

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045494.D
 Acq On : 27 Mar 2025 21:46
 Operator : JC/MD
 Sample : Q1662-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

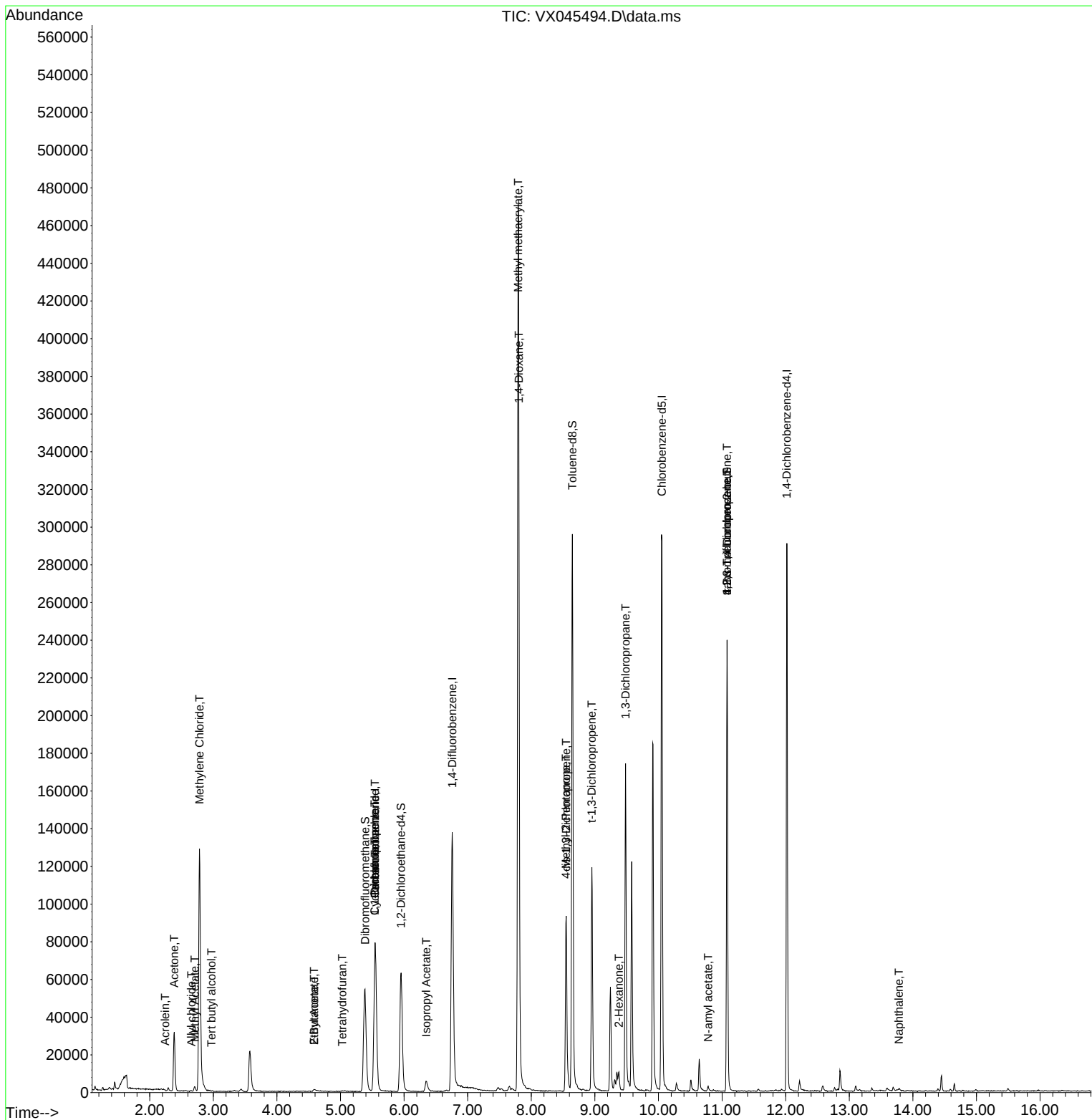
Quant Time: Mar 28 01:39:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

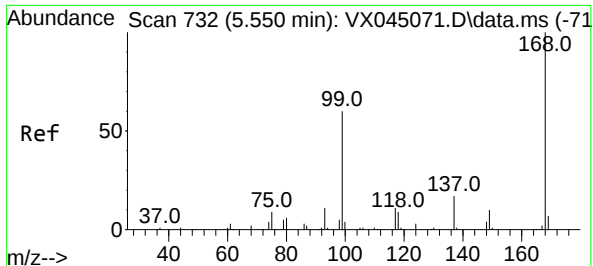
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	69220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132342	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63725	57.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.760%			
35) Dibromofluoromethane	5.385	113	46769	52.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	8.647	98	168735	52.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.180%			
62) 4-Bromofluorobenzene	11.079	95	61784	58.117	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.240%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	260	1.247	ug/l #	73
13) Acrolein	2.239	56	109	0.452	ug/l #	60
14) Allyl chloride	2.654	41	336	0.222	ug/l #	51
16) Acetone	2.386	43	34013	66.581	ug/l	99
18) Methyl Acetate	2.709	43	3146	2.560	ug/l	92
20) Methylene Chloride	2.782	84	59624	58.921	ug/l	98
25) 2-Butanone	4.587	43	2782	3.618	ug/l #	87
29) Tetrahydrofuran	5.025	42	284	0.550	ug/l #	34
31) Cyclohexane	5.538	56	2238	1.494	ug/l #	57
36) 1,1-Dichloropropene	5.538	75	6870	5.661	ug/l #	48
37) Ethyl Acetate	4.587	43	2782	1.779	ug/l #	70
38) Carbon Tetrachloride	5.544	117	8006	6.498	ug/l #	15
43) Isopropyl Acetate	6.348	43	8557	3.700	ug/l	95
48) Methyl methacrylate	7.793	41	45930	39.591	ug/l #	47
49) 1,4-Dioxane	7.805	88	25	1.022	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	37312	24.031	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	237	0.208	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	14967	11.239	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1426	0.890	ug/l #	43
59) 2-Hexanone	9.378	43	9616	8.548	ug/l #	26
74) N-amyl acetate	10.781	43	1442	0.737	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	35697	28.698	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35697	98.209	ug/l #	6
95) Naphthalene	13.780	128	1041	0.270	ug/l	95

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

Quant Time: Mar 28 01:39:02 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

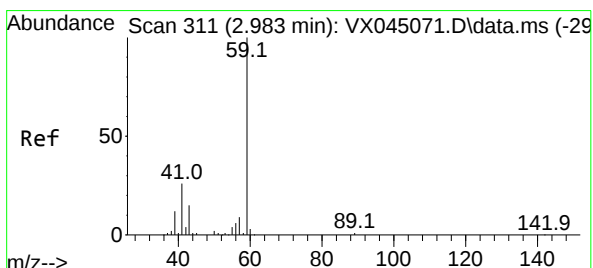
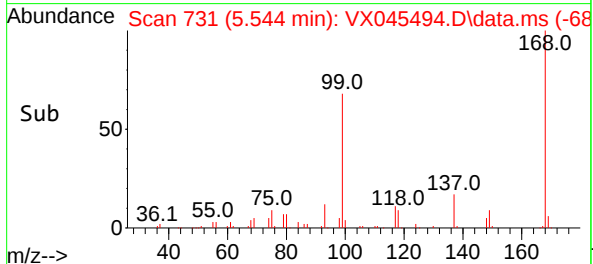
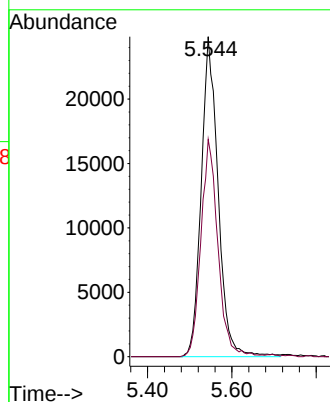
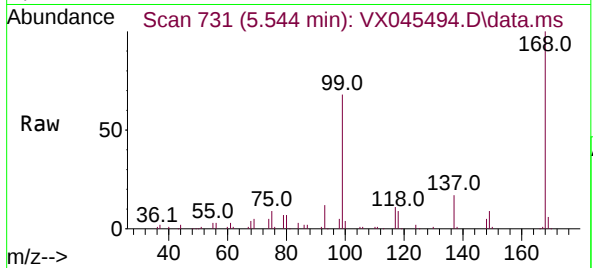




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

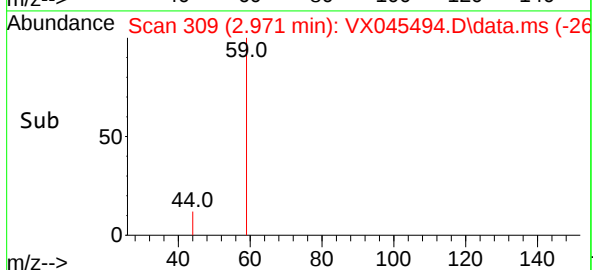
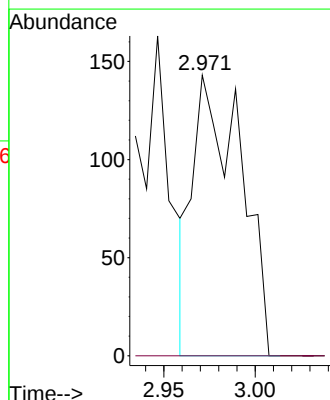
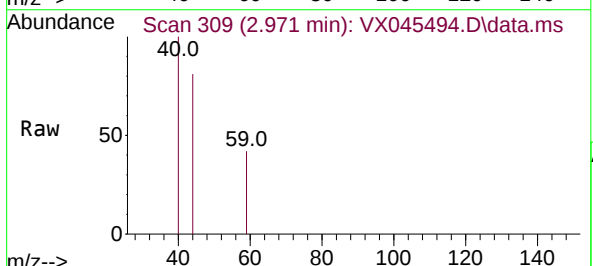
Instrument :
MSVOA_X
ClientSampleId :
TP-6

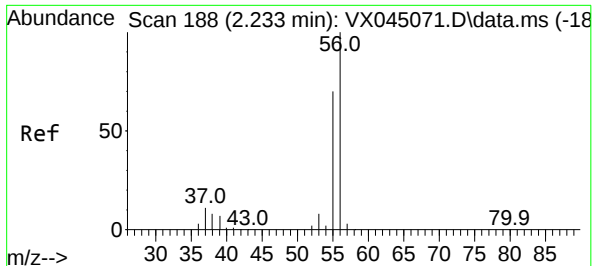
Tgt Ion:168 Resp: 69220
Ion Ratio Lower Upper
168 100
99 67.9 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.247 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

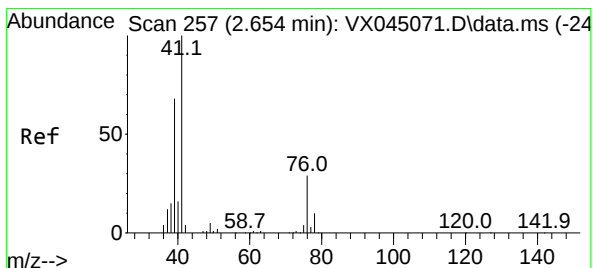
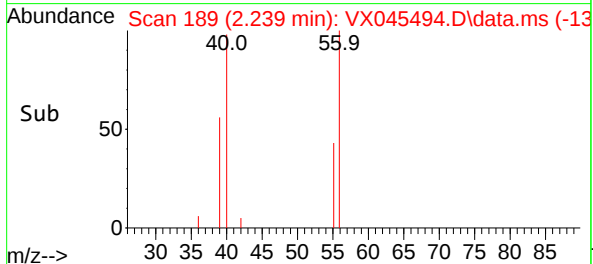
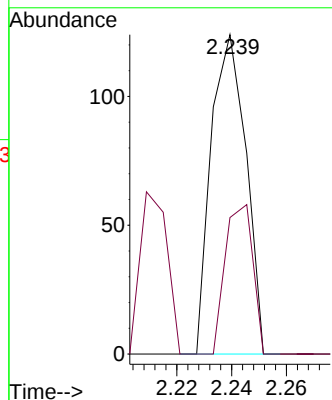
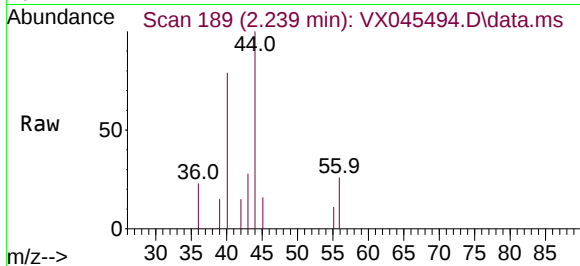




#13
Acrolein
Concen: 0.452 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

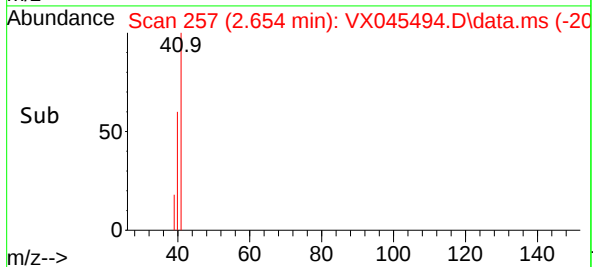
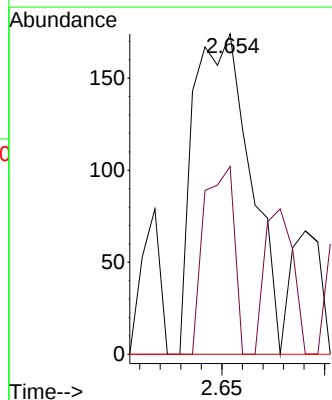
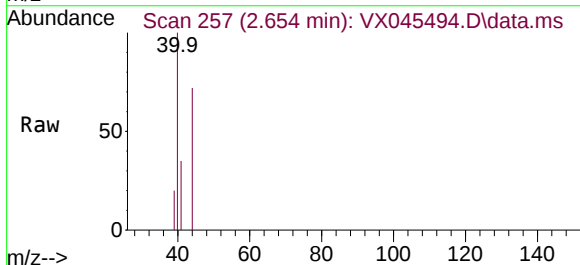
Instrument :
MSVOA_X
ClientSampleId :
TP-6

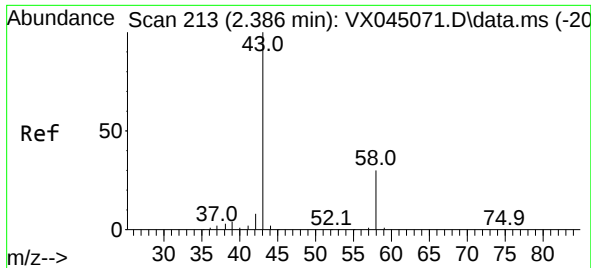
Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 37.6 56.2 84.4#



#14
Allyl chloride
Concen: 0.222 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 41 Resp: 336
Ion Ratio Lower Upper
41 100
39 31.0 53.8 80.8#
76 0.0 25.2 37.8#

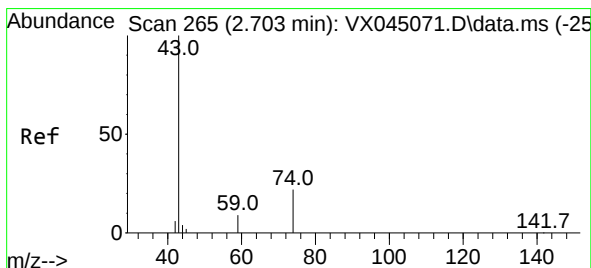
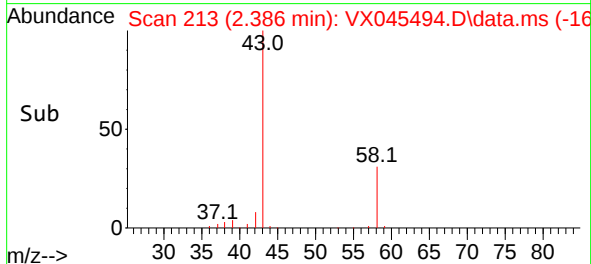
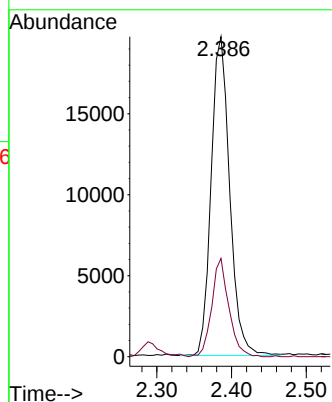
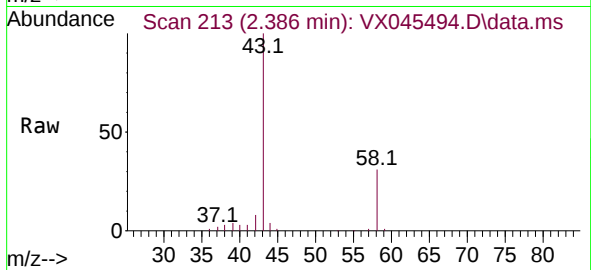




#16
Acetone
Concen: 66.581 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

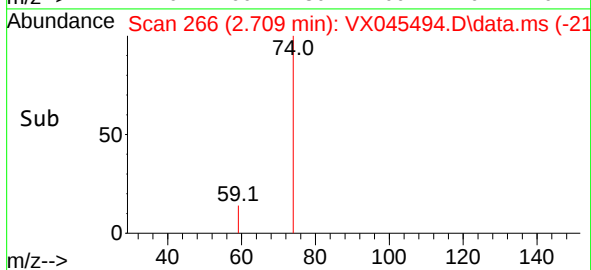
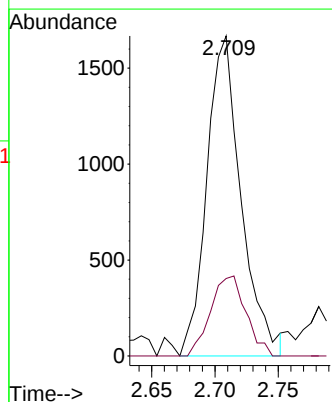
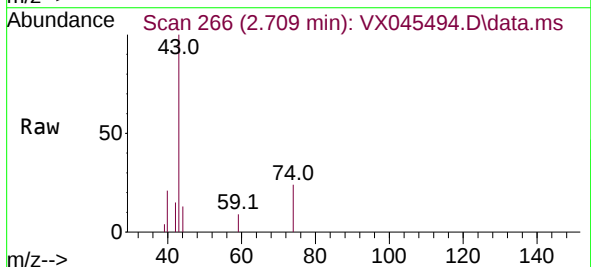
Instrument :
MSVOA_X
ClientSampleId :
TP-6

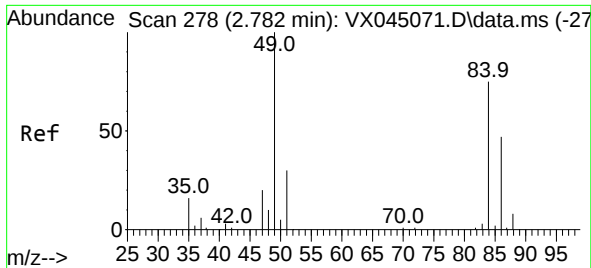
Tgt Ion: 43 Resp: 34013
Ion Ratio Lower Upper
43 100
58 30.8 24.2 36.4



#18
Methyl Acetate
Concen: 2.560 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 43 Resp: 3146
Ion Ratio Lower Upper
43 100
74 25.8 17.4 26.2

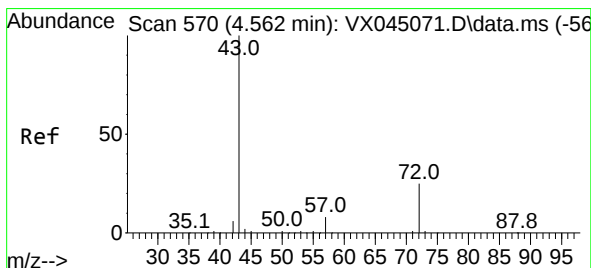
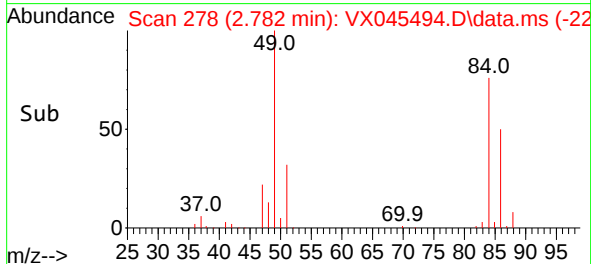
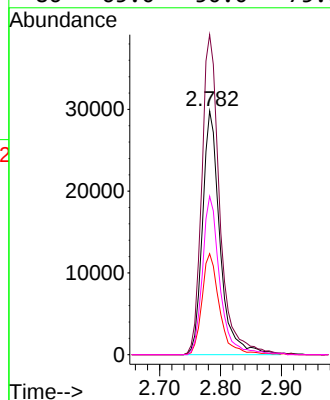
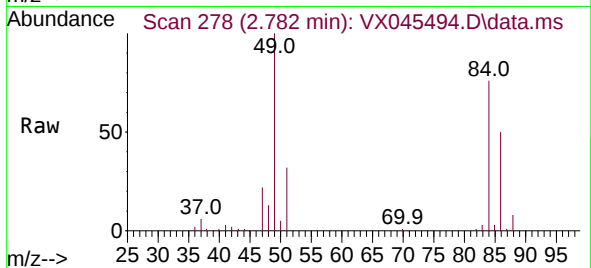




#20
Methylene Chloride
Concen: 58.921 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

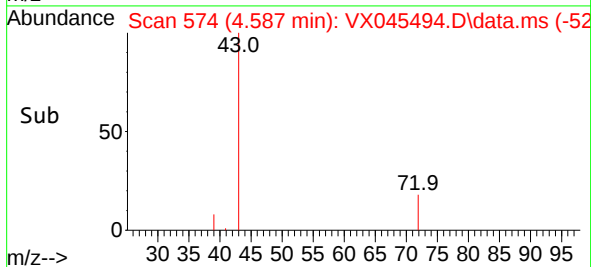
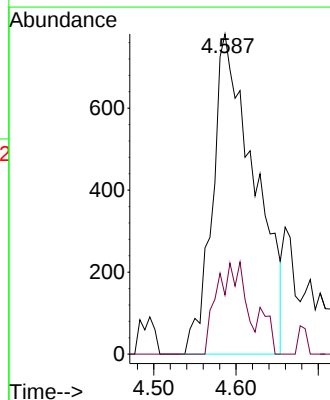
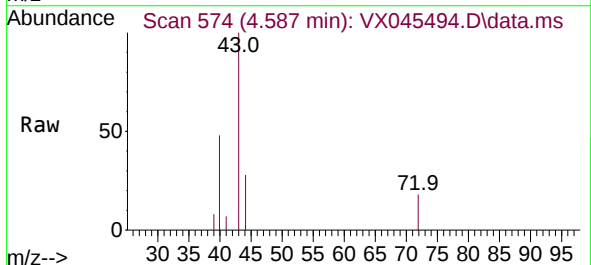
Instrument :
MSVOA_X
ClientSampleId :
TP-6

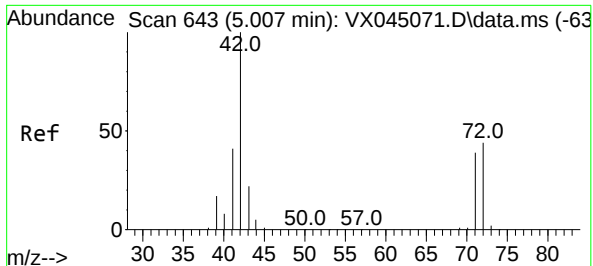
Tgt Ion:	84	Resp:	59624
Ion	Ratio	Lower	Upper
84	100		
49	131.3	106.5	159.7
51	41.4	32.1	48.1
86	65.0	50.0	75.0



#25
2-Butanone
Concen: 3.618 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion:	43	Resp:	2782
Ion	Ratio	Lower	Upper
43	100		
72	18.4	20.0	30.0#

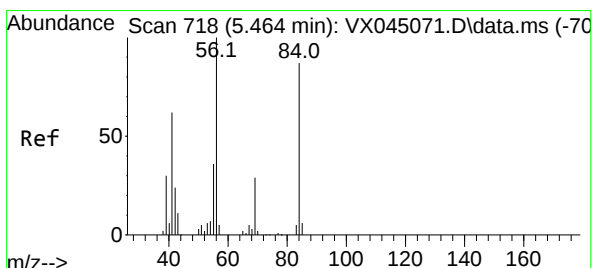
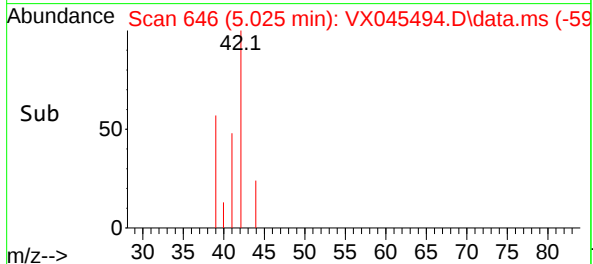
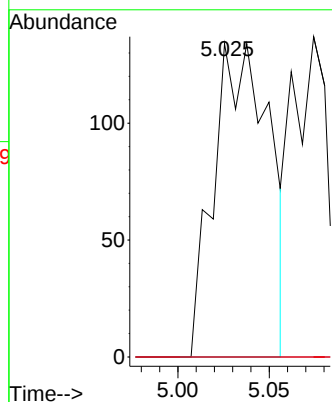
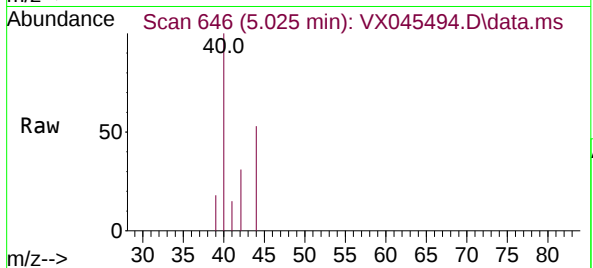




#29
Tetrahydrofuran
Concen: 0.550 ug/l
RT: 5.025 min Scan# 643
Delta R.T. 0.018 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

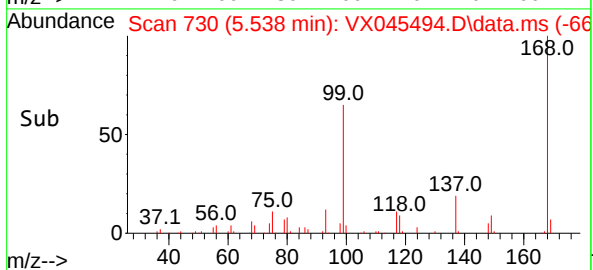
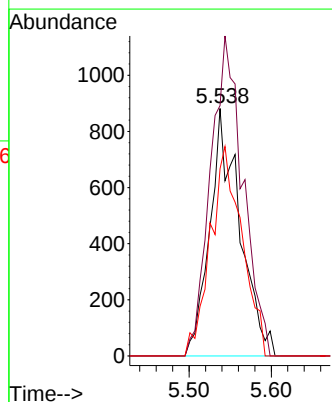
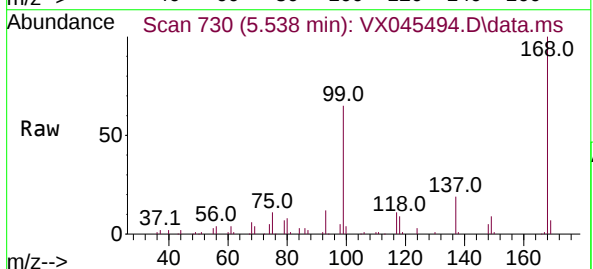
Instrument :
MSVOA_X
ClientSampleId :
TP-6

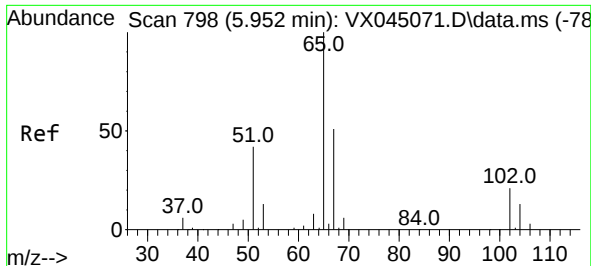
Tgt Ion: 42 Resp: 284
Ion Ratio Lower Upper
42 100
72 0.0 34.1 51.1#
71 0.0 31.4 47.0#



#31
Cyclohexane
Concen: 1.494 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 56 Resp: 2238
Ion Ratio Lower Upper
56 100
69 101.1 23.4 35.2#
84 75.6 69.4 104.2

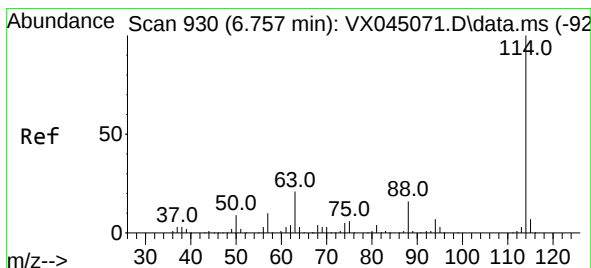
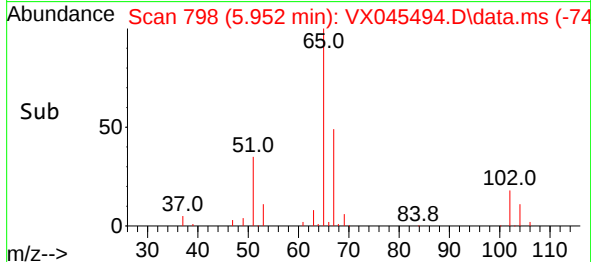
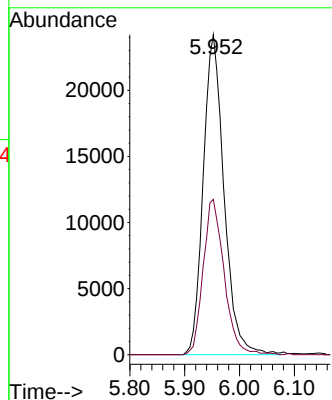
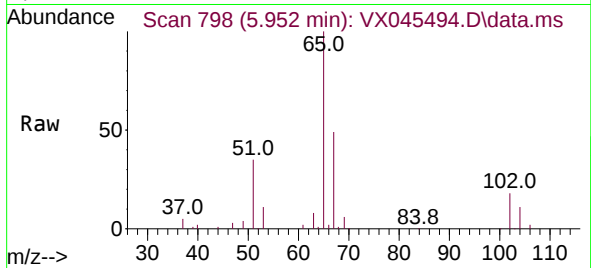




#33
 1,2-Dichloroethane-d4
 Concen: 57.877 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045494.D
 Acq: 27 Mar 2025 21:46

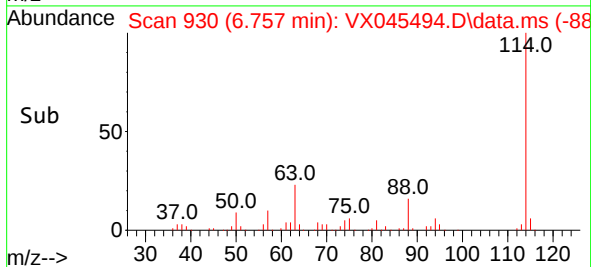
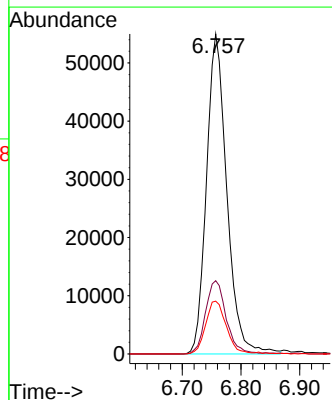
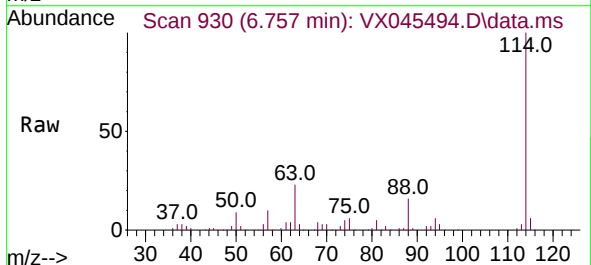
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

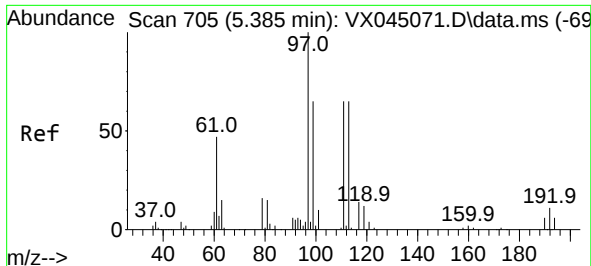
Tgt Ion: 65 Resp: 63725
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045494.D
 Acq: 27 Mar 2025 21:46

Tgt Ion: 114 Resp: 132342
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 41.8
 88 16.5 0.0 32.8

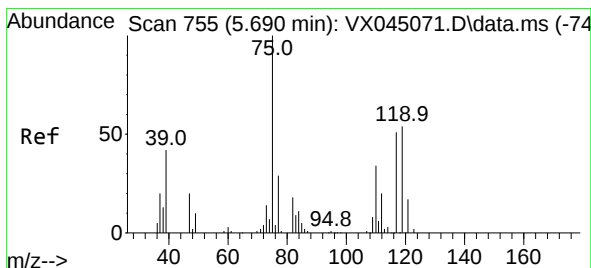
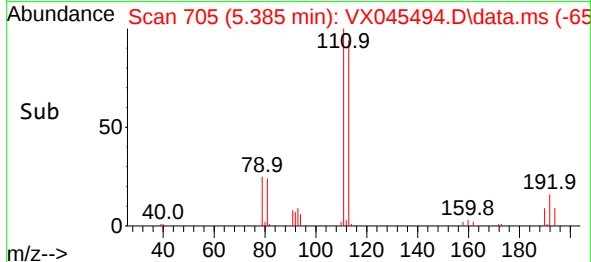
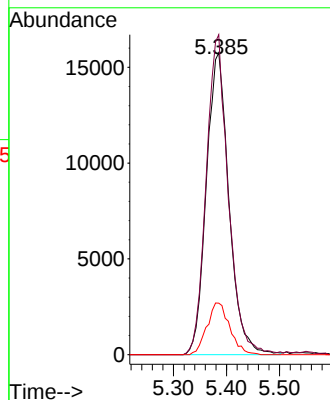
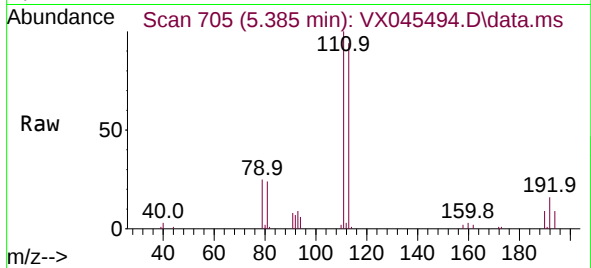




#35
Dibromofluoromethane
Concen: 52.850 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

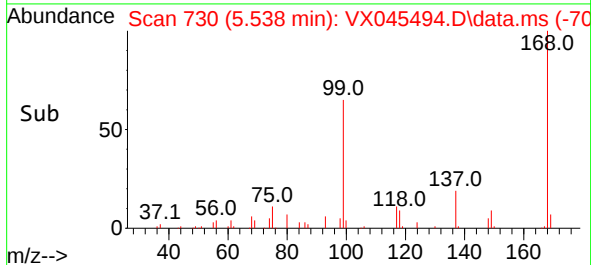
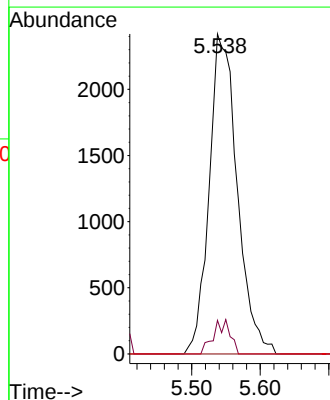
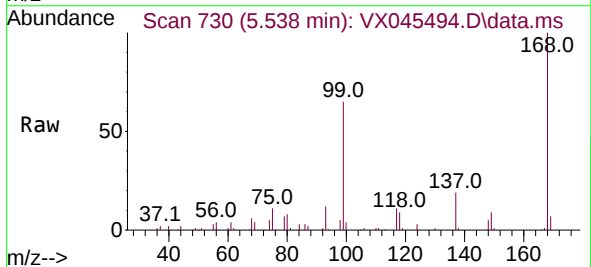
Instrument :
MSVOA_X
ClientSampleId :
TP-6

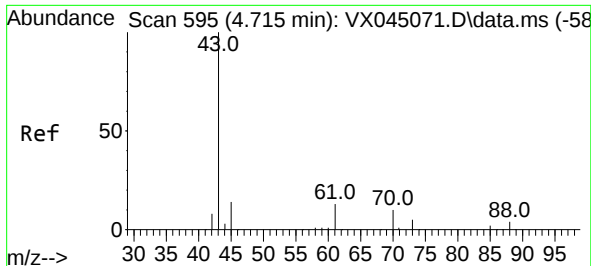
Tgt Ion:113 Resp: 46769
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 17.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.661 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 75 Resp: 6870
Ion Ratio Lower Upper
75 100
110 6.3 16.9 50.6#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 1.779 ug/l

RT: 4.587 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX045494.D

Acq: 27 Mar 2025 21:46

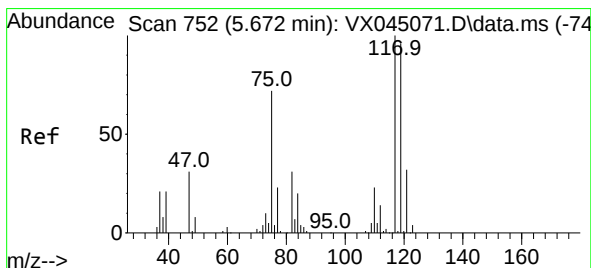
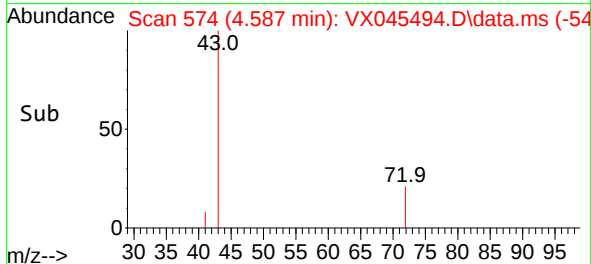
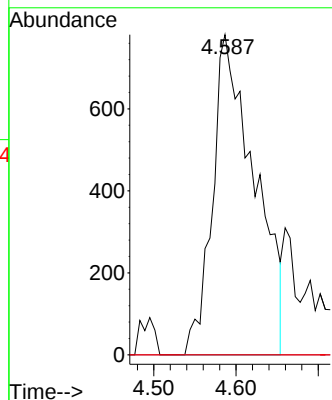
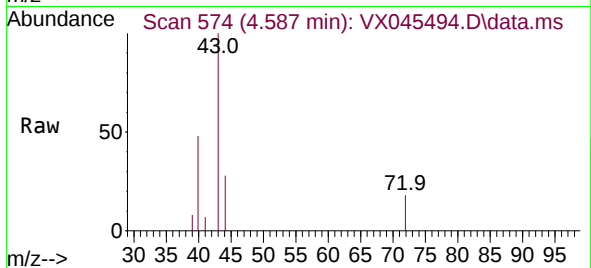
Instrument :

MSVOA_X

ClientSampleId :

TP-6

Tgt Ion:	43	Resp:	2782
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#



#38

Carbon Tetrachloride

Concen: 6.498 ug/l

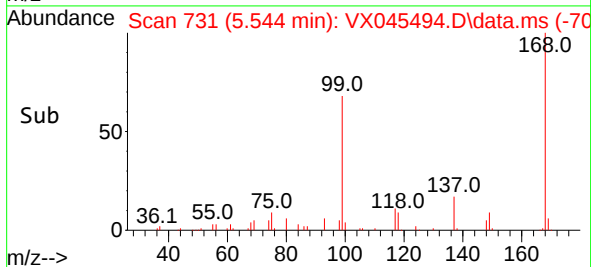
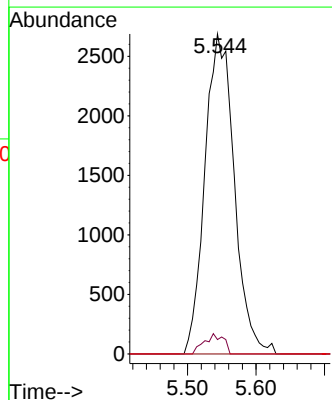
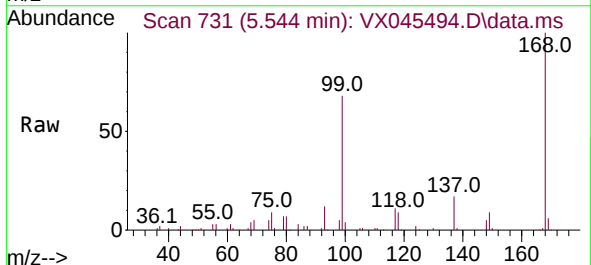
RT: 5.544 min Scan# 731

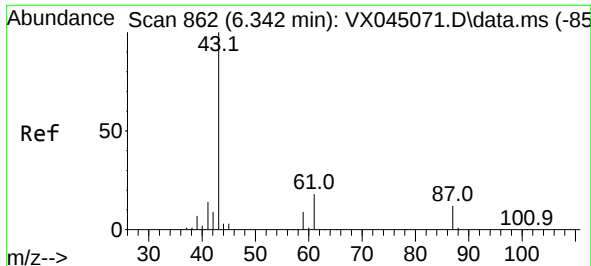
Delta R.T. -0.128 min

Lab File: VX045494.D

Acq: 27 Mar 2025 21:46

Tgt Ion:	117	Resp:	8006
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.7	115.1#
121	0.0	25.5	38.3#

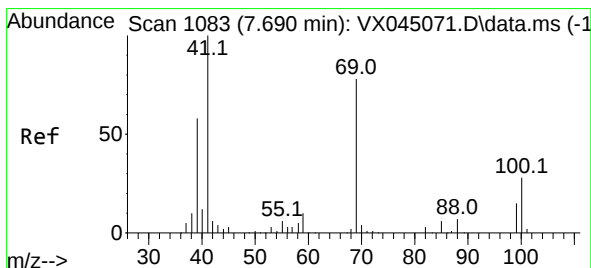
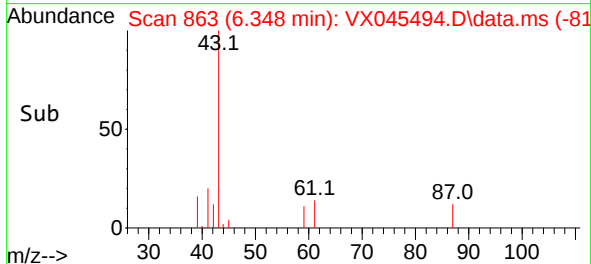
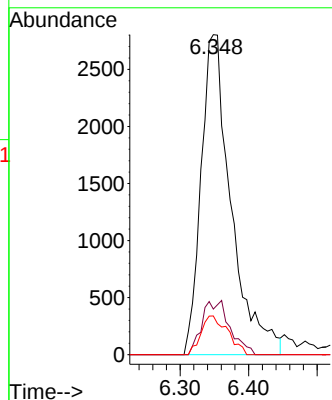
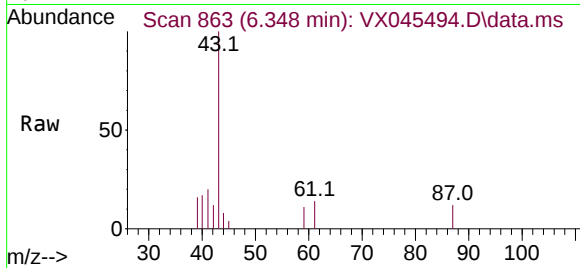




#43
Isopropyl Acetate
Concen: 3.700 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

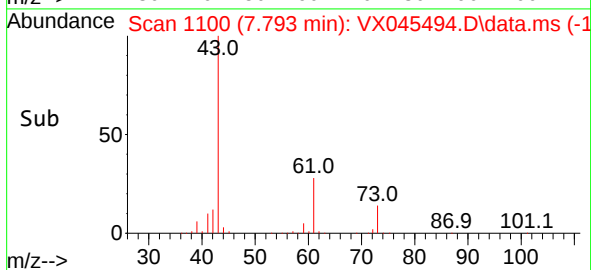
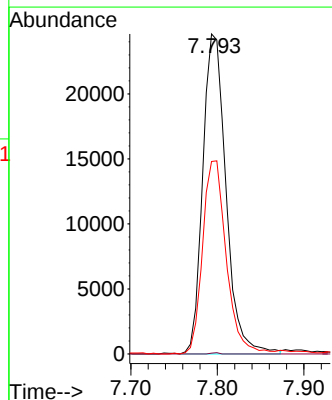
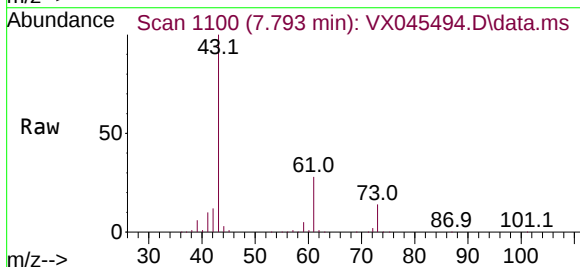
Instrument :
MSVOA_X
ClientSampleId :
TP-6

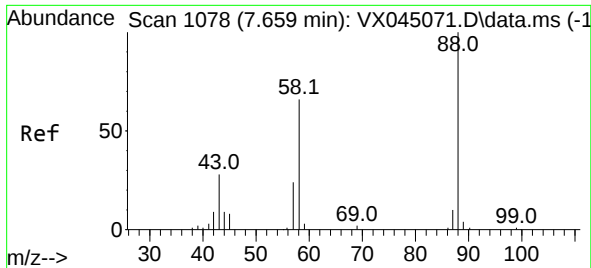
Tgt Ion:	43	Resp:	8557
Ion	Ratio	Lower	Upper
43	100		
61	15.7	14.9	22.3
87	10.7	9.4	14.2



#48
Methyl methacrylate
Concen: 39.591 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion:	41	Resp:	45930
Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.0	94.6#
39	61.6	47.5	71.3

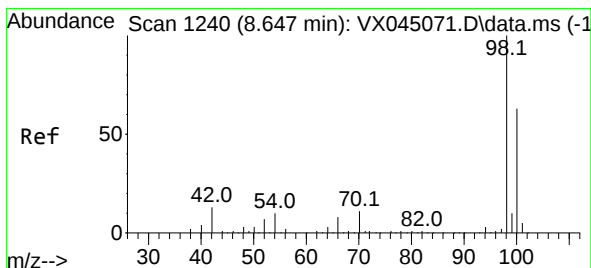
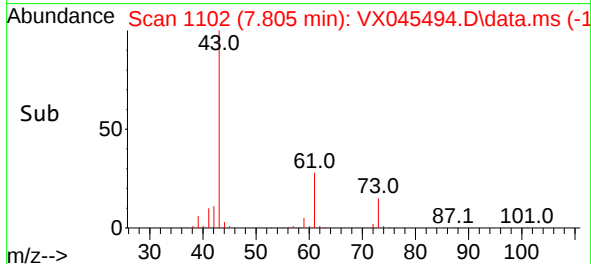
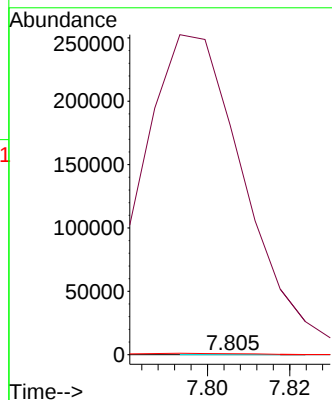
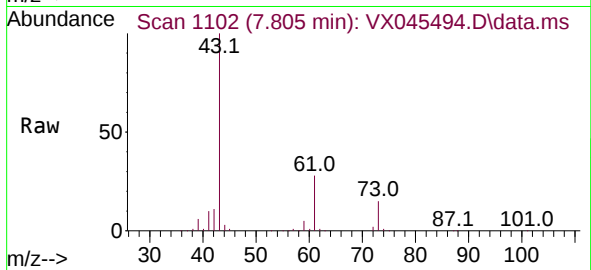




#49
1,4-Dioxane
Concen: 1.022 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

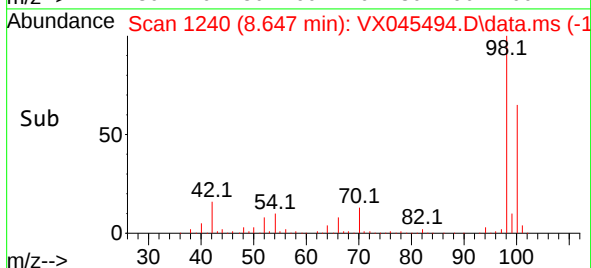
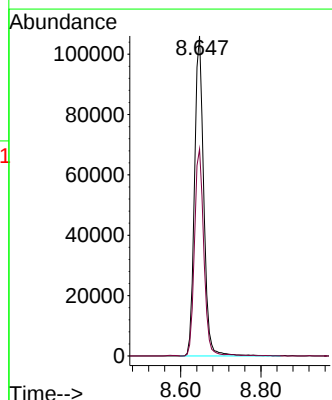
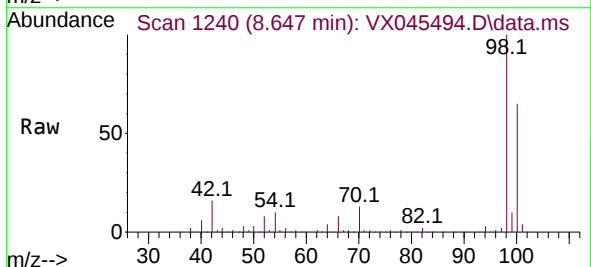
Instrument :
MSVOA_X
ClientSampleId :
TP-6

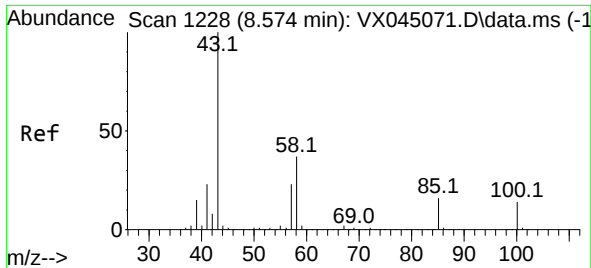
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 1838616.0 28.7 43.1#
58 8196.0 55.8 83.8#



#50
Toluene-d8
Concen: 52.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 98 Resp: 168735
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

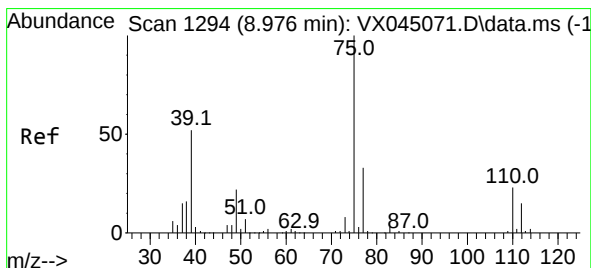
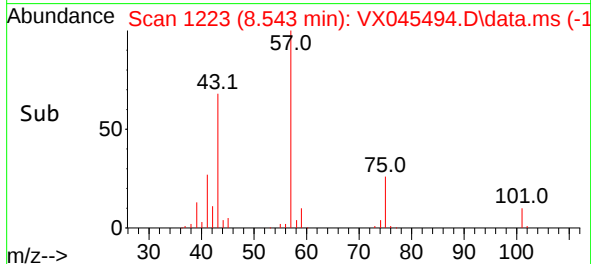
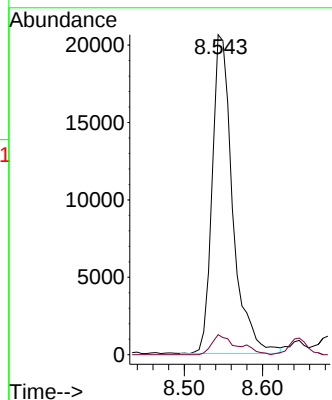
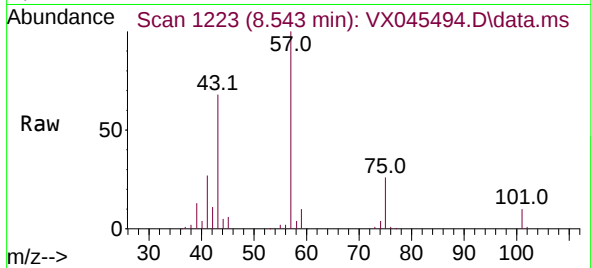




#51
4-Methyl-2-Pentanone
Concen: 24.031 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

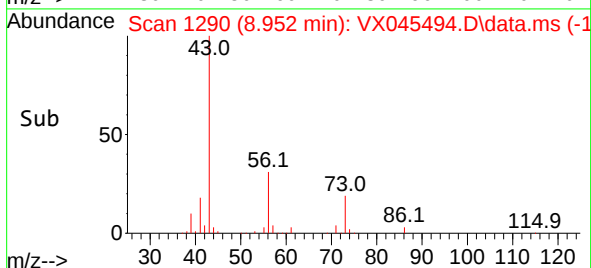
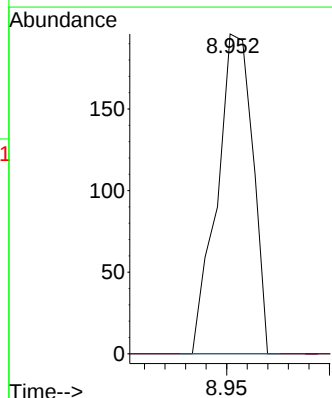
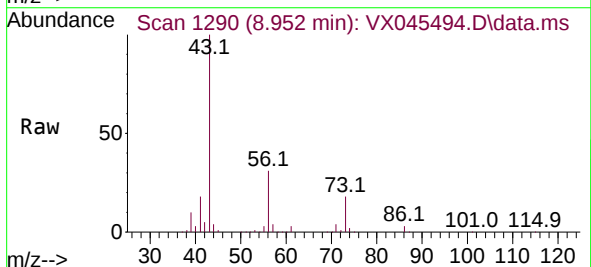
Instrument :
MSVOA_X
ClientSampleId :
TP-6

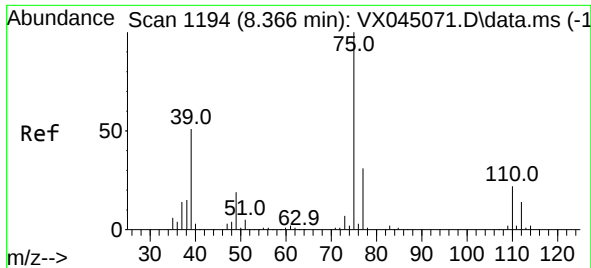
Tgt Ion: 43 Resp: 37312
Ion Ratio Lower Upper
43 100
58 7.9 29.2 43.8#



#53
t-1,3-Dichloropropene
Concen: 0.208 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 75 Resp: 237
Ion Ratio Lower Upper
75 100
77 0.0 26.5 39.7#

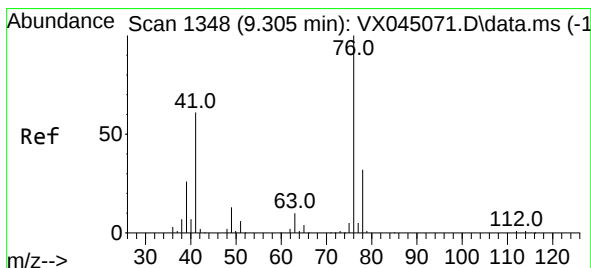
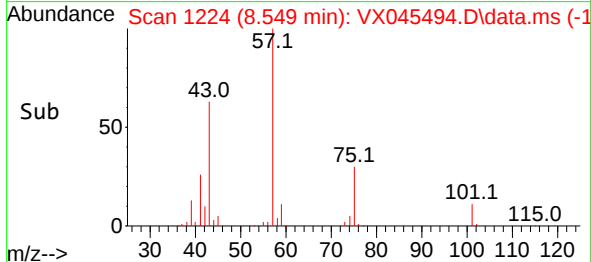
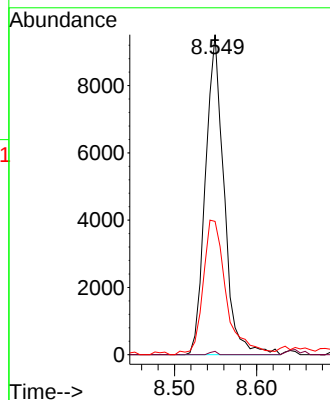
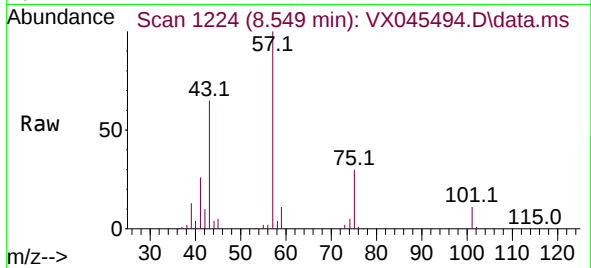




#54
 cis-1,3-Dichloropropene
 Concen: 11.239 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045494.D
 Acq: 27 Mar 2025 21:46

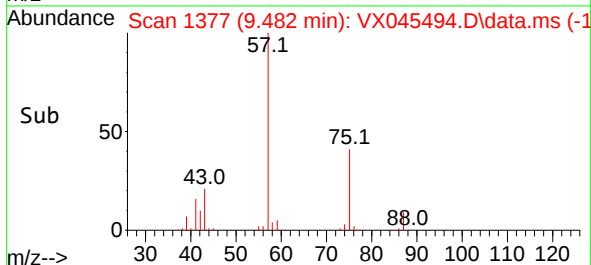
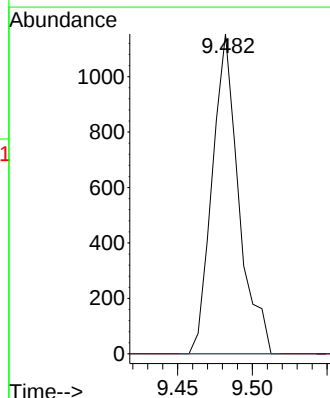
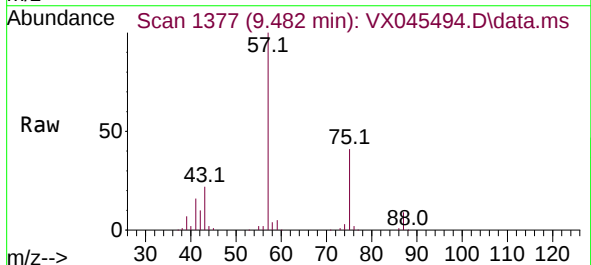
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

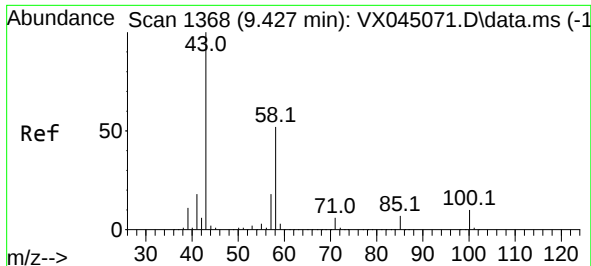
Tgt Ion: 75 Resp: 14967
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.7 37.1#
 39 40.6 40.7 61.1#



#57
 1,3-Dichloropropane
 Concen: 0.890 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045494.D
 Acq: 27 Mar 2025 21:46

Tgt Ion: 76 Resp: 1426
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

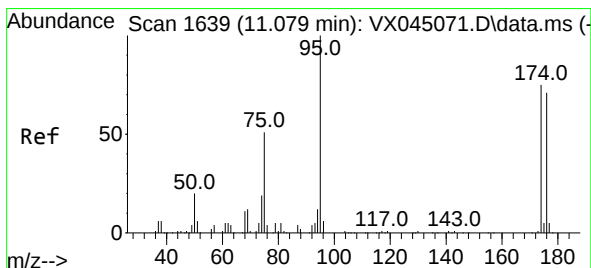
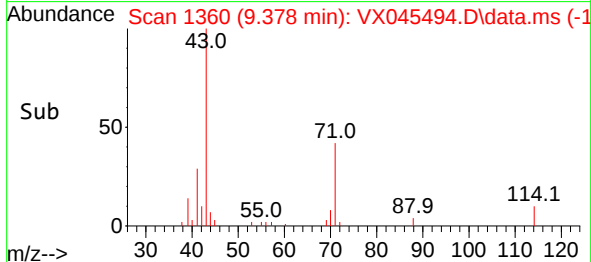
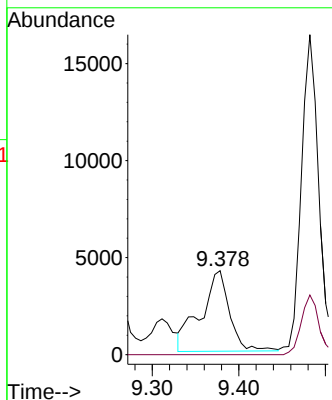
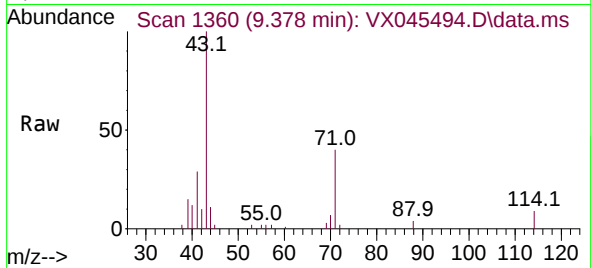




#59
2-Hexanone
Concen: 8.548 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

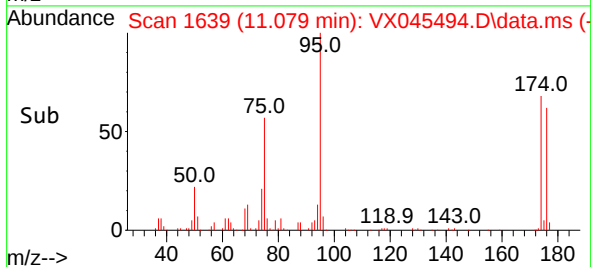
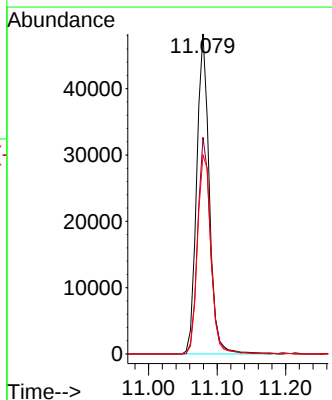
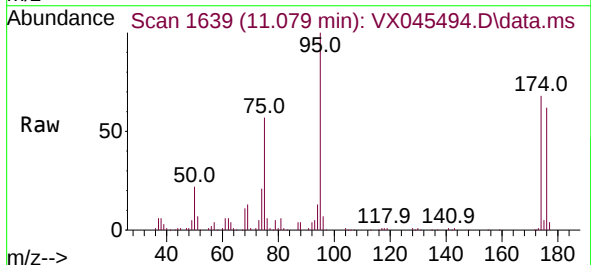
Instrument :
MSVOA_X
ClientSampleId :
TP-6

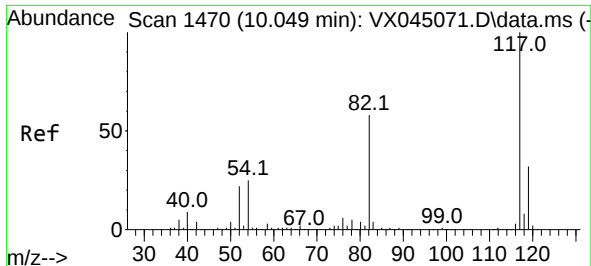
Tgt Ion: 43 Resp: 9616
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 58.117 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion: 95 Resp: 61784
Ion Ratio Lower Upper
95 100
174 69.4 0.0 148.2
176 66.3 0.0 141.4

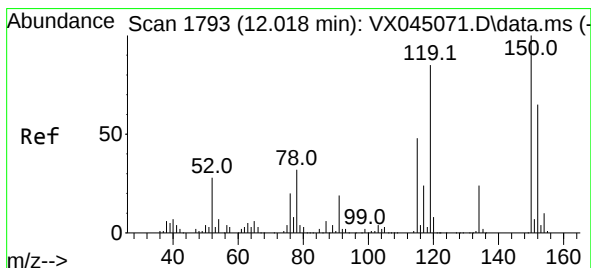
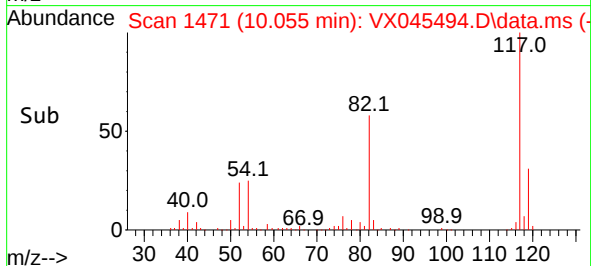
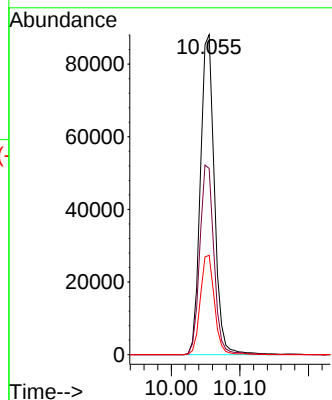
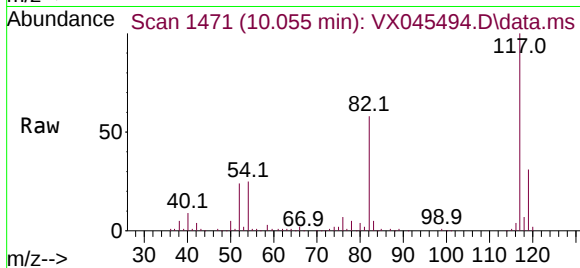




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

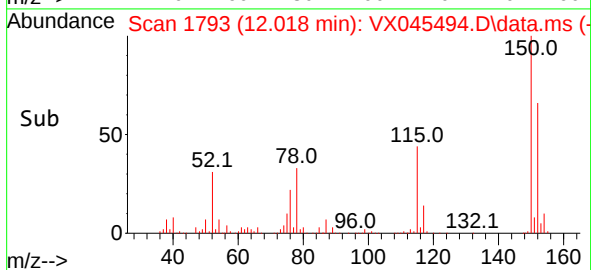
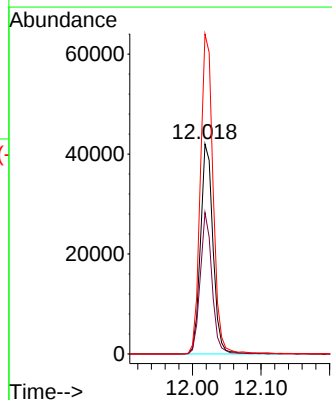
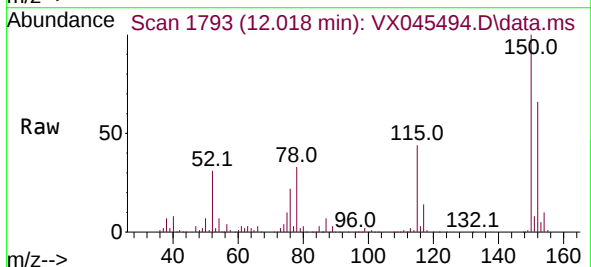
Instrument :
MSVOA_X
ClientSampleId :
TP-6

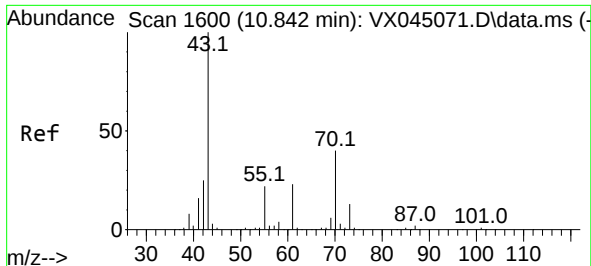
Tgt Ion:117 Resp: 125712
Ion Ratio Lower Upper
117 100
82 58.2 46.3 69.5
119 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion:152 Resp: 53443
Ion Ratio Lower Upper
152 100
115 63.5 44.2 132.6
150 155.8 0.0 349.0

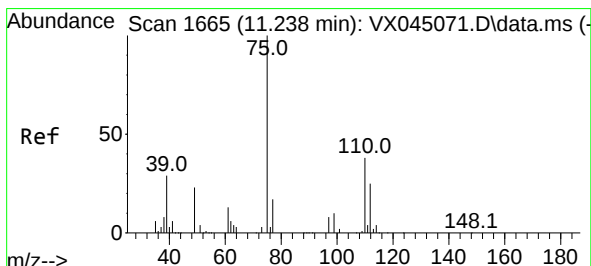
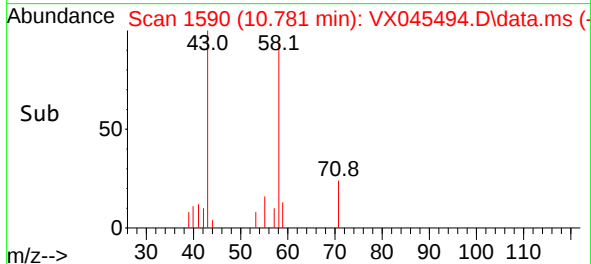
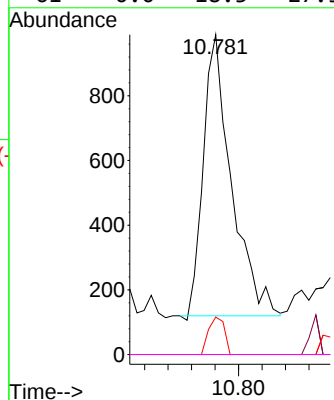
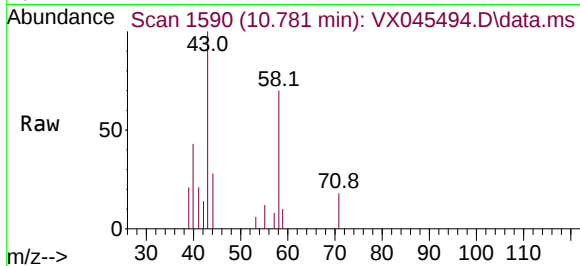




#74
N-amy1 acetate
Concen: 0.737 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

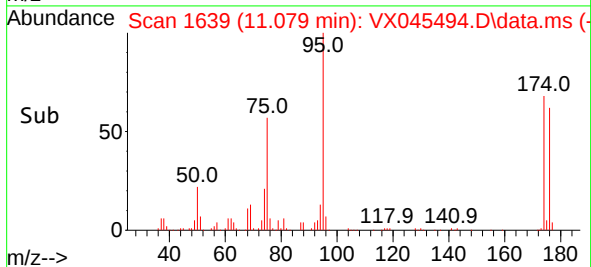
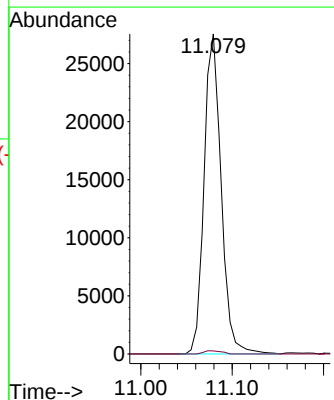
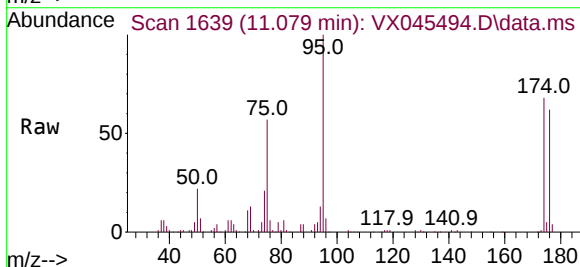
Instrument :
MSVOA_X
ClientSampleId :
TP-6

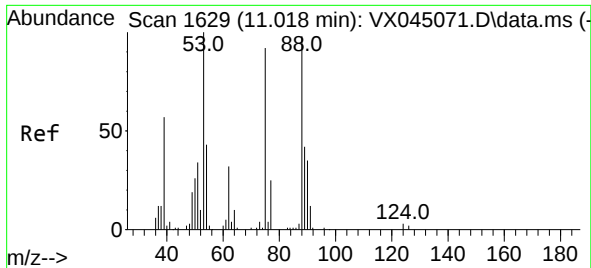
Tgt Ion:	43	Resp:	1442
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.8	47.6#
55	7.5	18.3	27.5#
61	0.0	18.3	27.5#



#76
1,2,3-Trichloropropane
Concen: 28.698 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion:	75	Resp:	35697
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.7	62.1#

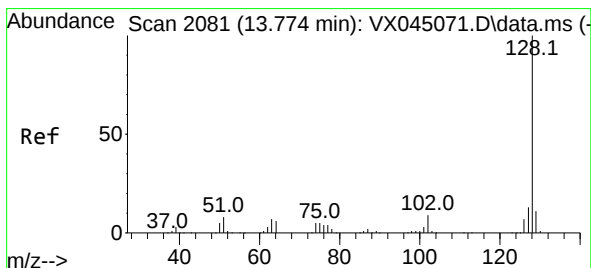
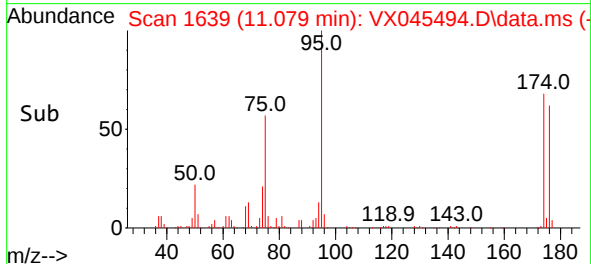
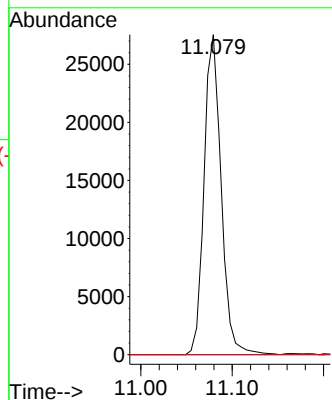
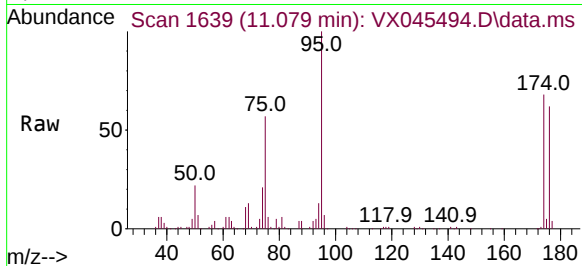




#81
trans-1,4-Dichloro-2-butene
Concen: 98.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Instrument :
MSVOA_X
ClientSampleId :
TP-6

Tgt Ion: 75 Resp: 35697
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 0.270 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045494.D
Acq: 27 Mar 2025 21:46

Tgt Ion:128 Resp: 1041
Ion Ratio Lower Upper
128 100
127 10.4 10.3 15.5
129 9.6 8.7 13.1

