

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045477.D
 Acq On : 27 Mar 2025 15:13
 Operator : JC/MD
 Sample : P167330ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#01

Quant Time: Mar 28 01:35:23 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)

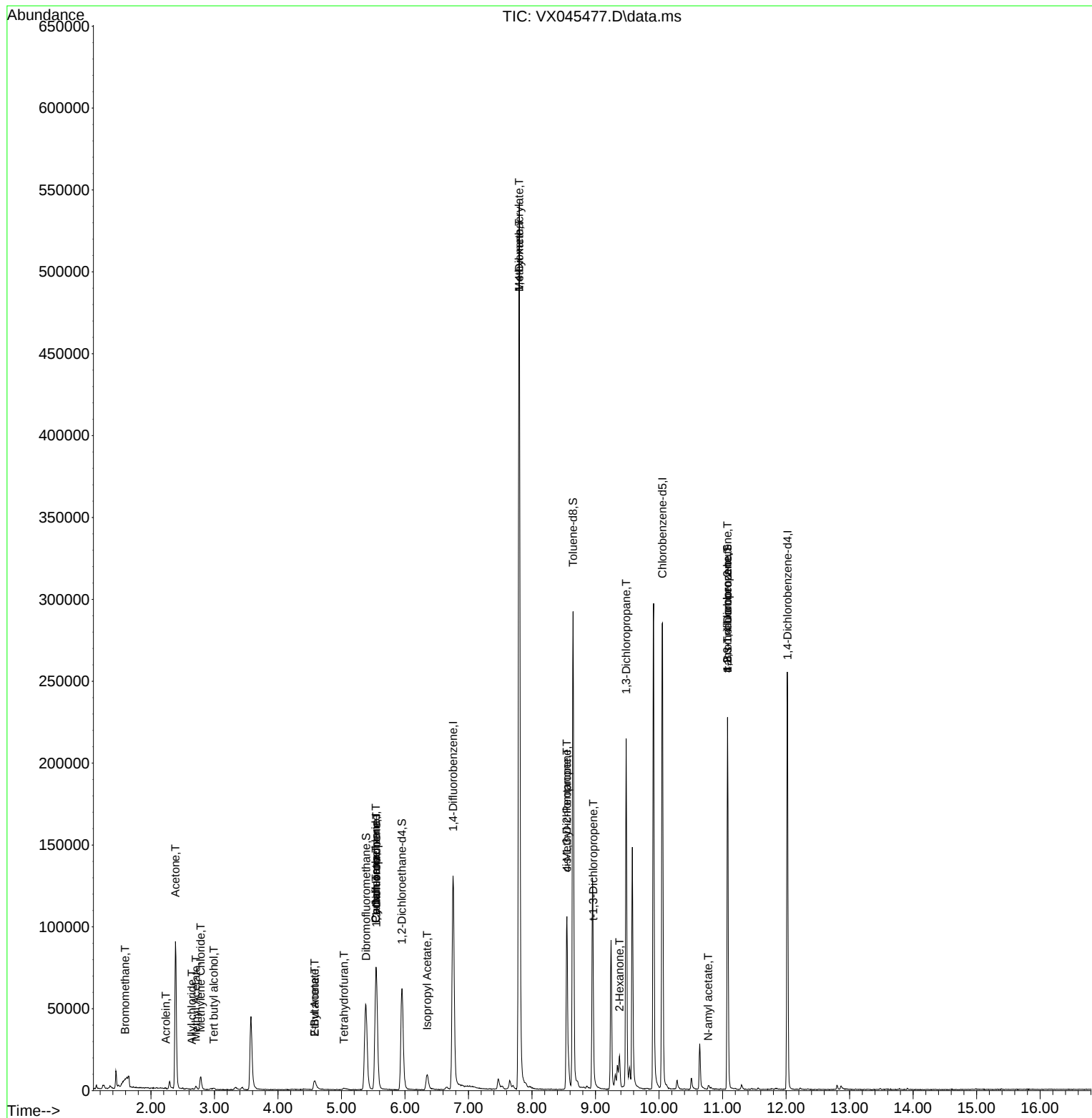
Internal Standards						
1) Pentafluorobenzene	5.543	168	65424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127318	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62417	59.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.960%			
35) Dibromofluoromethane	5.385	113	45740	53.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.460%			
50) Toluene-d8	8.646	98	162502	52.651	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.300%			
62) 4-Bromofluorobenzene	11.079	95	57210	55.938	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	99	0.252	ug/l #	3
11) Tert butyl alcohol	2.989	59	1141	5.788	ug/l #	81
13) Acrolein	2.233	56	169	0.742	ug/l #	82
14) Allyl chloride	2.641	41	473	0.331	ug/l #	50
16) Acetone	2.385	43	100171	207.464	ug/l	95
18) Methyl Acetate	2.709	43	2716	2.338	ug/l	99
20) Methylene Chloride	2.782	84	3648	3.814	ug/l	96
25) 2-Butanone	4.574	43	12221	16.815	ug/l #	90
29) Tetrahydrofuran	5.037	42	790	1.619	ug/l #	50
31) Cyclohexane	5.543	56	2006	1.417	ug/l #	27
36) 1,1-Dichloropropene	5.549	75	6263	5.364	ug/l #	50
37) Ethyl Acetate	4.574	43	12221	8.123	ug/l #	70
38) Carbon Tetrachloride	5.543	117	7212	6.084	ug/l #	17
43) Isopropyl Acetate	6.348	43	14129	6.351	ug/l	95
48) Methyl methacrylate	7.799	41	51982	46.576	ug/l #	49
49) 1,4-Dioxane	7.799	88	94	3.993	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45399	30.393	ug/l #	46
53) t-1,3-Dichloropropene	8.963	75	303	0.276	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16552	12.920	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	1873	1.215	ug/l #	43
59) 2-Hexanone	9.378	43	17237	15.927	ug/l #	26
74) N-amyl acetate	10.774	43	2219	1.259	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	32515	29.040	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32515	99.379	ug/l #	6

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
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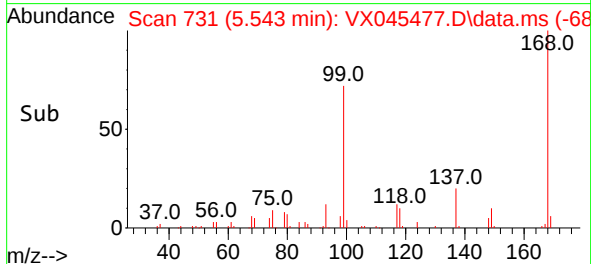
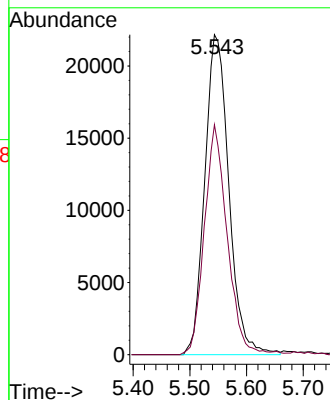
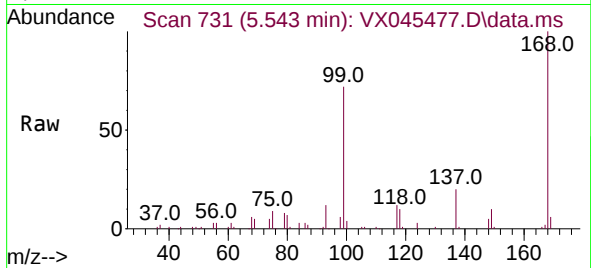




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

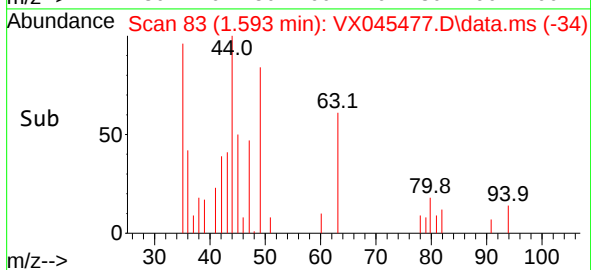
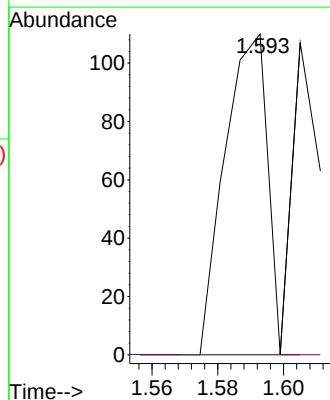
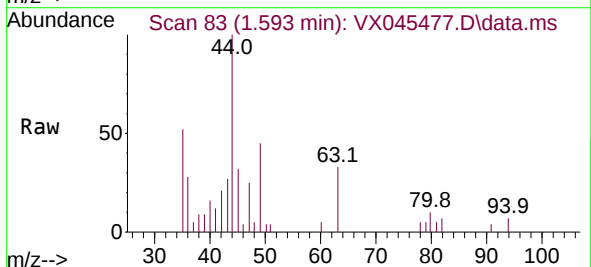
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

Tgt Ion:168 Resp: 65424
Ion Ratio Lower Upper
168 100
99 71.9 48.2 72.4



#5
Bromomethane
Concen: 0.252 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#





#11

Tert butyl alcohol

Concen: 5.788 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

Instrument :

MSVOA_X

ClientSampleId :

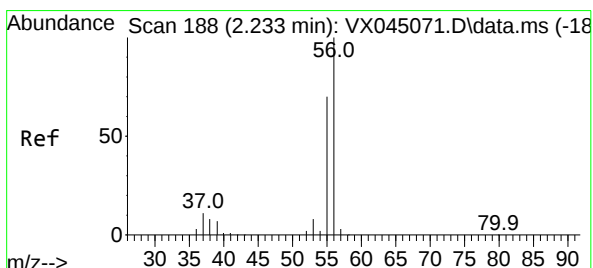
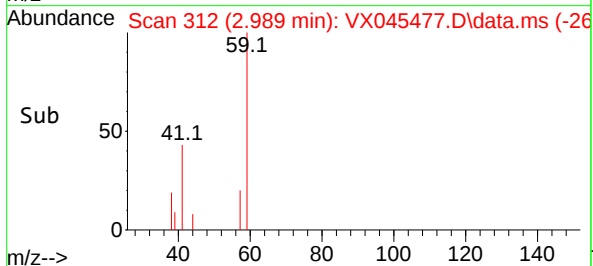
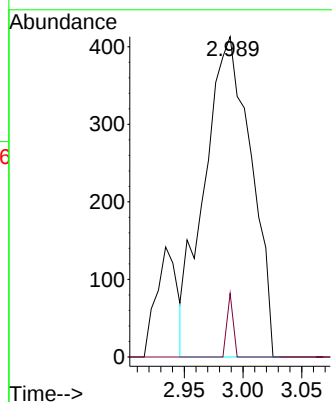
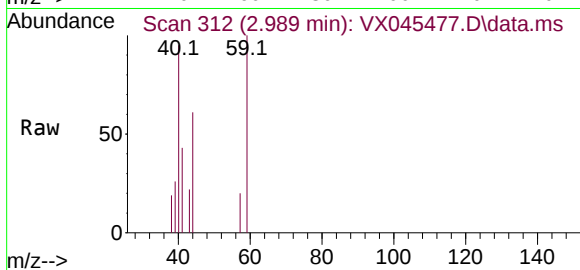
P167330ZHE#01

Tgt Ion: 59 Resp: 1141

Ion Ratio Lower Upper

59 100

57 2.6 7.8 11.8#



#13

Acrolein

Concen: 0.742 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045477.D

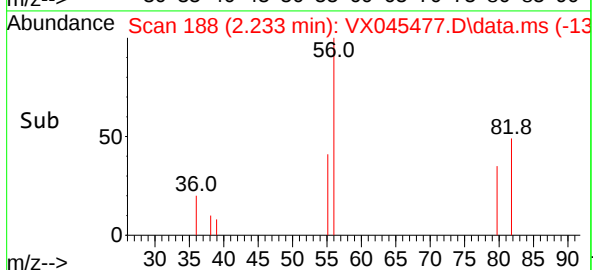
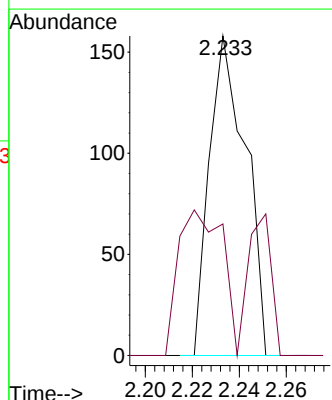
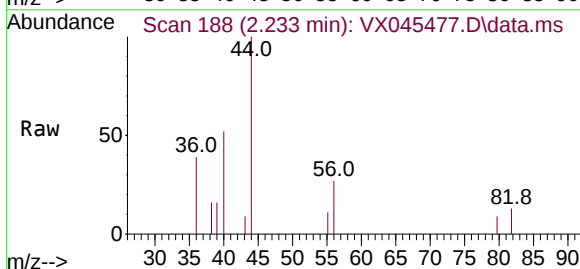
Acq: 27 Mar 2025 15:13

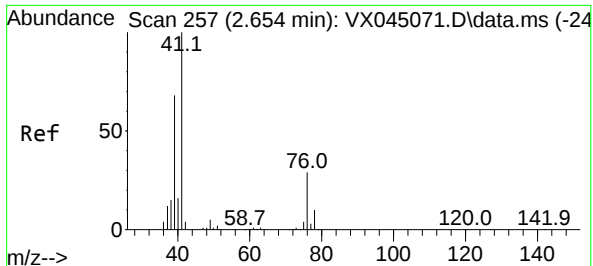
Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 55.6 56.2 84.4#





#14

Allv1 chloride

Concen: 0.331 ug/l

RT: 2.641 min Scan# 2

Delta R.T. -0.013 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

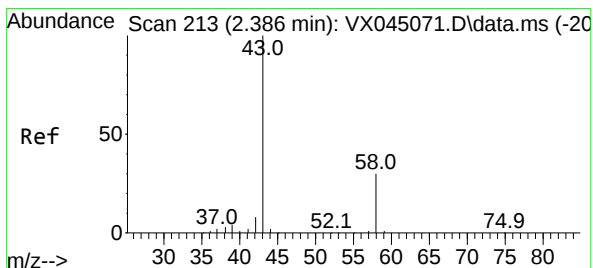
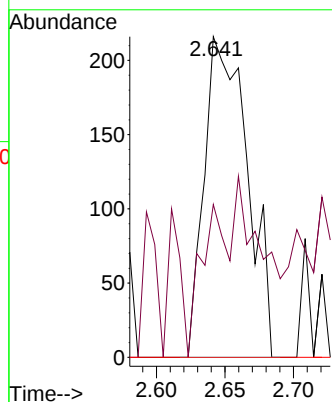
Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#01

Tgt Ion: 41	Resp: 473
Ion Ratio	Lower Upper
41 100	
39 29.6	53.8 80.8#
76 0.0	25.2 37.8#



#16

Acetone

Concen: 207.464 ug/l

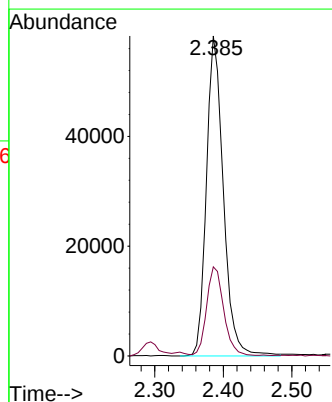
RT: 2.385 min Scan# 213

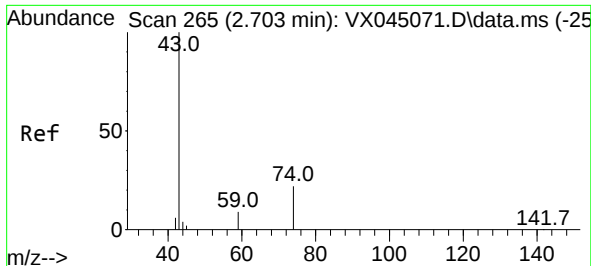
Delta R.T. -0.000 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

Tgt	Ion: 43	Resp:	100171
Ion	Ratio	Lower	Upper
43	100		
58	27.7	24.2	36.4

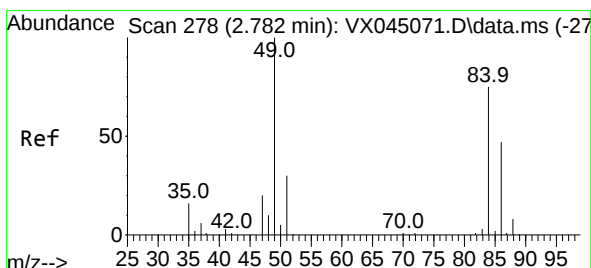
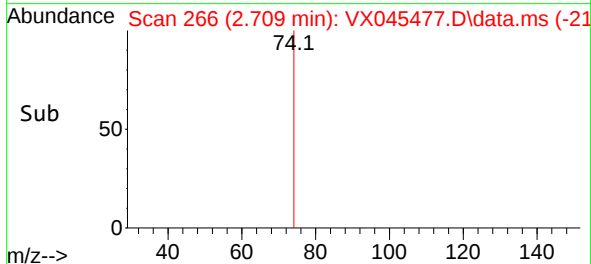
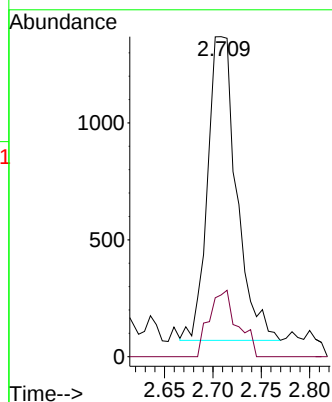
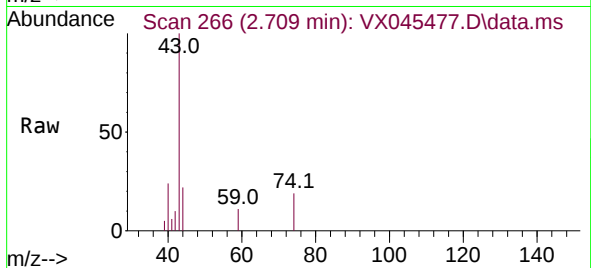




#18
Methyl Acetate
Concen: 2.338 ug/l
RT: 2.709 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

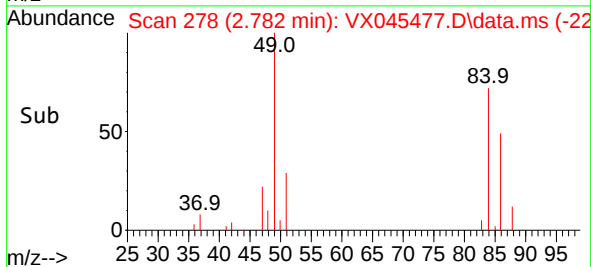
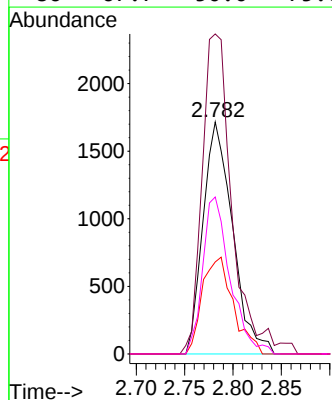
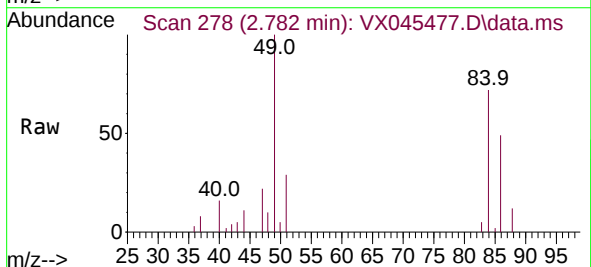
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

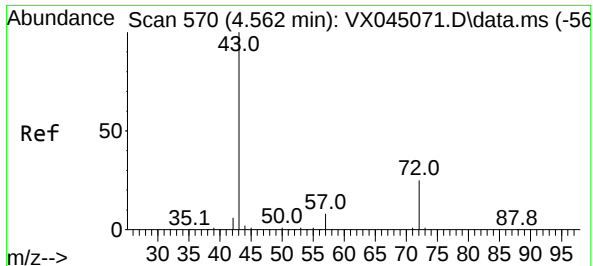
Tgt Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.2



#20
Methylene Chloride
Concen: 3.814 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 84 Resp: 3648
Ion Ratio Lower Upper
84 100
49 137.9 106.5 159.7
51 39.6 32.1 48.1
86 67.7 50.0 75.0





#25

2-Butanone

Concen: 16.815 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

Instrument :

MSVOA_X

ClientSampleId :

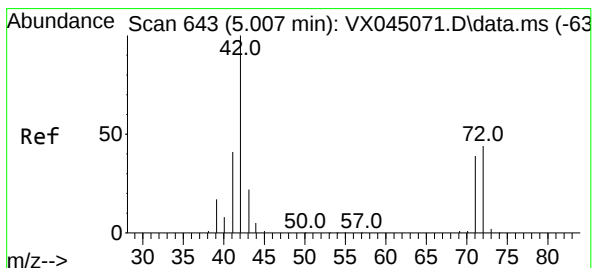
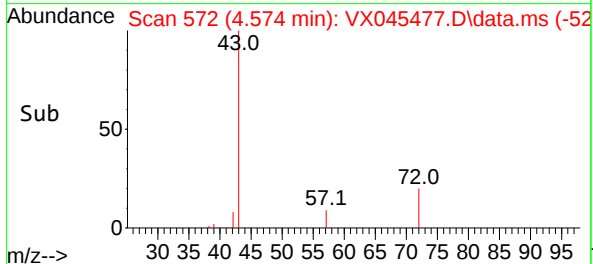
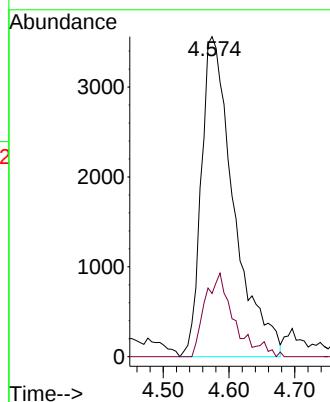
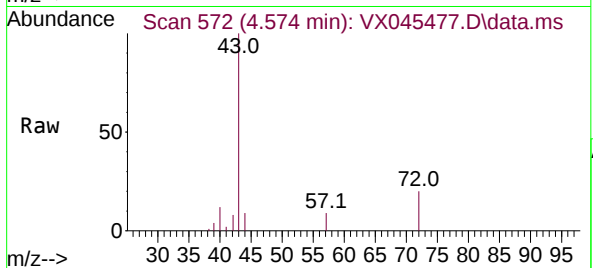
P167330ZHE#01

Tgt Ion: 43 Resp: 12221

Ion Ratio Lower Upper

43 100

72 19.7 20.0 30.0#



#29

Tetrahydrofuran

Concen: 1.619 ug/l

RT: 5.037 min Scan# 648

Delta R.T. 0.030 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

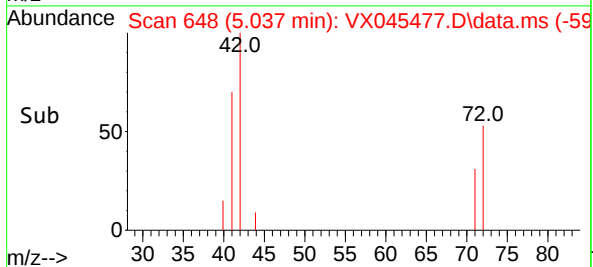
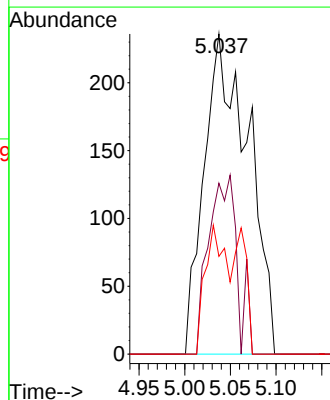
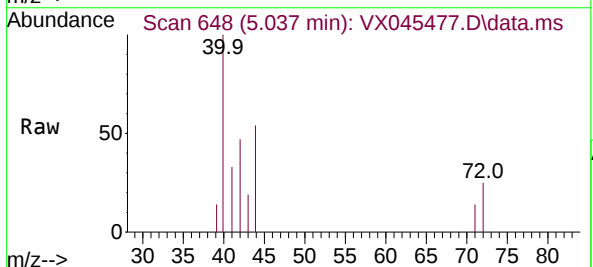
Tgt Ion: 42 Resp: 790

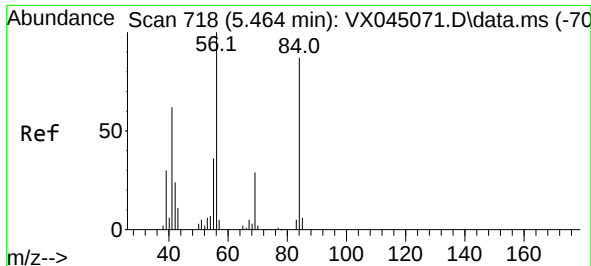
Ion Ratio Lower Upper

42 100

72 0.0 34.1 51.1#

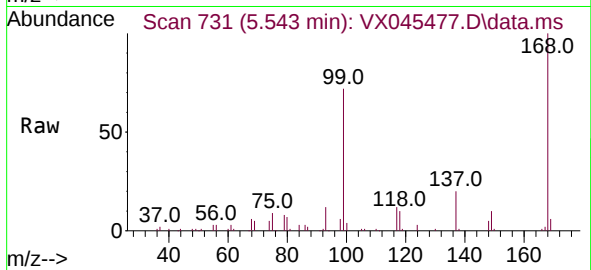
71 19.4 31.4 47.0#



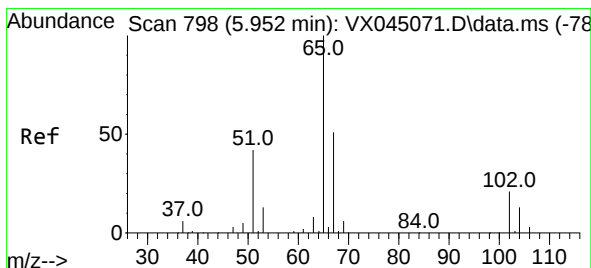
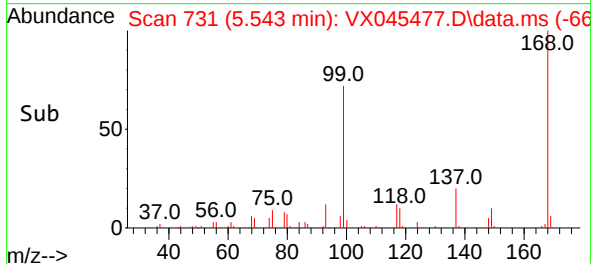
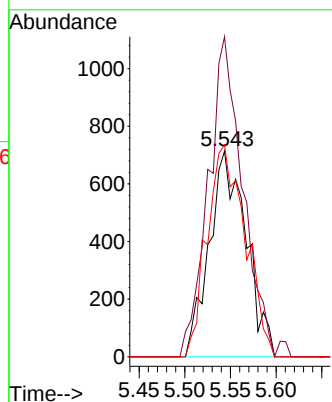


#31
Cyclohexane
Concen: 1.417 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

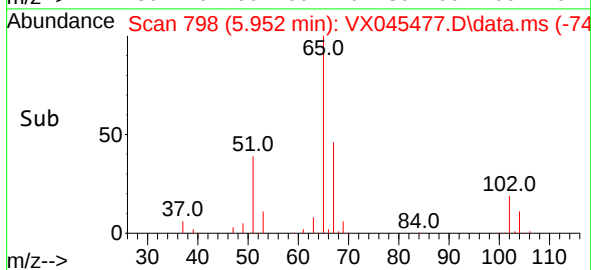
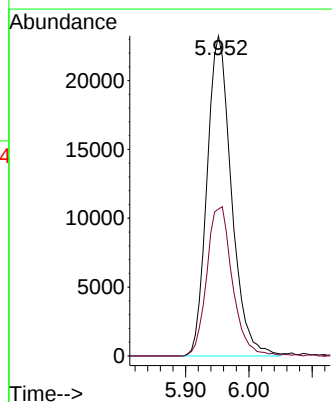
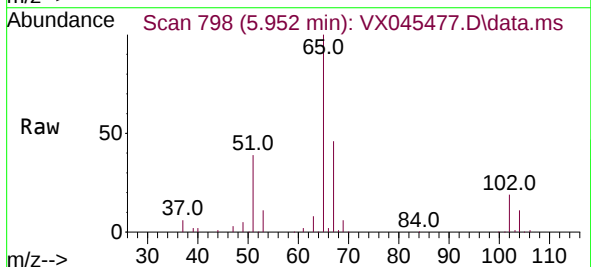


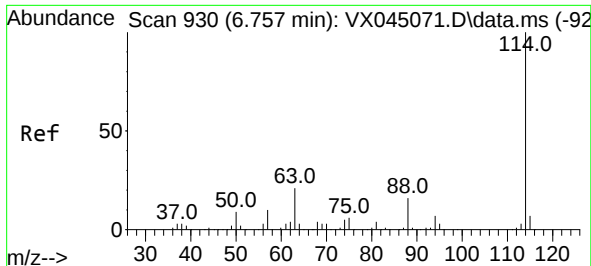
Tgt Ion: 56 Resp: 2006
Ion Ratio Lower Upper
56 100
69 155.6 23.4 35.2#
84 102.9 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 59.978 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 65 Resp: 62417
Ion Ratio Lower Upper
65 100
67 49.0 0.0 106.2

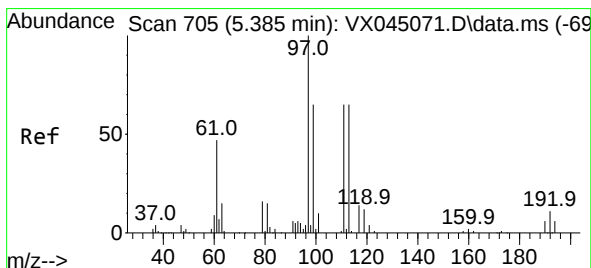
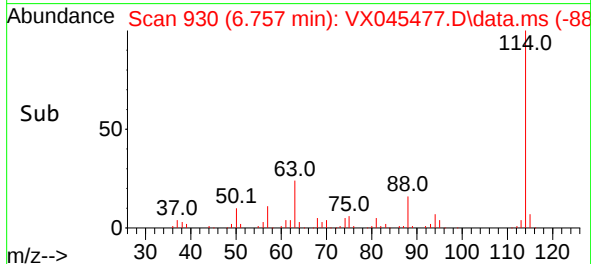
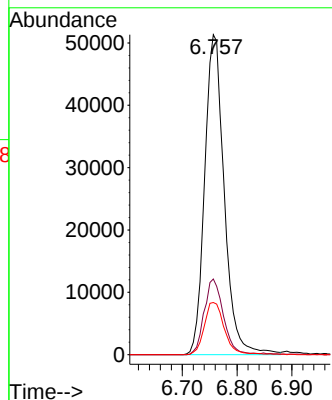
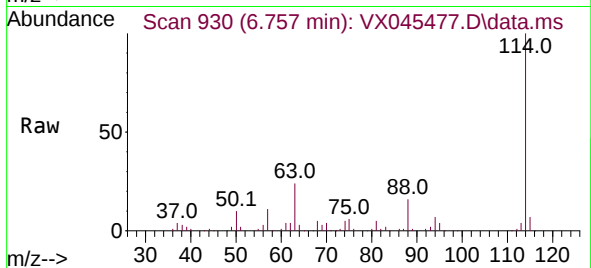




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

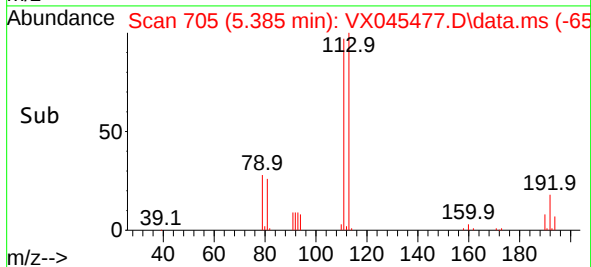
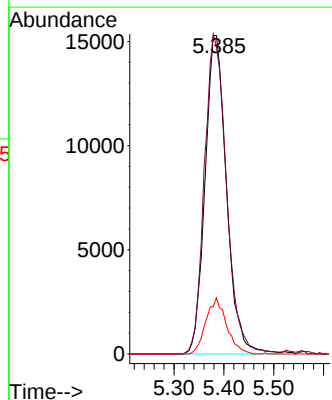
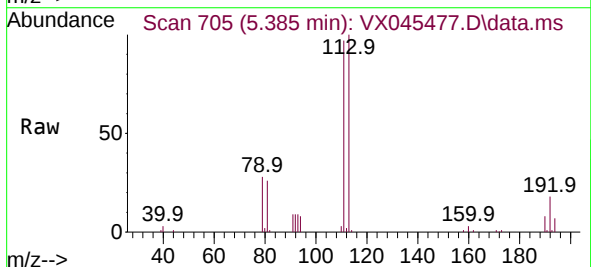
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

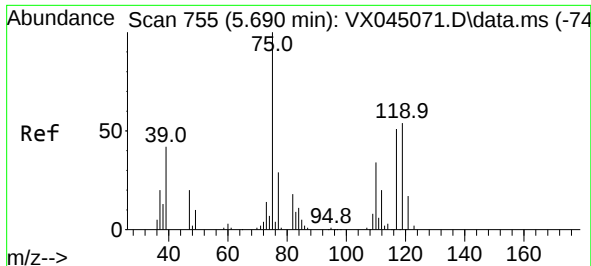
Tgt Ion:114 Resp: 127318
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.727 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

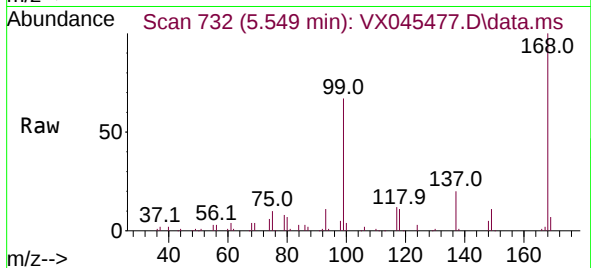
Tgt Ion:113 Resp: 45740
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 16.8 14.3 21.5



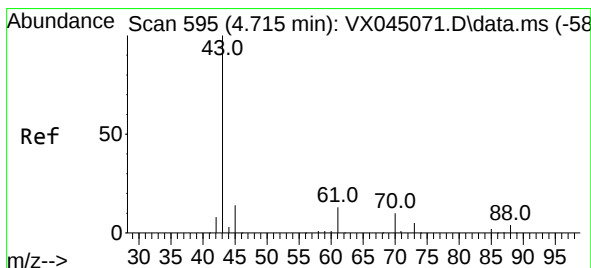
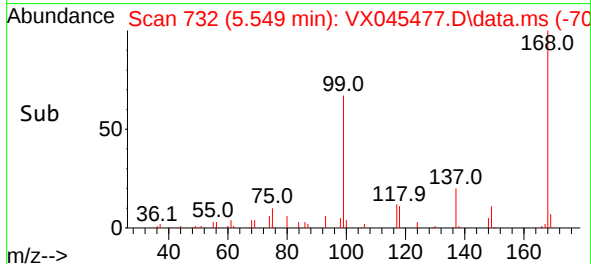
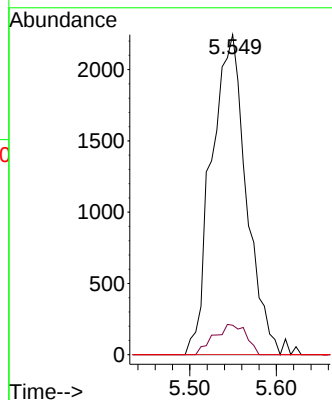


#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

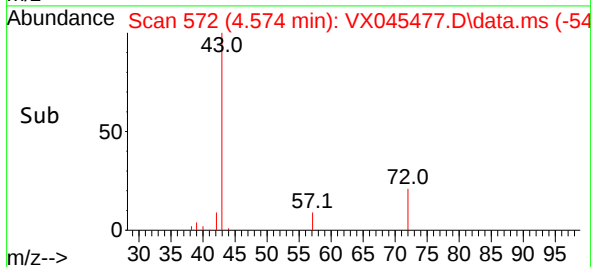
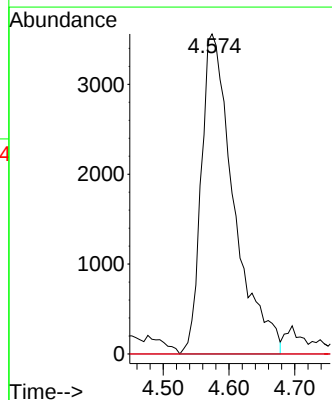
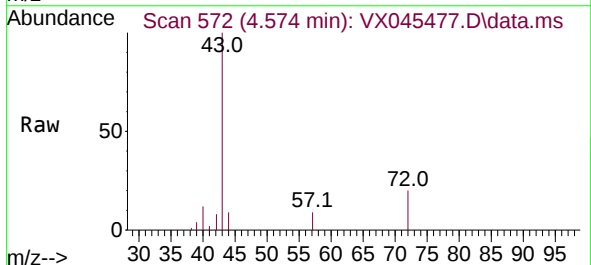


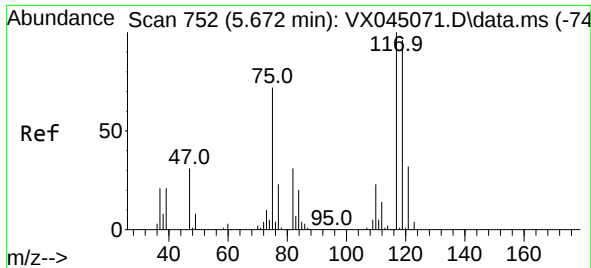
Tgt Ion: 75 Resp: 6263
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.123 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.141 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

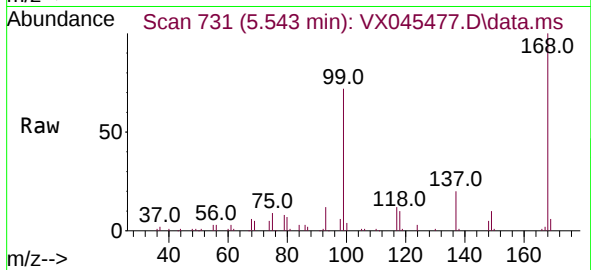
Tgt Ion: 43 Resp: 12221
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



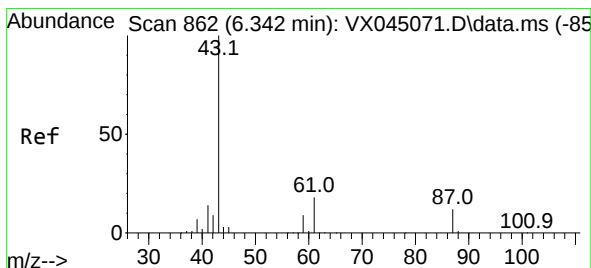
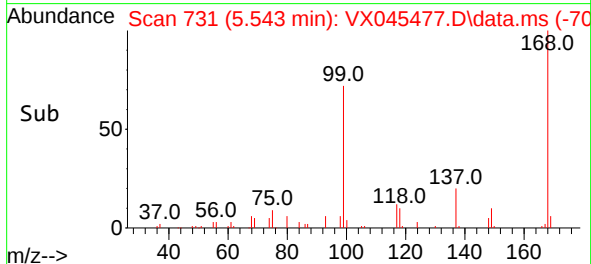
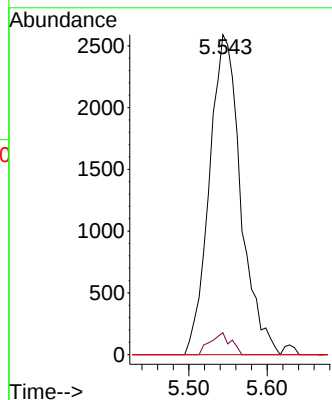


#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

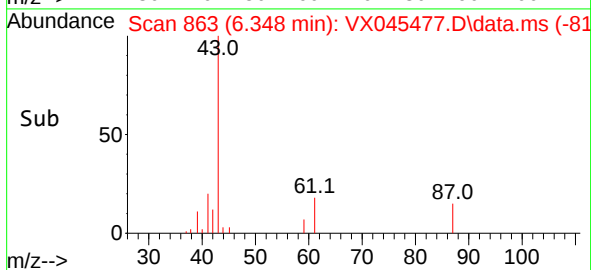
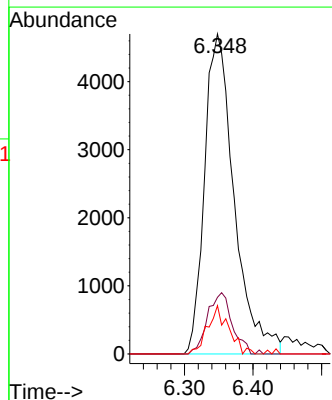
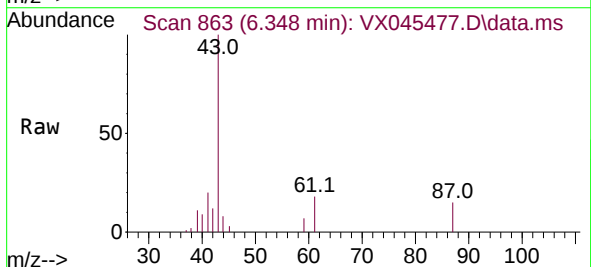


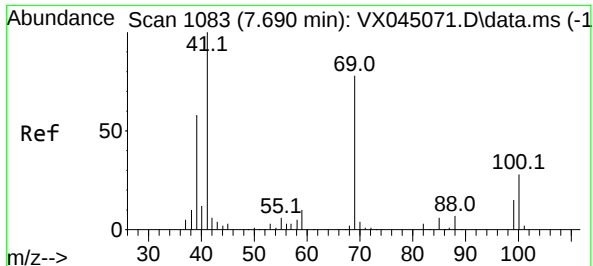
Tgt Ion:117 Resp: 7212
Ion Ratio Lower Upper
117 100
119 6.8 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 6.351 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 43 Resp: 14129
Ion Ratio Lower Upper
43 100
61 15.9 14.9 22.3
87 10.8 9.4 14.2





#48

Methyl methacrylate

Concen: 46.576 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

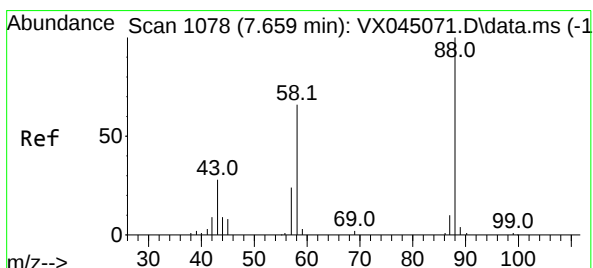
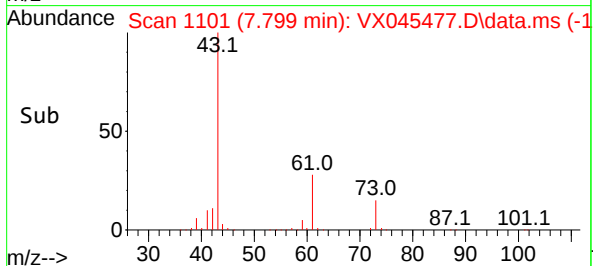
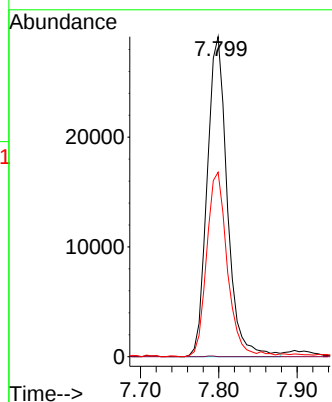
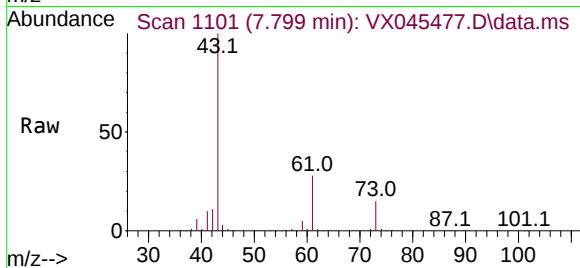
Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#01

Tgt Ion:	41	Resp:	51982
Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.0	94.6#
39	59.2	47.5	71.3



#49

1,4-Dioxane

Concen: 3.993 ug/l

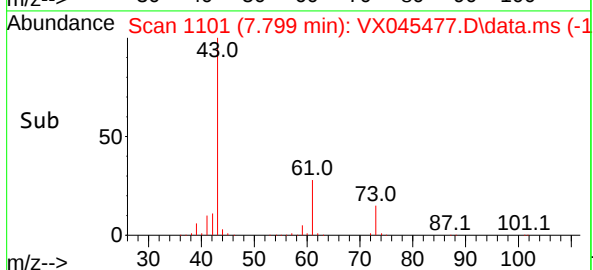
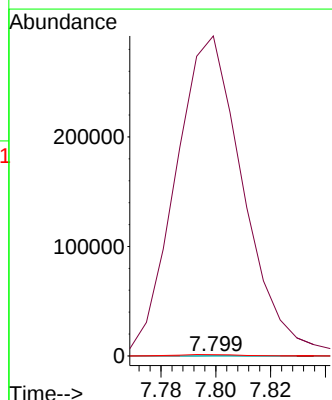
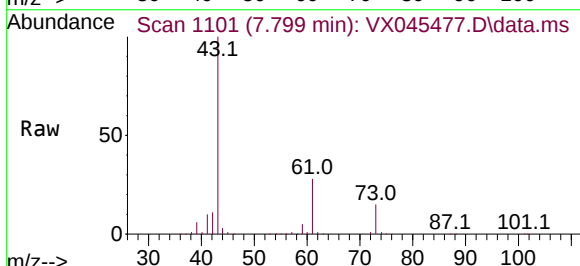
RT: 7.799 min Scan# 1101

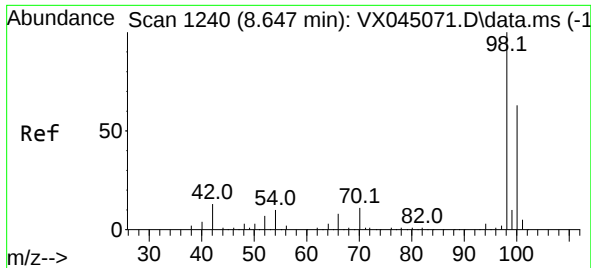
Delta R.T. 0.140 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

Tgt Ion:	88	Resp:	94
Ion	Ratio	Lower	Upper
88	100		
43	550497.9	28.7	43.1#
58	2322.3	55.8	83.8#

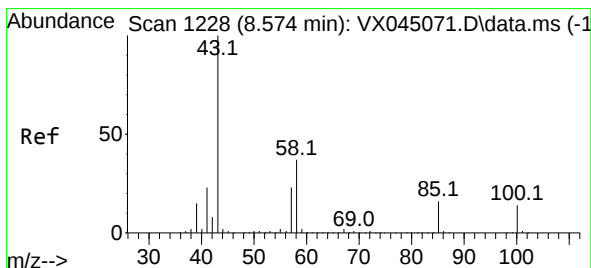
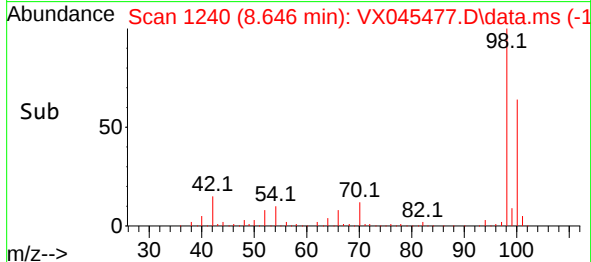
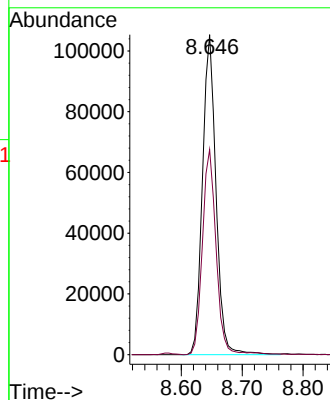
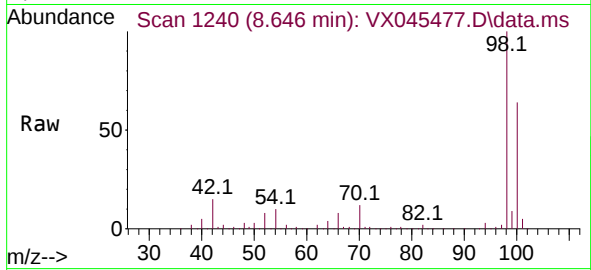




#50
Toluene-d8
Concen: 52.651 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

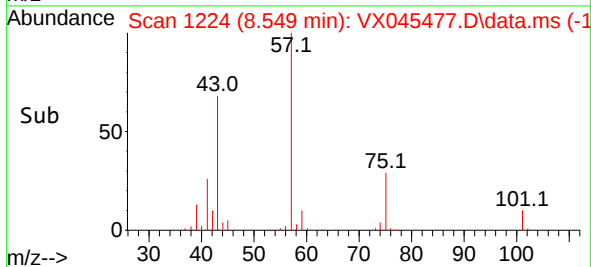
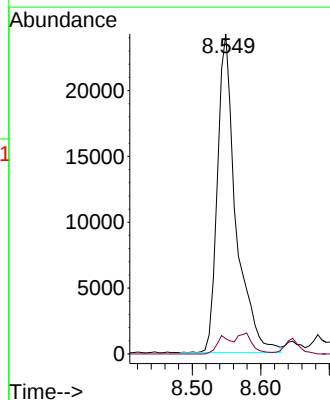
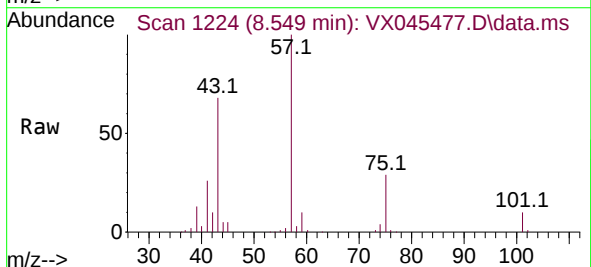
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

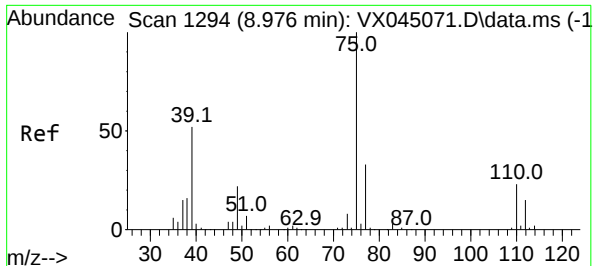
Tgt Ion: 98 Resp: 162502
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 30.393 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 43 Resp: 45399
Ion Ratio Lower Upper
43 100
58 4.6 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.276 ug/l

RT: 8.963 min Scan# 11

Delta R.T. -0.013 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

Instrument :

MSVOA_X

ClientSampleId :

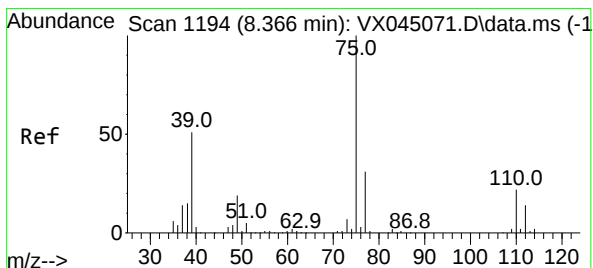
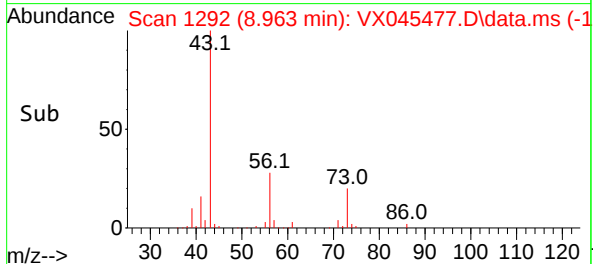
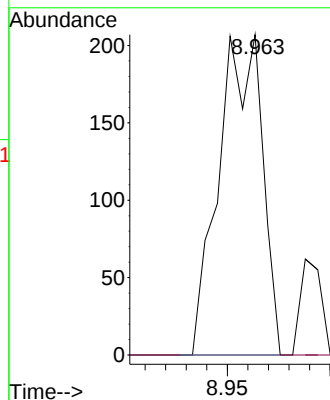
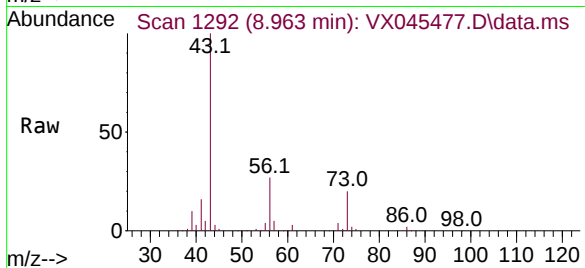
P167330ZHE#01

Tgt Ion: 75 Resp: 303

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 12.920 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045477.D

Acq: 27 Mar 2025 15:13

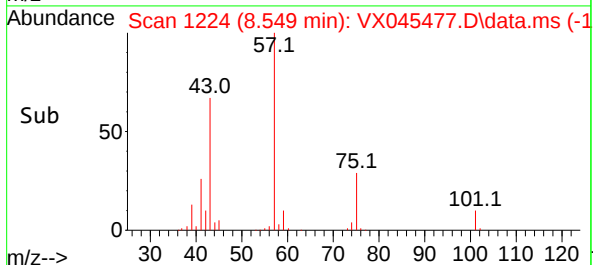
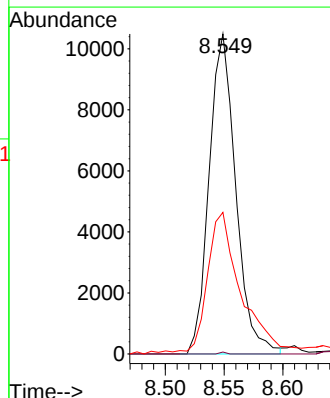
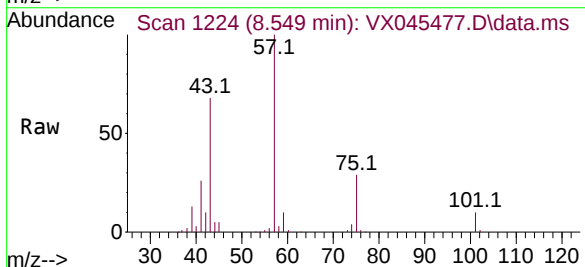
Tgt Ion: 75 Resp: 16552

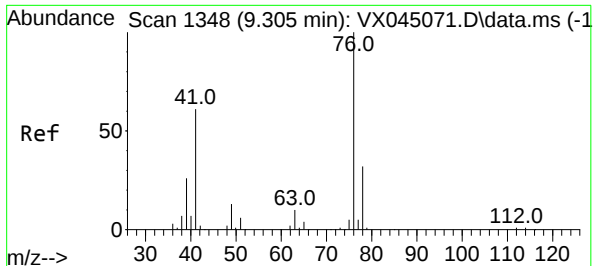
Ion Ratio Lower Upper

75 100

77 0.6 24.7 37.1#

39 43.2 40.7 61.1

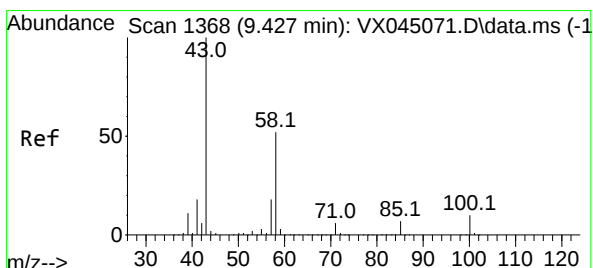
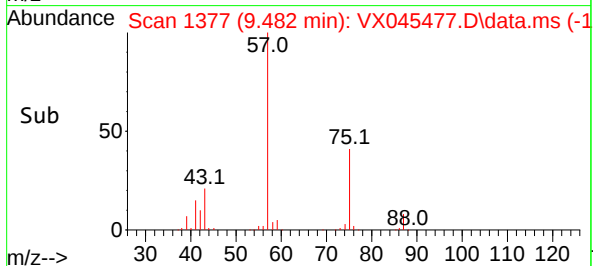
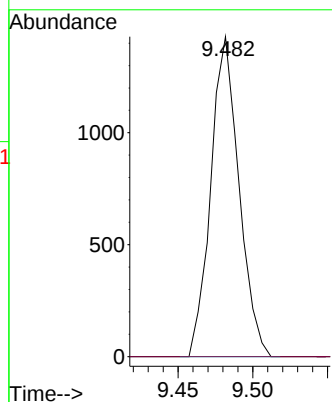
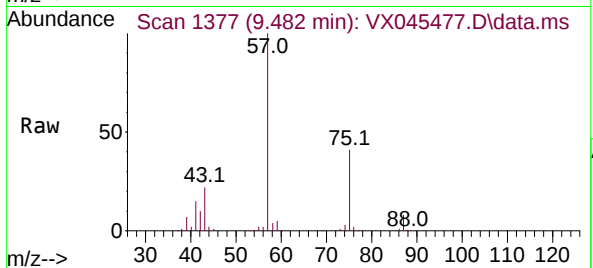




#57
1,3-Dichloropropane
Concen: 1.215 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.176 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

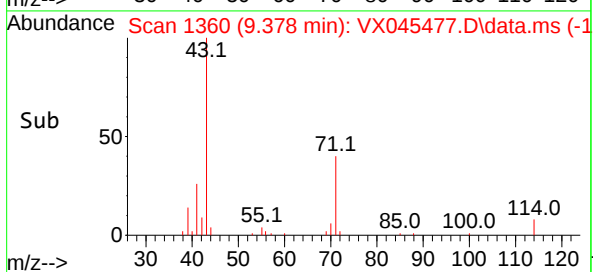
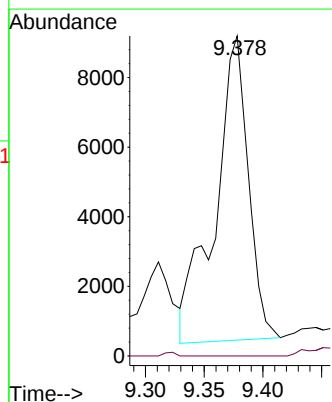
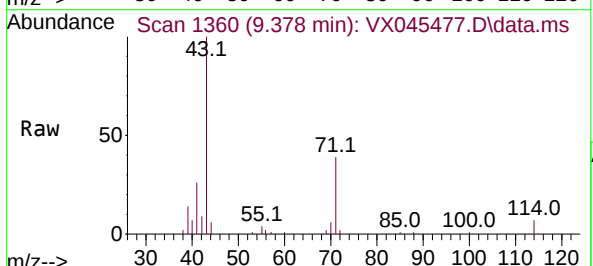
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

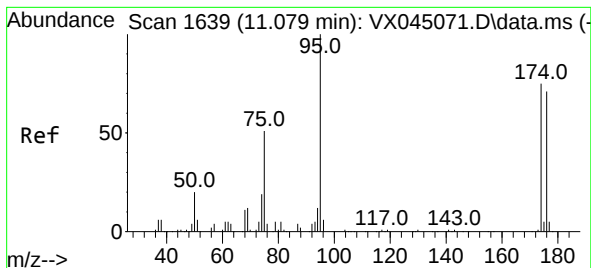
Tgt Ion: 76 Resp: 1873
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 15.927 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 43 Resp: 17237
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#

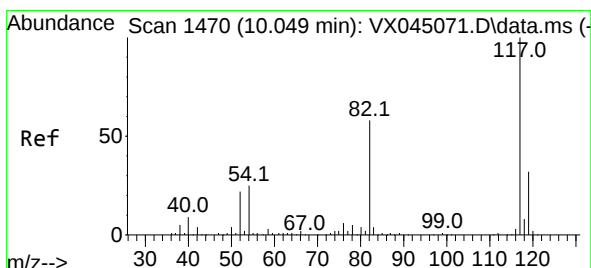
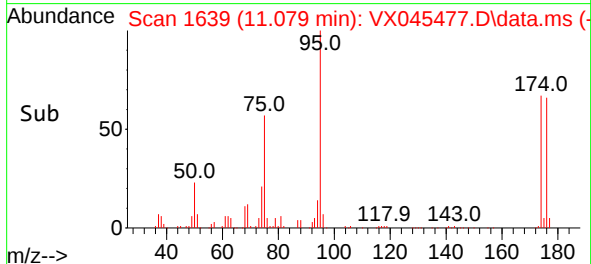
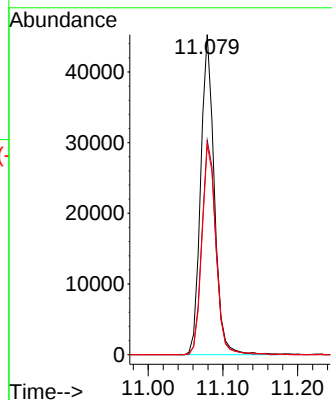
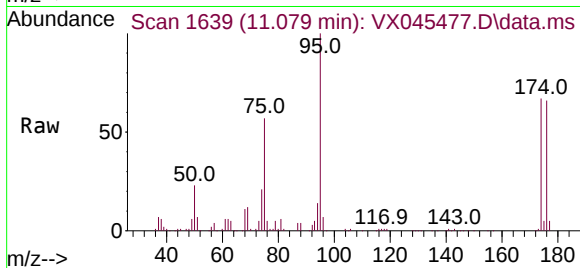




#62
4-Bromofluorobenzene
Concen: 55.938 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

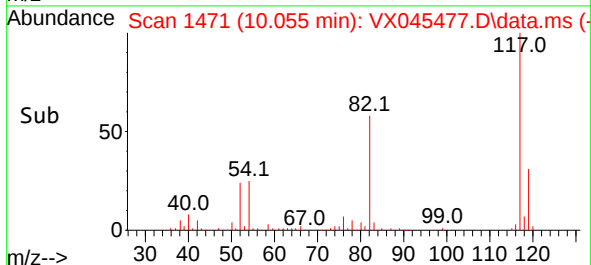
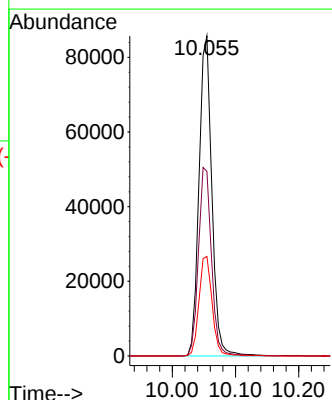
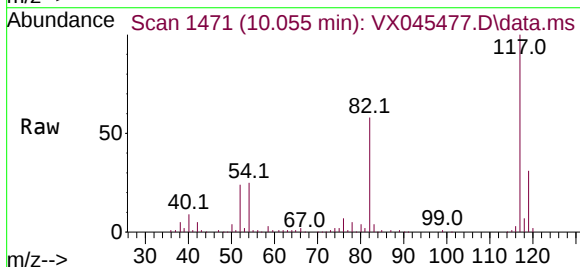
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

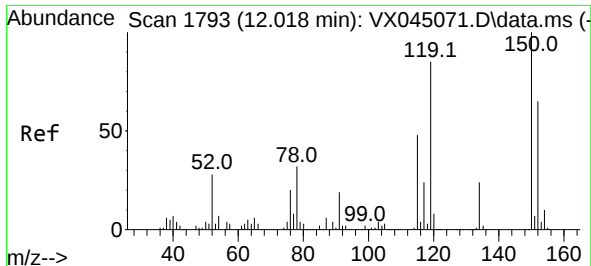
Tgt Ion: 95 Resp: 57210
Ion Ratio Lower Upper
95 100
174 69.1 0.0 148.2
176 67.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 117 Resp: 121237
Ion Ratio Lower Upper
117 100
82 57.7 46.3 69.5
119 31.1 25.7 38.5

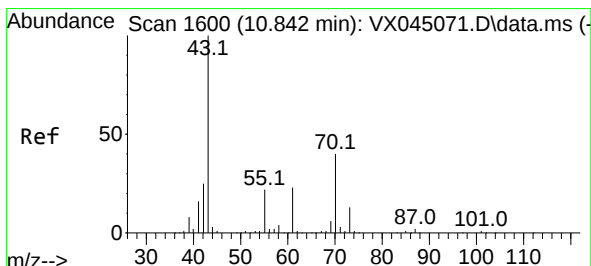
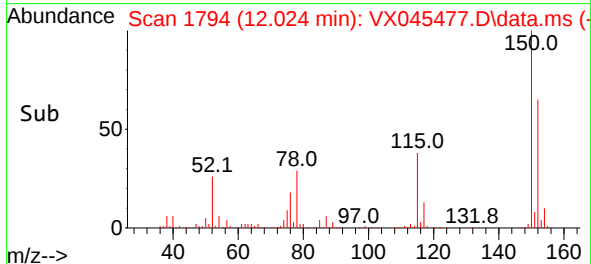
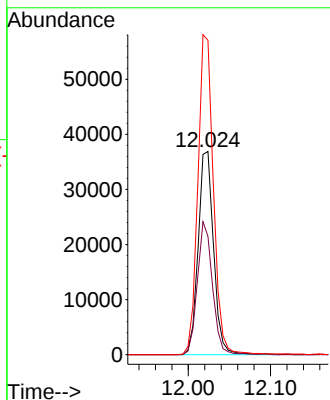
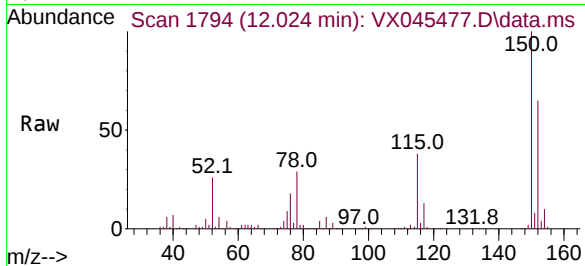




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX045477.D
 Acq: 27 Mar 2025 15:13

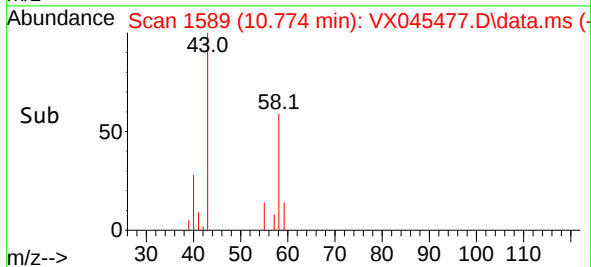
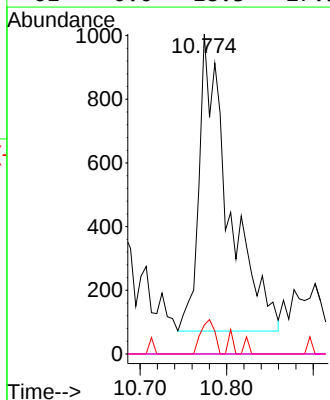
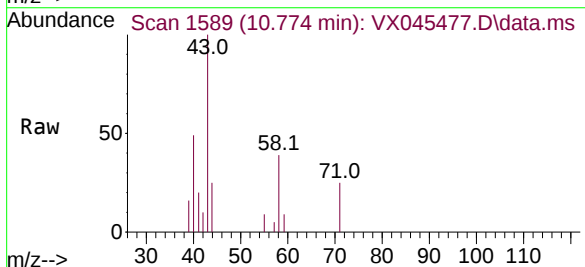
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#01

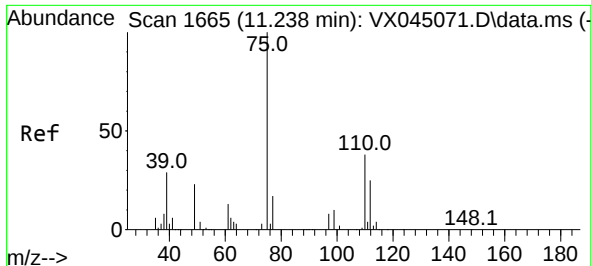
Tgt Ion:152 Resp: 48106
 Ion Ratio Lower Upper
 152 100
 115 63.9 44.2 132.6
 150 159.1 0.0 349.0



#74
 N-amy1 acetate
 Concen: 1.259 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.067 min
 Lab File: VX045477.D
 Acq: 27 Mar 2025 15:13

Tgt Ion: 43 Resp: 2219
 Ion Ratio Lower Upper
 43 100
 70 0.0 31.8 47.6#
 55 5.4 18.3 27.5#
 61 0.0 18.3 27.5#

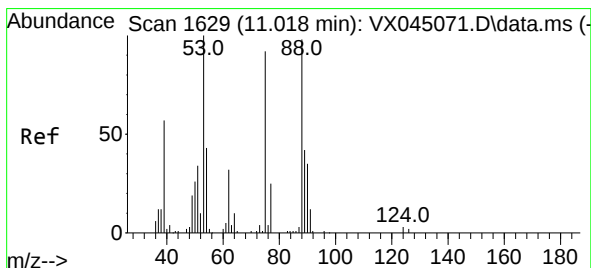
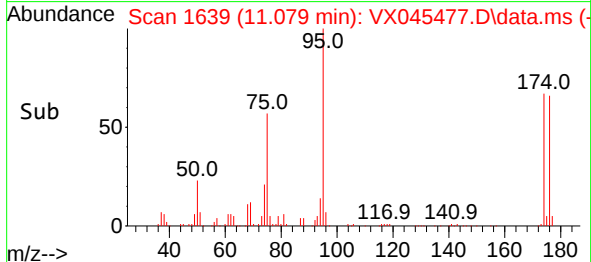
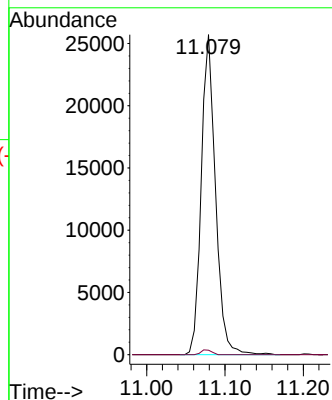
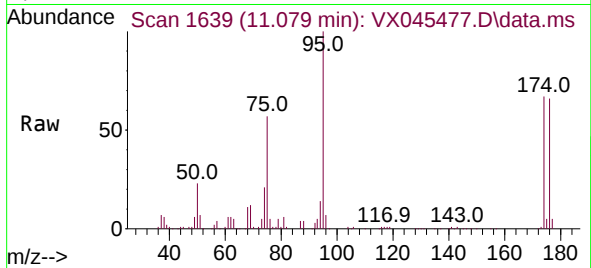




#76
1,2,3-Trichloropropane
Concen: 29.040 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#01

Tgt Ion: 75 Resp: 32515
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.379 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045477.D
Acq: 27 Mar 2025 15:13

Tgt Ion: 75 Resp: 32515
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

