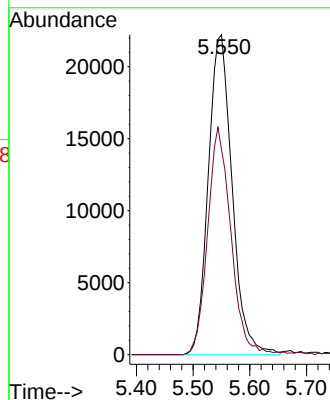
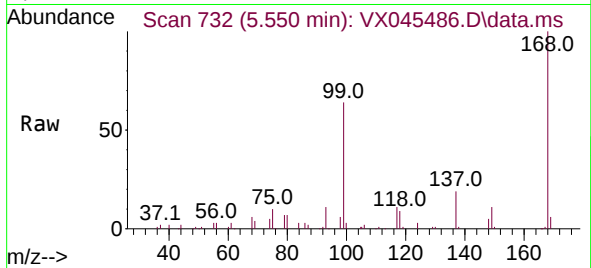
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

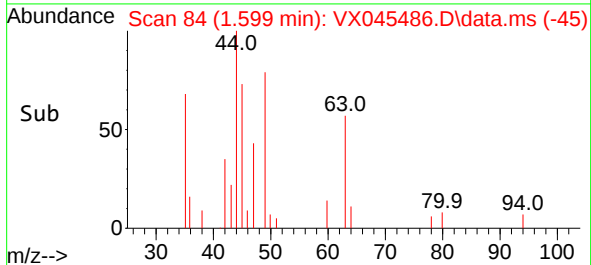
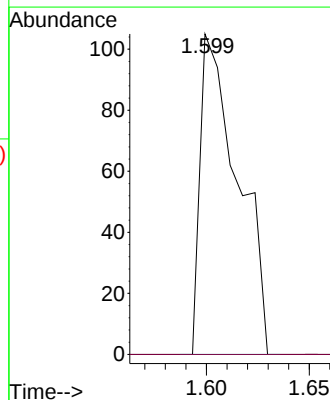
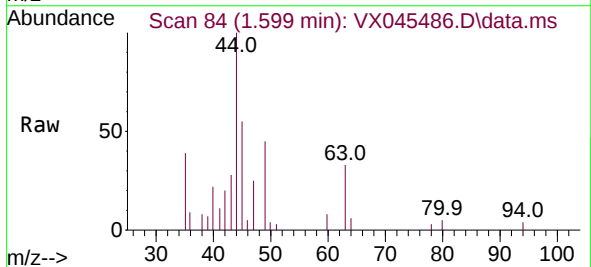
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

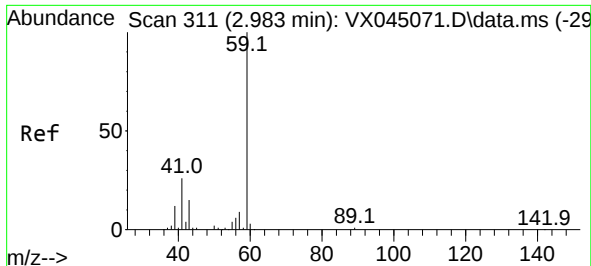
Tgt Ion:168 Resp: 64885
Ion Ratio Lower Upper
168 100
99 64.1 48.2 72.4



#6
Chloroethane
Concen: 0.293 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.061 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

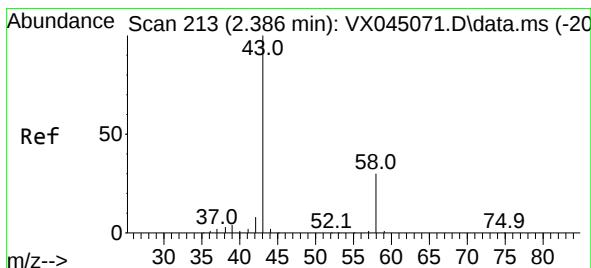
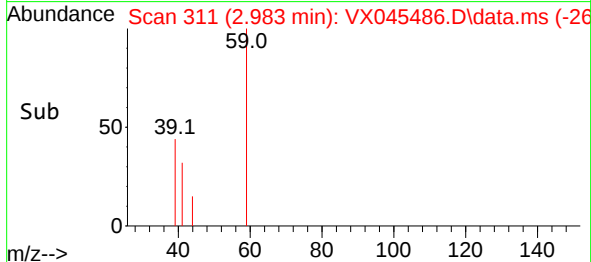
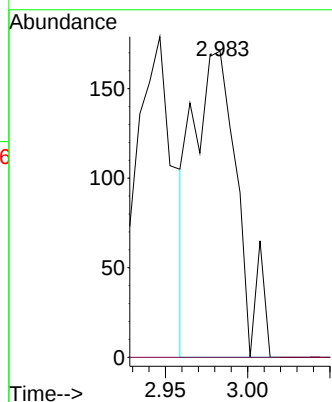
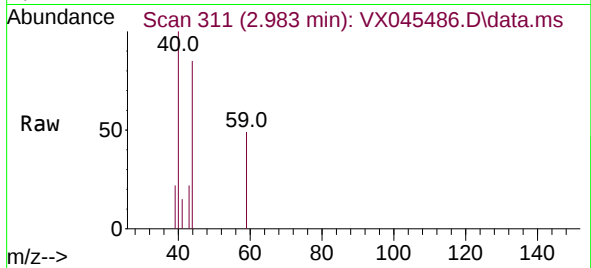




#11
Tert butyl alcohol
Concen: 1.647 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

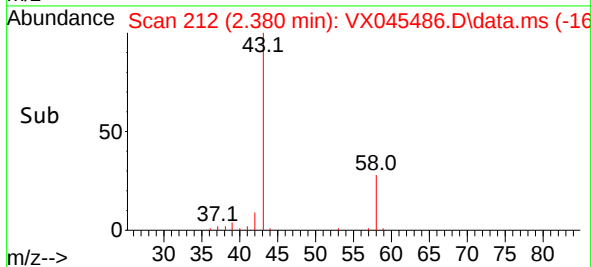
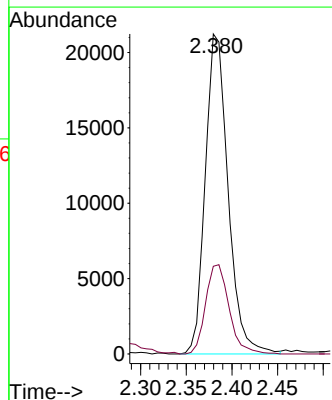
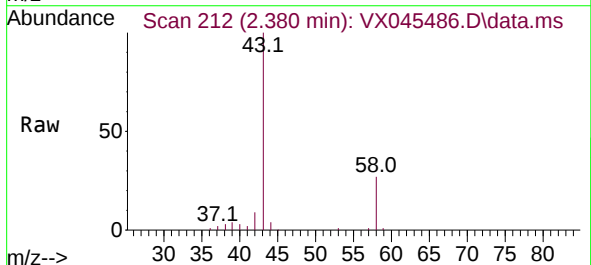
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

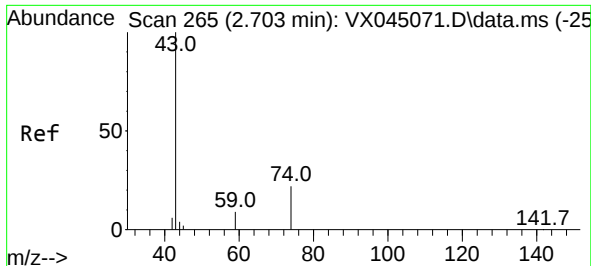
Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 77.136 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 43 Resp: 36937
Ion Ratio Lower Upper
43 100
58 27.4 24.2 36.4

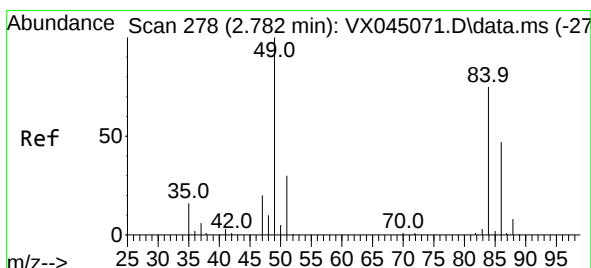
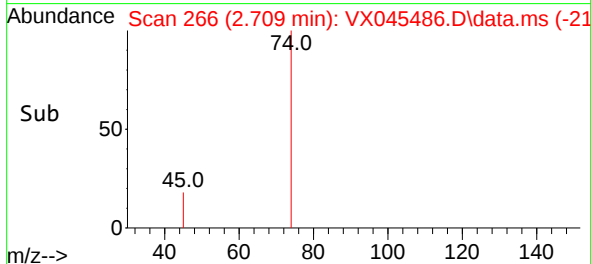
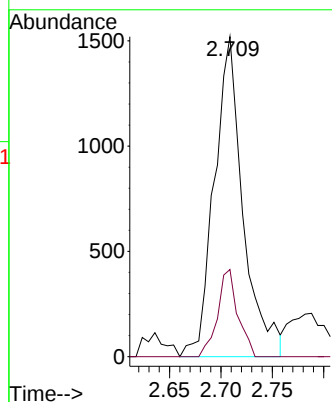
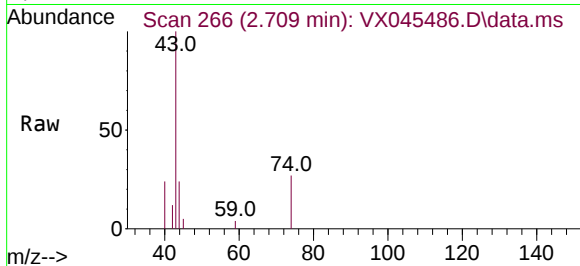




#18
Methyl Acetate
Concen: 2.567 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

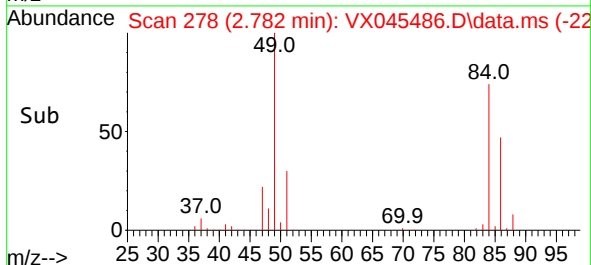
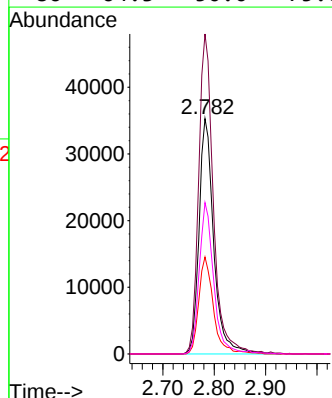
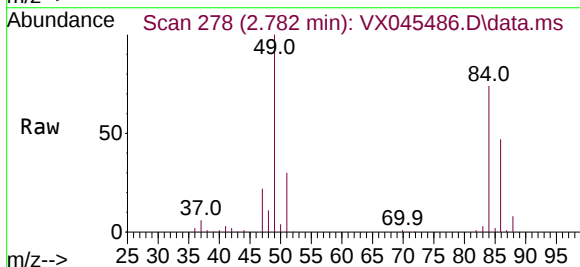
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

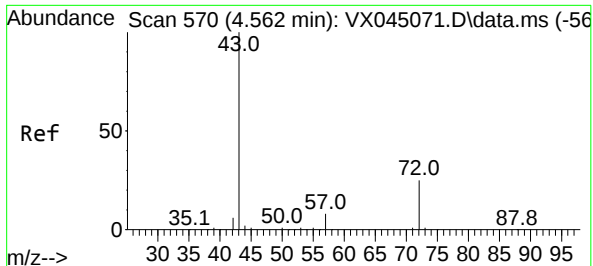
Tgt Ion: 43 Resp: 2957
Ion Ratio Lower Upper
43 100
74 19.2 17.4 26.2



#20
Methylene Chloride
Concen: 73.901 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 84 Resp: 70100
Ion Ratio Lower Upper
84 100
49 136.0 106.5 159.7
51 41.2 32.1 48.1
86 64.3 50.0 75.0

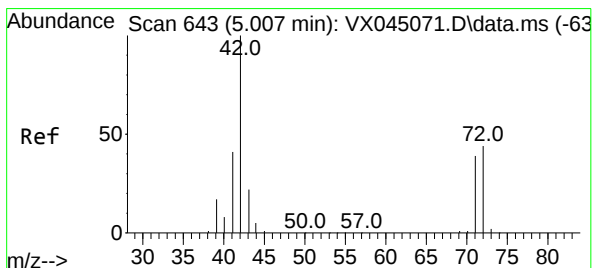
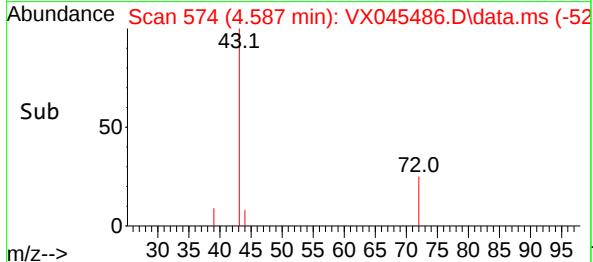
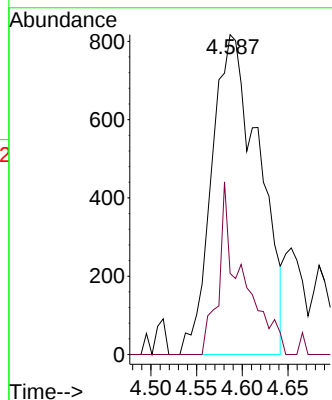
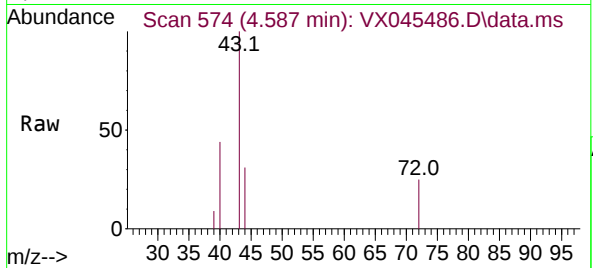




#25
2-Butanone
Concen: 4.075 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

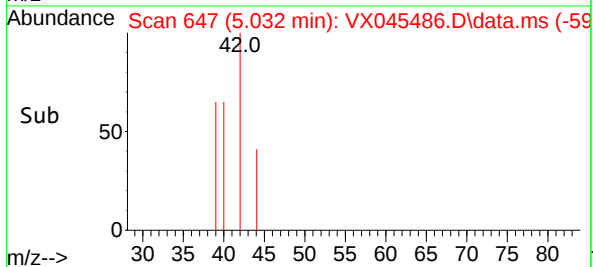
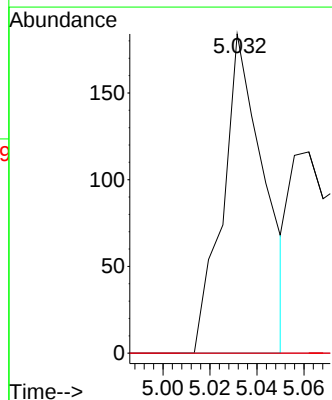
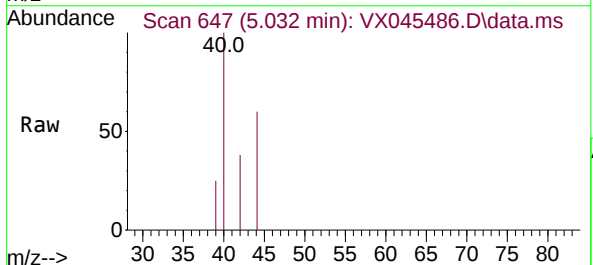
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

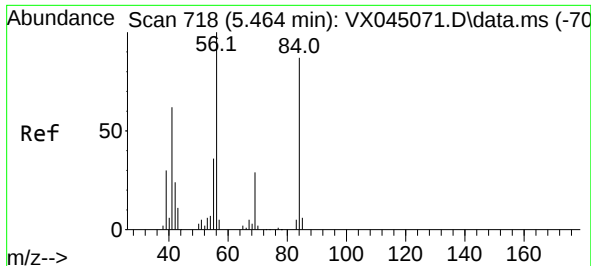
Tgt Ion: 43 Resp: 2937
Ion Ratio Lower Upper
43 100
72 25.3 20.0 30.0



#29
Tetrahydrofuran
Concen: 0.465 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

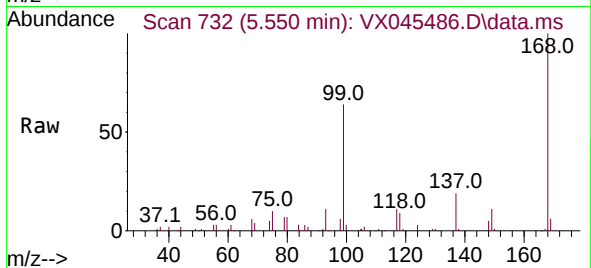
Tgt Ion: 42 Resp: 225
Ion Ratio Lower Upper
42 100
72 0.0 34.1 51.1#
71 0.0 31.4 47.0#



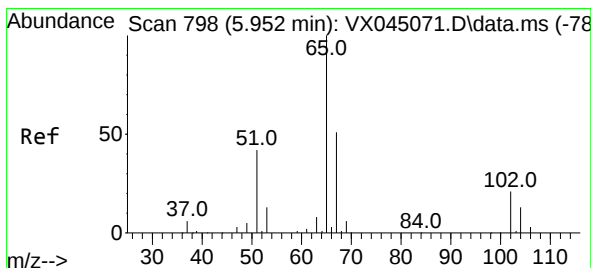
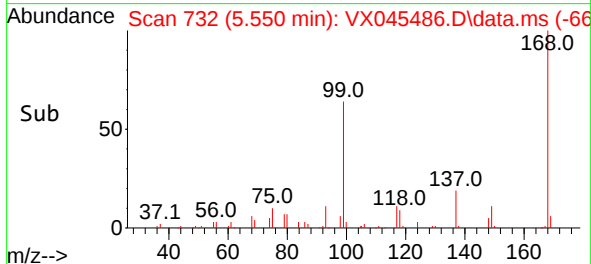
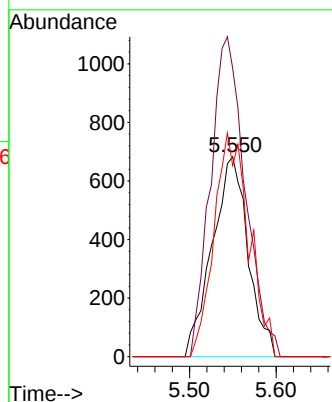


#31
Cyclohexane
Concen: 1.394 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

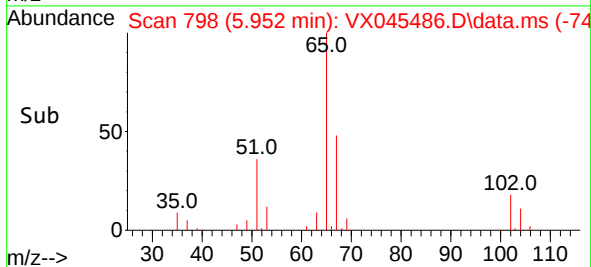
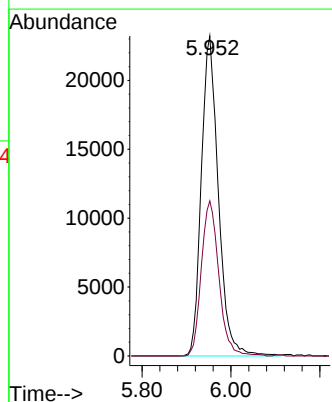
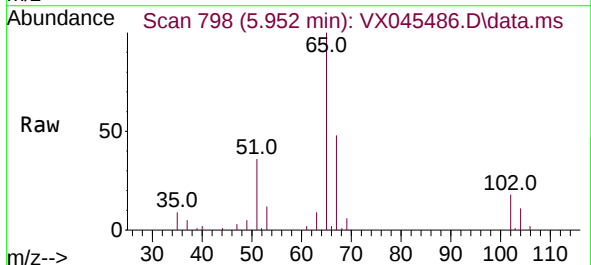


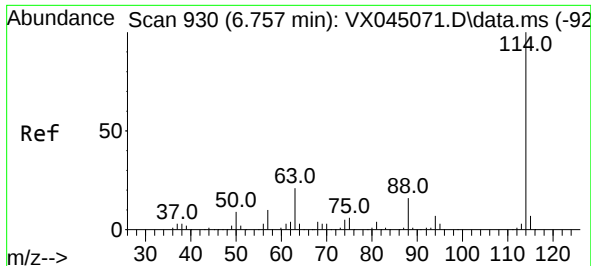
Tgt Ion: 56 Resp: 1958
Ion Ratio Lower Upper
56 100
69 144.2 23.4 35.2#
84 95.6 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 60.138 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 65 Resp: 62068
Ion Ratio Lower Upper
65 100
67 49.8 0.0 106.2

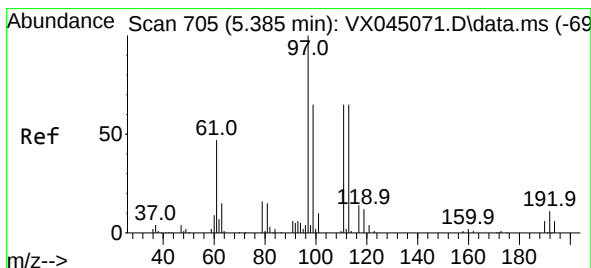
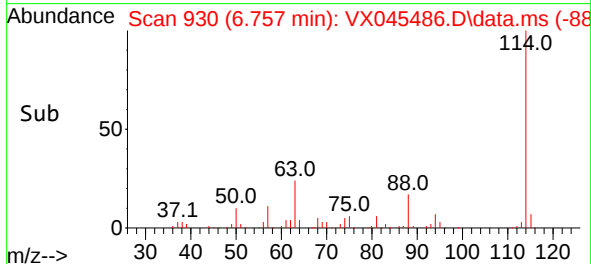
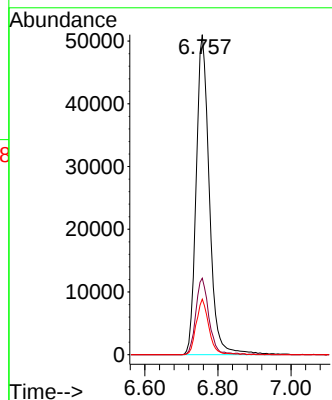
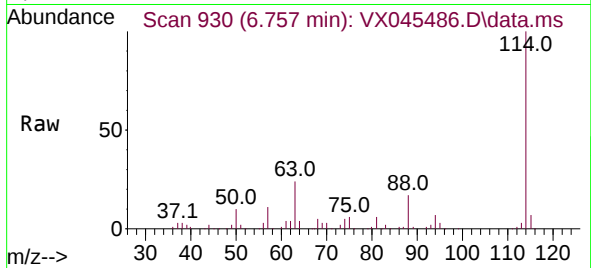




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

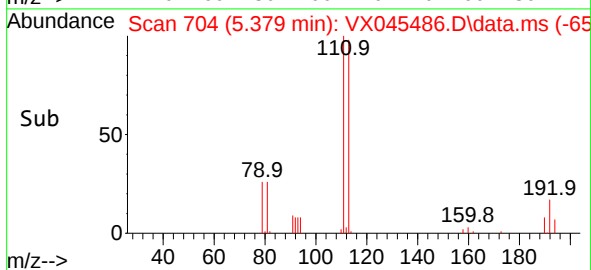
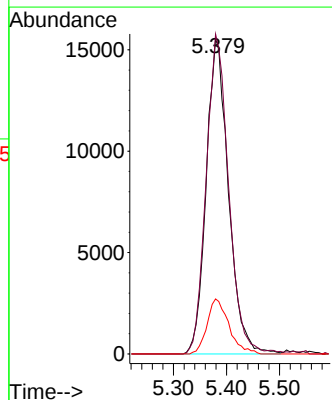
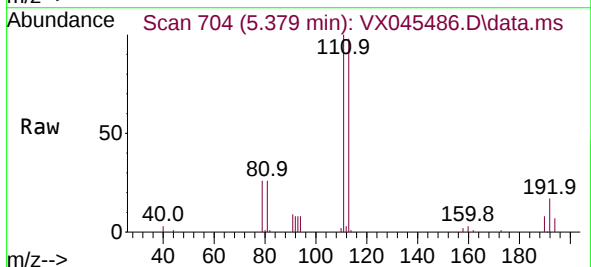
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

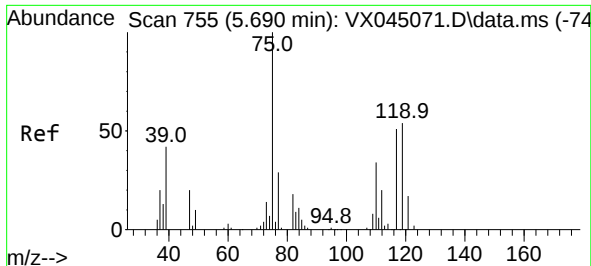
Tgt Ion:114 Resp: 127899
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.021 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion:113 Resp: 45345
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.523 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045486.D

Acq: 27 Mar 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#10

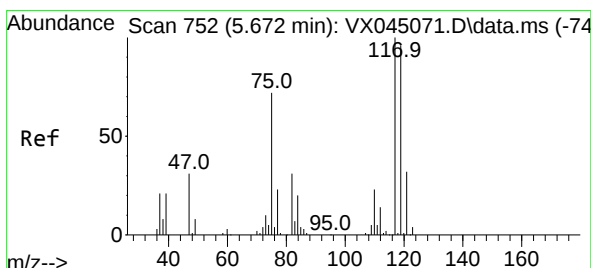
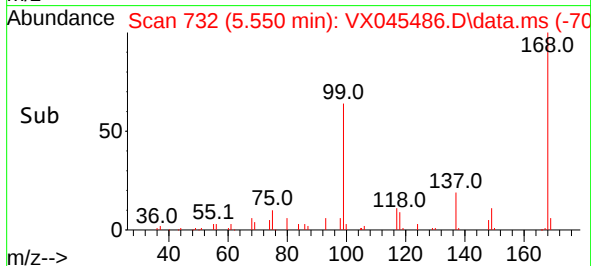
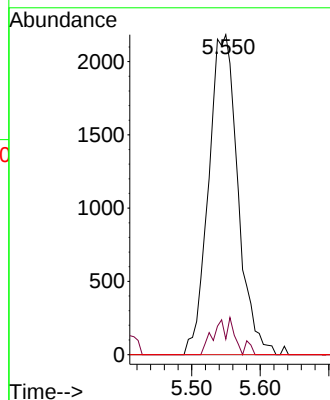
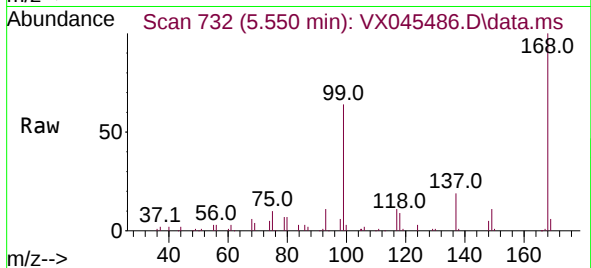
Tgt Ion: 75 Resp: 6478

Ion Ratio Lower Upper

75 100

110 4.8 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045486.D

Acq: 27 Mar 2025 18:40

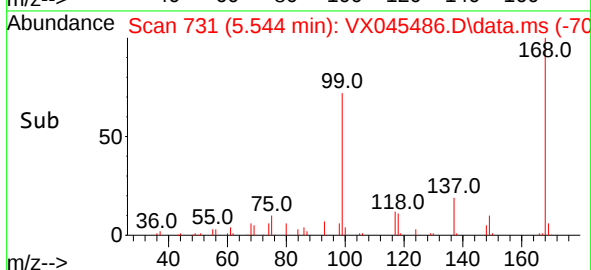
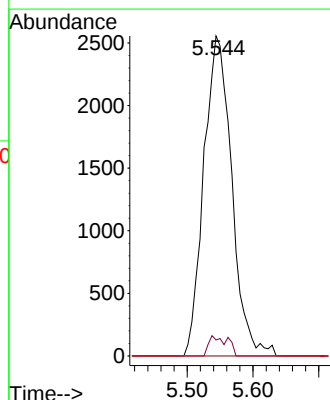
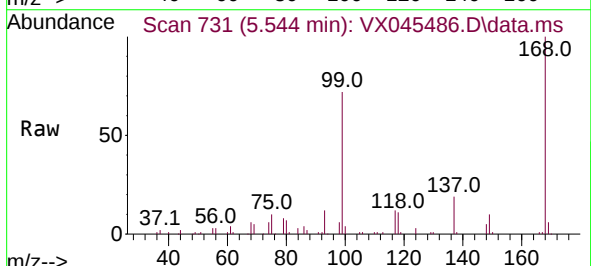
Tgt Ion: 117 Resp: 7545

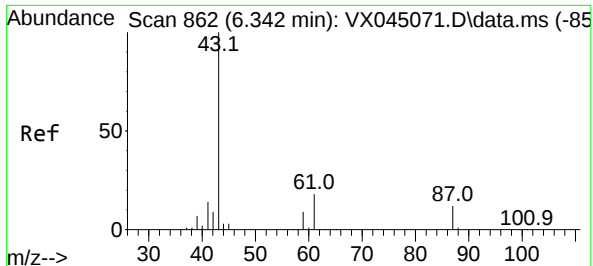
Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

121 0.0 25.5 38.3#

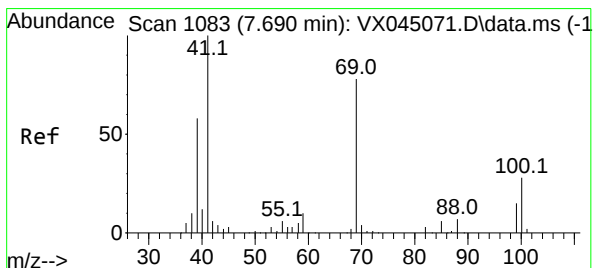
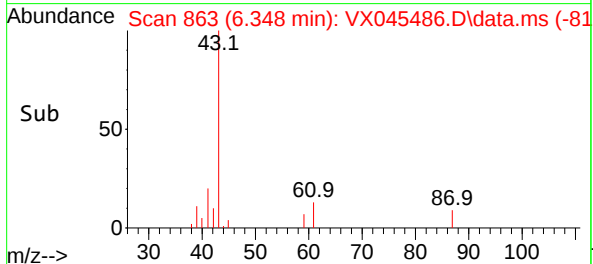
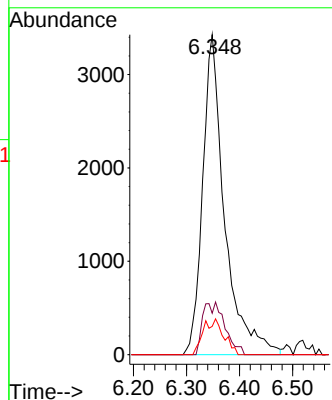
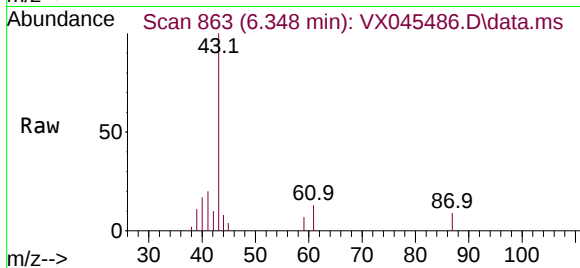




#43
Isopropyl Acetate
Concen: 4.401 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

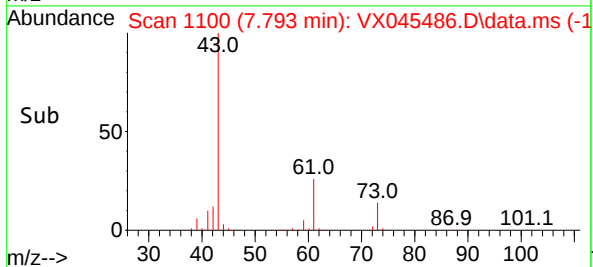
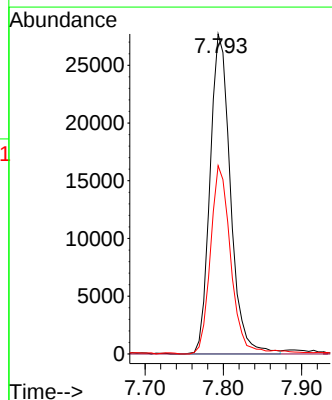
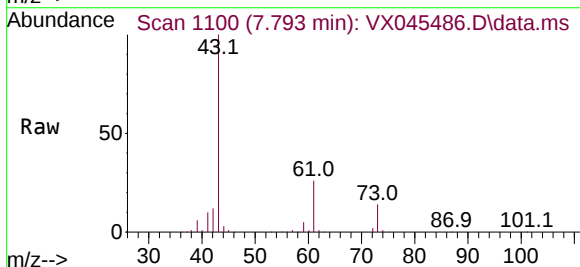
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

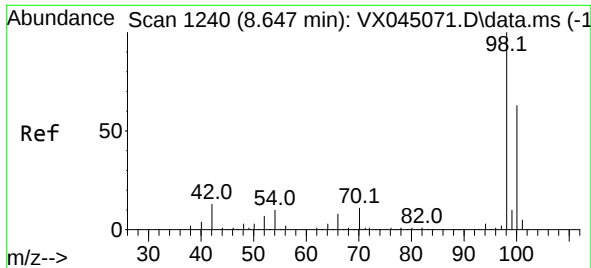
Tgt Ion: 43 Resp: 9836
Ion Ratio Lower Upper
43 100
61 7.9 14.9 22.3#
87 10.4 9.4 14.2



#48
Methyl methacrylate
Concen: 44.684 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 41 Resp: 50098
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 58.1 47.5 71.3

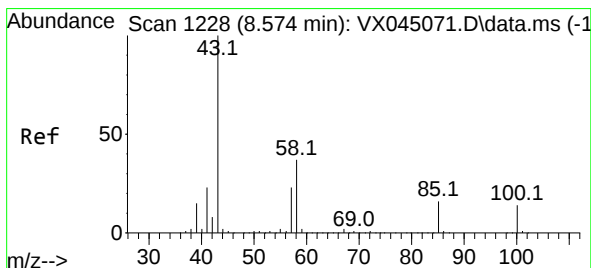
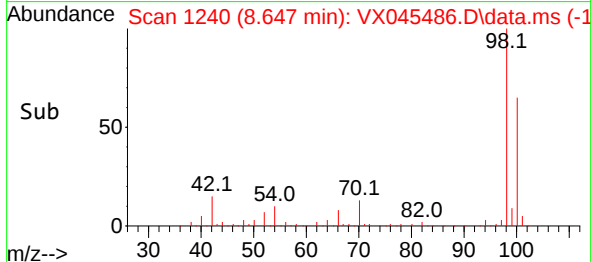
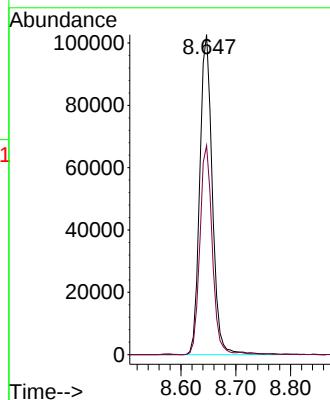
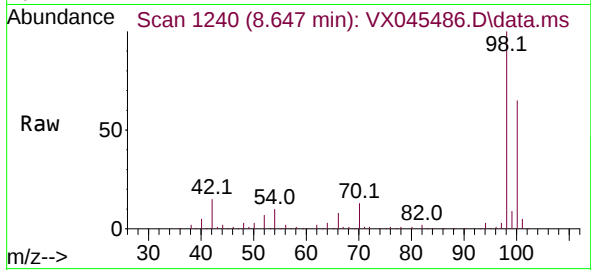




#50
Toluene-d8
Concen: 52.775 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

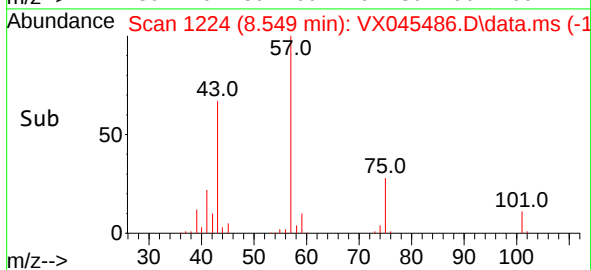
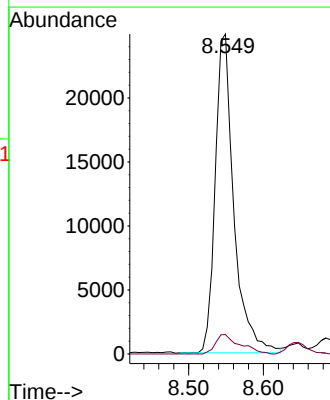
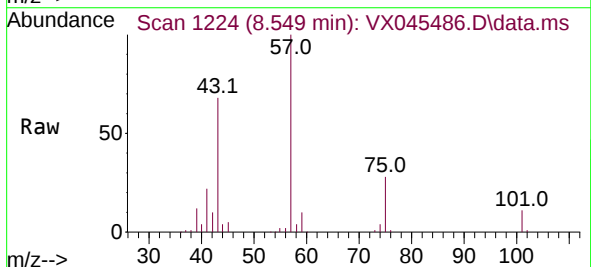
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

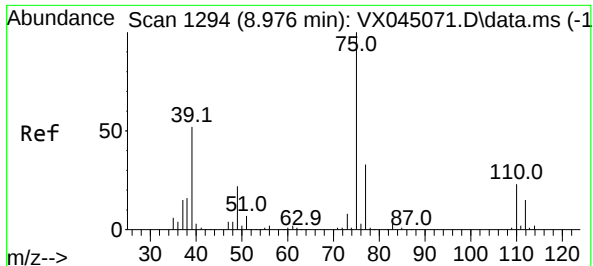
Tgt Ion: 98 Resp: 163630
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 28.726 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 43 Resp: 43104
Ion Ratio Lower Upper
43 100
58 8.0 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.208 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045486.D

Acq: 27 Mar 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

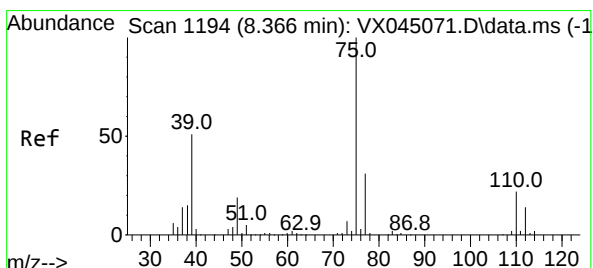
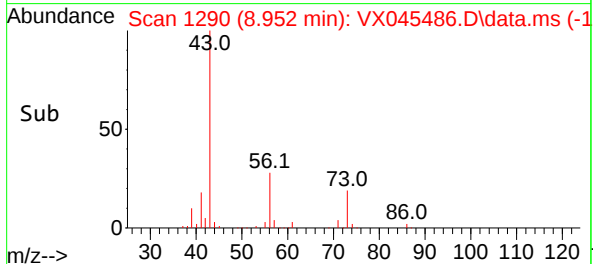
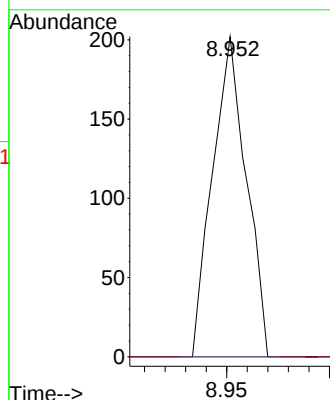
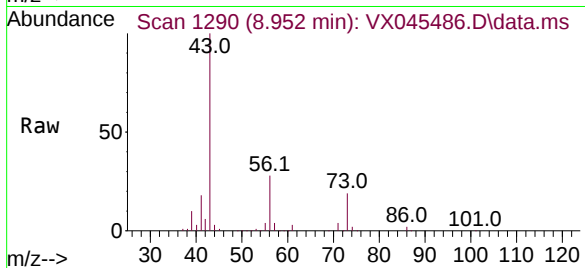
P167330ZHE#10

Tgt Ion: 75 Resp: 230

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 13.029 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045486.D

Acq: 27 Mar 2025 18:40

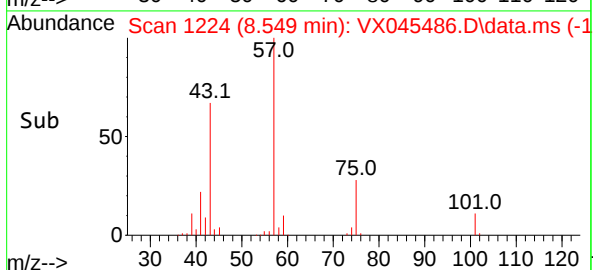
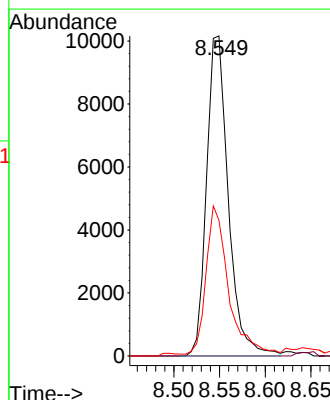
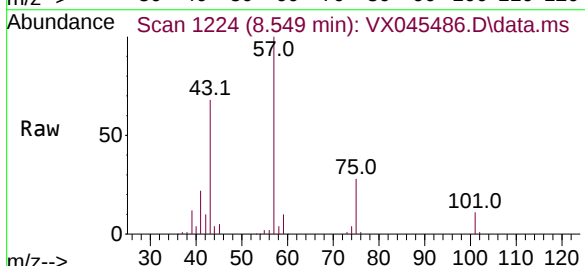
Tgt Ion: 75 Resp: 16768

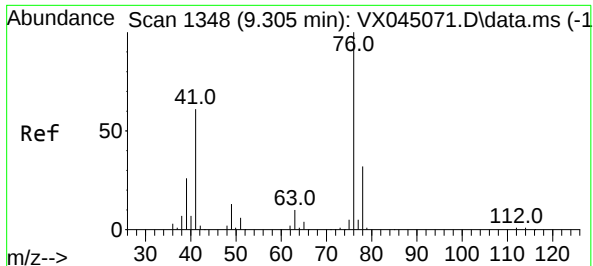
Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

39 41.8 40.7 61.1

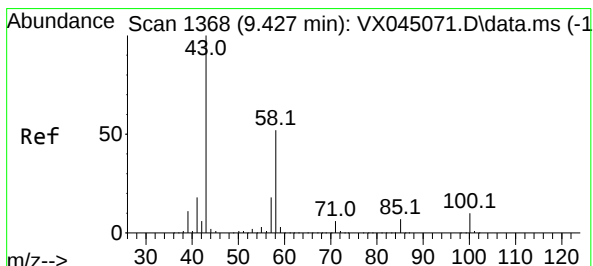
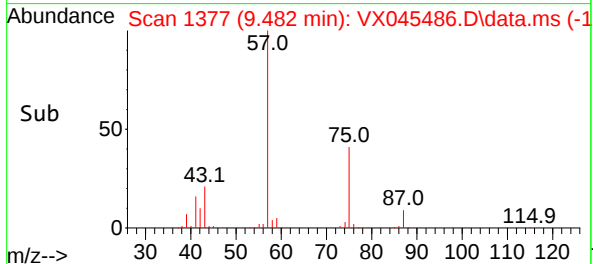
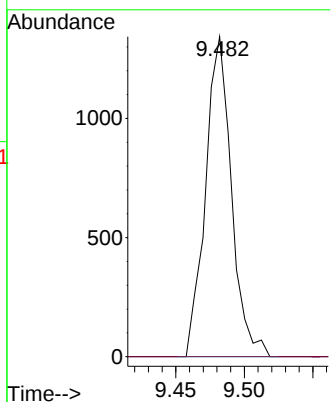
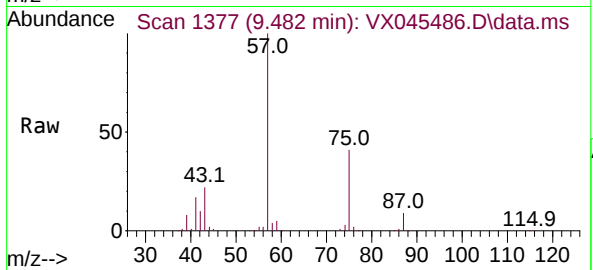




#57
1,3-Dichloropropane
Concen: 1.141 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

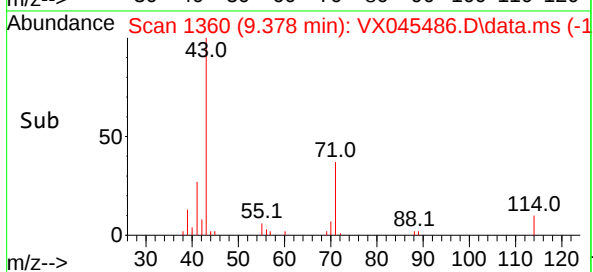
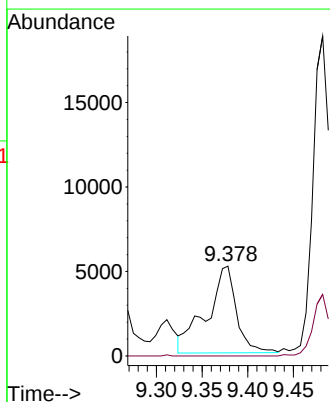
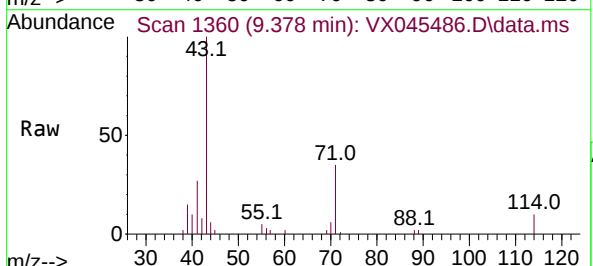
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

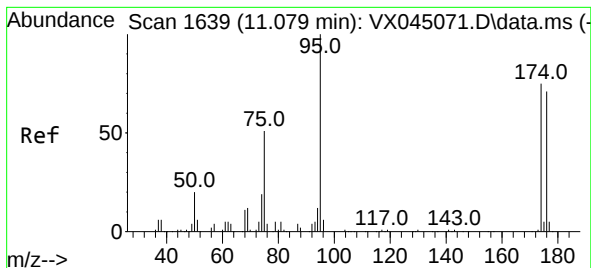
Tgt Ion: 76 Resp: 1767
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 10.706 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 43 Resp: 11640
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#

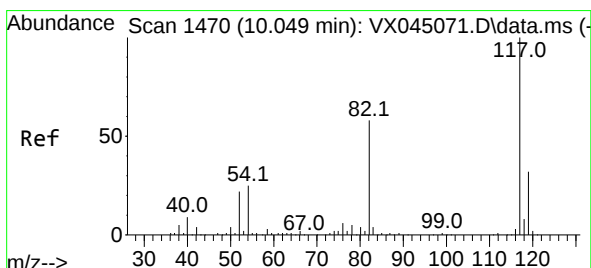
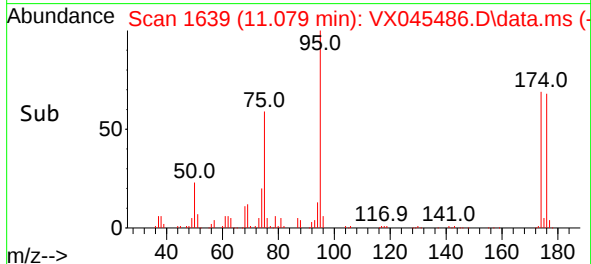
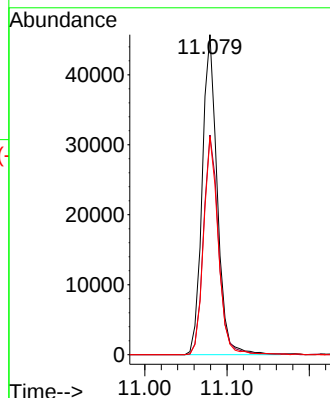
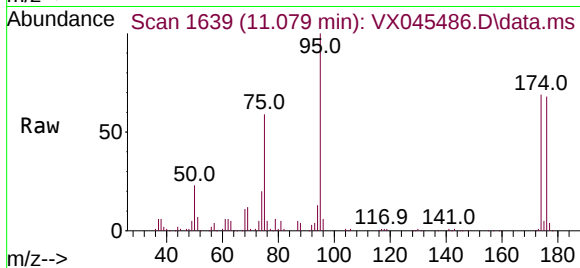




#62
4-Bromofluorobenzene
Concen: 56.657 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

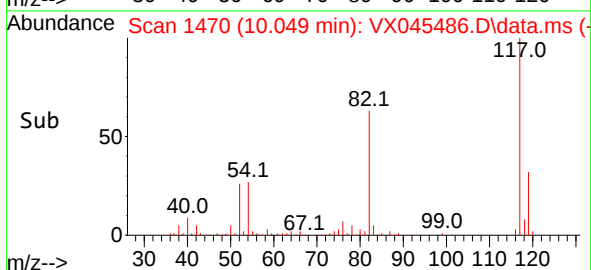
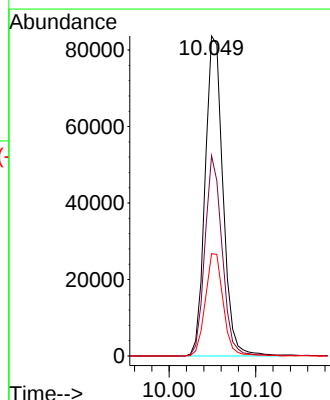
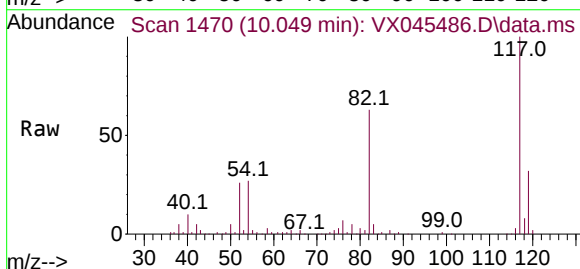
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

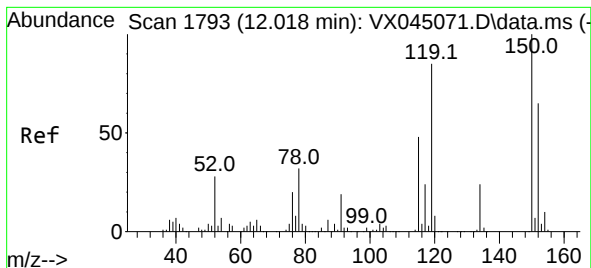
Tgt Ion: 95 Resp: 58210
Ion Ratio Lower Upper
95 100
174 68.8 0.0 148.2
176 66.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 117 Resp: 119636
Ion Ratio Lower Upper
117 100
82 62.6 46.3 69.5
119 32.0 25.7 38.5

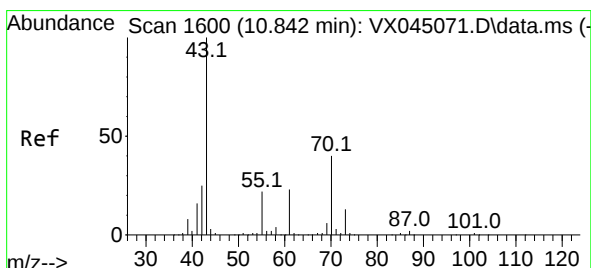
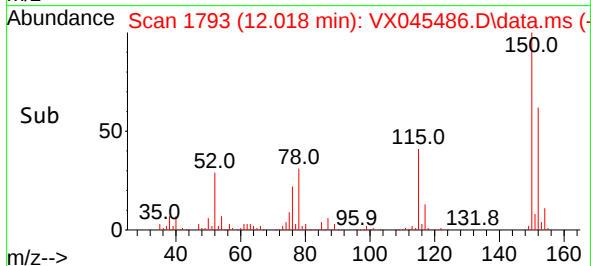
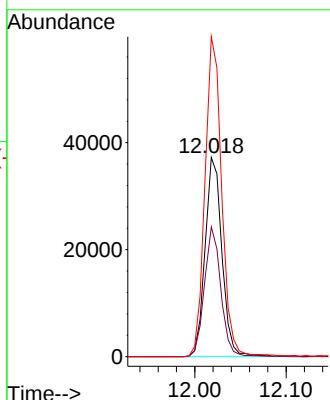
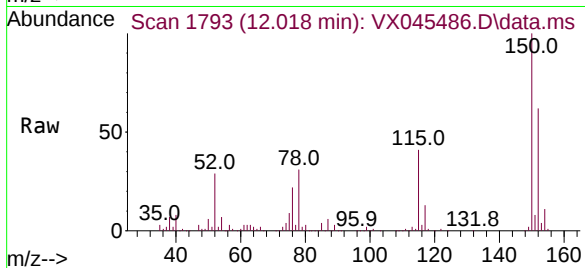




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

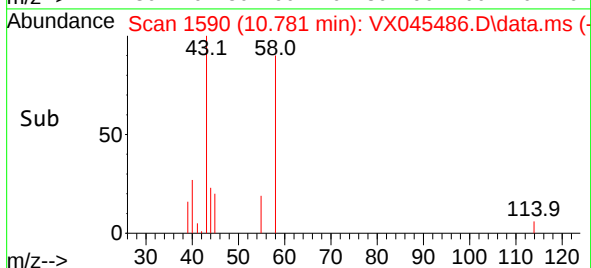
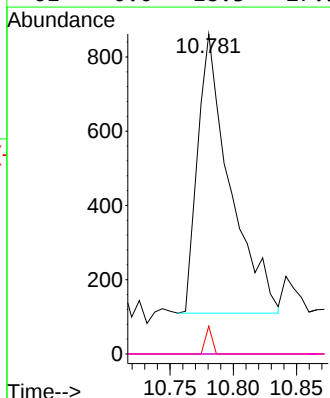
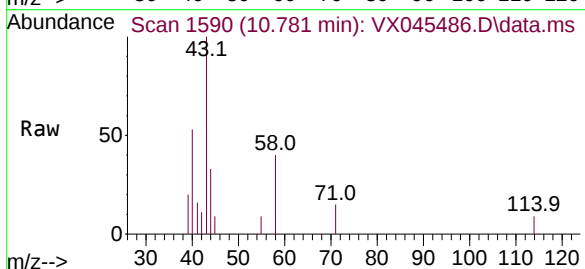
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

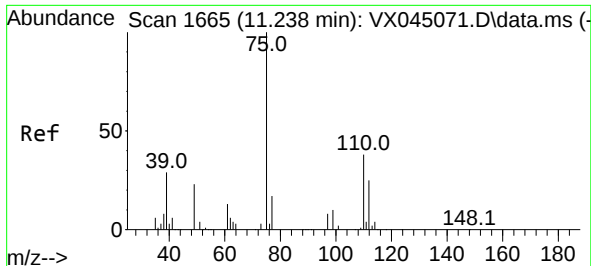
Tgt Ion:152 Resp: 47565
Ion Ratio Lower Upper
152 100
115 63.3 44.2 132.6
150 159.6 0.0 349.0



#74
N-ethyl acetate
Concen: 0.764 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 43 Resp: 1331
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 2.0 18.3 27.5#
61 0.0 18.3 27.5#

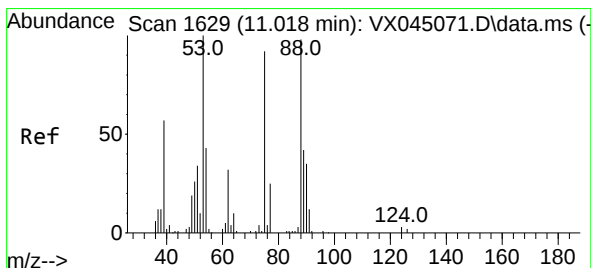
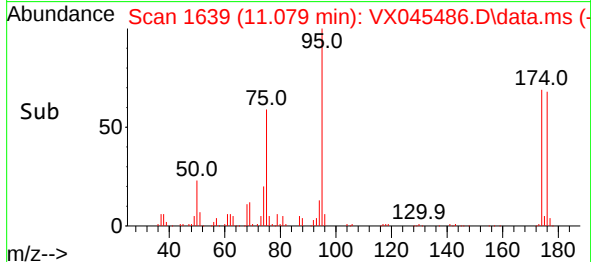
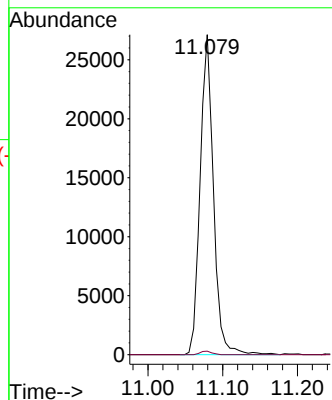
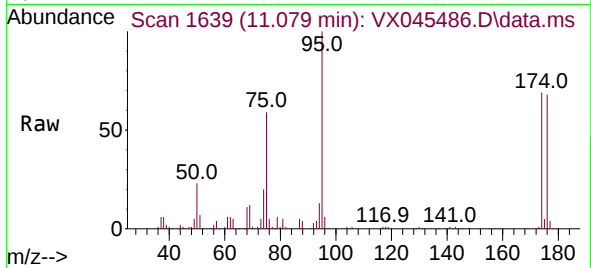




#76
1,2,3-Trichloropropane
Concen: 30.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#10

Tgt Ion: 75 Resp: 33570
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.771 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045486.D
Acq: 27 Mar 2025 18:40

Tgt Ion: 75 Resp: 33570
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

