

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
 Data File : VX045306.D
 Acq On : 17 Mar 2025 15:25
 Operator : JC/MD
 Sample : PB167134ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167134ZHE#03

Quant Time: Mar 18 01:28:38 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)

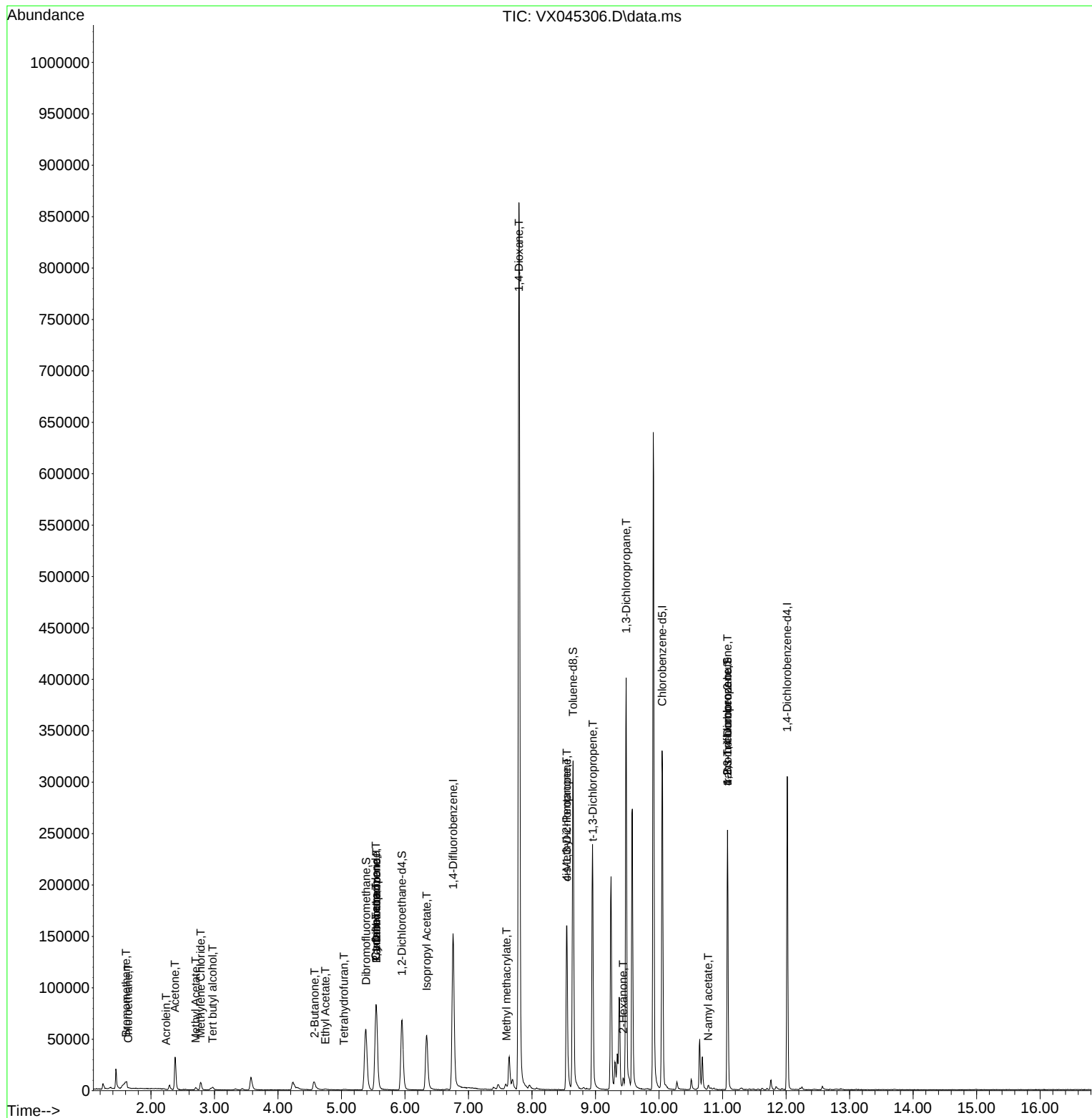
Internal Standards						
1) Pentafluorobenzene	5.550	168	75824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66442	55.089	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.180%	
35) Dibromofluoromethane	5.385	113	52563	52.776	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.560%	
50) Toluene-d8	8.647	98	188568	52.224	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	11.079	95	64396	53.821	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	161	0.353	ug/l #	3
6) Chloroethane	1.642	64	211	0.395	ug/l #	41
11) Tert butyl alcohol	2.971	59	3478	15.224	ug/l #	92
13) Acrolein	2.239	56	79	0.299	ug/l #	81
16) Acetone	2.380	43	34573	61.783	ug/l	99
18) Methyl Acetate	2.703	43	2848	2.116	ug/l	94
20) Methylene Chloride	2.782	84	3300	2.977	ug/l	96
25) 2-Butanone	4.574	43	16544	19.641	ug/l	99
29) Tetrahydrofuran	5.038	42	692	1.223	ug/l #	41
31) Cyclohexane	5.544	56	2194	1.337	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	7158	5.241	ug/l #	51
37) Ethyl Acetate	4.745	43	2036	1.157	ug/l #	81
38) Carbon Tetrachloride	5.544	117	8575	6.184	ug/l #	16
43) Isopropyl Acetate	6.342	43	78229	30.059	ug/l	98
48) Methyl methacrylate	7.598	41	2928	2.243	ug/l #	15
49) 1,4-Dioxane	7.793	88	62	2.251	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	64800	37.082	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	515	0.401	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	25557	17.052	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	3321	1.842	ug/l #	43
59) 2-Hexanone	9.433	43	7341	5.798	ug/l	90
74) N-amyl acetate	10.774	43	3125	1.533	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	35667	27.539	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35667	94.242	ug/l #	6

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

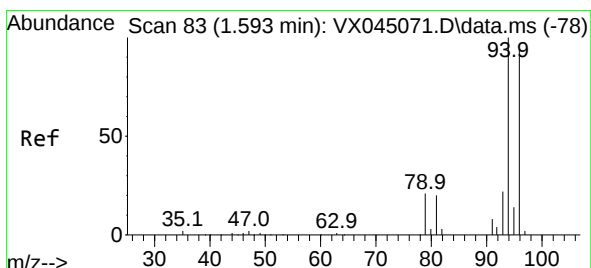
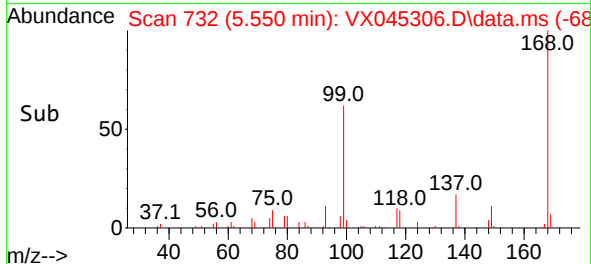
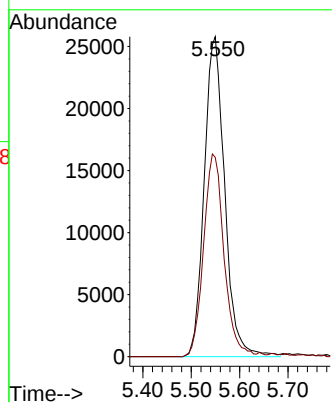
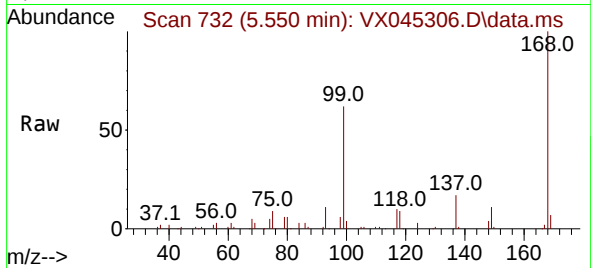




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

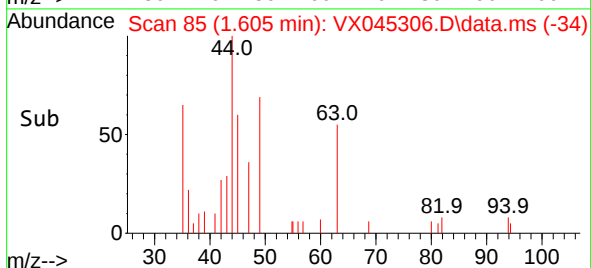
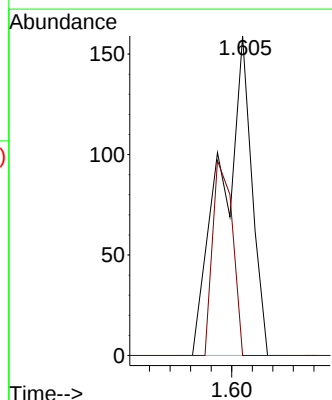
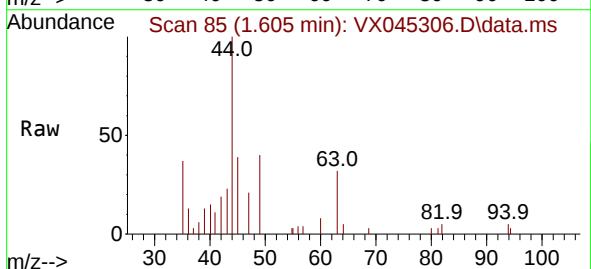
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

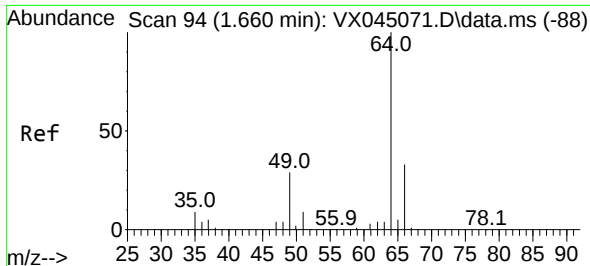
Tgt Ion:168 Resp: 75824
Ion Ratio Lower Upper
168 100
99 62.3 48.2 72.4



#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

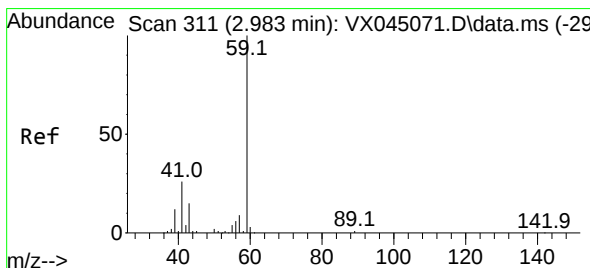
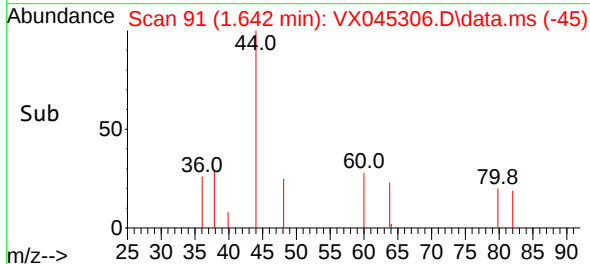
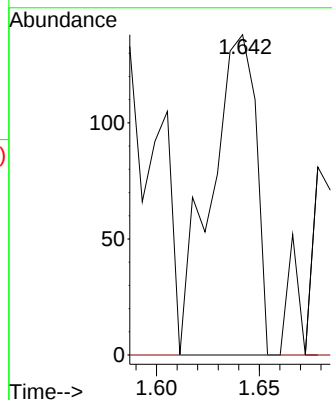
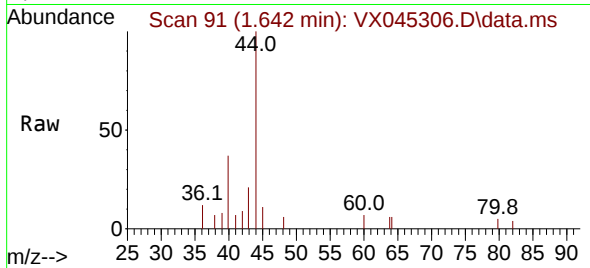




#6
Chloroethane
Concen: 0.395 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

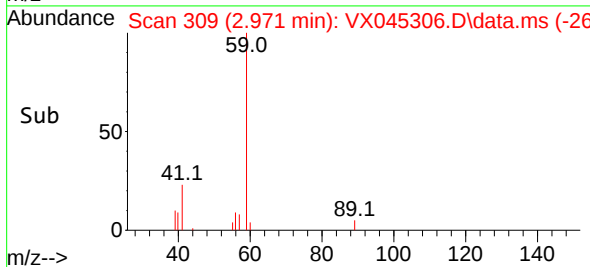
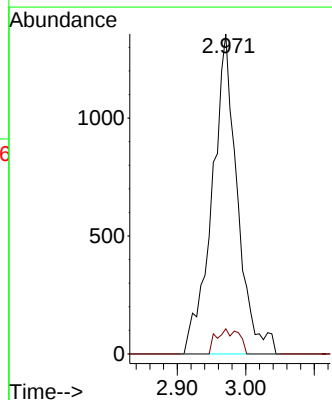
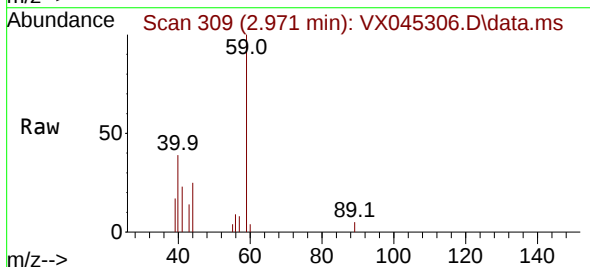
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

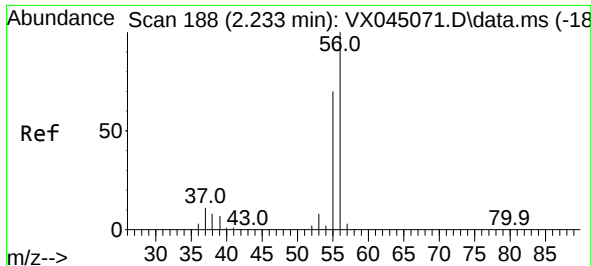
Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 15.224 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 59 Resp: 3478
Ion Ratio Lower Upper
59 100
57 7.0 7.8 11.8#

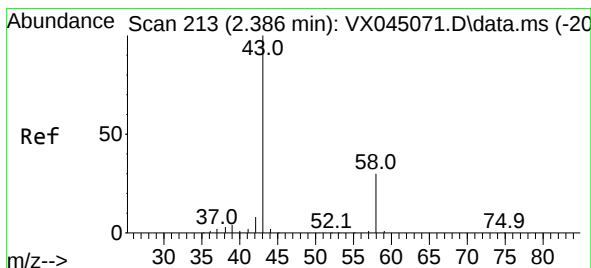
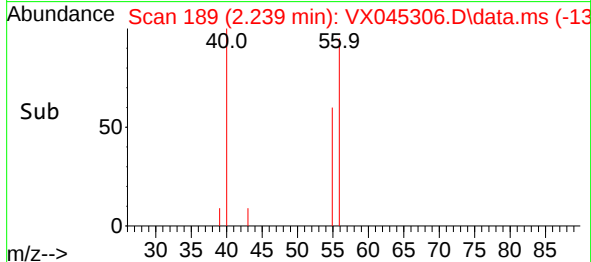
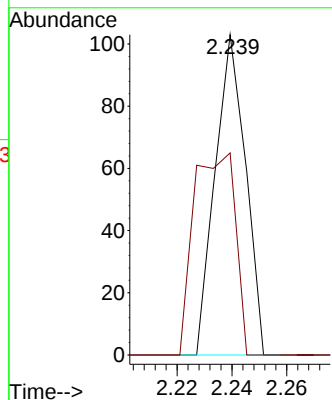
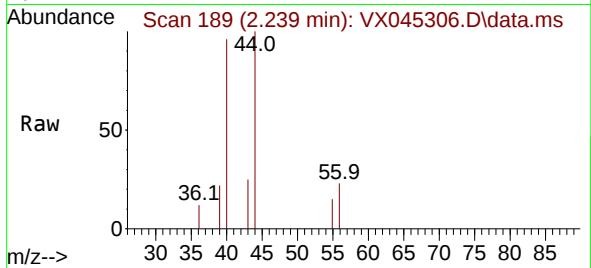




#13
Acrolein
Concen: 0.299 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

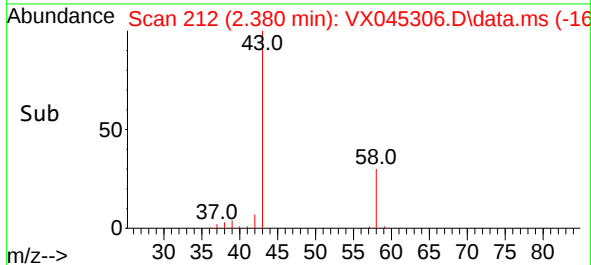
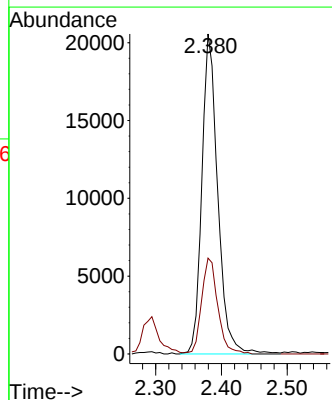
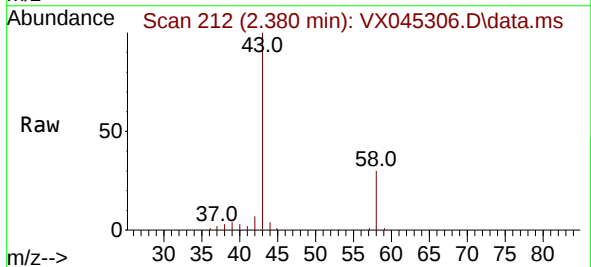
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

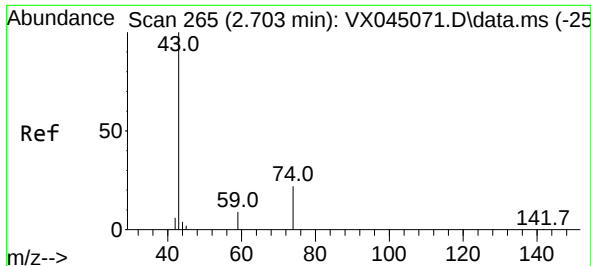
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 86.1 56.2 84.4#



#16
Acetone
Concen: 61.783 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 43 Resp: 34573
Ion Ratio Lower Upper
43 100
58 30.0 24.2 36.4

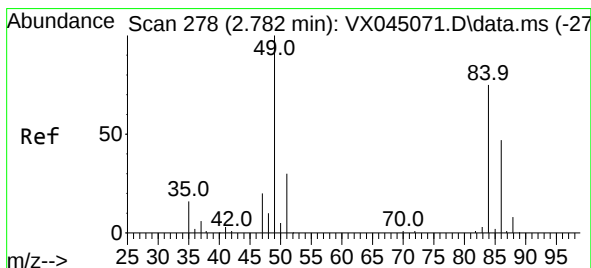
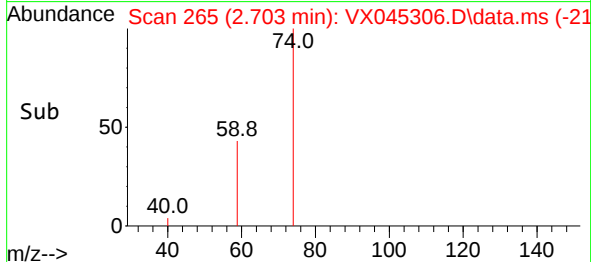
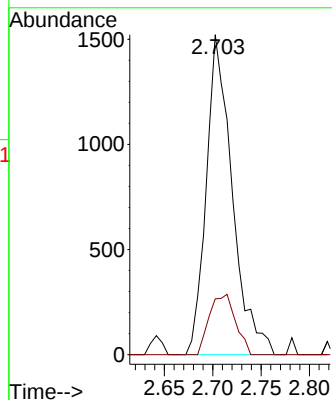
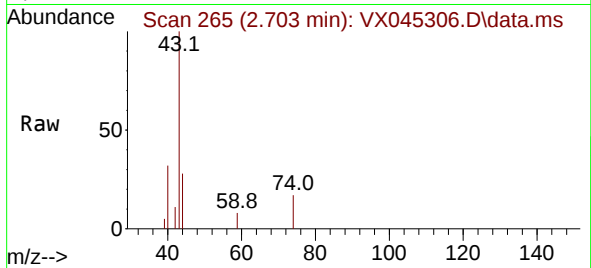




#18
Methyl Acetate
Concen: 2.116 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

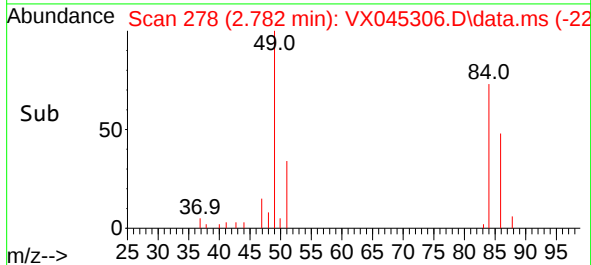
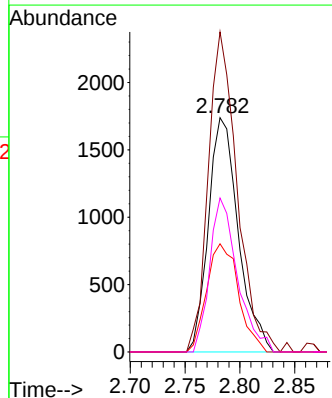
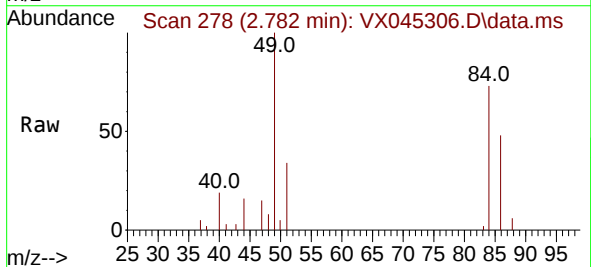
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

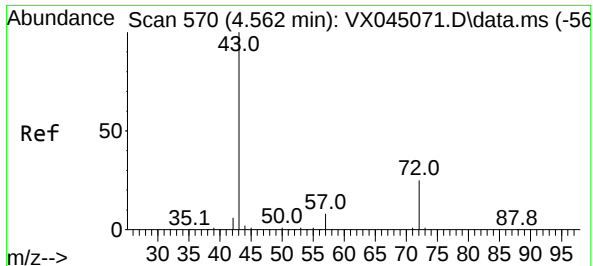
Tgt Ion: 43 Resp: 2848
Ion Ratio Lower Upper
43 100
74 18.9 17.4 26.2



#20
Methylene Chloride
Concen: 2.977 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 84 Resp: 3300
Ion Ratio Lower Upper
84 100
49 136.6 106.5 159.7
51 46.2 32.1 48.1
86 65.7 50.0 75.0

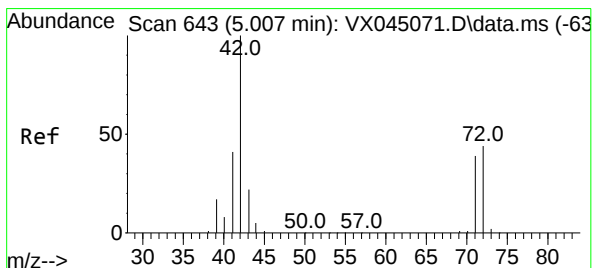
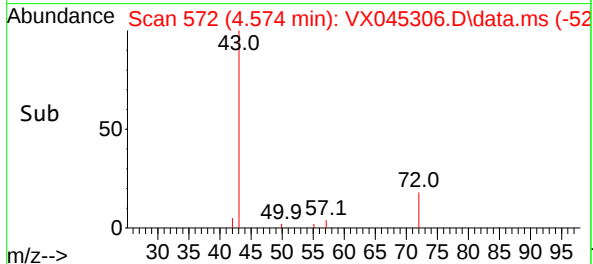
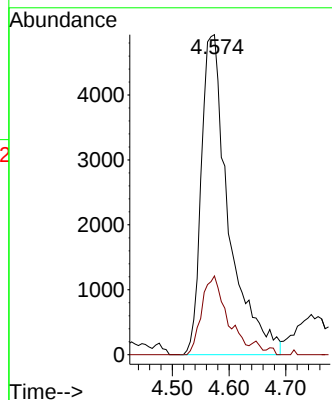
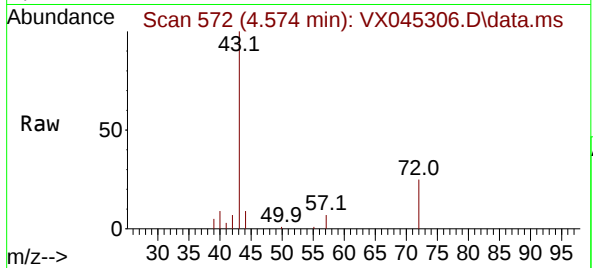




#25
2-Butanone
Concen: 19.641 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

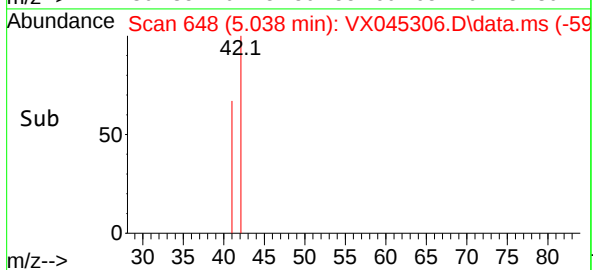
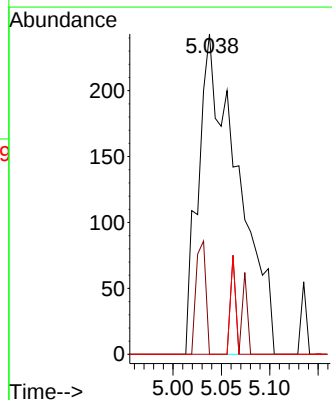
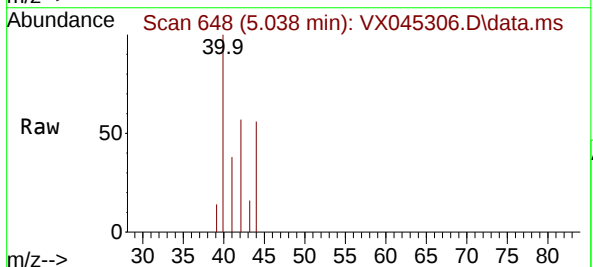
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MSVOA_X
ClientSampleId :
PB167134ZHE#03

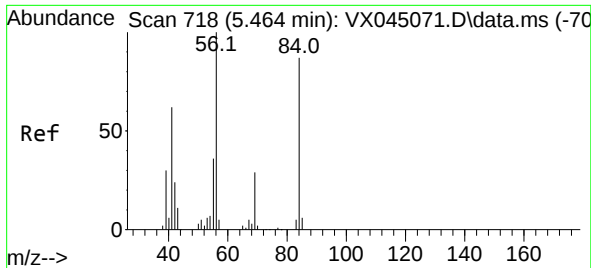
Tgt Ion: 43 Resp: 16544
Ion Ratio Lower Upper
43 100
72 24.6 20.0 30.0



#29
Tetrahydrofuran
Concen: 1.223 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

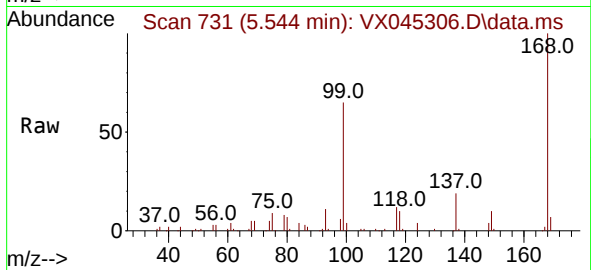
Tgt Ion: 42 Resp: 692
Ion Ratio Lower Upper
42 100
72 8.5 34.1 51.1#
71 0.0 31.4 47.0#



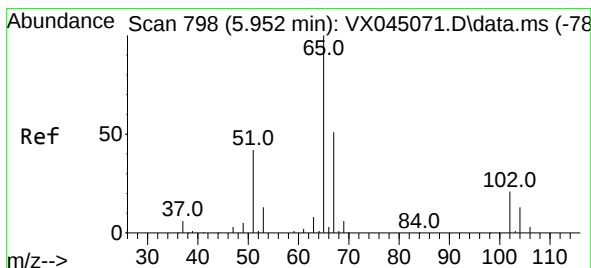
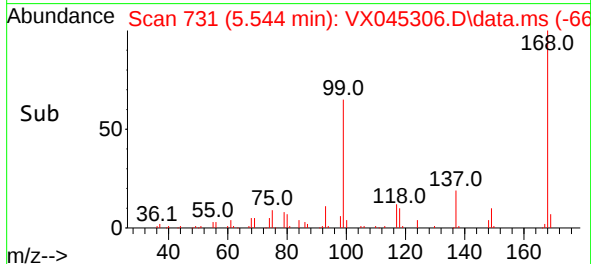
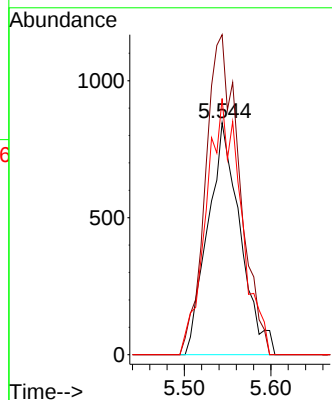


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

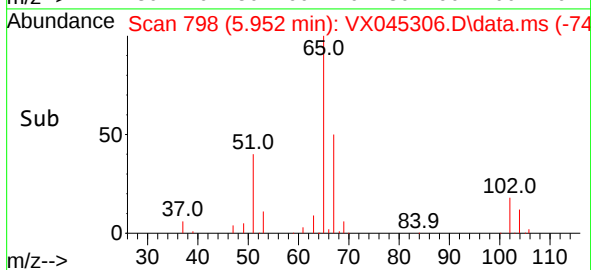
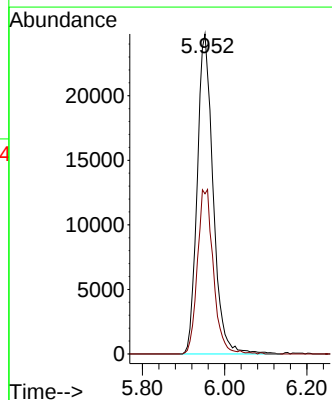
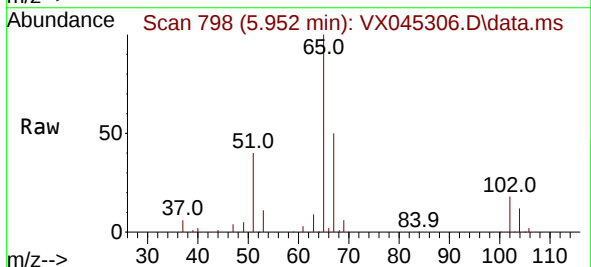


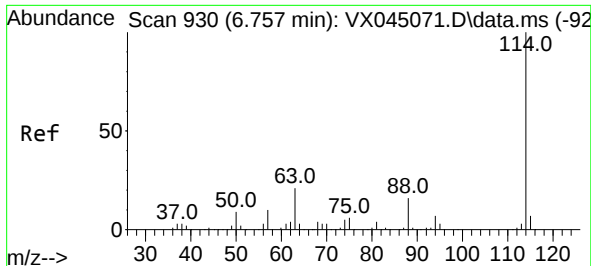
Tgt Ion: 56 Resp: 2194
Ion Ratio Lower Upper
56 100
69 137.9 23.4 35.2#
84 110.4 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 55.089 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 65 Resp: 66442
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2

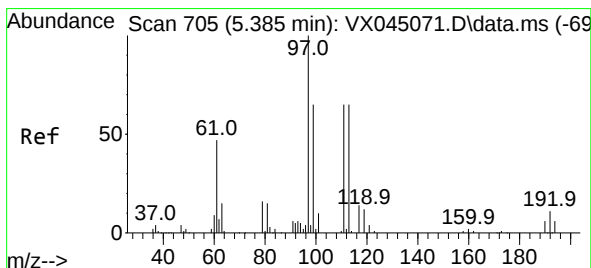
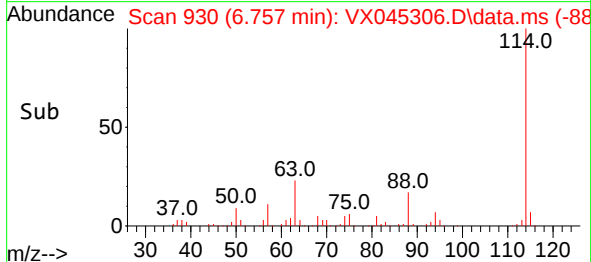
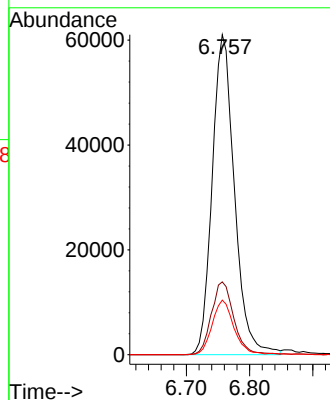
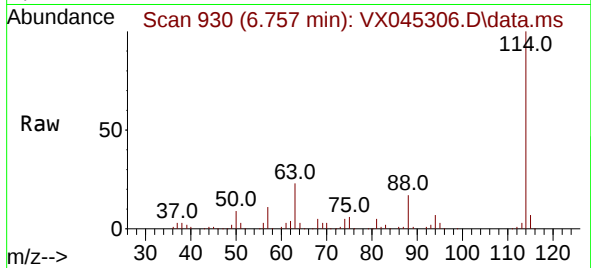




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

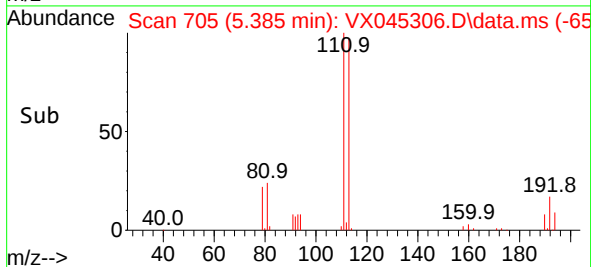
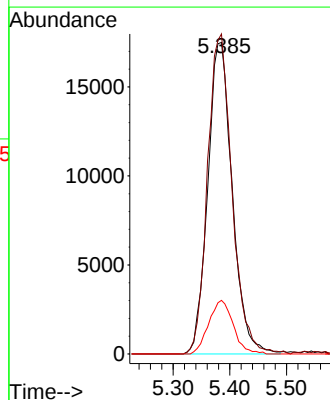
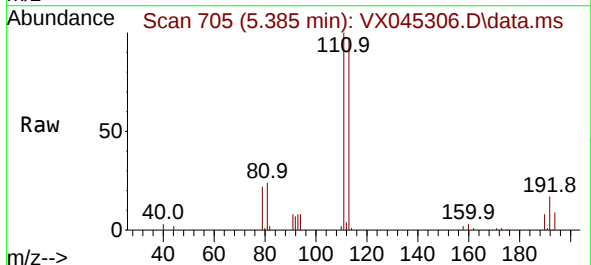
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

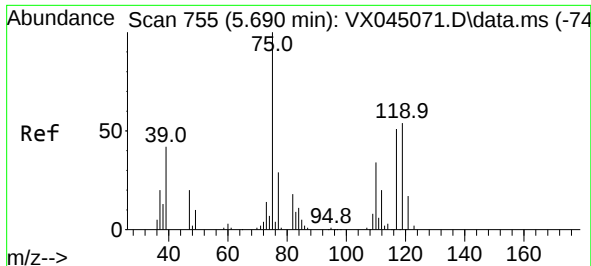
Tgt Ion:114 Resp: 148947
Ion Ratio Lower Upper
114 100
63 22.7 0.0 41.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.776 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion:113 Resp: 52563
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 17.2 14.3 21.5

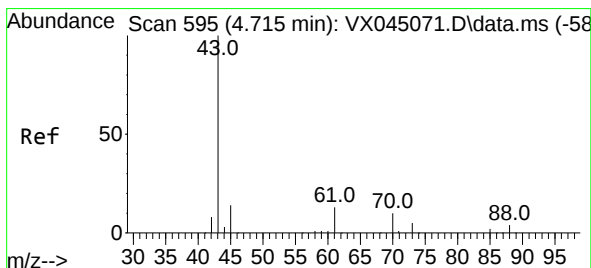
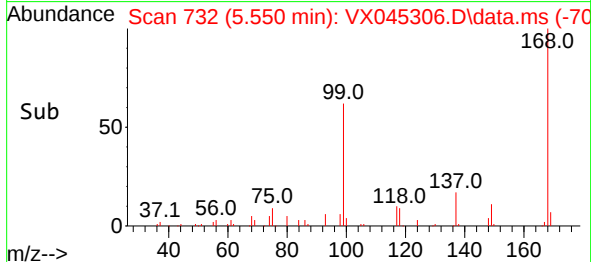
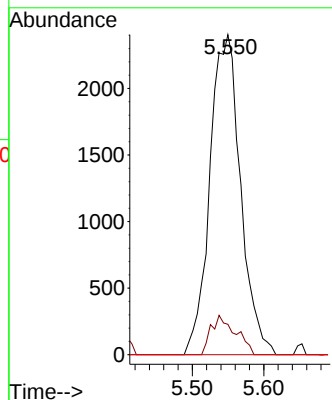
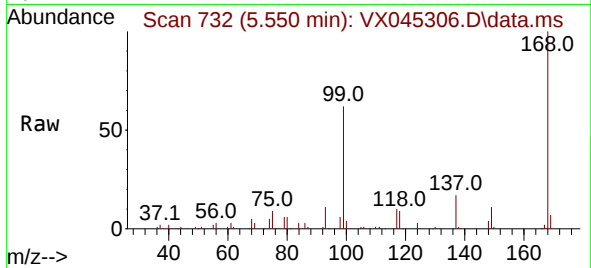




#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 5.550 min Scan# 7158
Delta R.T. -0.140 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

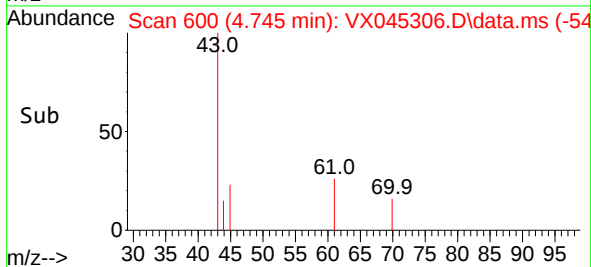
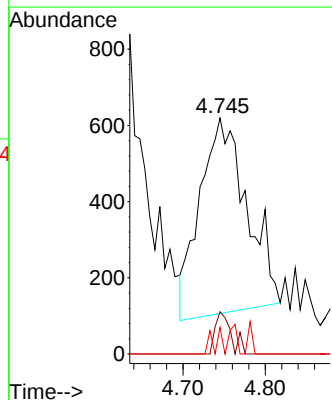
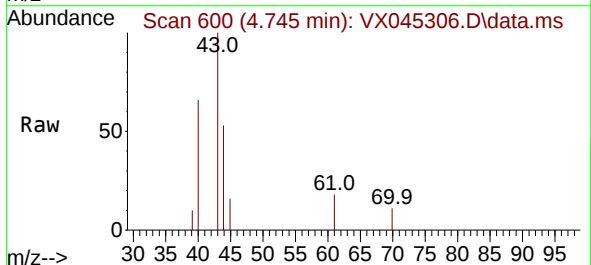
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

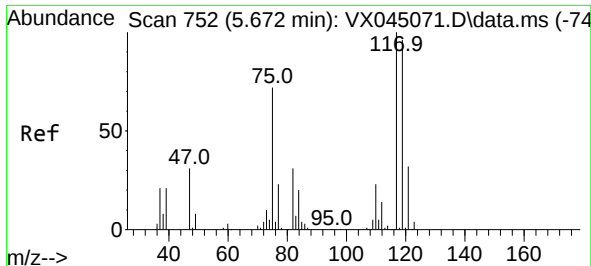
Tgt Ion: 75 Resp: 7158
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 1.157 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

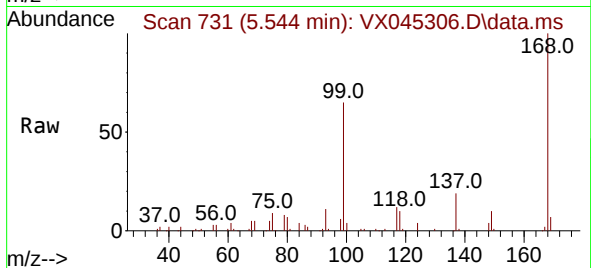
Tgt Ion: 43 Resp: 2036
Ion Ratio Lower Upper
43 100
61 7.2 10.8 16.2#
70 1.1 7.7 11.5#



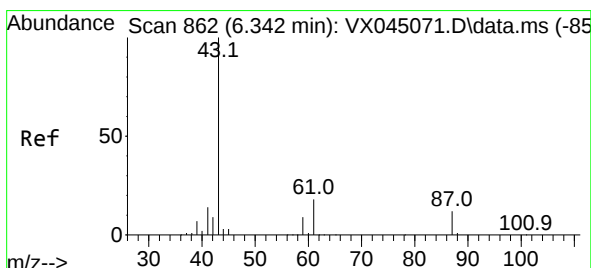
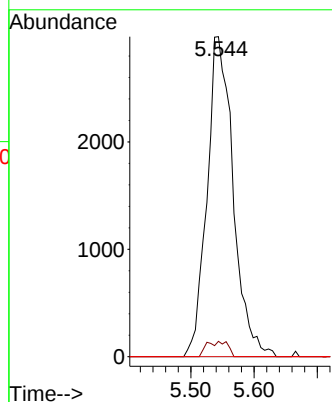
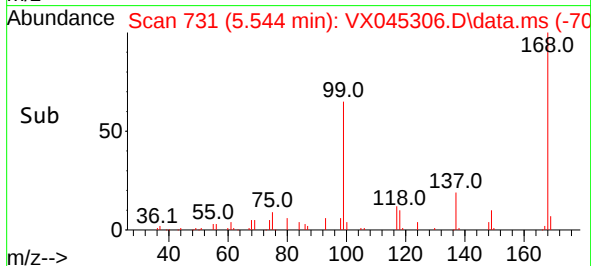


#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

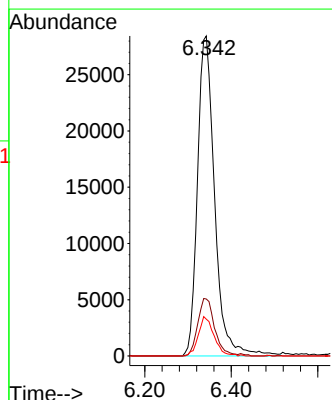
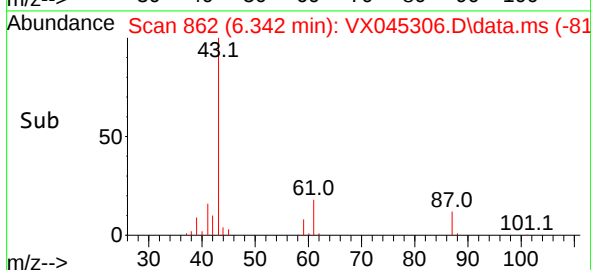
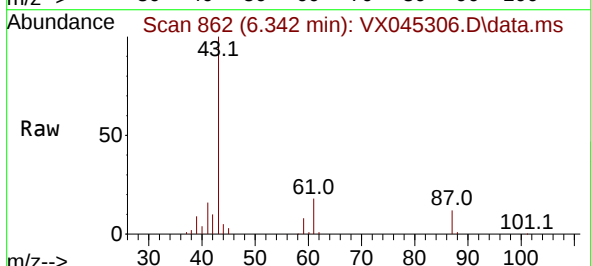


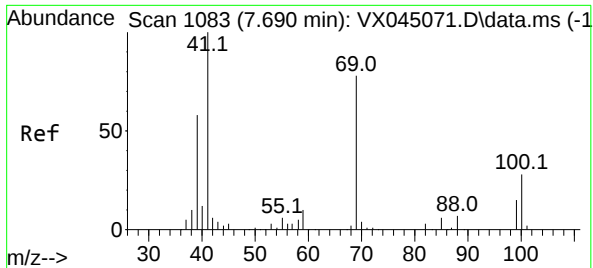
Tgt Ion:117 Resp: 8575
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 30.059 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 43 Resp: 78229
Ion Ratio Lower Upper
43 100
61 17.7 14.9 22.3
87 11.3 9.4 14.2

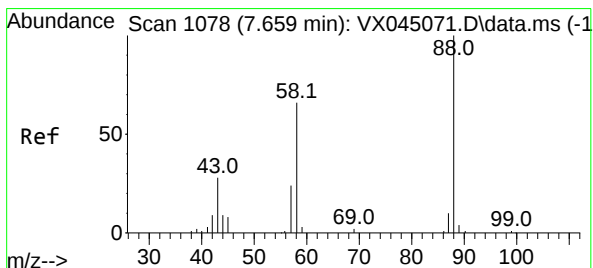
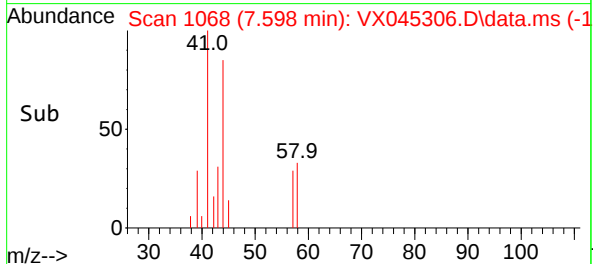
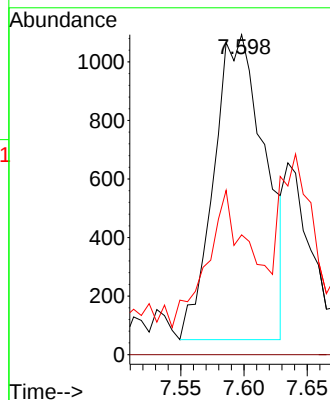
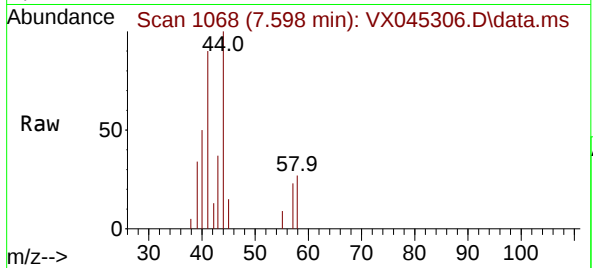




#48
Methyl methacrylate
Concen: 2.243 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.092 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

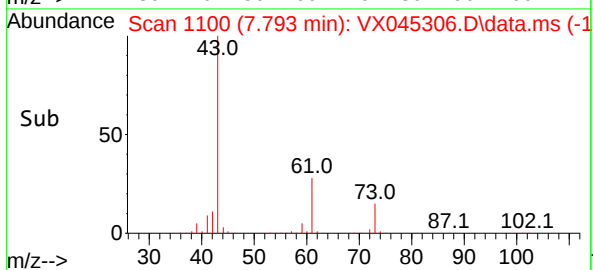
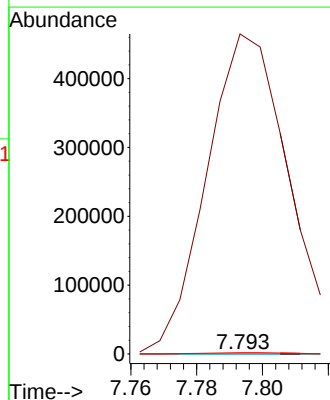
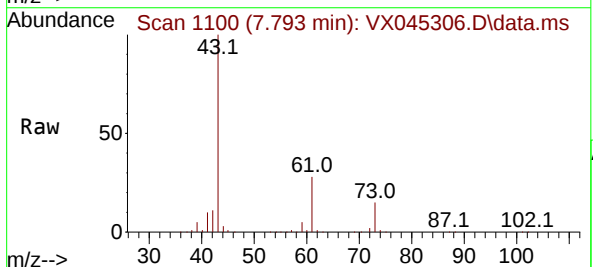
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

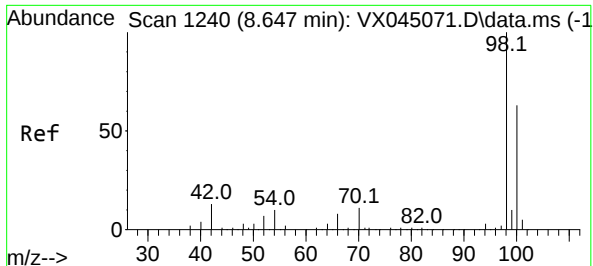
Tgt Ion: 41 Resp: 2928
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 2.251 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 1350780.6 28.7 43.1#
58 6006.5 55.8 83.8#

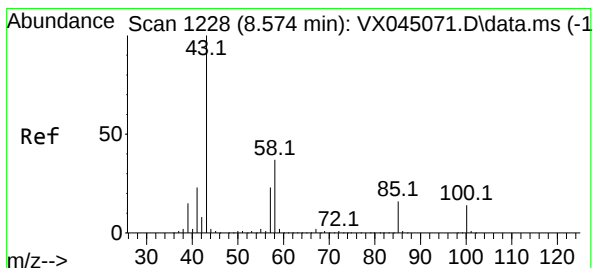
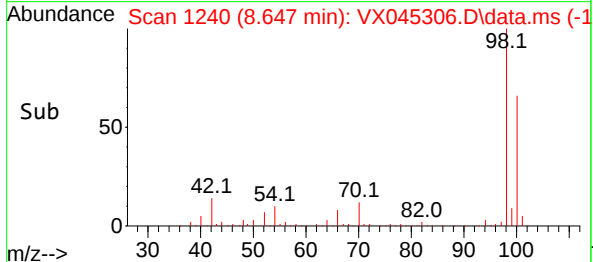
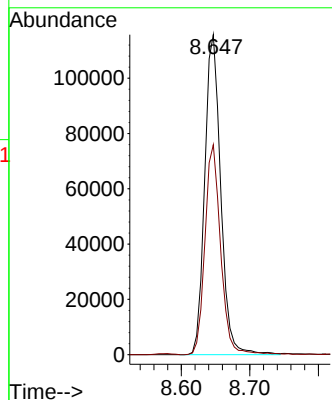
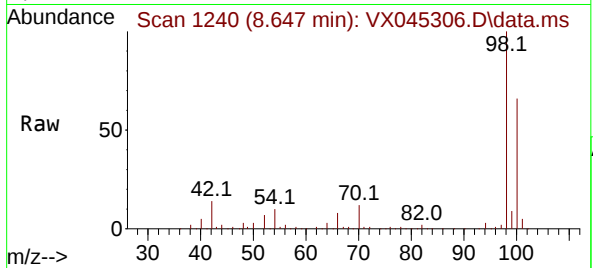




#50
Toluene-d8
Concen: 52.224 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

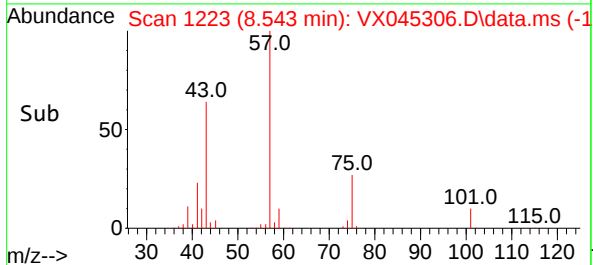
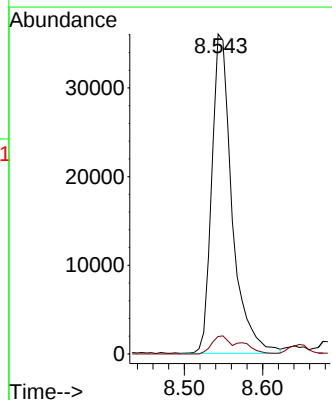
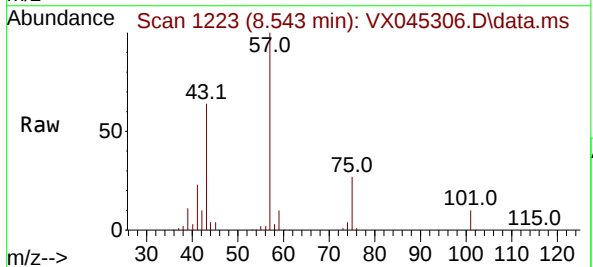
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

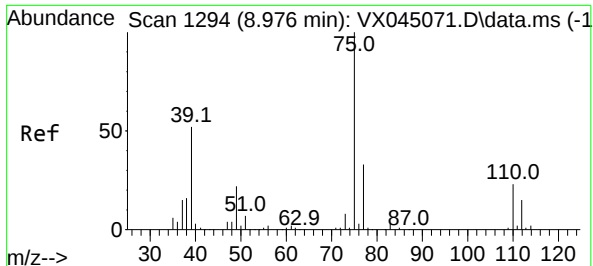
Tgt Ion: 98 Resp: 188568
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 37.082 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 43 Resp: 64800
Ion Ratio Lower Upper
43 100
58 4.9 29.2 43.8#

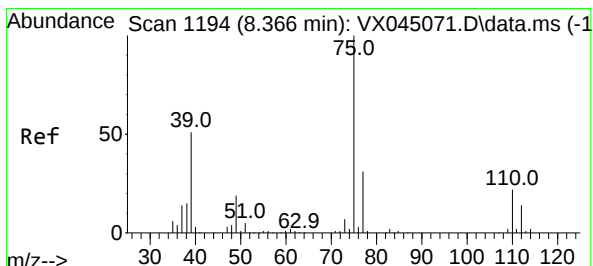
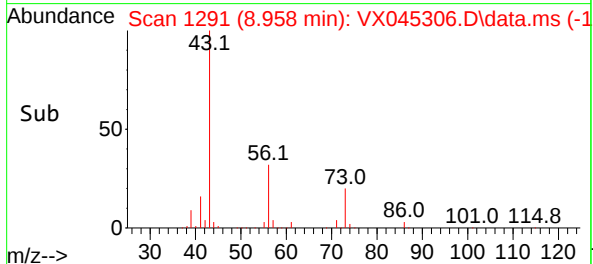
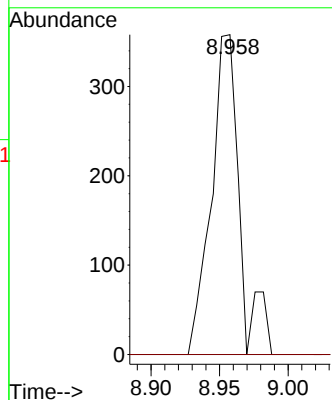
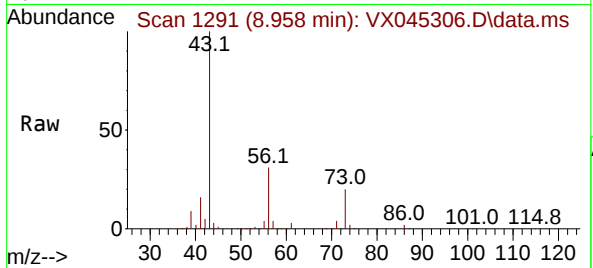




#53
 t-1,3-Dichloropropene
 Concen: 0.401 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX045306.D
 Acq: 17 Mar 2025 15:25

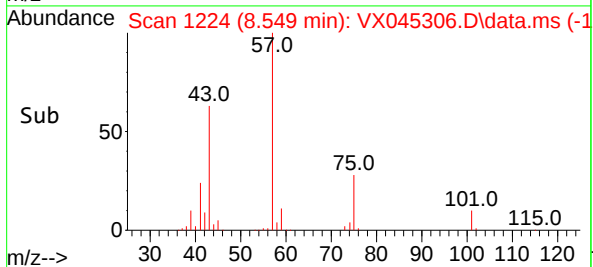
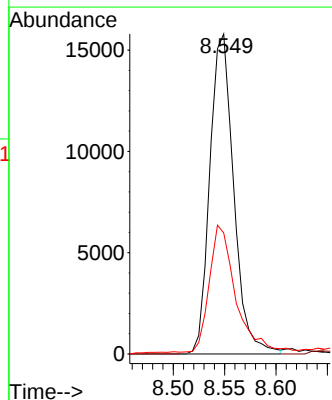
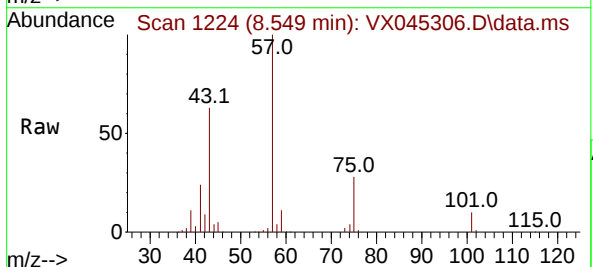
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167134ZHE#03

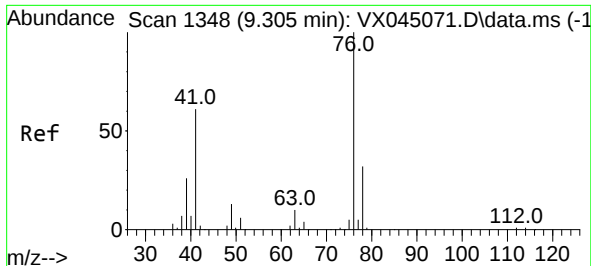
Tgt Ion: 75 Resp: 515
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 17.052 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045306.D
 Acq: 17 Mar 2025 15:25

Tgt Ion: 75 Resp: 25557
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 37.3 40.7 61.1#

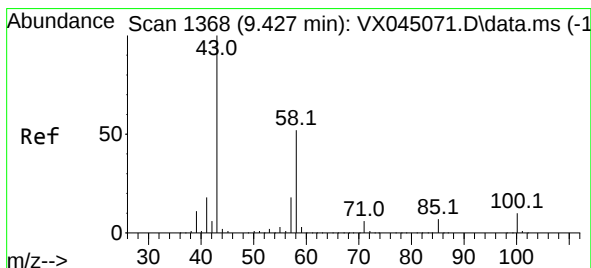
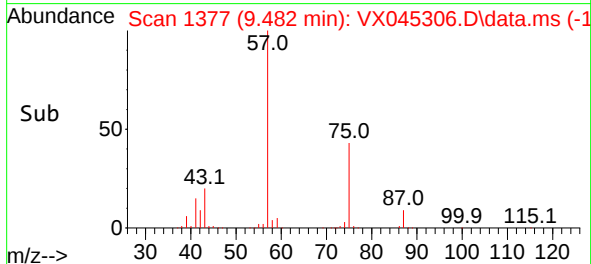
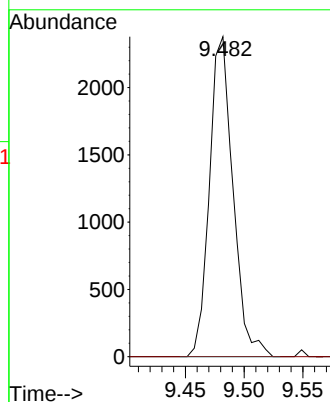
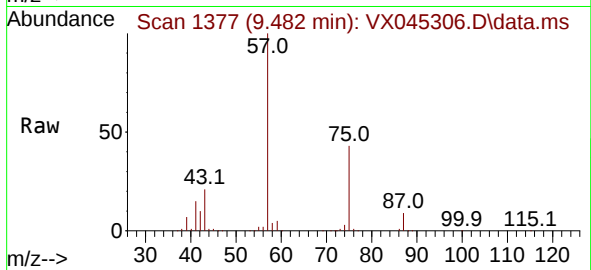




#57
1,3-Dichloropropane
Concen: 1.842 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

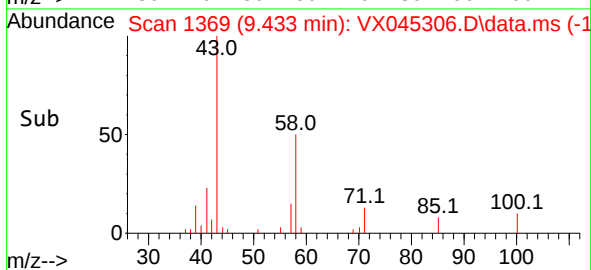
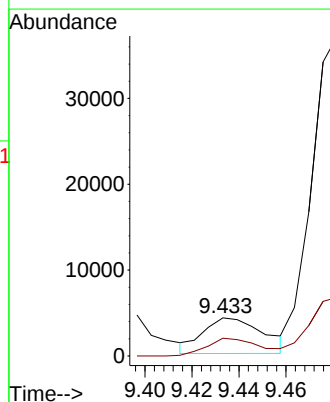
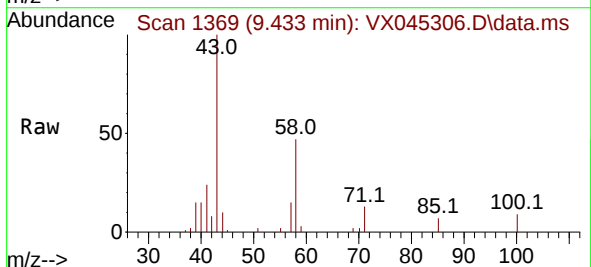
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

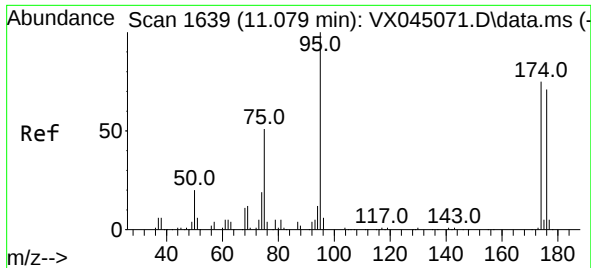
Tgt Ion: 76 Resp: 3321
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 5.798 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 43 Resp: 7341
Ion Ratio Lower Upper
43 100
58 44.7 25.9 77.6

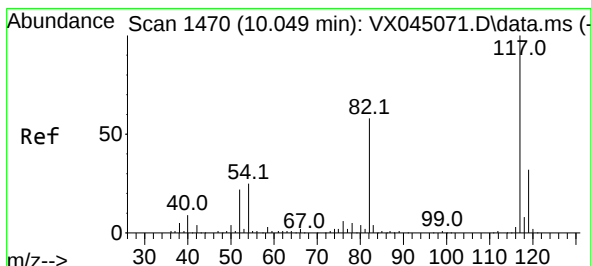
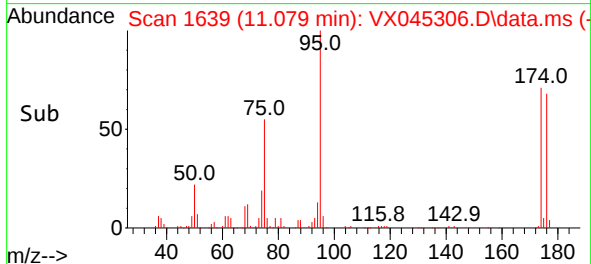
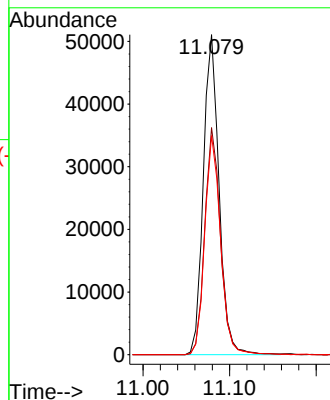
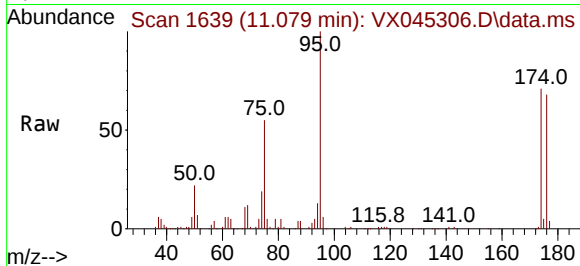




#62
4-Bromofluorobenzene
Concen: 53.821 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

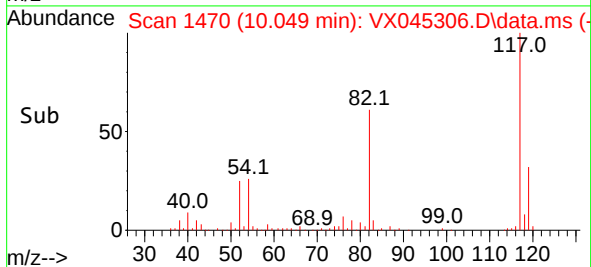
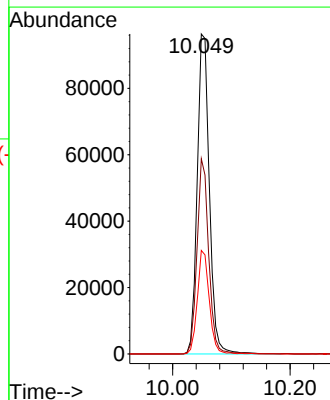
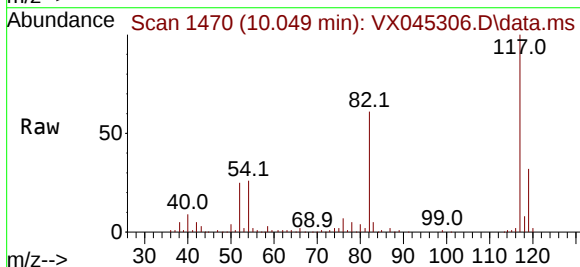
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

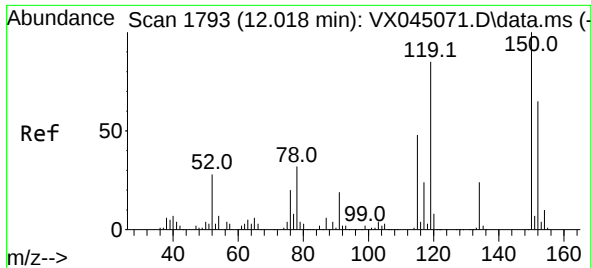
Tgt Ion: 95 Resp: 64396
Ion Ratio Lower Upper
95 100
174 71.3 0.0 148.2
176 69.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 117 Resp: 138042
Ion Ratio Lower Upper
117 100
82 61.0 46.3 69.5
119 32.3 25.7 38.5

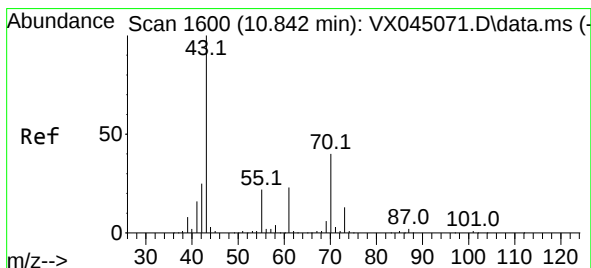
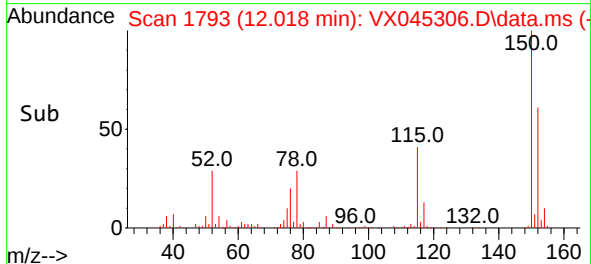
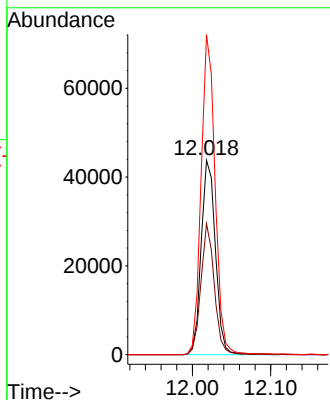
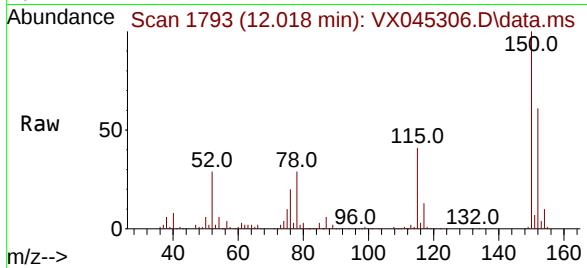




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045306.D
 Acq: 17 Mar 2025 15:25

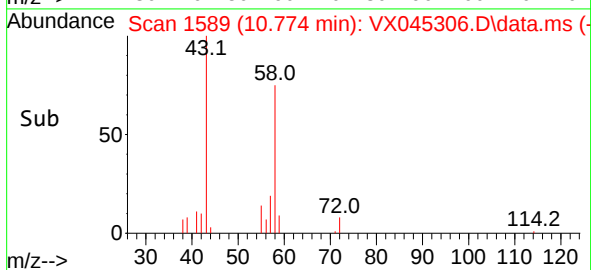
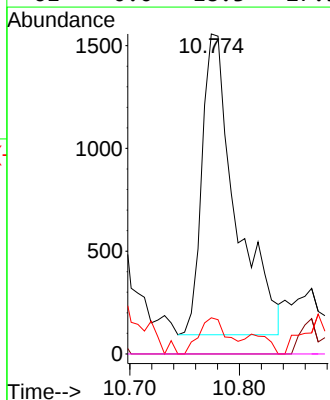
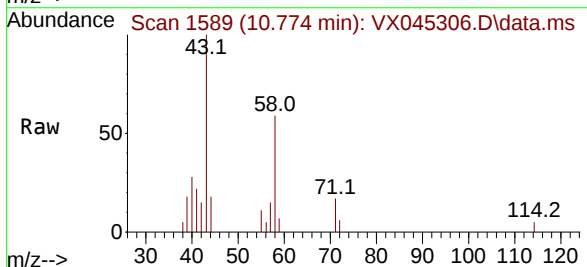
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167134ZHE#03

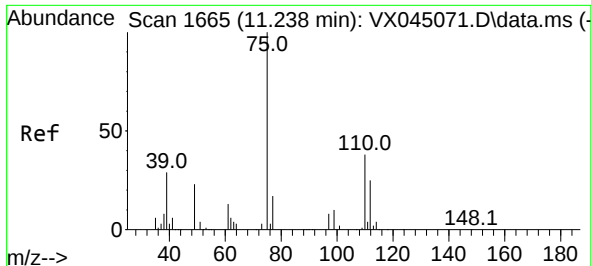
Tgt Ion:152 Resp: 55646
 Ion Ratio Lower Upper
 152 100
 115 63.0 44.2 132.6
 150 160.7 0.0 349.0



#74
 N-ethyl acetate
 Concen: 1.533 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.067 min
 Lab File: VX045306.D
 Acq: 17 Mar 2025 15:25

Tgt Ion: 43 Resp: 3125
 Ion Ratio Lower Upper
 43 100
 70 0.0 31.8 47.6#
 55 10.0 18.3 27.5#
 61 0.0 18.3 27.5#

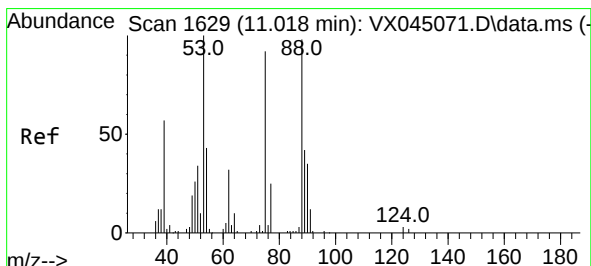
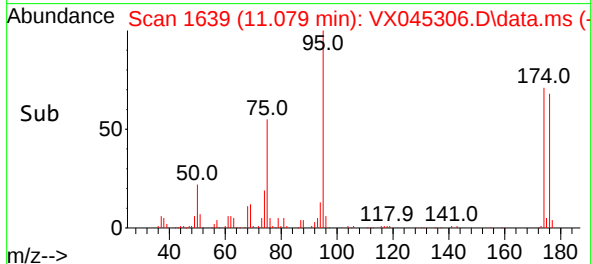
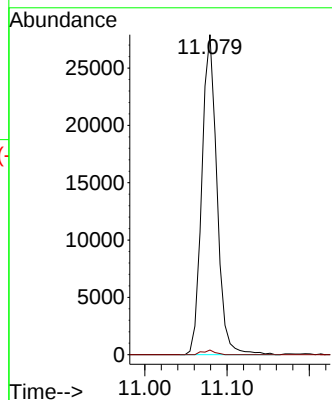
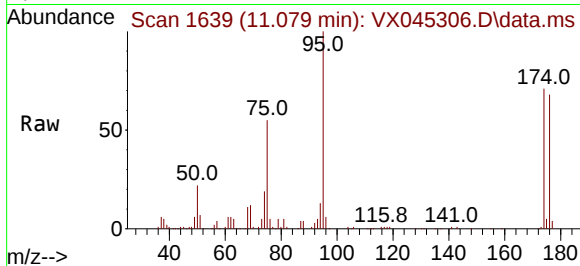




#76
1,2,3-Trichloropropane
Concen: 27.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#03

Tgt Ion: 75 Resp: 35667
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045306.D
Acq: 17 Mar 2025 15:25

Tgt Ion: 75 Resp: 35667
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

