

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045481.D
 Acq On : 27 Mar 2025 16:44
 Operator : JC/MD
 Sample : P167330ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#05

Quant Time: Mar 28 01:36:18 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)

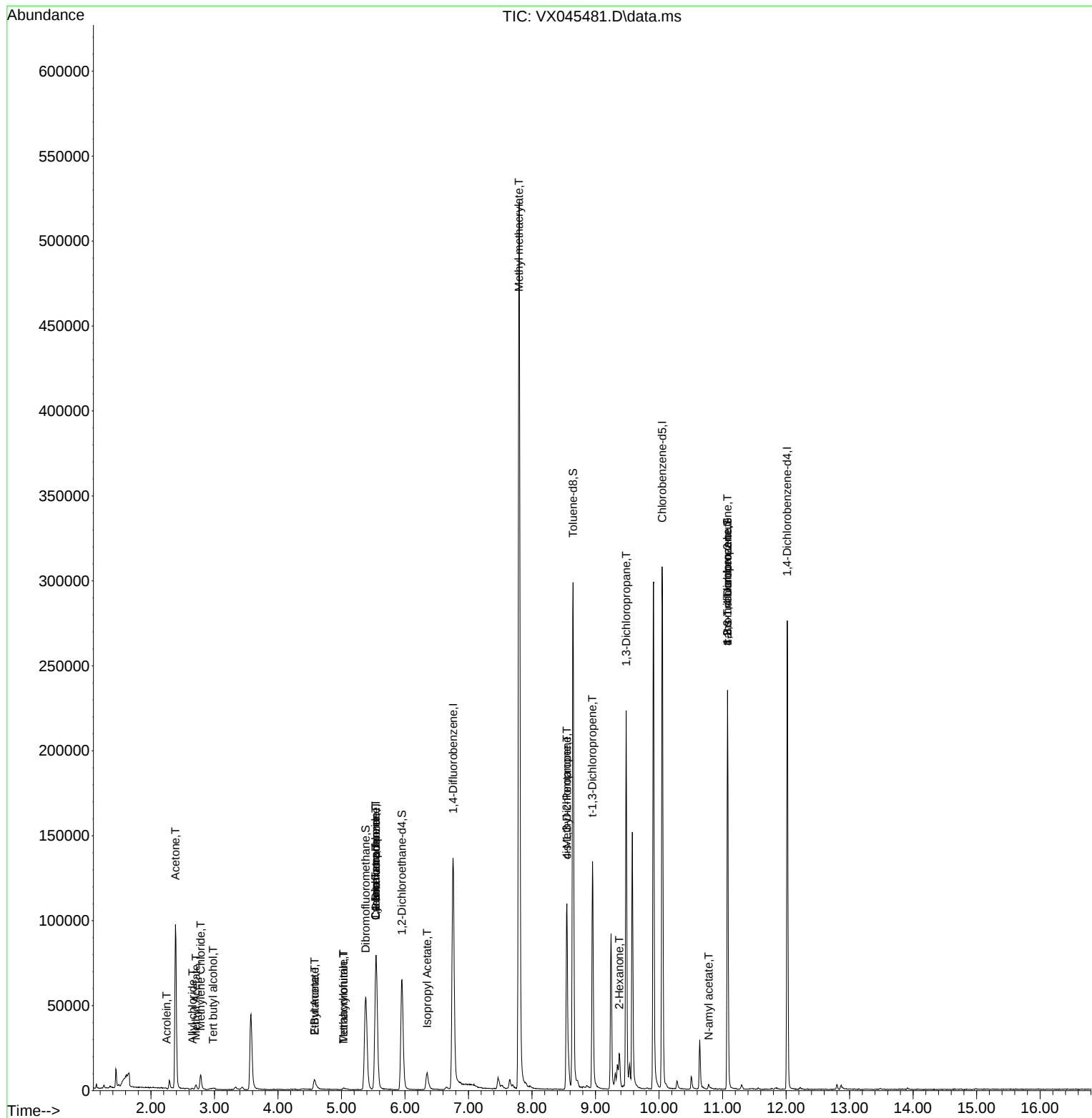
Internal Standards						
1) Pentafluorobenzene	5.544	168	68259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63902	58.855	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.700%			
35) Dibromofluoromethane	5.379	113	47515	52.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%			
50) Toluene-d8	8.647	98	173180	52.903	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.800%			
62) 4-Bromofluorobenzene	11.079	95	58874	54.274	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.540%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	1211	5.888	ug/l #	73
13) Acrolein	2.245	56	133	0.559	ug/l #	30
14) Allyl chloride	2.654	41	398	0.267	ug/l #	66
16) Acetone	2.386	43	108463	215.307	ug/l	97
18) Methyl Acetate	2.709	43	3504	2.891	ug/l	97
20) Methylene Chloride	2.782	84	3986	3.994	ug/l	91
25) 2-Butanone	4.574	43	11771	15.523	ug/l	95
29) Tetrahydrofuran	5.032	42	500	0.982	ug/l #	82
31) Cyclohexane	5.538	56	2019	1.367	ug/l #	59
36) 1,1-Dichloropropene	5.538	75	6579	5.313	ug/l #	50
37) Ethyl Acetate	4.574	43	11771	7.377	ug/l #	70
38) Carbon Tetrachloride	5.538	117	7744	6.160	ug/l #	16
41) Methacrylonitrile	5.032	41	552	0.640	ug/l #	47
43) Isopropyl Acetate	6.348	43	14323	6.070	ug/l	100
48) Methyl methacrylate	7.793	41	52881	44.673	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	48354	30.521	ug/l #	46
53) t-1,3-Dichloropropene	8.952	75	262	0.225	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16758	12.333	ug/l #	74
57) 1,3-Dichloropropane	9.482	76	1814	1.110	ug/l #	43
59) 2-Hexanone	9.372	43	17489	15.236	ug/l #	26
74) N-amyl acetate	10.781	43	2071	1.124	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	34116	29.141	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34116	99.727	ug/l #	6

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

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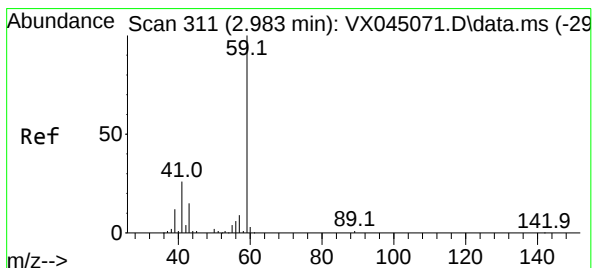
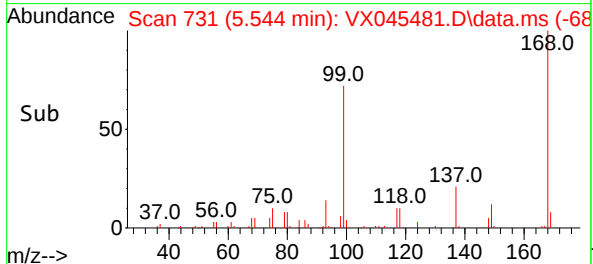
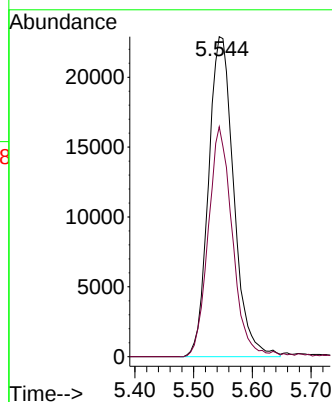
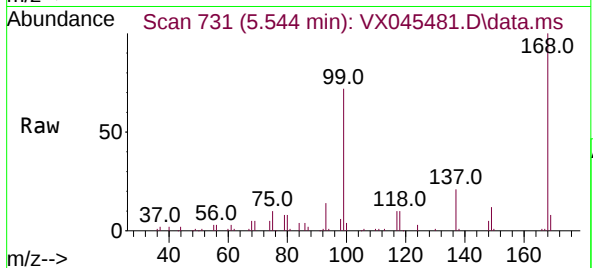




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

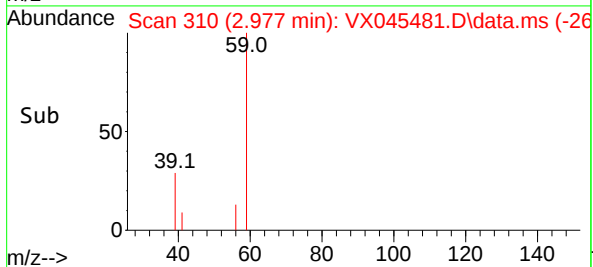
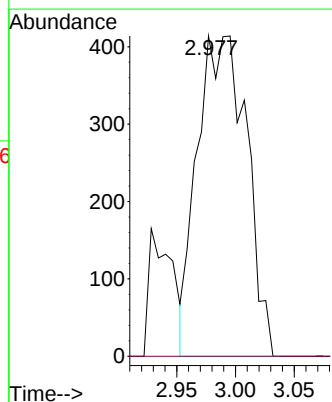
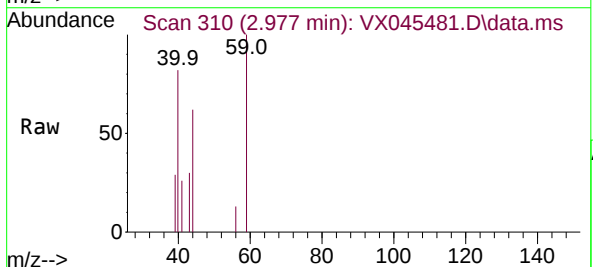
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

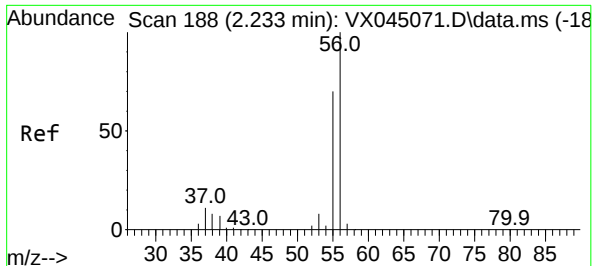
Tgt Ion:168 Resp: 68259
Ion Ratio Lower Upper
168 100
99 71.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 5.888 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion: 59 Resp: 1211
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.559 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX045481.D

Acq: 27 Mar 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

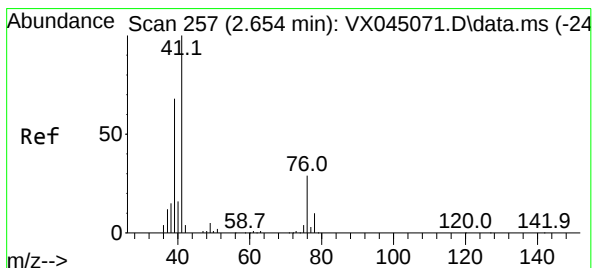
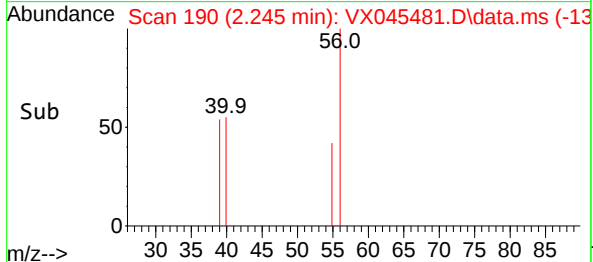
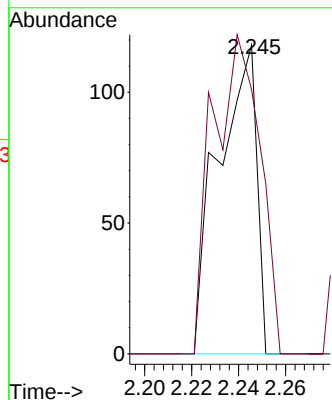
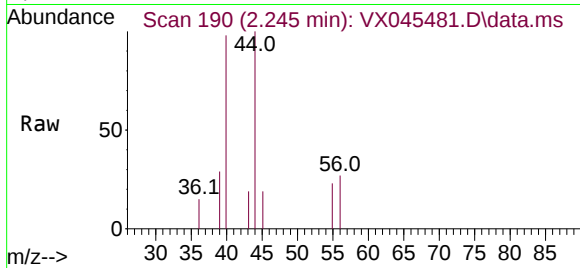
P167330ZHE#05

Tgt Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 127.8 56.2 84.4#



#14

Allyl chloride

Concen: 0.267 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045481.D

Acq: 27 Mar 2025 16:44

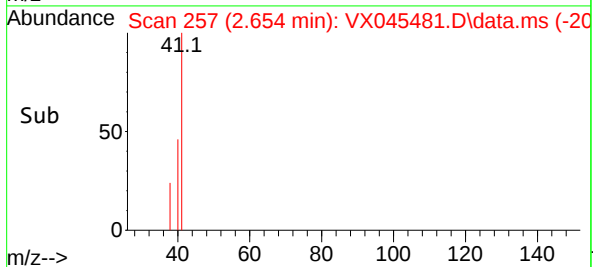
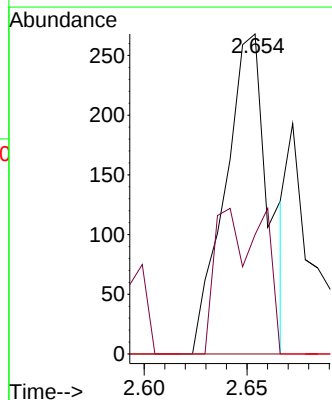
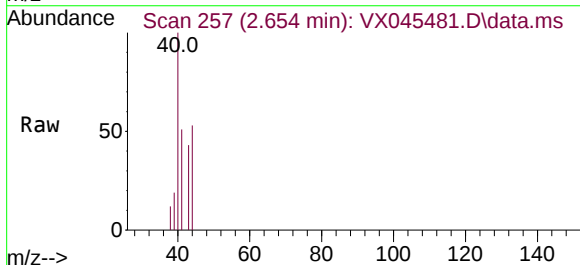
Tgt Ion: 41 Resp: 398

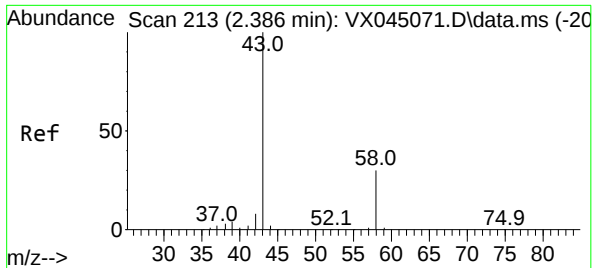
Ion Ratio Lower Upper

41 100

39 49.0 53.8 80.8#

76 0.0 25.2 37.8#

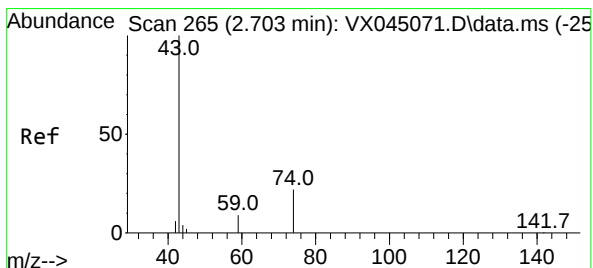
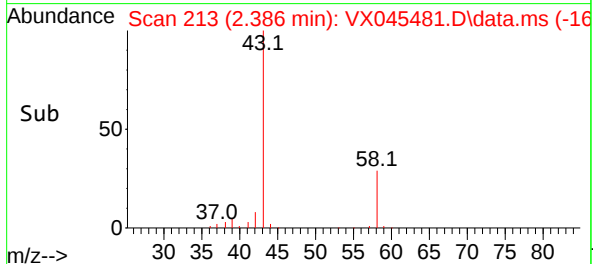
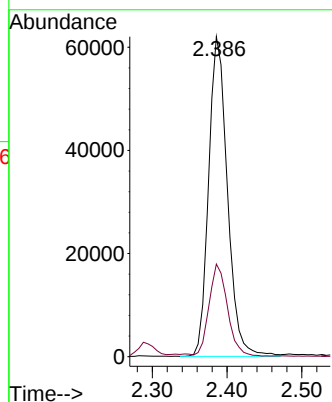
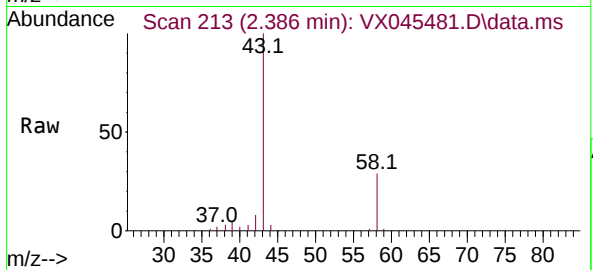




#16
Acetone
Concen: 215.307 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

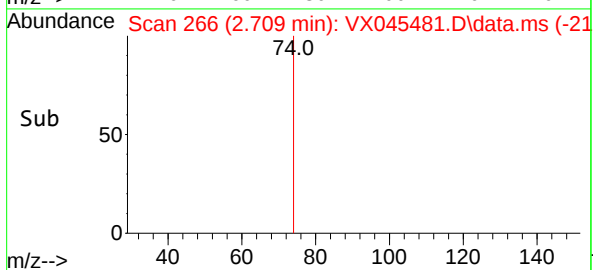
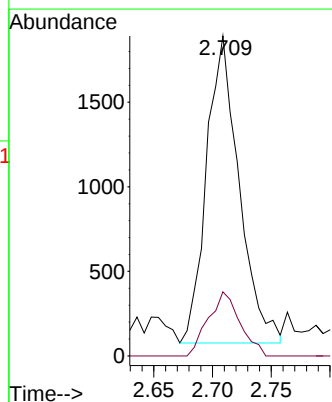
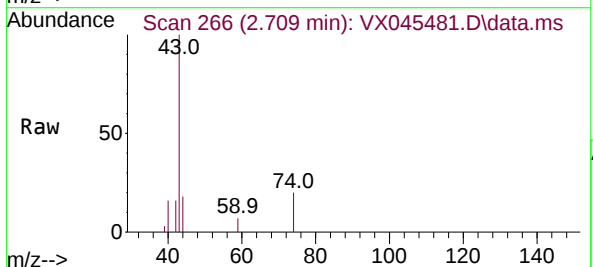
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

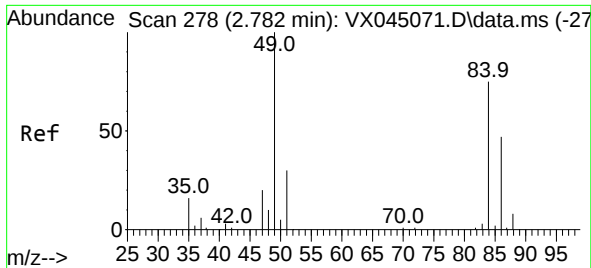
Tgt Ion: 43 Resp: 108463
Ion Ratio Lower Upper
43 100
58 28.7 24.2 36.4



#18
Methyl Acetate
Concen: 2.891 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

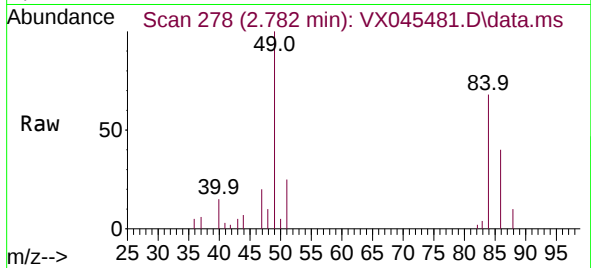
Tgt Ion: 43 Resp: 3504
Ion Ratio Lower Upper
43 100
74 20.3 17.4 26.2



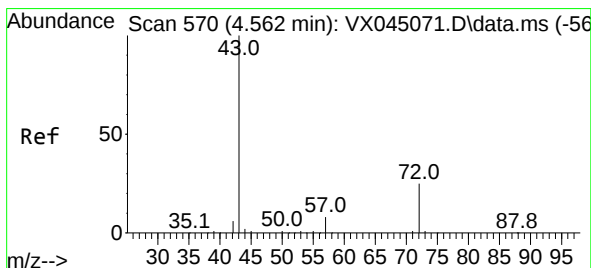
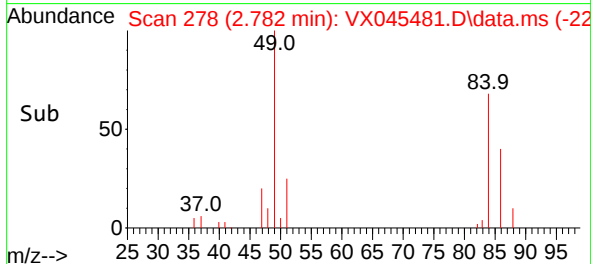
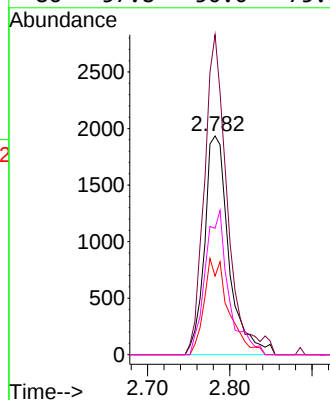


#20
Methylene Chloride
Concen: 3.994 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

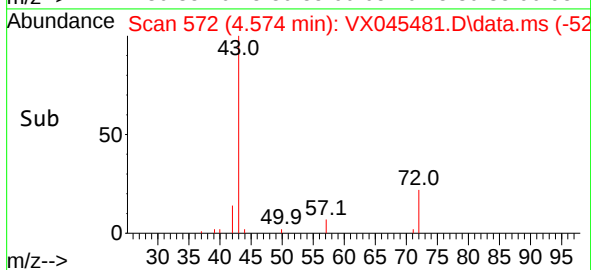
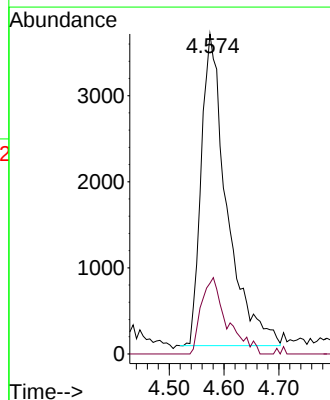
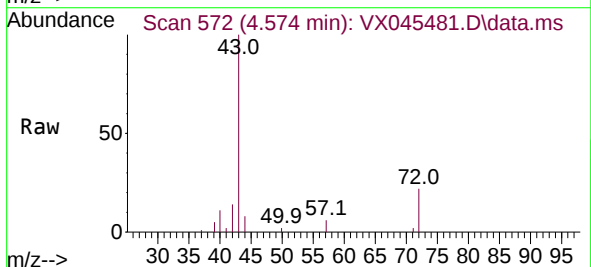


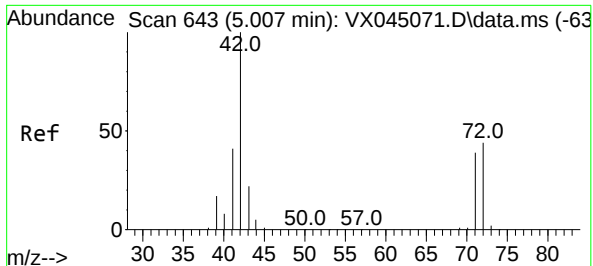
Tgt Ion:	84	Resp:	3986
Ion	Ratio	Lower	Upper
84	100		
49	146.3	106.5	159.7
51	35.9	32.1	48.1
86	57.8	50.0	75.0



#25
2-Butanone
Concen: 15.523 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion:	43	Resp:	11771
Ion	Ratio	Lower	Upper
43	100		
72	22.7	20.0	30.0





#29

Tetrahydrofuran

Concen: 0.982 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX045481.D

Acq: 27 Mar 2025 16:44

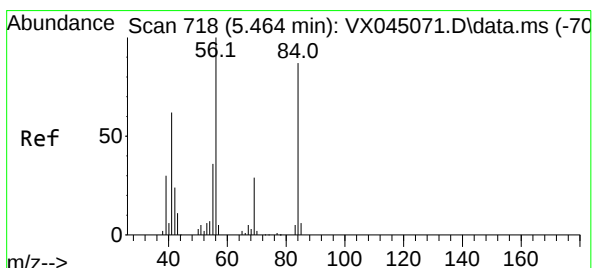
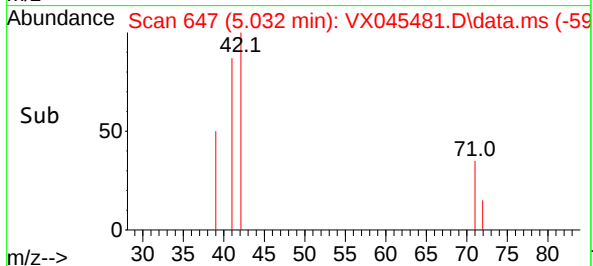
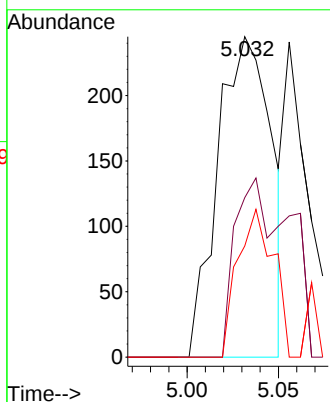
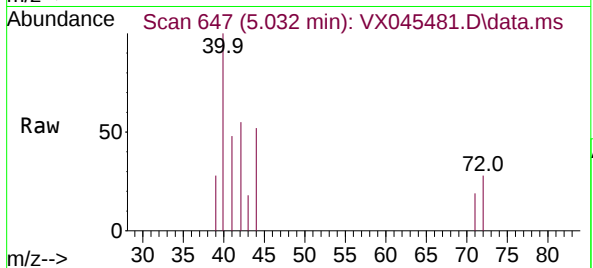
Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#05

Tgt Ion:	42	Resp:	500
Ion	Ratio	Lower	Upper
42	100		
72	56.2	34.1	51.1#
71	31.0	31.4	47.0#



#31

Cyclohexane

Concen: 1.367 ug/l

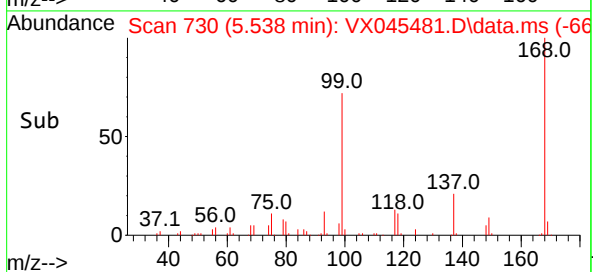
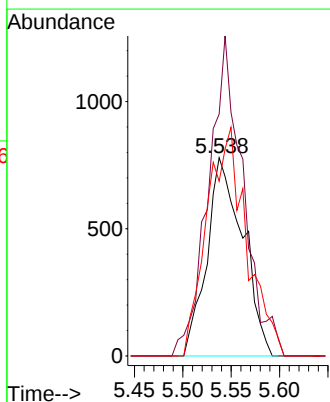
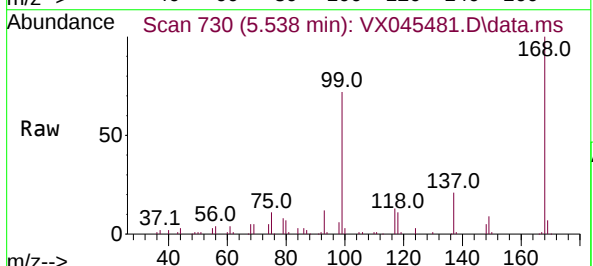
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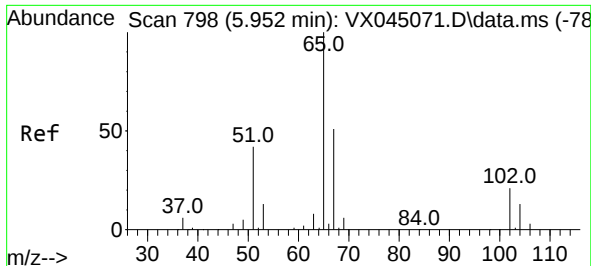
Delta R.T. 0.073 min

Lab File: VX045481.D

Acq: 27 Mar 2025 16:44

Tgt Ion:	56	Resp:	2019
Ion	Ratio	Lower	Upper
56	100		
69	114.0	23.4	35.2#
84	88.2	69.4	104.2

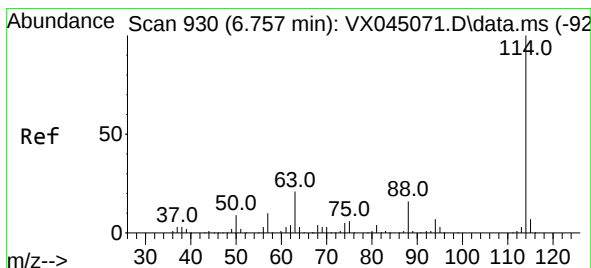
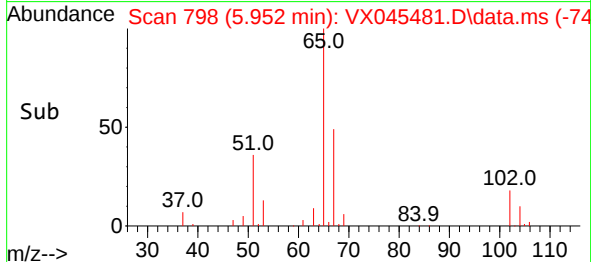
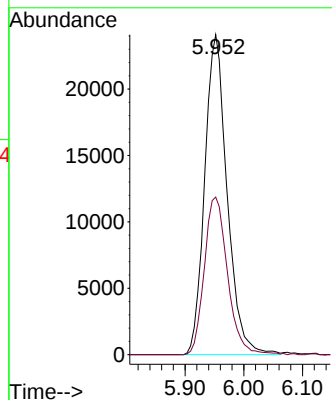
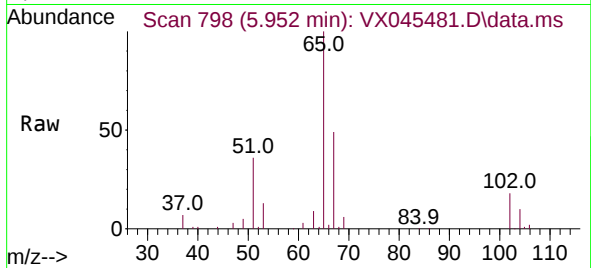




#33
1,2-Dichloroethane-d4
Concen: 58.855 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

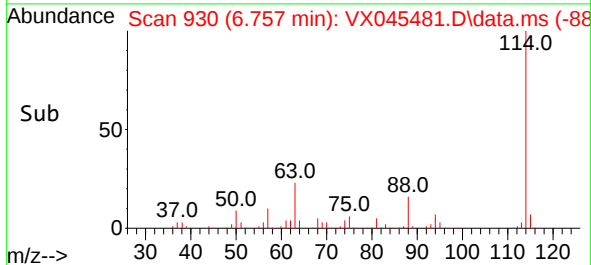
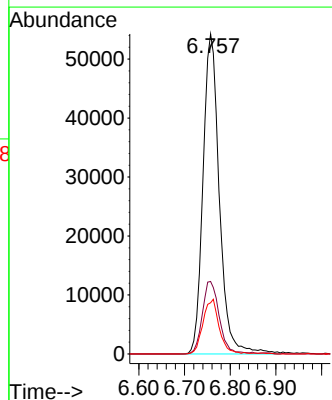
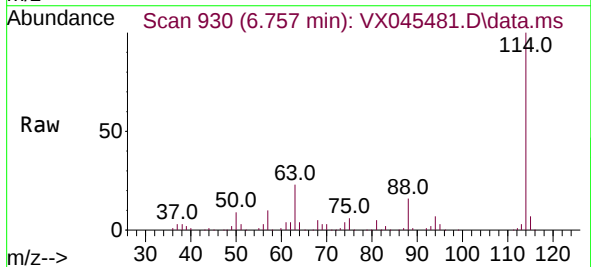
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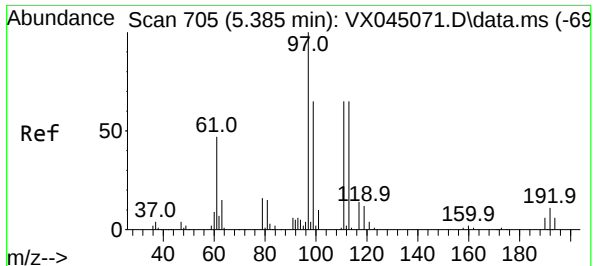
Tgt Ion: 65 Resp: 63902
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion: 114 Resp: 135037
Ion Ratio Lower Upper
114 100
63 22.7 0.0 41.8
88 16.0 0.0 32.8

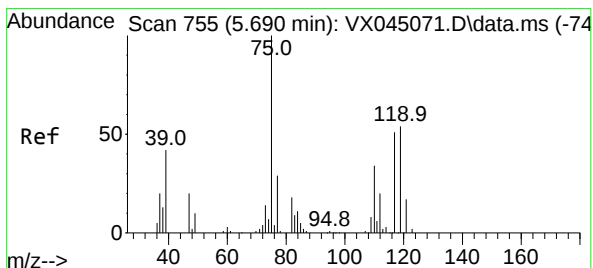
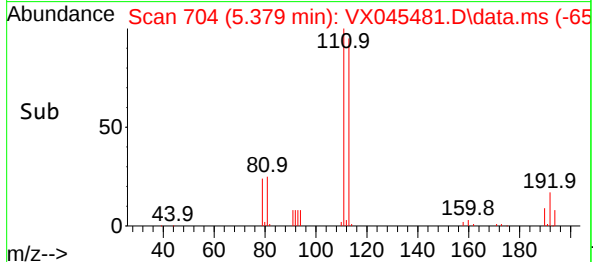
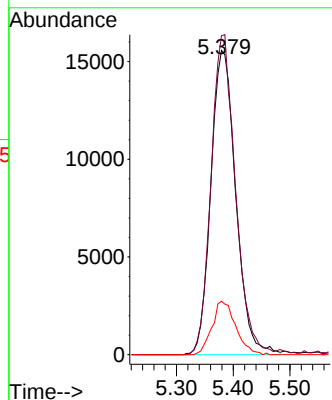
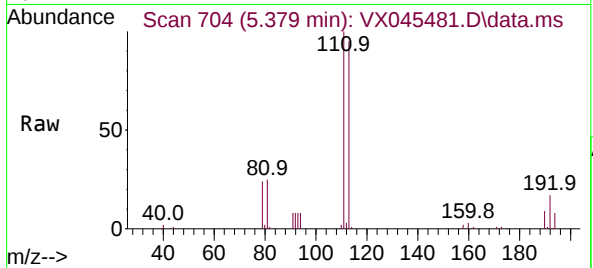




#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

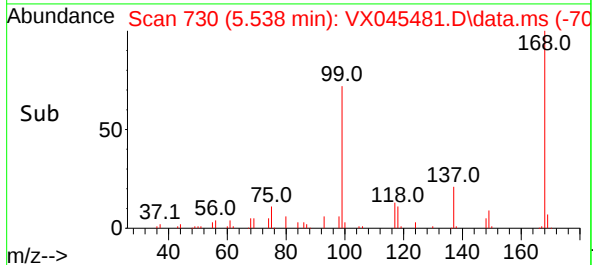
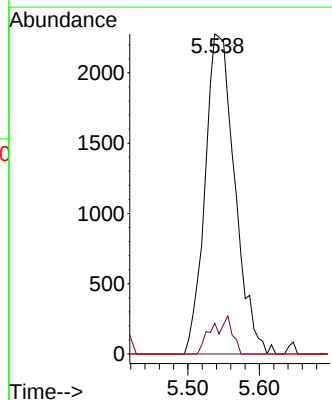
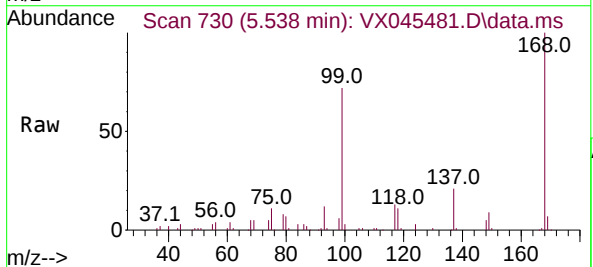
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

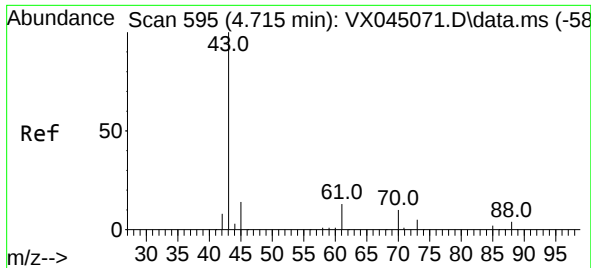
Tgt Ion:113 Resp: 47515
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.313 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion: 75 Resp: 6579
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 7.377 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX045481.D

Acq: 27 Mar 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#05

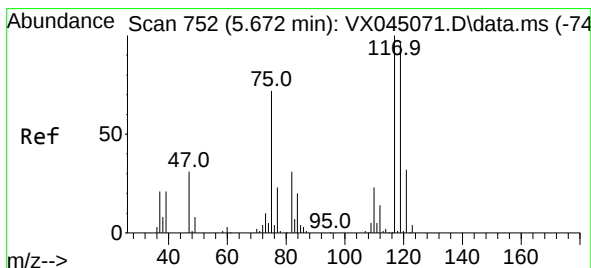
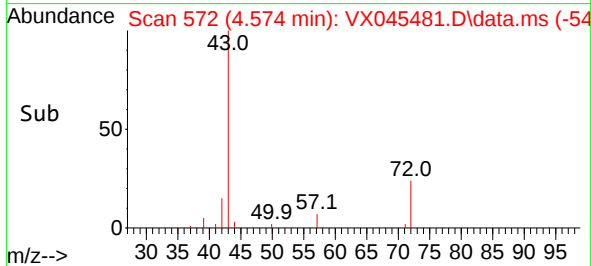
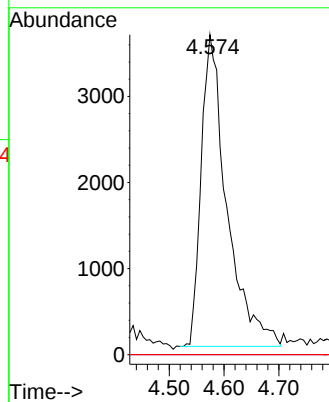
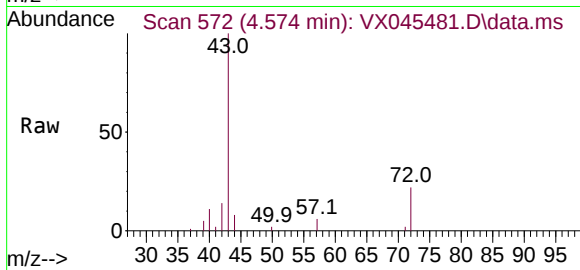
Tgt Ion: 43 Resp: 11771

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 7.7 11.5#



#38

Carbon Tetrachloride

Concen: 6.160 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045481.D

Acq: 27 Mar 2025 16:44

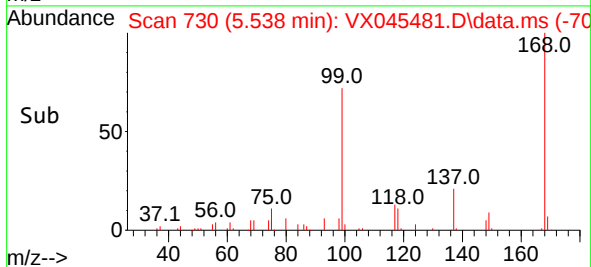
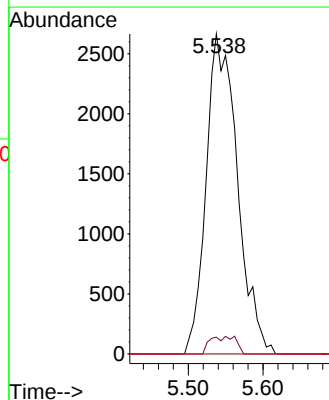
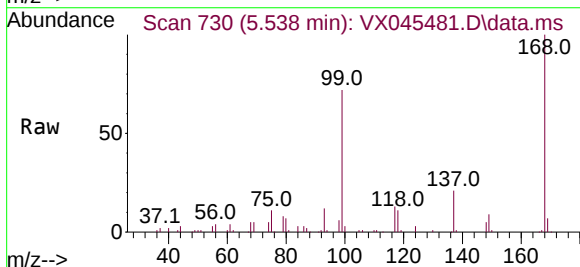
Tgt Ion: 117 Resp: 7744

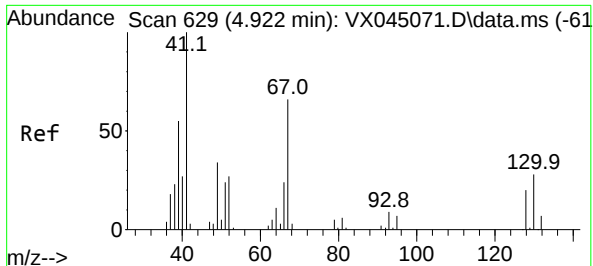
Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

121 0.0 25.5 38.3#

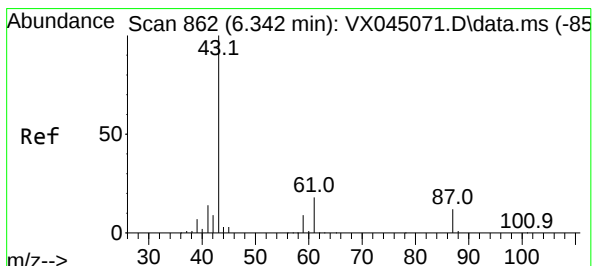
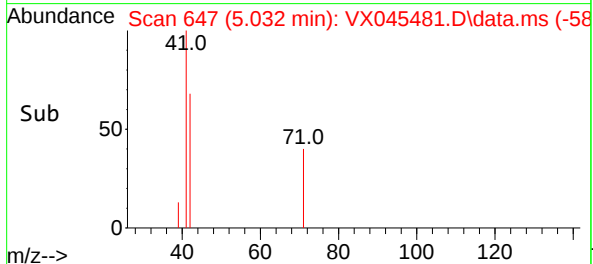
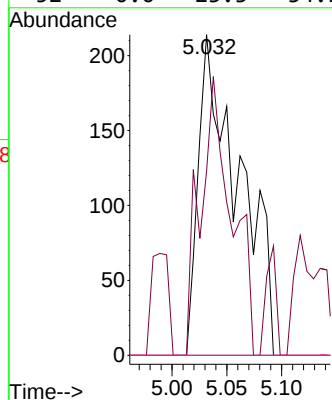
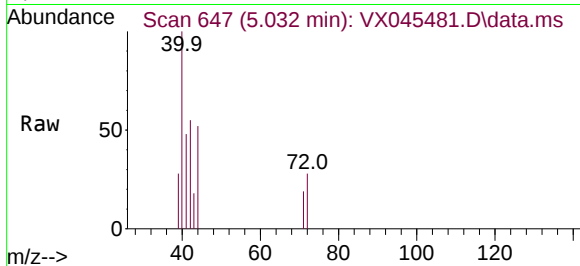




#41
Methacrylonitrile
Concen: 0.640 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

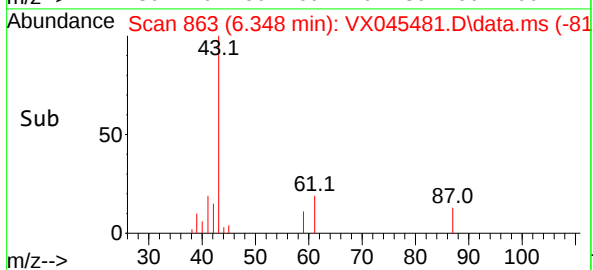
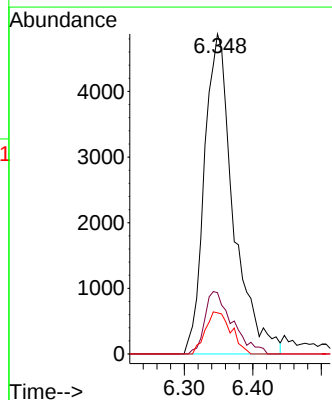
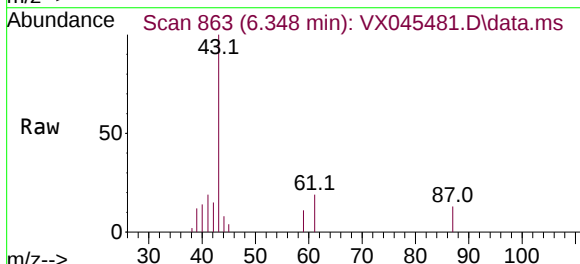
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

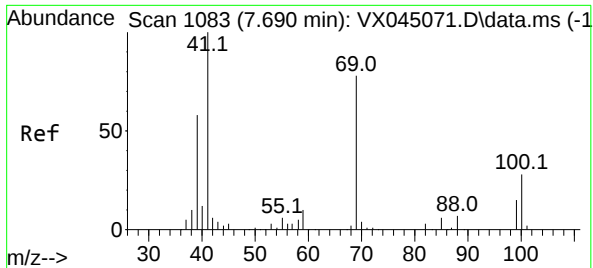
Tgt Ion:	41	Resp:	552
Ion	Ratio	Lower	Upper
41	100		
39	67.0	44.6	67.0#
67	0.0	53.9	80.9#
52	0.0	23.3	34.9#



#43
Isopropyl Acetate
Concen: 6.070 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion:	43	Resp:	14323
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	11.7	9.4	14.2

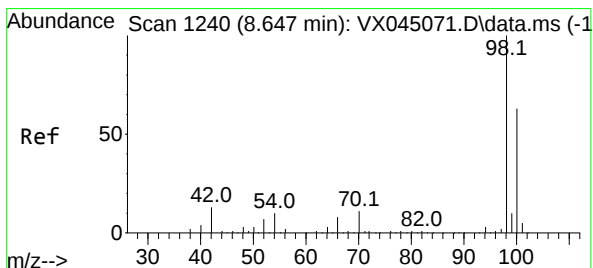
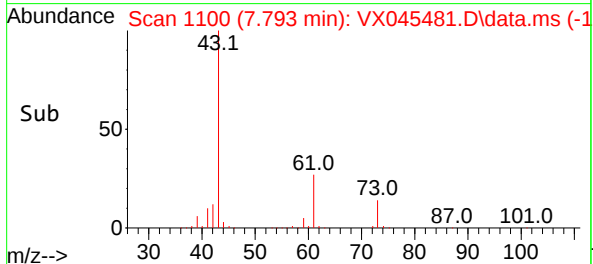
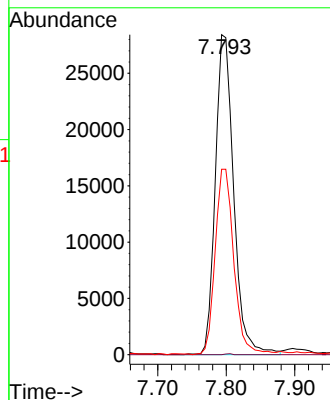
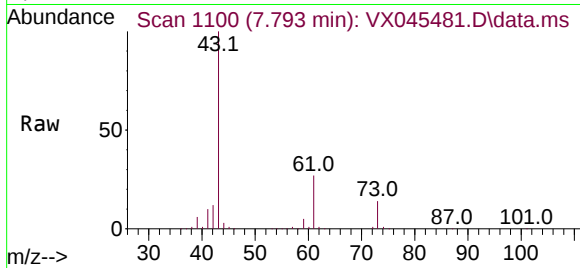




#48
Methyl methacrylate
Concen: 44.673 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

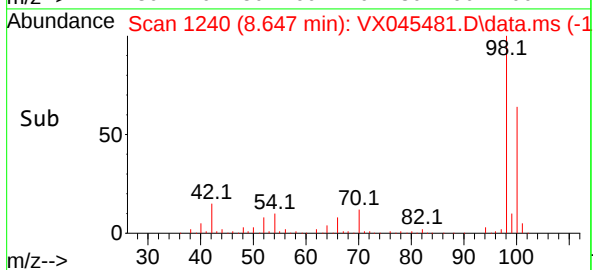
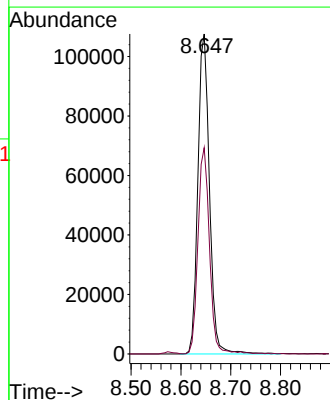
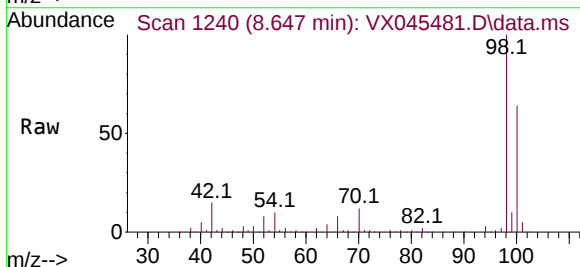
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

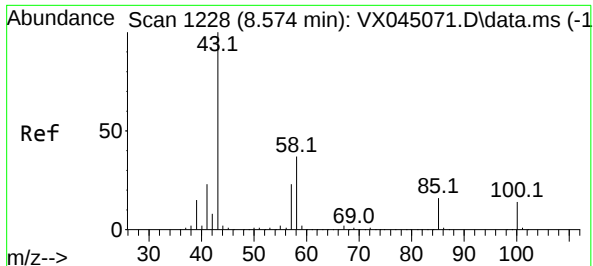
Tgt Ion: 41 Resp: 52881
Ion Ratio Lower Upper
41 100
69 0.1 63.0 94.6#
39 59.0 47.5 71.3



#50
Toluene-d8
Concen: 52.903 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion: 98 Resp: 173180
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

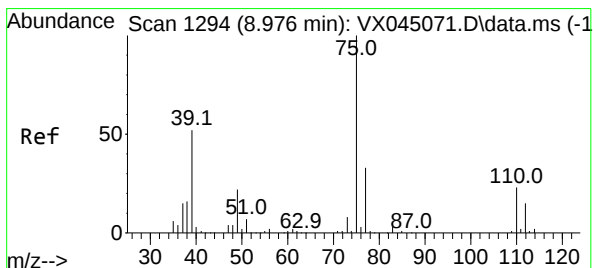
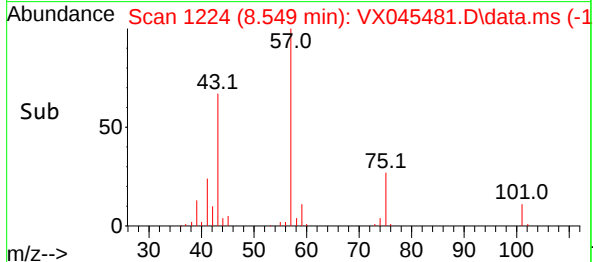
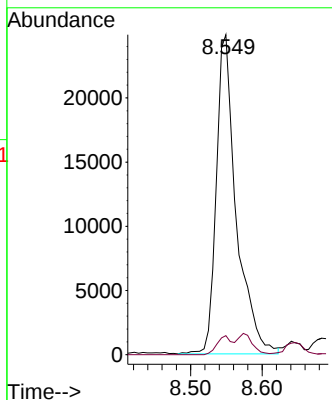
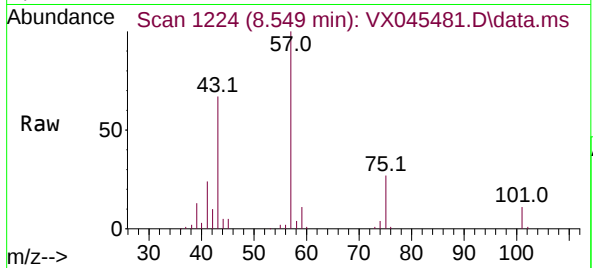




#51
4-Methyl-2-Pentanone
Concen: 30.521 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

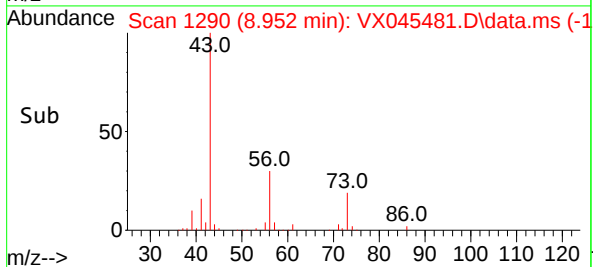
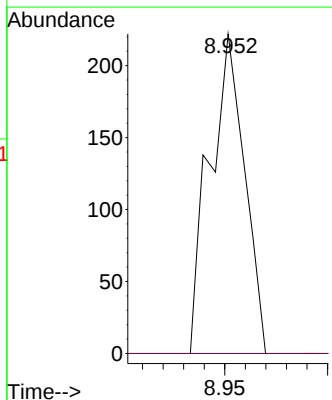
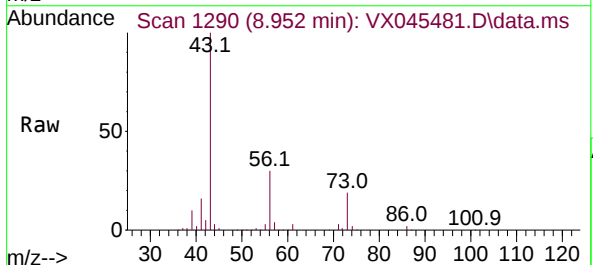
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

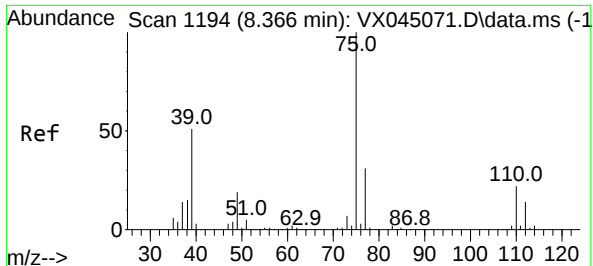
Tgt Ion: 43 Resp: 48354
Ion Ratio Lower Upper
43 100
58 4.6 29.2 43.8#



#53
t-1,3-Dichloropropene
Concen: 0.225 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
77 0.0 26.5 39.7#

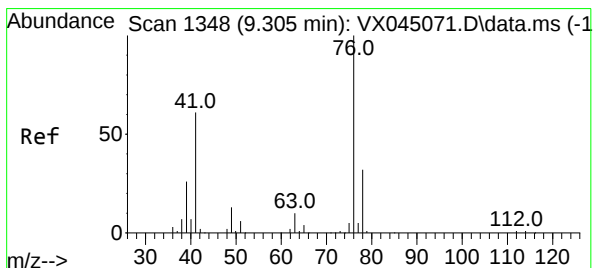
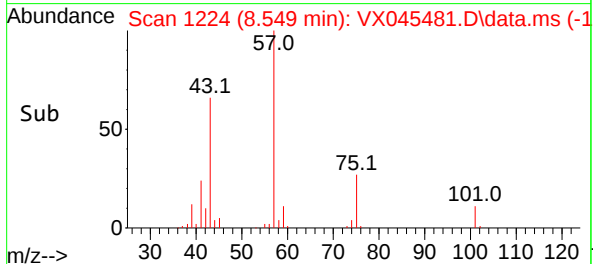
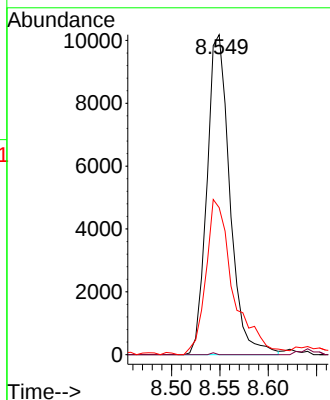
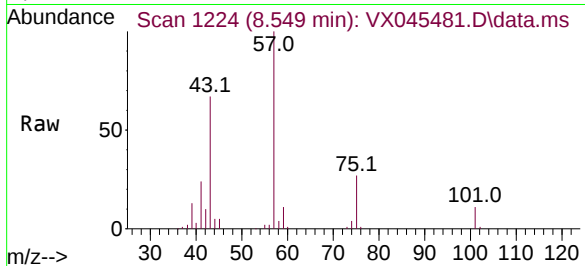




#54
 cis-1,3-Dichloropropene
 Concen: 12.333 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045481.D
 Acq: 27 Mar 2025 16:44

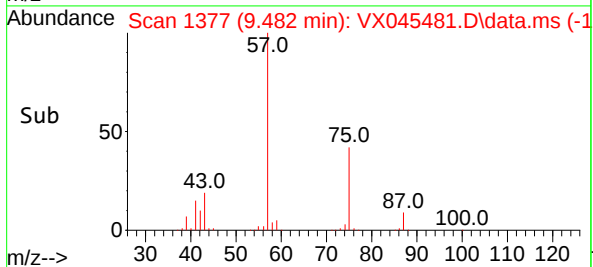
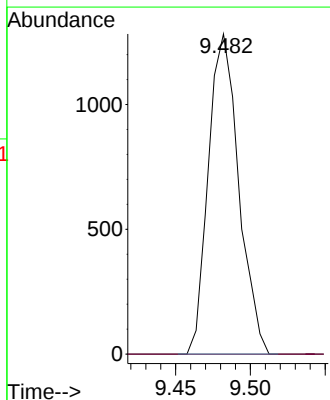
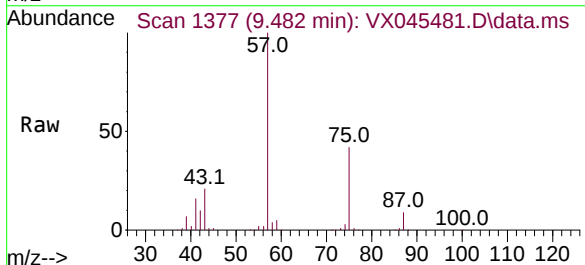
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#05

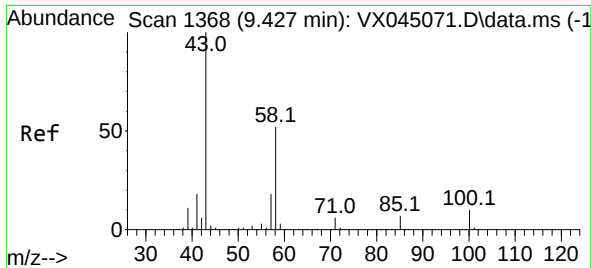
Tgt Ion: 75 Resp: 16758
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 46.0 40.7 61.1



#57
 1,3-Dichloropropane
 Concen: 1.110 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045481.D
 Acq: 27 Mar 2025 16:44

Tgt Ion: 76 Resp: 1814
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

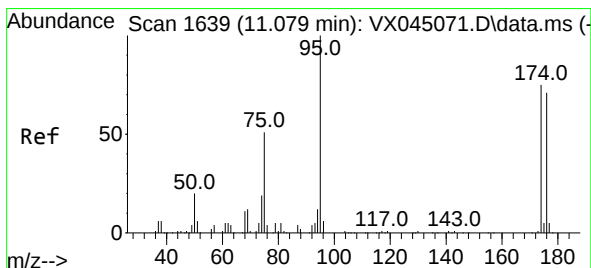
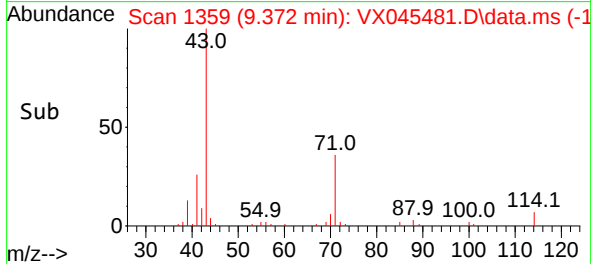
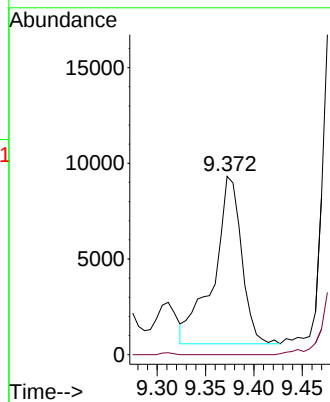
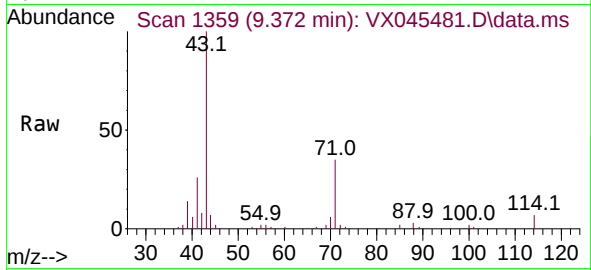




#59
2-Hexanone
Concen: 15.236 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

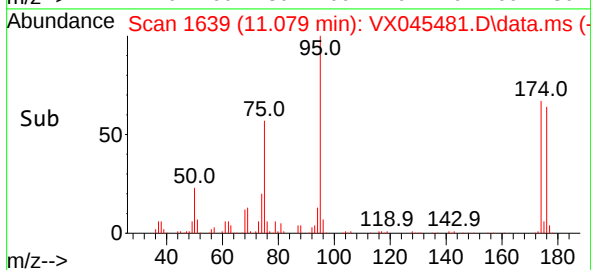
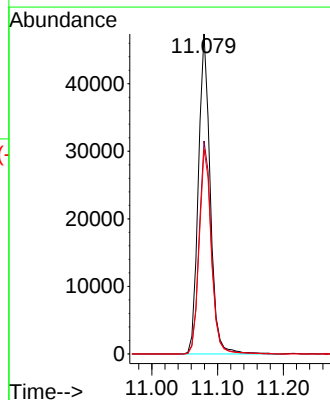
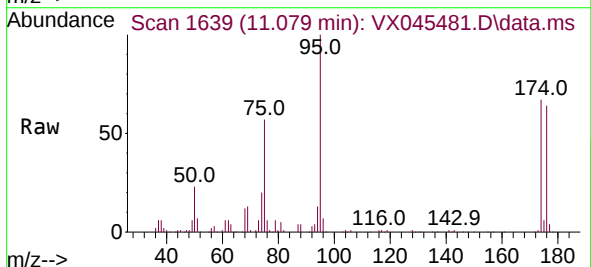
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

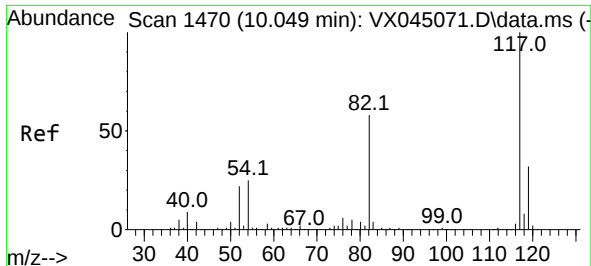
Tgt Ion: 43 Resp: 17489
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 54.274 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion: 95 Resp: 58874
Ion Ratio Lower Upper
95 100
174 68.7 0.0 148.2
176 65.4 0.0 141.4

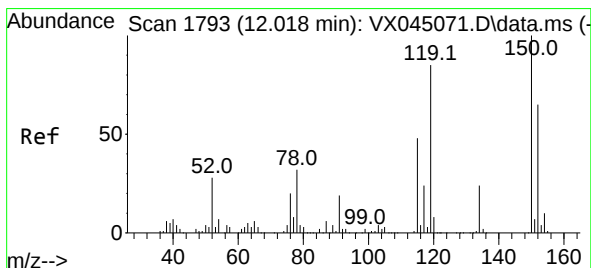
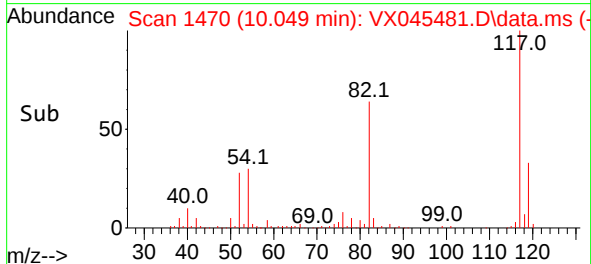
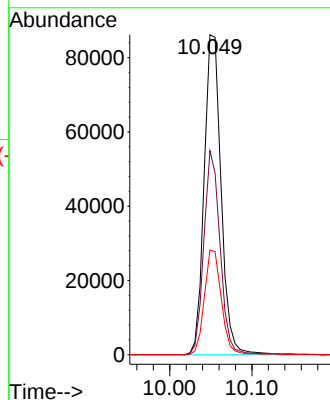
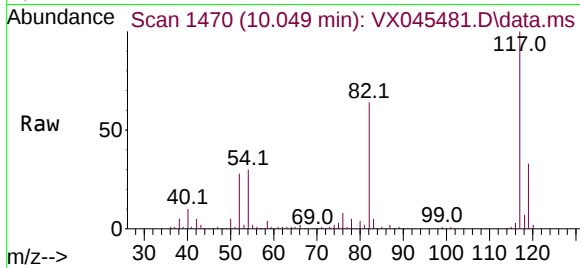




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

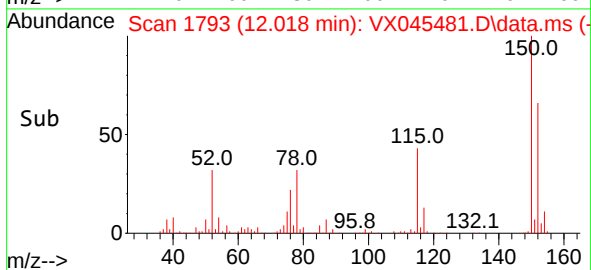
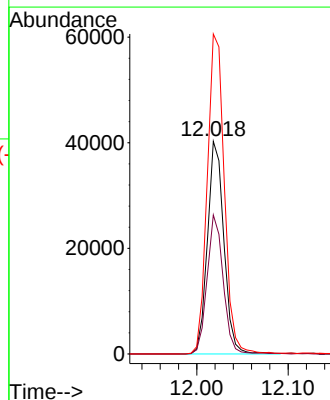
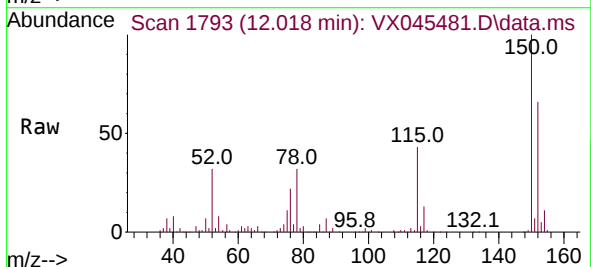
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

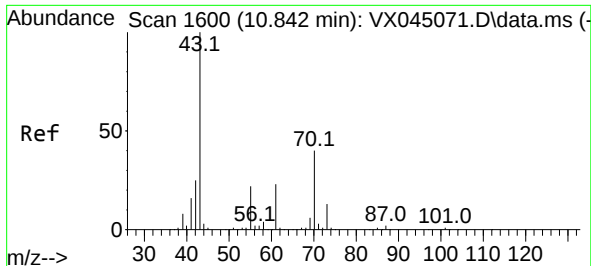
Tgt Ion:117 Resp: 123549
Ion Ratio Lower Upper
117 100
82 63.7 46.3 69.5
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Tgt Ion:152 Resp: 50299
Ion Ratio Lower Upper
152 100
115 64.0 44.2 132.6
150 156.2 0.0 349.0

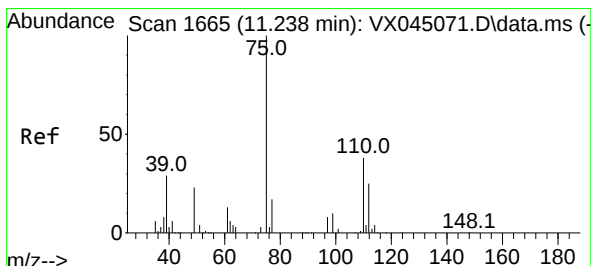
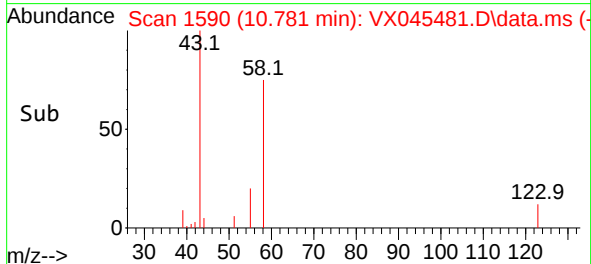
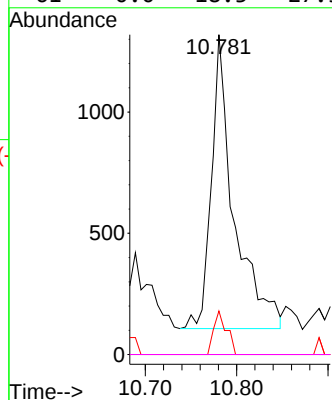
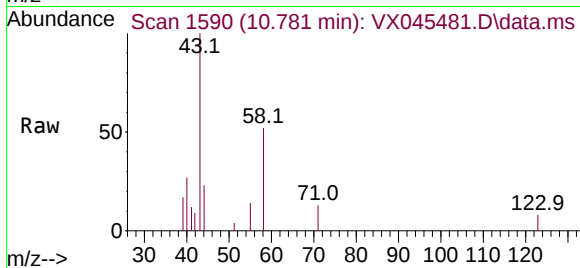




#74
N-amy1 acetate
Concen: 1.124 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

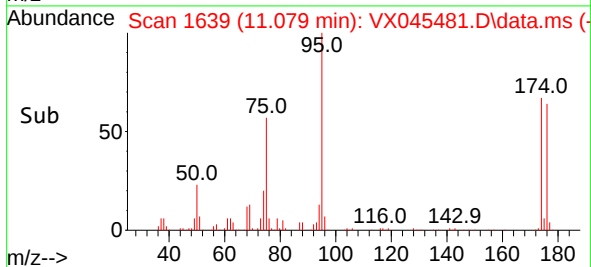
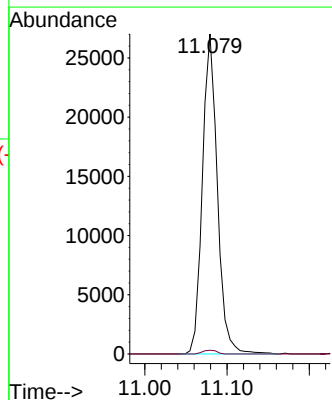
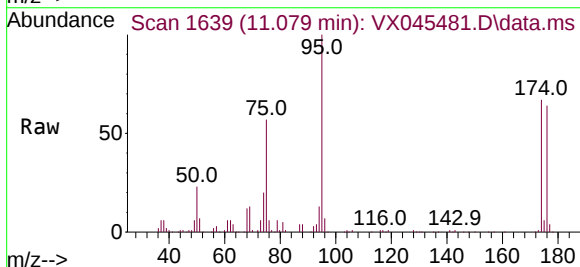
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05

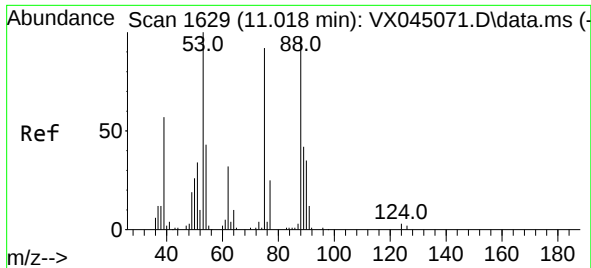
Tgt Ion: 43	Resp: 2071
Ion Ratio	Lower Upper
43	100
70	0.0 31.8 47.6#
55	8.5 18.3 27.5#
61	0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 29.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

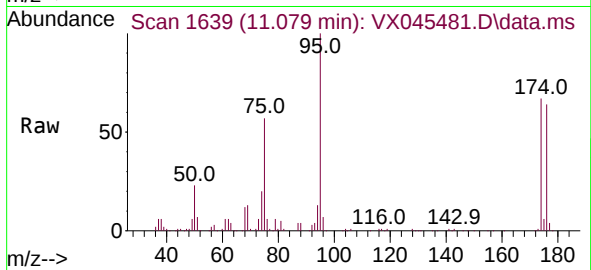
Tgt Ion: 75	Resp: 34116
Ion Ratio	Lower Upper
75	100
77	1.1 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 99.727 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045481.D
Acq: 27 Mar 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#05



Tgt Ion: 75 Resp: 34116
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

