

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045479.D
 Acq On : 27 Mar 2025 15:57
 Operator : JC/MD
 Sample : P167330ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#03

Quant Time: Mar 28 01:35:52 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)

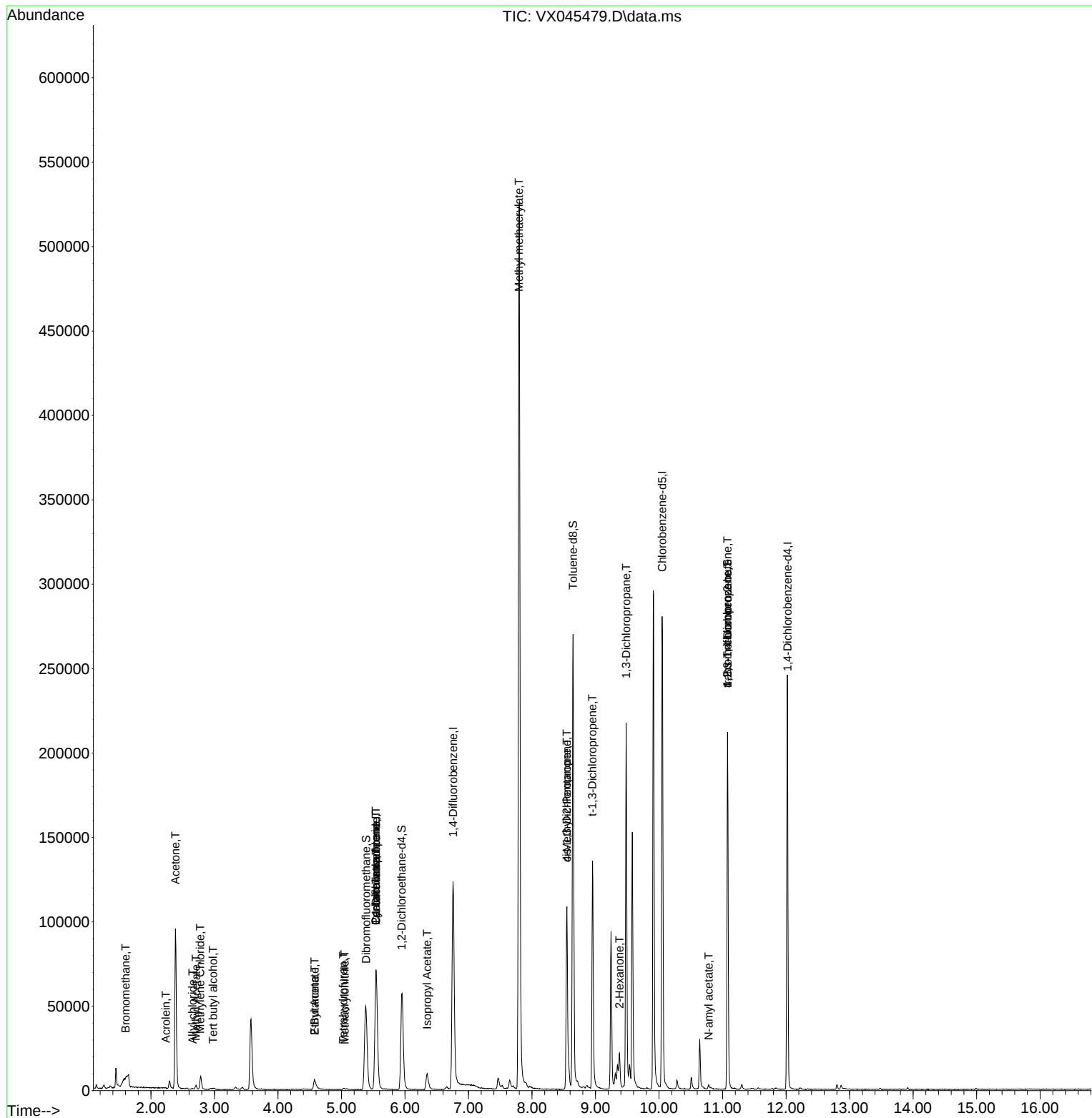
Internal Standards						
1) Pentafluorobenzene	5.544	168	61279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57700	59.196	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 118.400%		
35) Dibromofluoromethane	5.385	113	43093	53.730	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.460%		
50) Toluene-d8	8.647	98	154630	53.180	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.360%		
62) 4-Bromofluorobenzene	11.079	95	55018	57.102	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 114.200%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	124	0.337	ug/l #	3
11) Tert butyl alcohol	2.977	59	1438	7.789	ug/l #	77
13) Acrolein	2.233	56	262	1.228	ug/l #	28
14) Allyl chloride	2.654	41	536	0.400	ug/l #	25
16) Acetone	2.386	43	104490	231.047	ug/l	96
18) Methyl Acetate	2.709	43	2731	2.510	ug/l	93
20) Methylene Chloride	2.776	84	3512	3.920	ug/l	97
25) 2-Butanone	4.574	43	11310	16.614	ug/l	95
29) Tetrahydrofuran	5.026	42	532	1.164	ug/l #	82
31) Cyclohexane	5.544	56	1979	1.492	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	5852	5.320	ug/l #	50
37) Ethyl Acetate	4.574	43	11310	7.980	ug/l #	70
38) Carbon Tetrachloride	5.544	117	6986	6.256	ug/l #	16
41) Methacrylonitrile	5.050	41	456	0.595	ug/l #	42
43) Isopropyl Acetate	6.348	43	13808	6.588	ug/l	96
48) Methyl methacrylate	7.793	41	50999	48.504	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	46037	32.715	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	223	0.215	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16270	13.480	ug/l #	74
57) 1,3-Dichloropropane	9.482	76	1730	1.192	ug/l #	43
59) 2-Hexanone	9.378	43	17145	16.816	ug/l #	26
74) N-amyl acetate	10.781	43	2047	1.213	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	31235	29.133	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31235	99.697	ug/l #	6

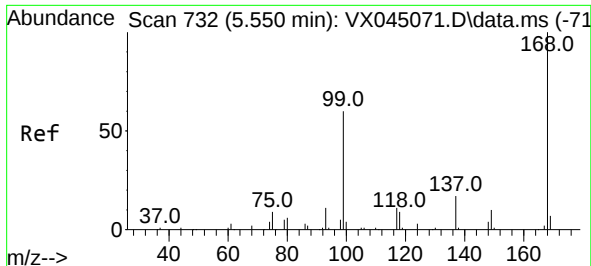
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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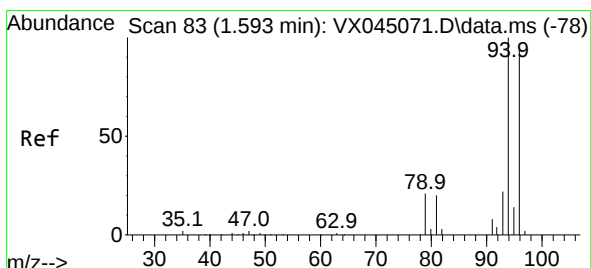
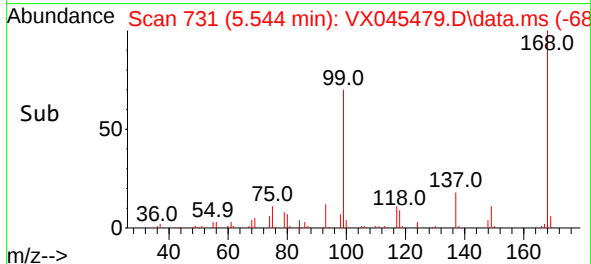
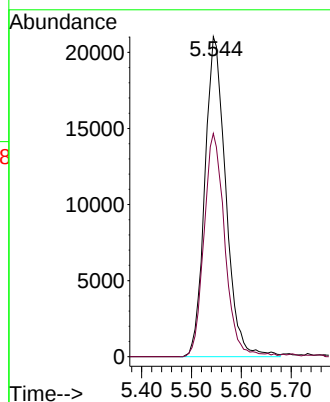
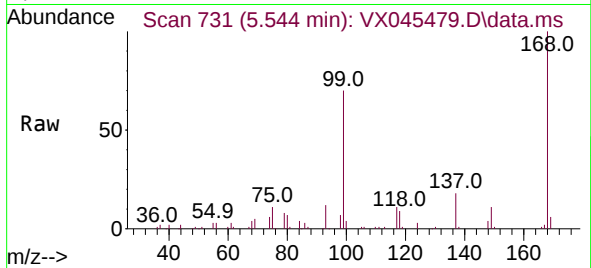




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

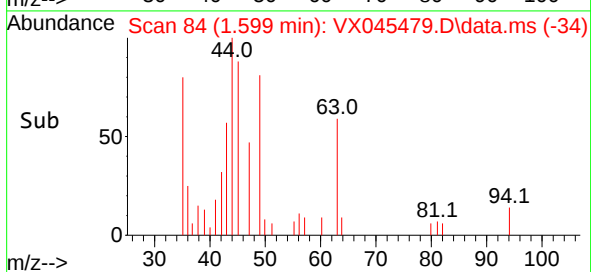
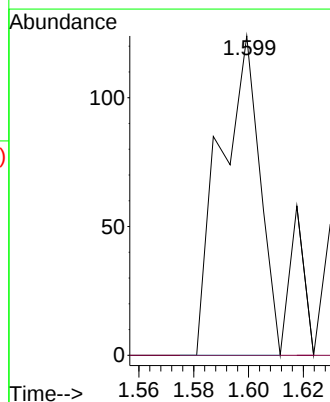
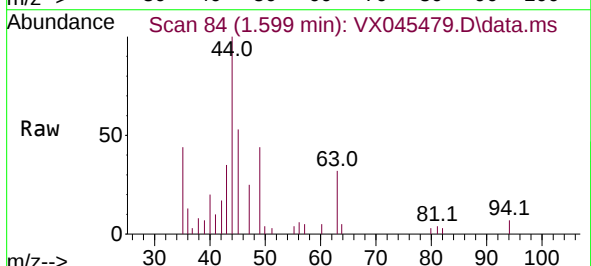
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03

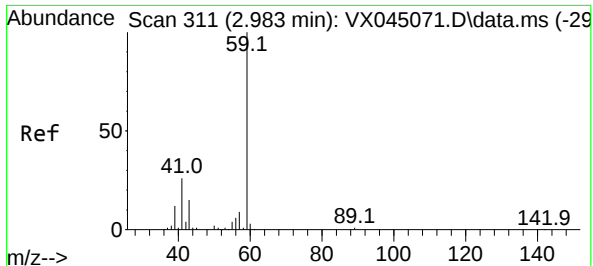
Tgt Ion:168 Resp: 61279
Ion Ratio Lower Upper
168 100
99 69.8 48.2 72.4



#5
Bromomethane
Concen: 0.337 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion: 94 Resp: 124
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#





#11

Tert butyl alcohol

Concen: 7.789 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

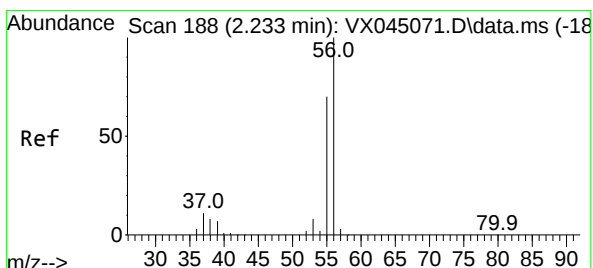
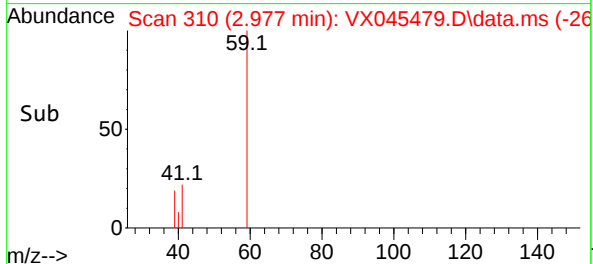
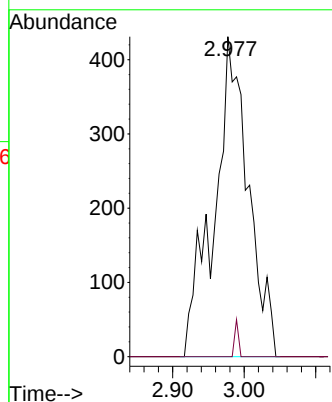
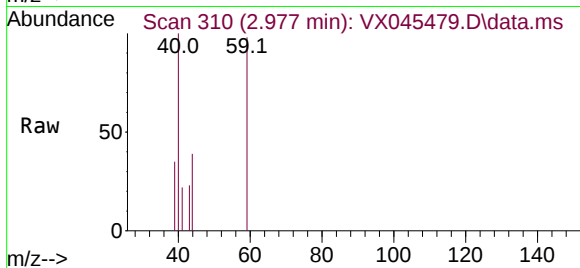
P167330ZHE#03

Tgt Ion: 59 Resp: 1438

Ion Ratio Lower Upper

59 100

57 1.3 7.8 11.8#



#13

Acrolein

Concen: 1.228 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045479.D

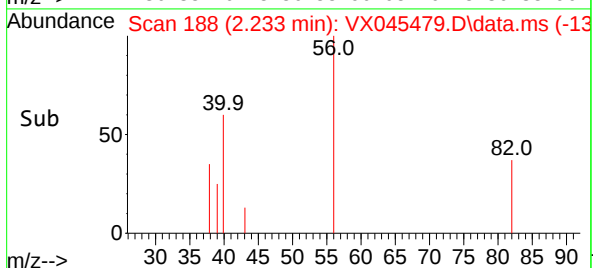
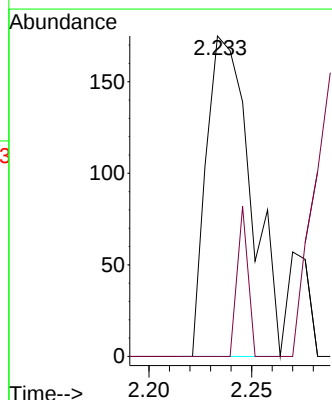
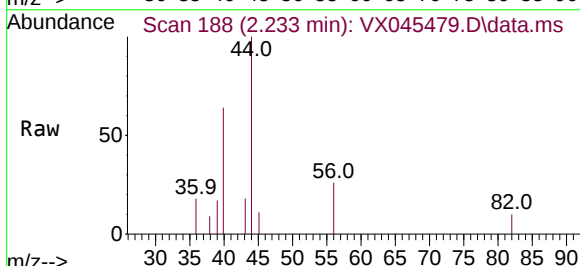
Acq: 27 Mar 2025 15:57

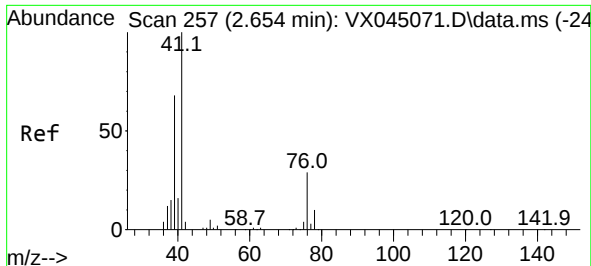
Tgt Ion: 56 Resp: 262

Ion Ratio Lower Upper

56 100

55 11.5 56.2 84.4#

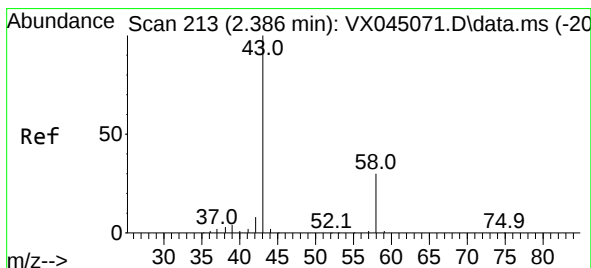
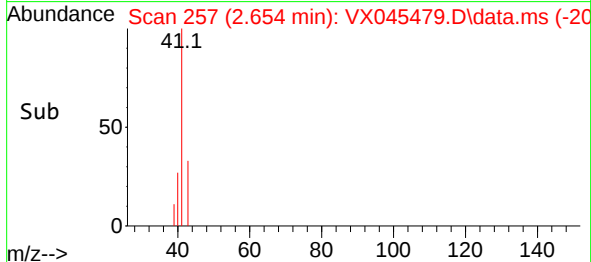
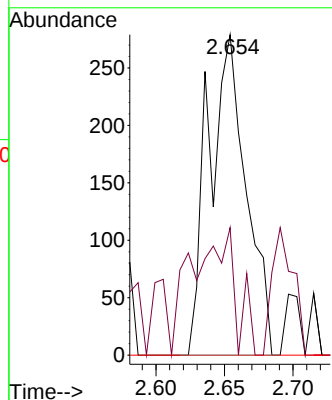
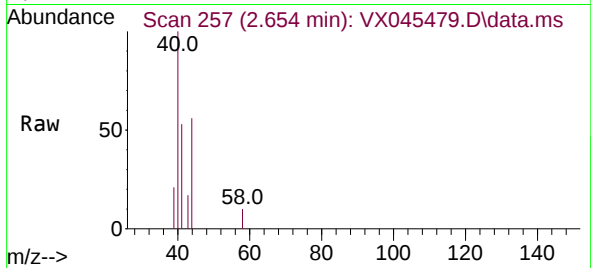




#14
 Allyl chloride
 Concen: 0.400 ug/l
 RT: 2.654 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX045479.D
 Acq: 27 Mar 2025 15:57

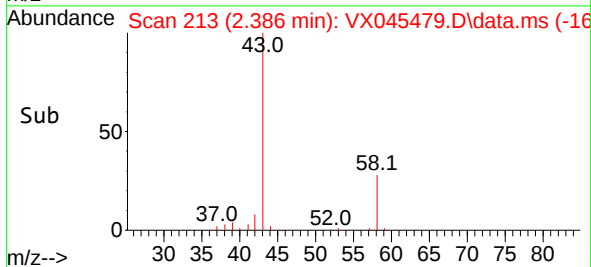
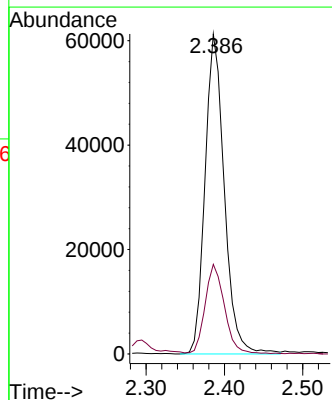
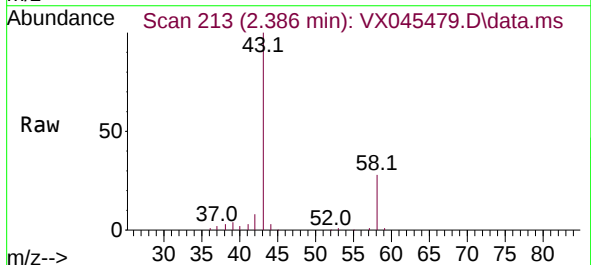
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#03

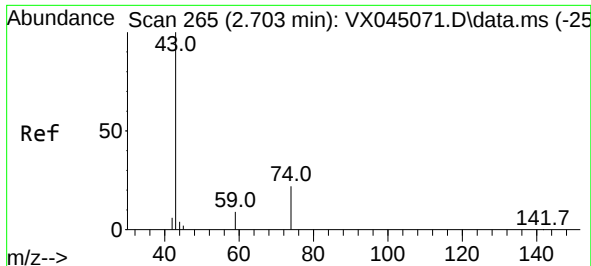
Tgt Ion: 41 Resp: 536
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 231.047 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX045479.D
 Acq: 27 Mar 2025 15:57

Tgt Ion: 43 Resp: 104490
 Ion Ratio Lower Upper
 43 100
 58 27.9 24.2 36.4

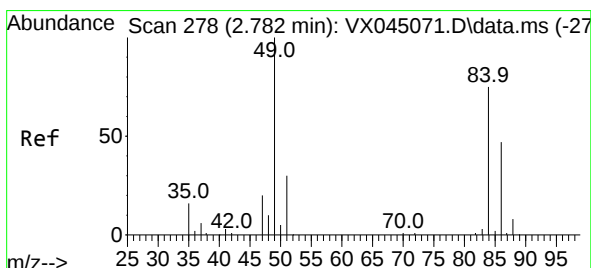
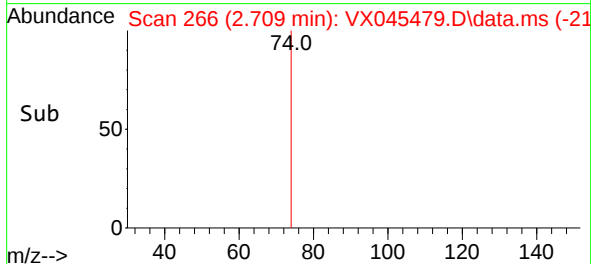
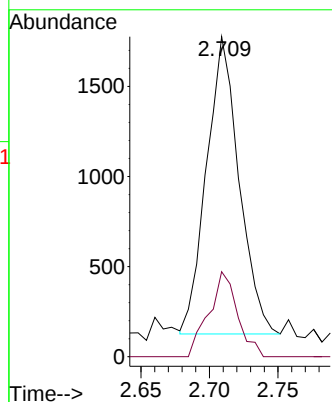
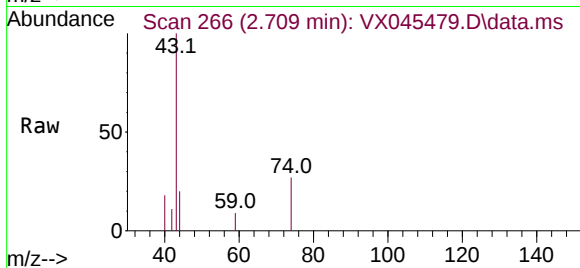




#18
Methyl Acetate
Concen: 2.510 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

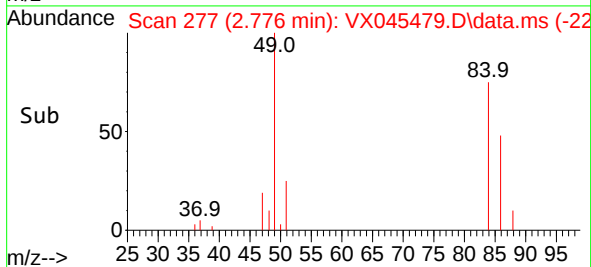
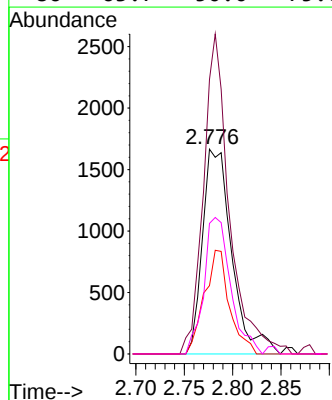
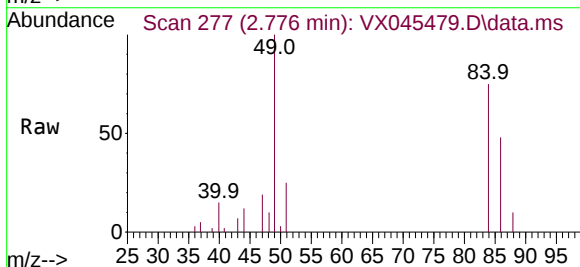
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03

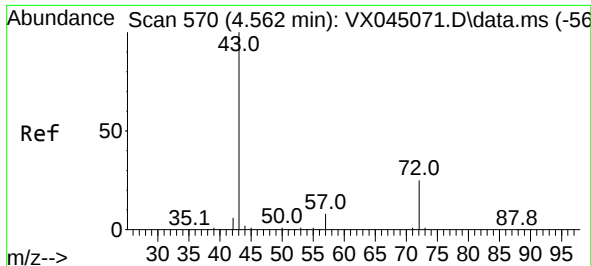
Tgt Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
74 25.0 17.4 26.2



#20
Methylene Chloride
Concen: 3.920 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion: 84 Resp: 3512
Ion Ratio Lower Upper
84 100
49 134.0 106.5 159.7
51 33.4 32.1 48.1
86 63.7 50.0 75.0

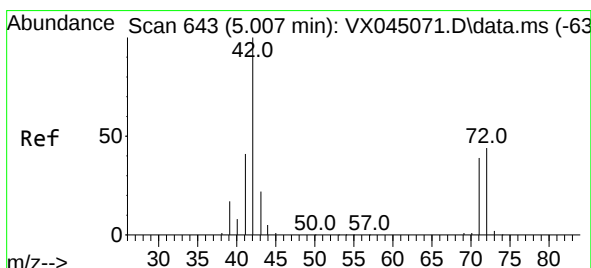
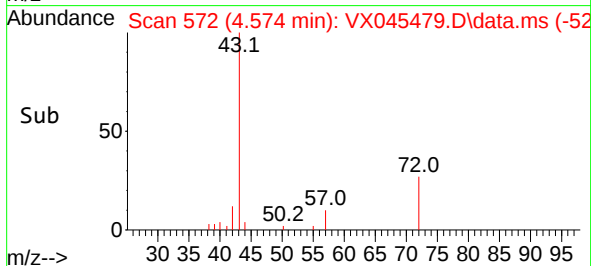
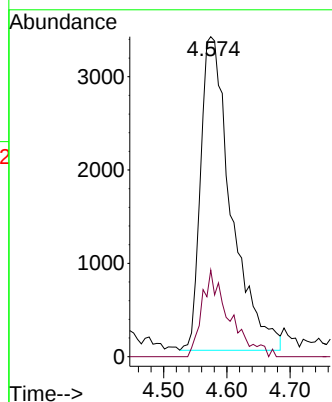
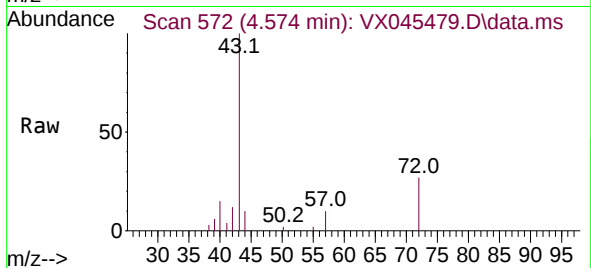




#25
2-Butanone
Concen: 16.614 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

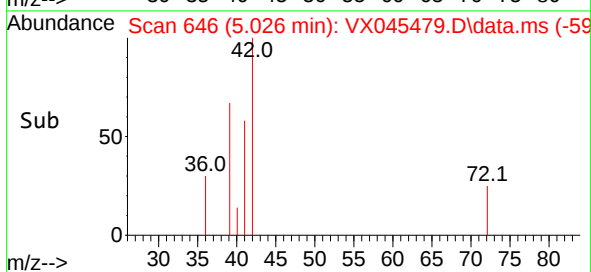
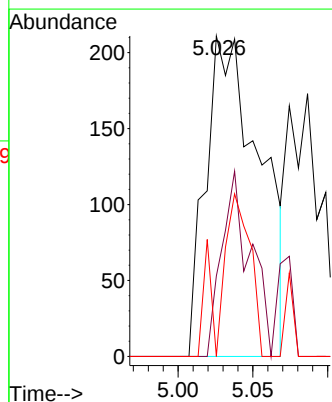
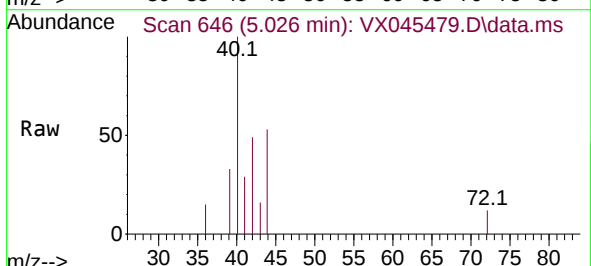
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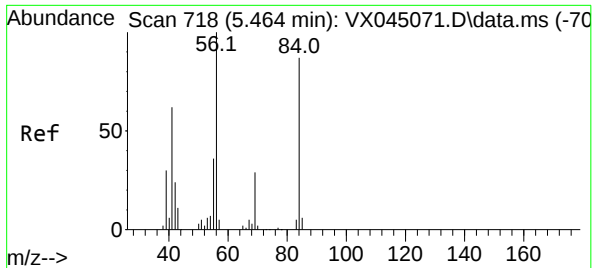
Tgt Ion: 43 Resp: 11310
Ion Ratio Lower Upper
43 100
72 27.6 20.0 30.0



#29
Tetrahydrofuran
Concen: 1.164 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

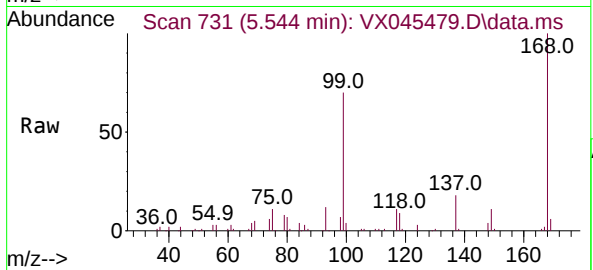
Tgt Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
72 30.6 34.1 51.1#
71 28.4 31.4 47.0#





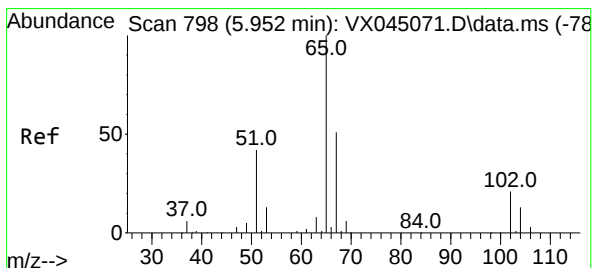
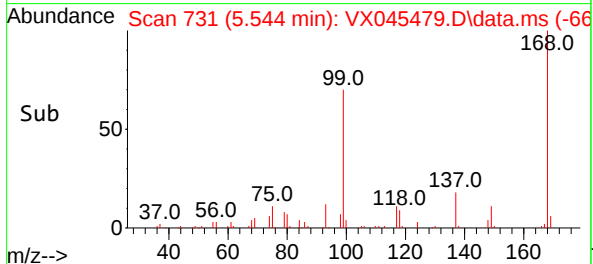
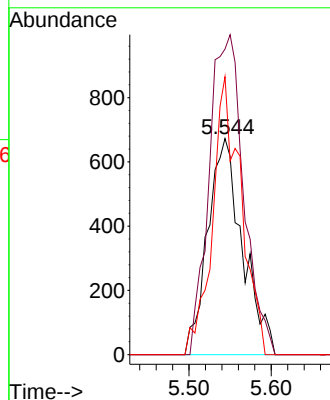
#31
Cyclohexane
Concen: 1.492 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03



Tgt Ion: 56 Resp: 1979

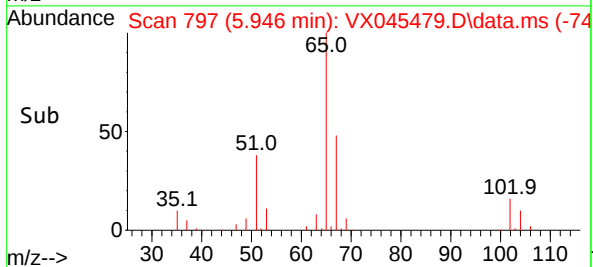
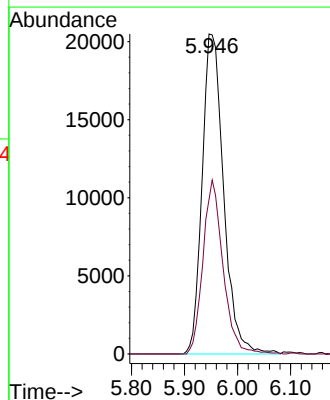
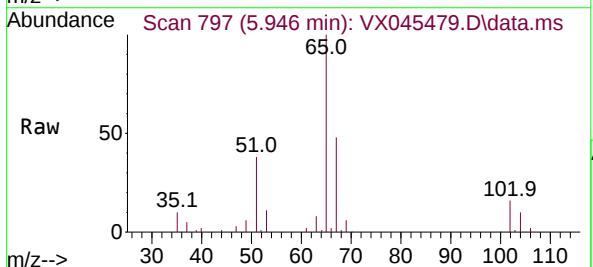
Ion	Ratio	Lower	Upper
56	100		
69	141.3	23.4	35.2#
84	144.1	69.4	104.2#

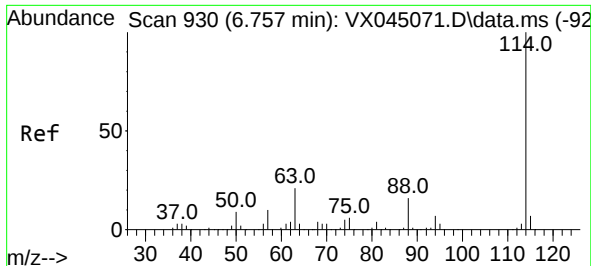


#33
1,2-Dichloroethane-d4
Concen: 59.196 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion: 65 Resp: 57700

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	106.2

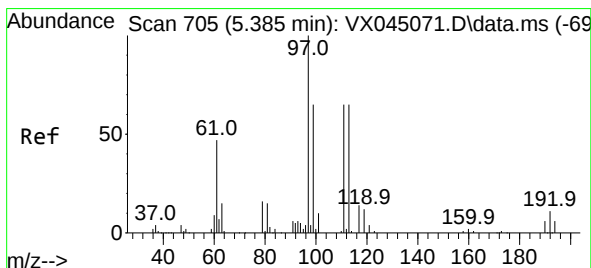
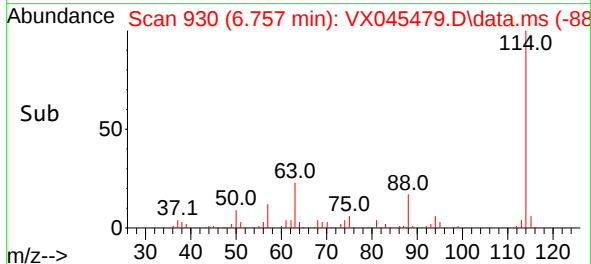
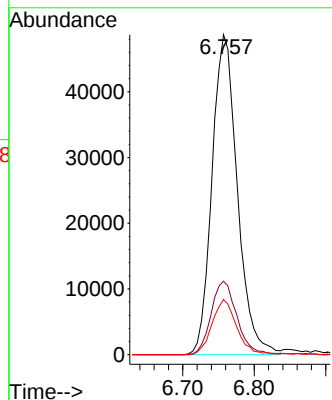
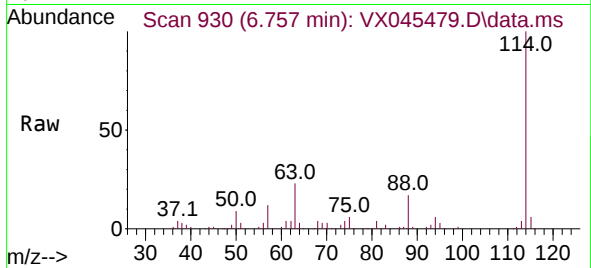




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

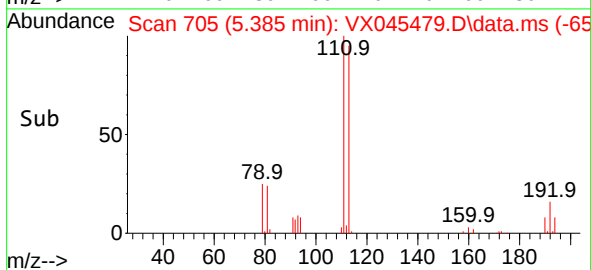
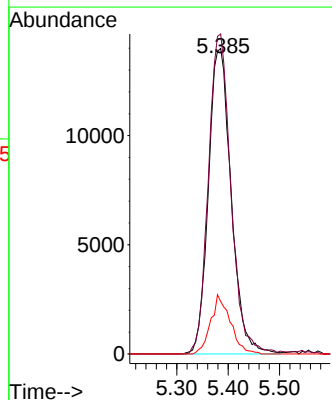
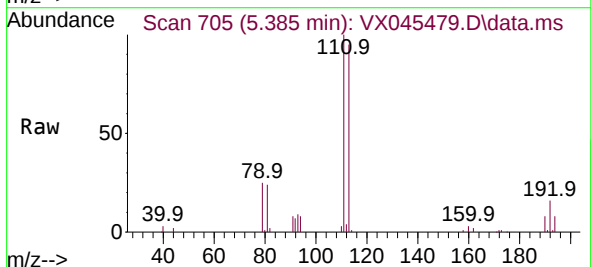
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03

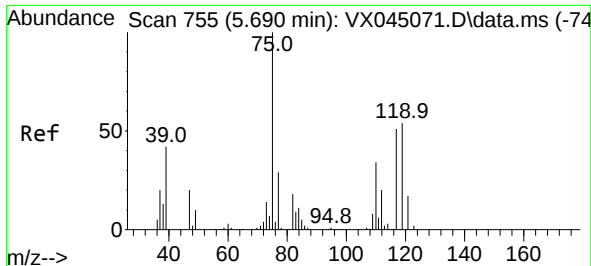
Tgt Ion:114 Resp: 119944
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 17.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.730 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion:113 Resp: 43093
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 16.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.320 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#03

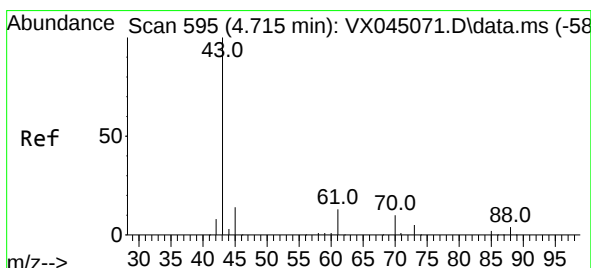
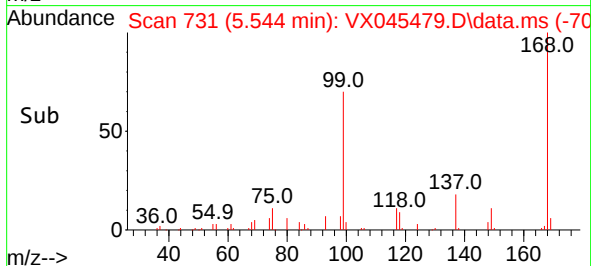
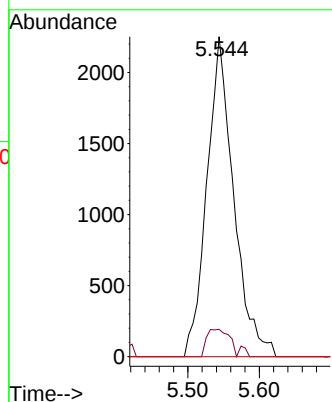
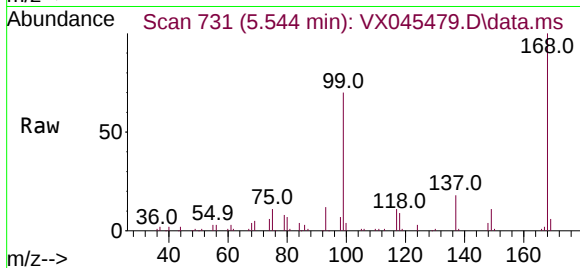
Tgt Ion: 75 Resp: 5852

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 7.980 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

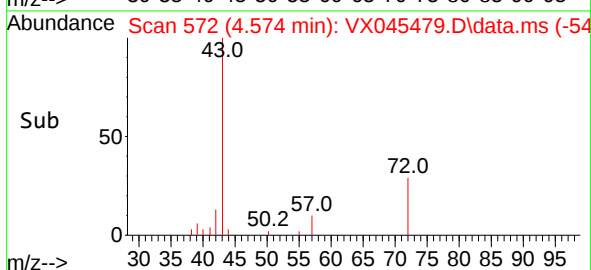
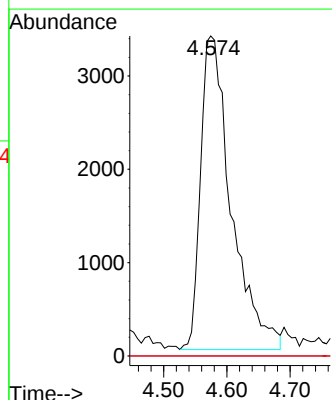
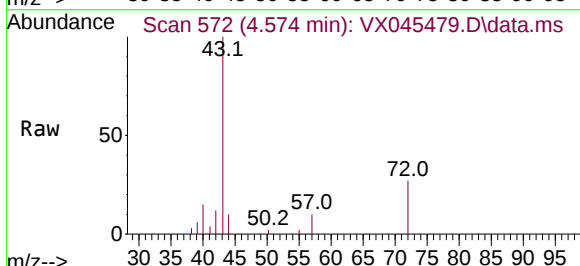
Tgt Ion: 43 Resp: 11310

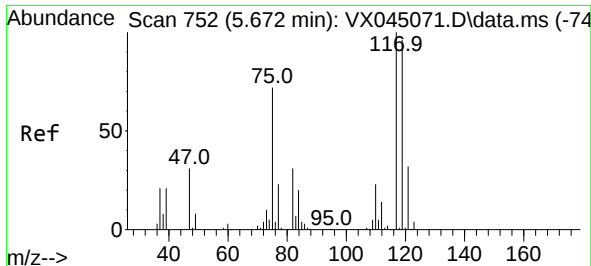
Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

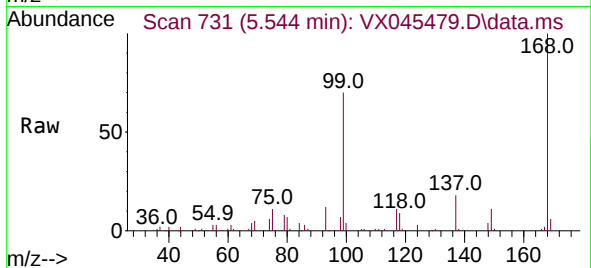
70 0.0 7.7 11.5#



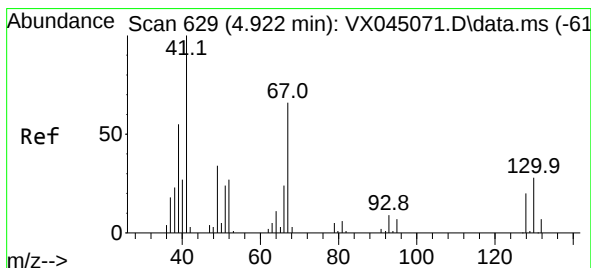
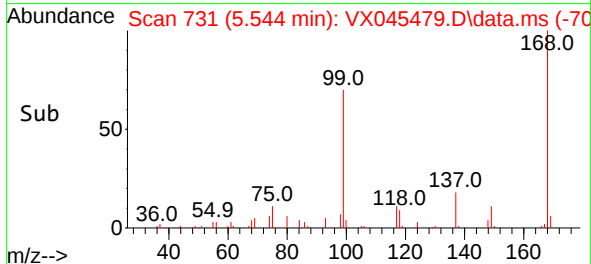
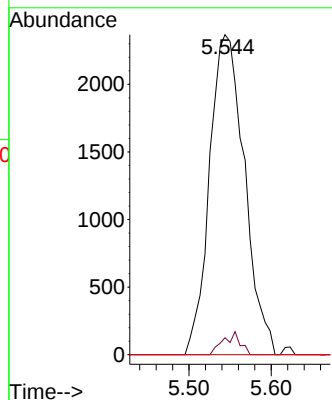


#38
Carbon Tetrachloride
Concen: 6.256 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03

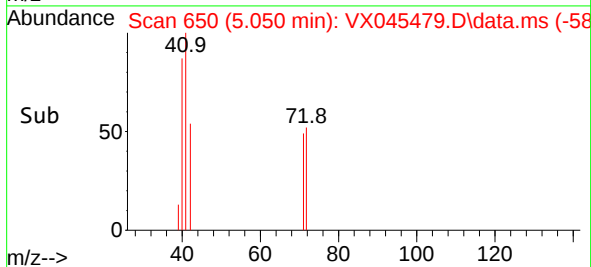
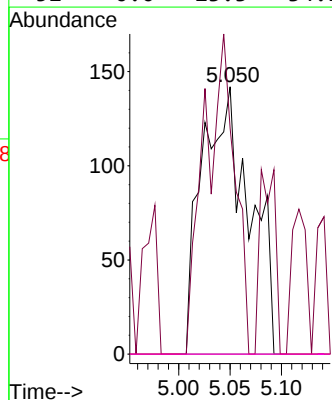
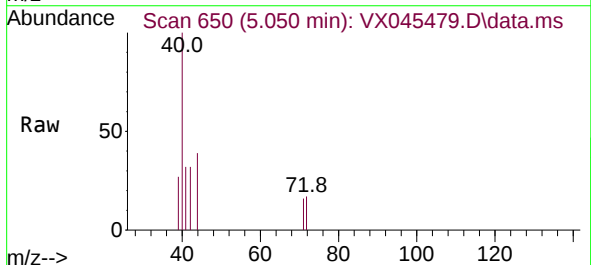


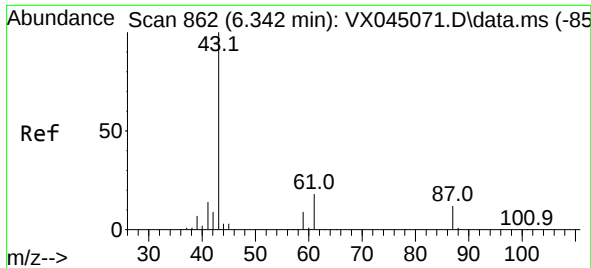
Tgt Ion:117 Resp: 6986
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: 0.595 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.128 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion: 41 Resp: 456
Ion Ratio Lower Upper
41 100
39 76.8 44.6 67.0#
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#

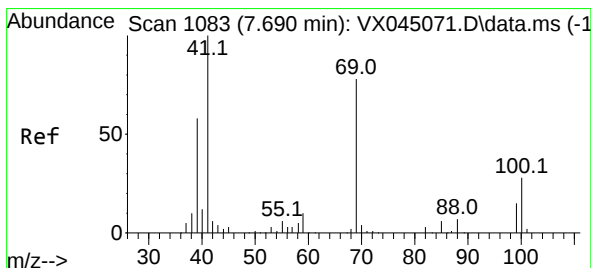
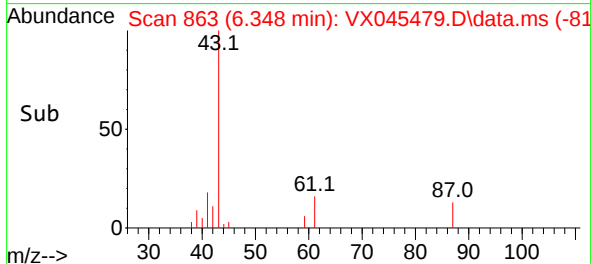
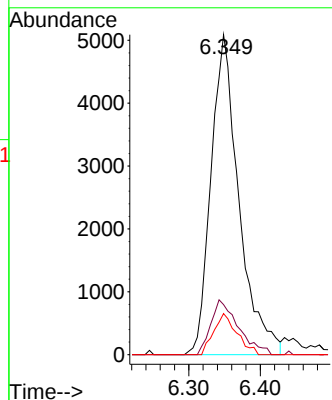
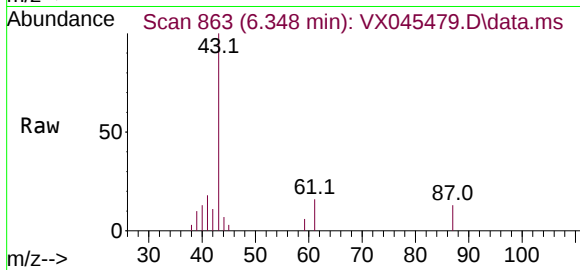




#43
Isopropyl Acetate
Concen: 6.588 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

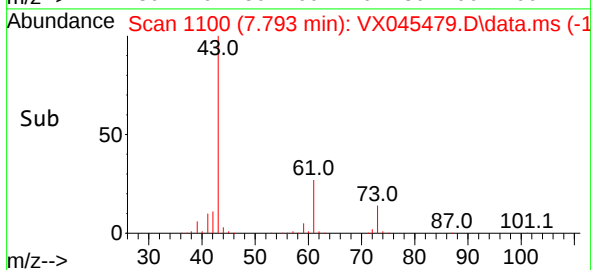
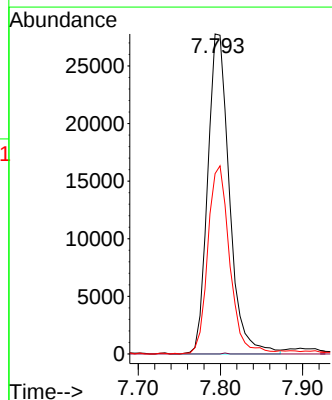
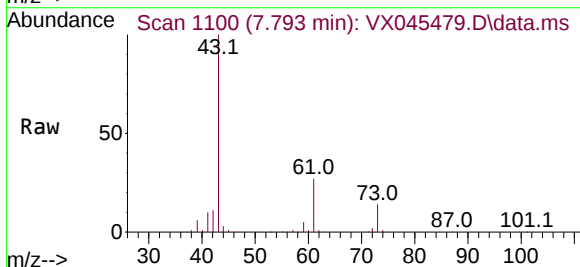
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03

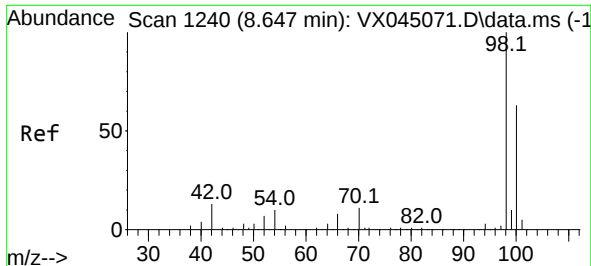
Tgt Ion: 43 Resp: 13808
Ion Ratio Lower Upper
43 100
61 16.9 14.9 22.3
87 10.6 9.4 14.2



#48
Methyl methacrylate
Concen: 48.504 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion: 41 Resp: 50999
Ion Ratio Lower Upper
41 100
69 0.1 63.0 94.6#
39 59.2 47.5 71.3

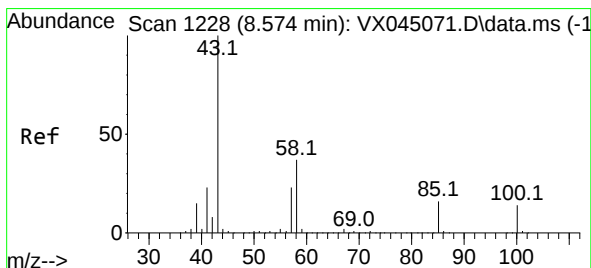
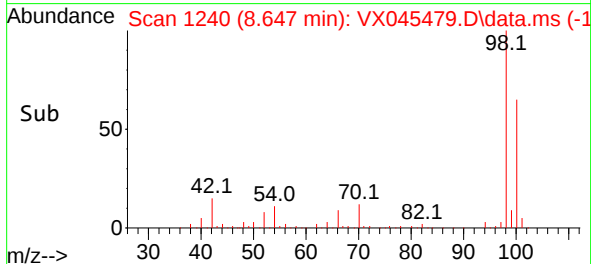
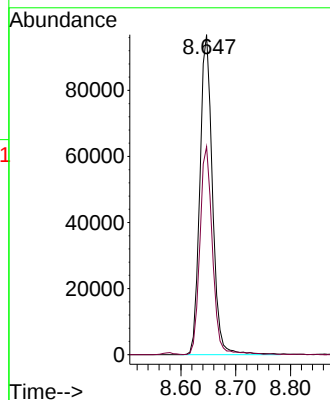
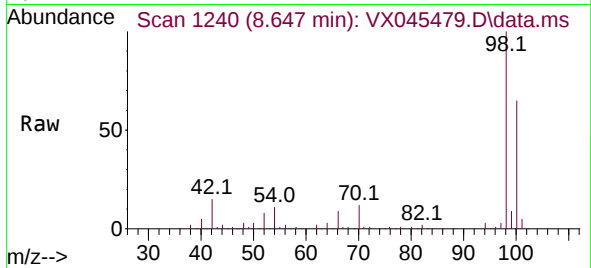




#50
Toluene-d8
Concen: 53.180 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

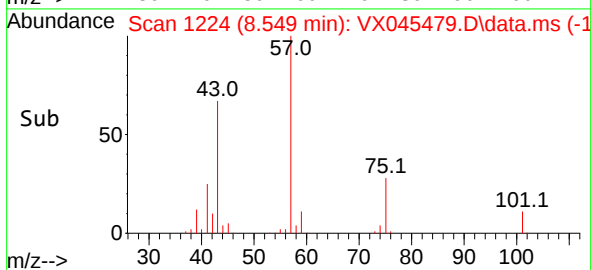
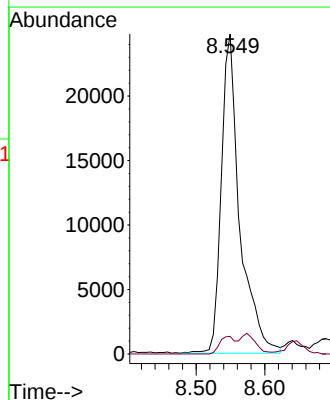
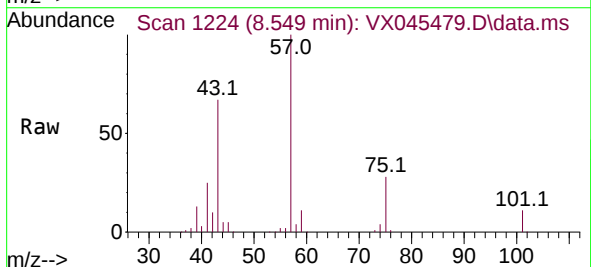
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03

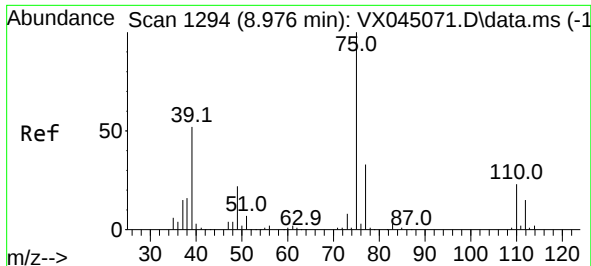
Tgt Ion: 98 Resp: 154630
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 32.715 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion: 43 Resp: 46037
Ion Ratio Lower Upper
43 100
58 5.1 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.215 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

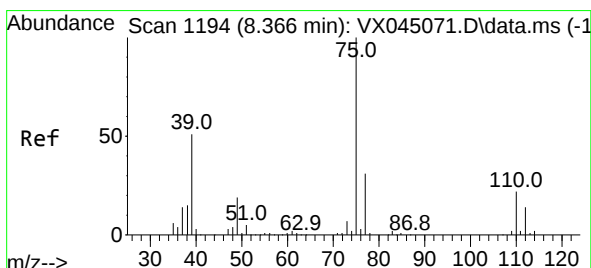
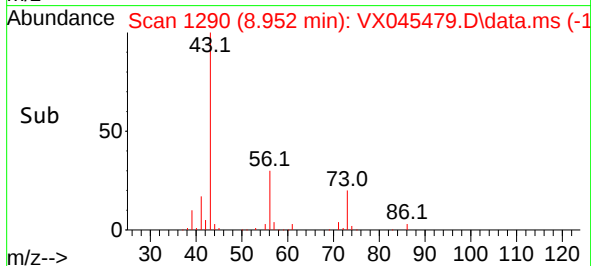
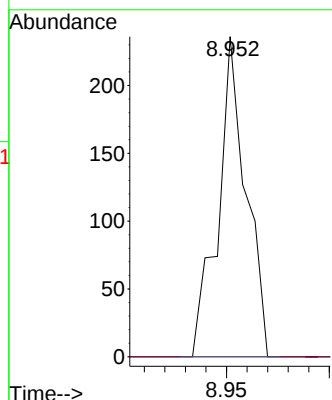
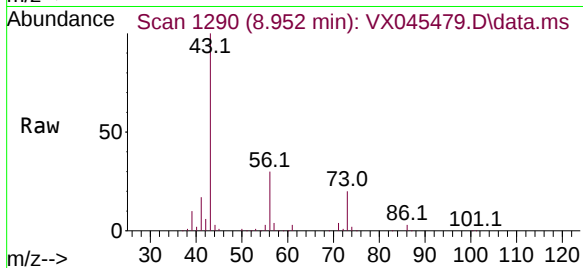
P167330ZHE#03

Tgt Ion: 75 Resp: 223

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 13.480 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

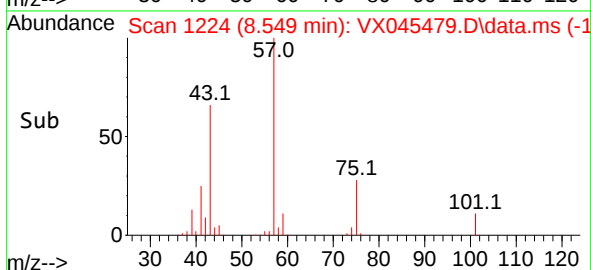
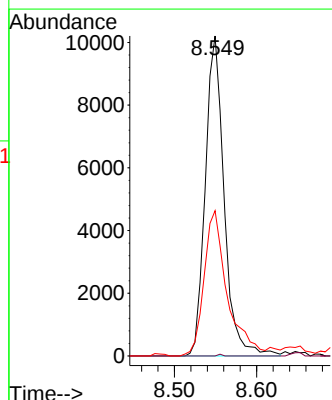
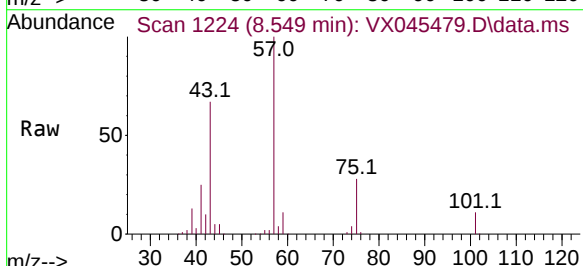
Tgt Ion: 75 Resp: 16270

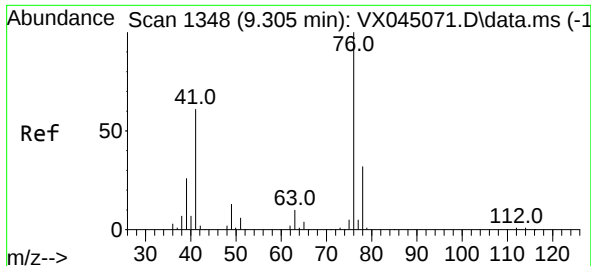
Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

39 45.4 40.7 61.1





#57

1,3-Dichloropropane

Concen: 1.192 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

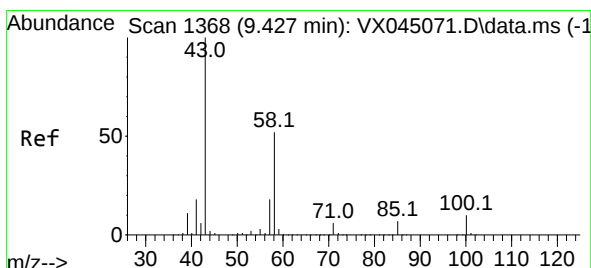
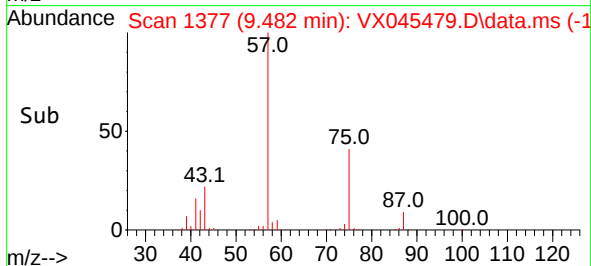
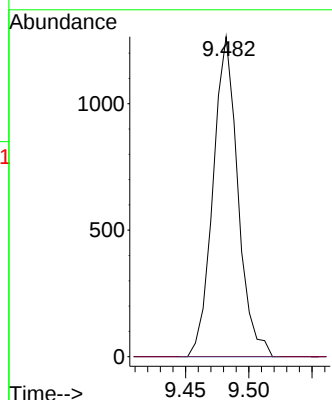
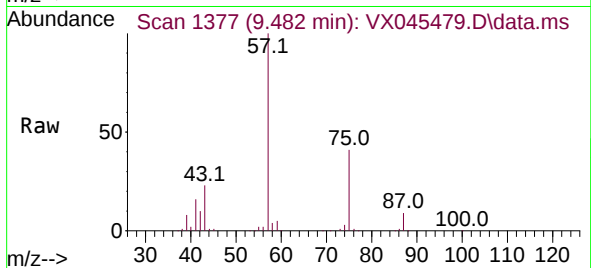
P167330ZHE#03

Tgt Ion: 76 Resp: 1730

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 16.816 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045479.D

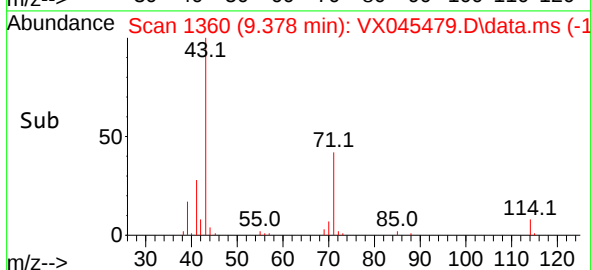
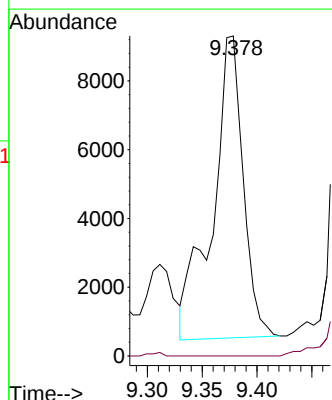
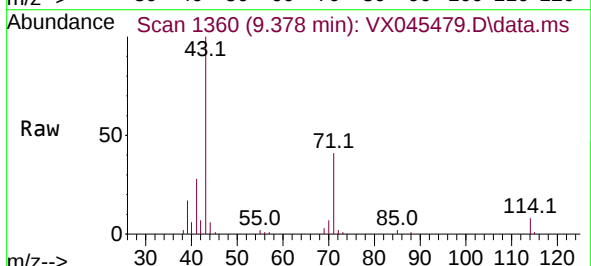
Acq: 27 Mar 2025 15:57

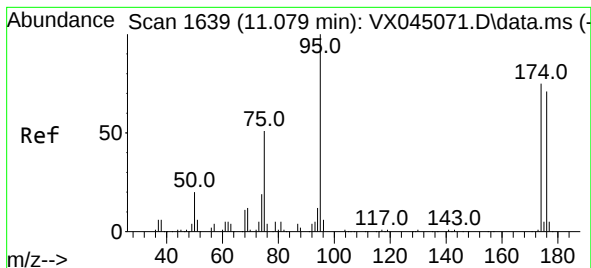
Tgt Ion: 43 Resp: 17145

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

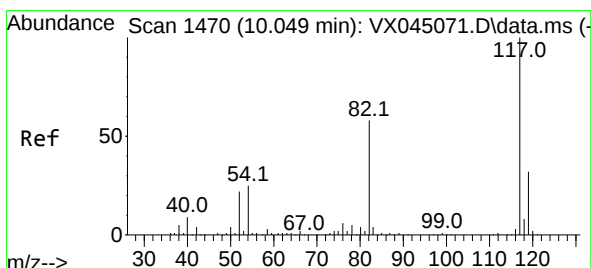
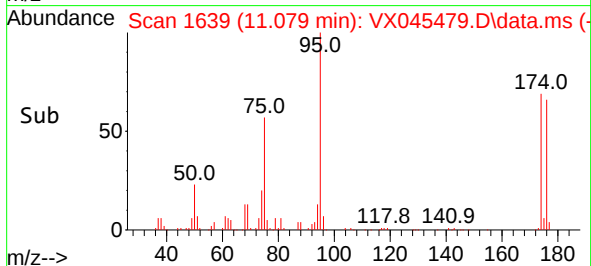
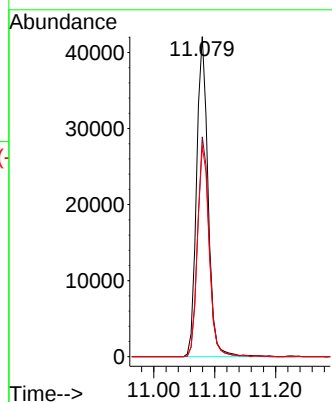
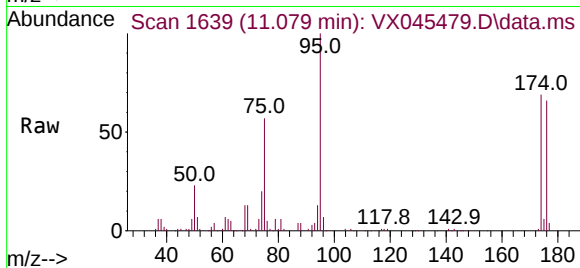




#62
4-Bromofluorobenzene
Concen: 57.102 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

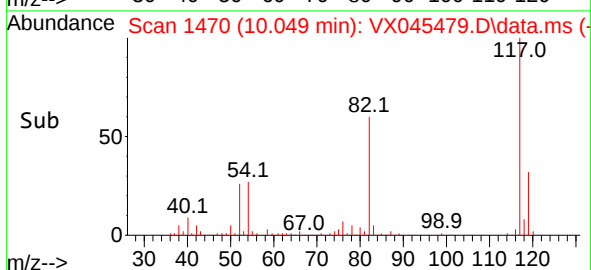
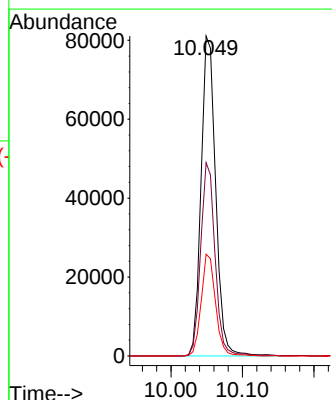
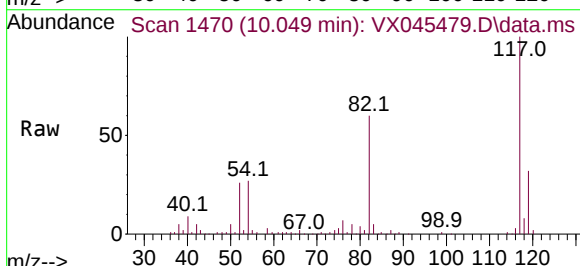
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#03

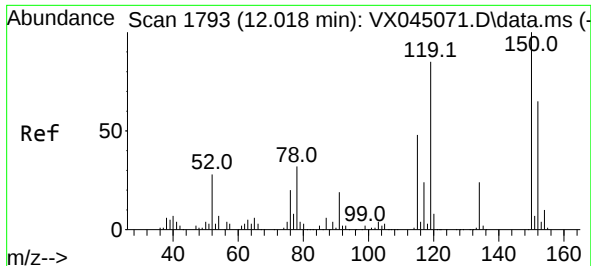
Tgt Ion: 95 Resp: 55018
Ion Ratio Lower Upper
95 100
174 69.3 0.0 148.2
176 67.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045479.D
Acq: 27 Mar 2025 15:57

Tgt Ion: 117 Resp: 115028
Ion Ratio Lower Upper
117 100
82 60.4 46.3 69.5
119 31.8 25.7 38.5

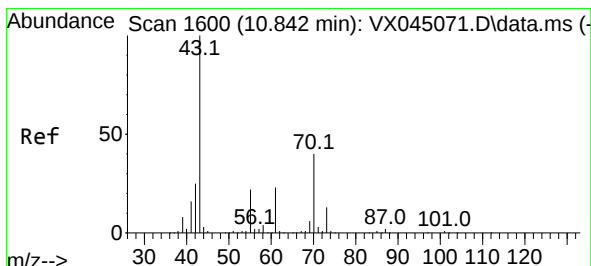
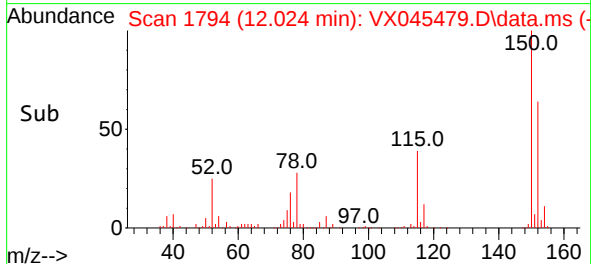
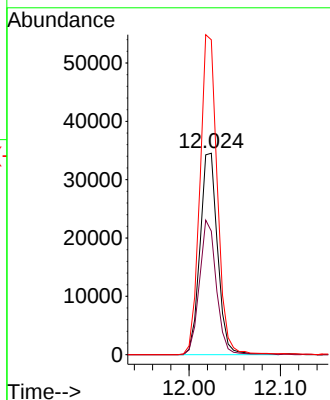
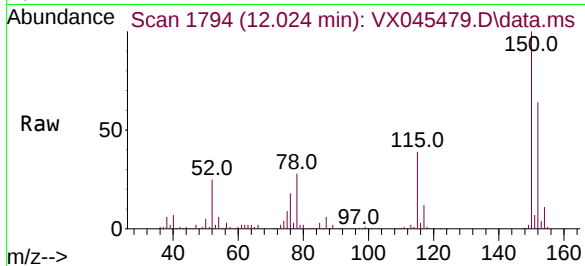




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045479.D
 Acq: 27 Mar 2025 15:57

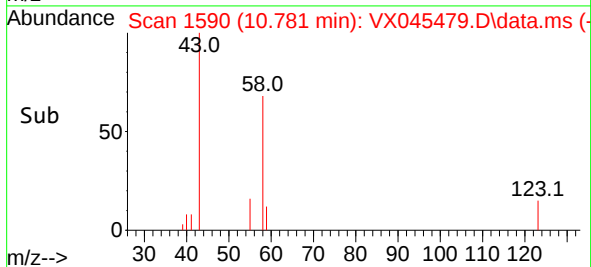
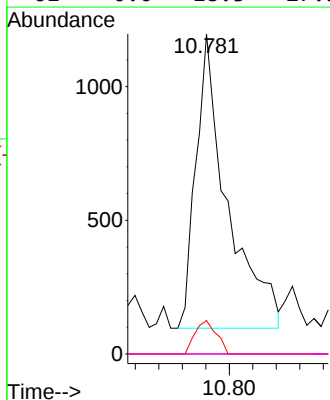
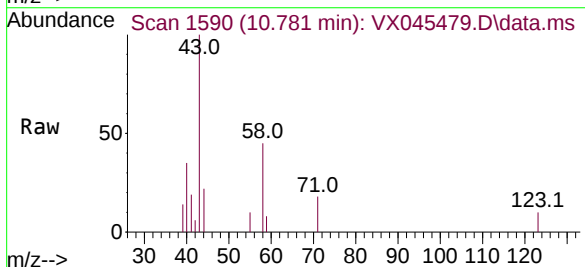
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#03

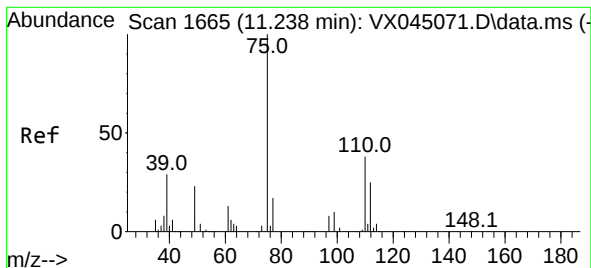
Tgt Ion:152 Resp: 46065
 Ion Ratio Lower Upper
 152 100
 115 64.4 44.2 132.6
 150 157.9 0.0 349.0



#74
 N-ethyl acetate
 Concen: 1.213 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045479.D
 Acq: 27 Mar 2025 15:57

Tgt Ion: 43 Resp: 2047
 Ion Ratio Lower Upper
 43 100
 70 0.0 31.8 47.6#
 55 7.8 18.3 27.5#
 61 0.0 18.3 27.5#





#76

1,2,3-Trichloropropane

Concen: 29.133 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

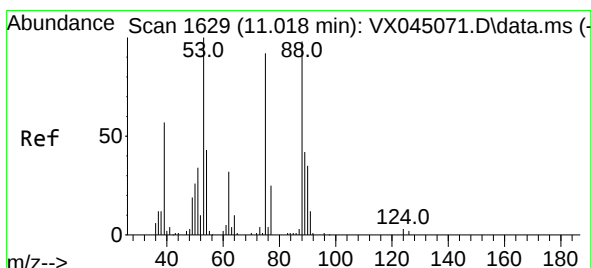
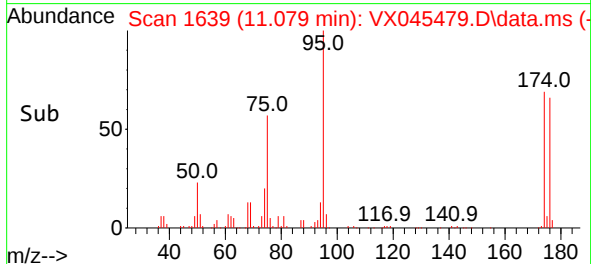
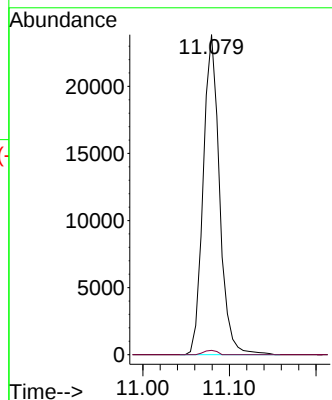
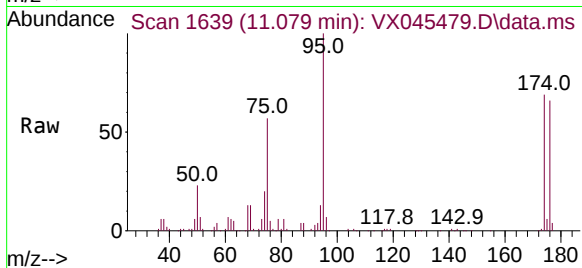
P167330ZHE#03

Tgt Ion: 75 Resp: 31235

Ion Ratio Lower Upper

75 100

77 1.1 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.697 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045479.D

Acq: 27 Mar 2025 15:57

Tgt Ion: 75 Resp: 31235

Ion Ratio Lower Upper

75 100

53 0.0 88.5 132.7#

89 0.0 36.2 54.4#

