

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045478.D
 Acq On : 27 Mar 2025 15:34
 Operator : JC/MD
 Sample : P167330ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#02

Quant Time: Mar 28 01:35:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

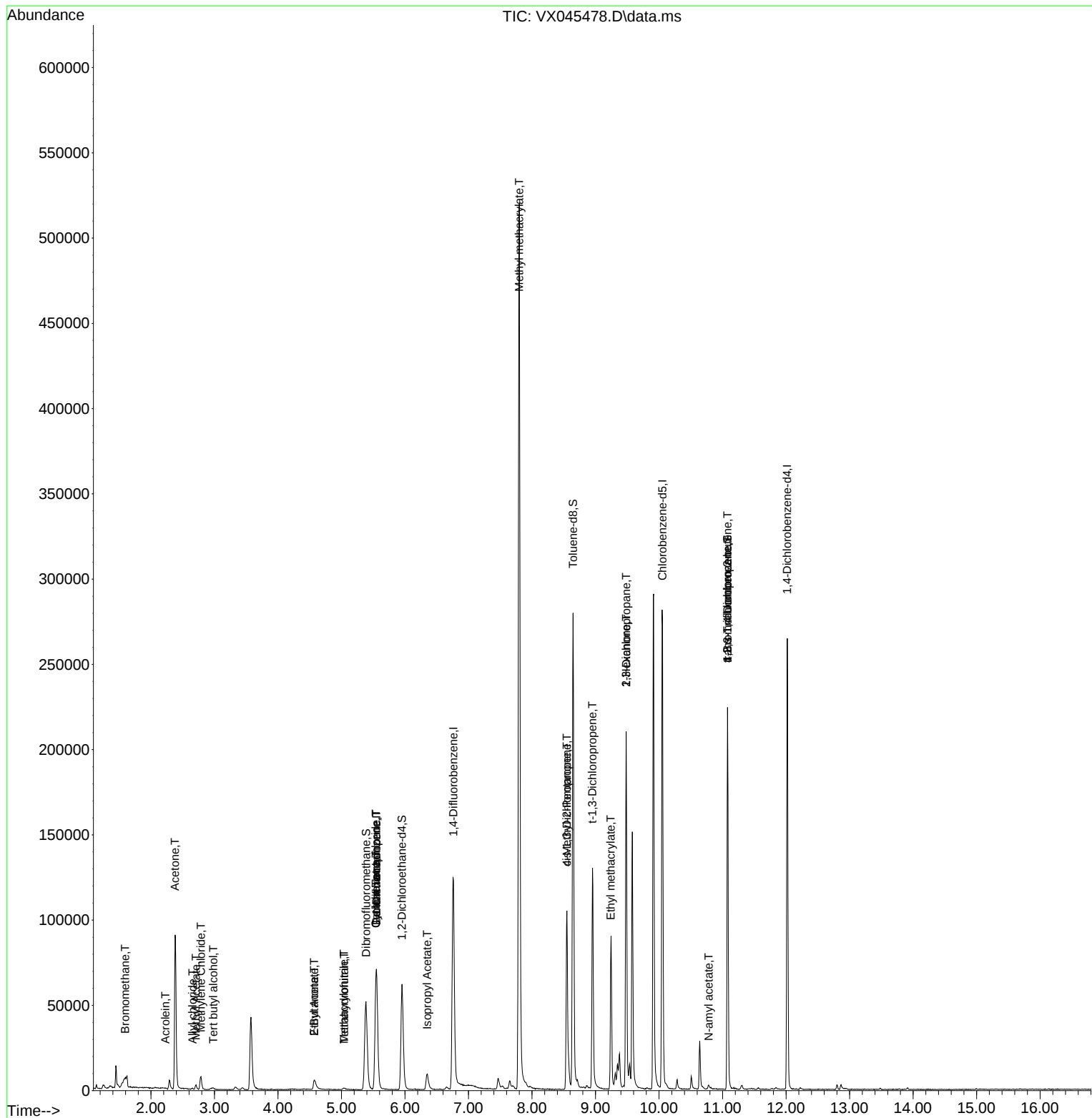
Internal Standards						
1) Pentafluorobenzene	5.550	168	63047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59238	59.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.140%			
35) Dibromofluoromethane	5.385	113	44037	52.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	8.647	98	160005	52.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.820%			
62) 4-Bromofluorobenzene	11.079	95	56699	56.577	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.160%			
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	150	0.396	ug/l #	76
11) Tert butyl alcohol	2.983	59	1506	7.928	ug/l #	78
13) Acrolein	2.227	56	119	0.542	ug/l #	74
14) Allyl chloride	2.654	41	707	0.513	ug/l #	58
16) Acetone	2.380	43	101501	218.144	ug/l	95
18) Methyl Acetate	2.709	43	3231	2.887	ug/l	98
20) Methylene Chloride	2.788	84	3349	3.634	ug/l	89
25) 2-Butanone	4.568	43	11757	16.787	ug/l	97
29) Tetrahydrofuran	5.044	42	683	1.452	ug/l	93
31) Cyclohexane	5.544	56	1977	1.449	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	6258	5.470	ug/l #	45
37) Ethyl Acetate	4.568	43	11757	7.976	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7213	6.210	ug/l #	15
41) Methacrylonitrile	5.038	41	473	0.593	ug/l #	32
43) Isopropyl Acetate	6.348	43	13705	6.287	ug/l	98
48) Methyl methacrylate	7.799	41	51316	46.924	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	45059	30.786	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	220	0.204	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	15992	12.739	ug/l #	73
56) Ethyl methacrylate	9.238	69	281	0.212	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1674	1.109	ug/l #	43
59) 2-Hexanone	9.482	43	25740	24.272	ug/l #	57
74) N-amyl acetate	10.780	43	2100	1.183	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	32539	28.833	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32539	98.673	ug/l #	6

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
Data File : VX045478.D
Acq On : 27 Mar 2025 15:34
Operator : JC/MD
Sample : P167330ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

Quant Time: Mar 28 01:35:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

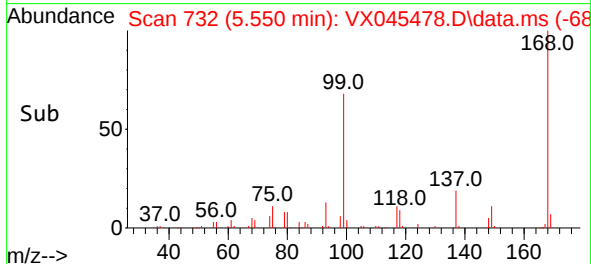
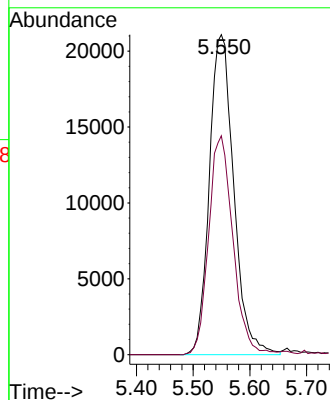
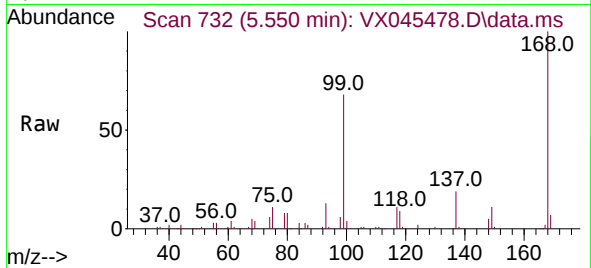




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

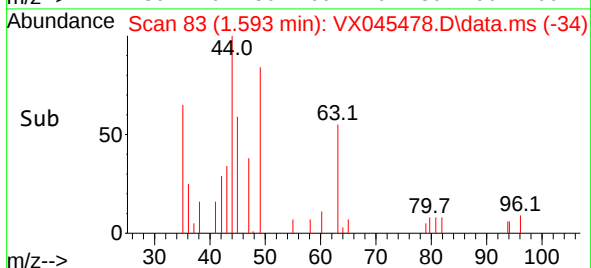
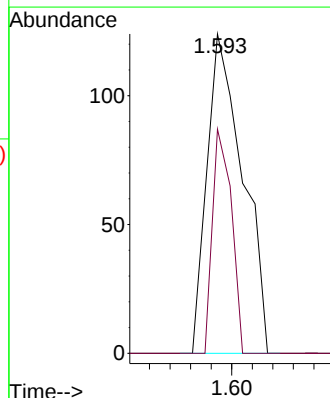
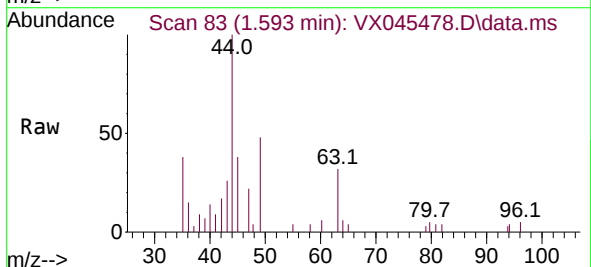
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

Tgt Ion:168 Resp: 63047
Ion Ratio Lower Upper
168 100
99 68.4 48.2 72.4



#5
Bromomethane
Concen: 0.396 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion: 94 Resp: 150
Ion Ratio Lower Upper
94 100
96 70.2 75.0 112.4#





#11

Tert butyl alcohol

Concen: 7.928 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.000 min

Lab File: VX045478.D

Acq: 27 Mar 2025 15:34

Instrument :

MSVOA_X

ClientSampleId :

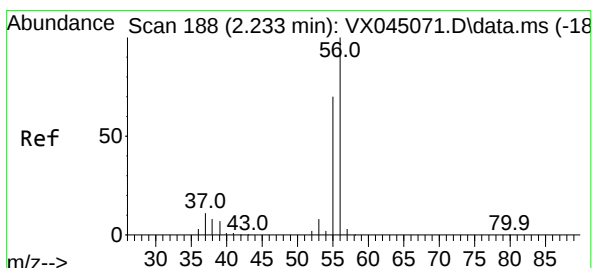
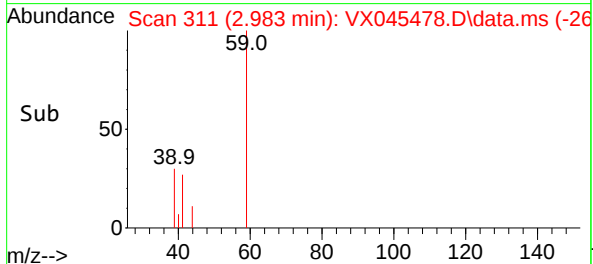
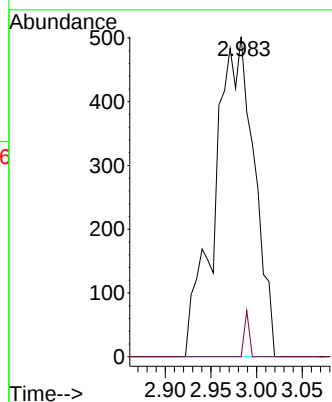
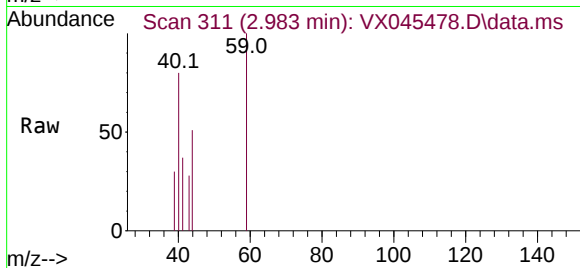
P167330ZHE#02

Tgt Ion: 59 Resp: 1506

Ion Ratio Lower Upper

59 100

57 1.7 7.8 11.8#



#13

Acrolein

Concen: 0.542 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX045478.D

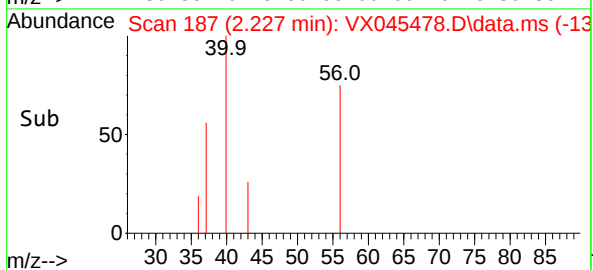
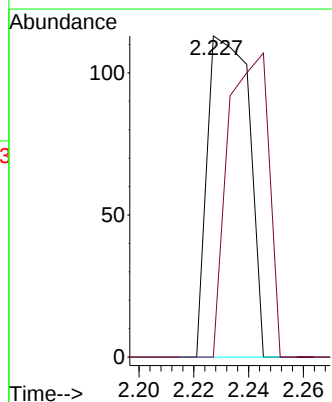
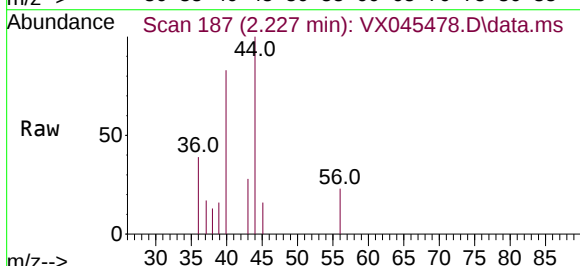
Acq: 27 Mar 2025 15:34

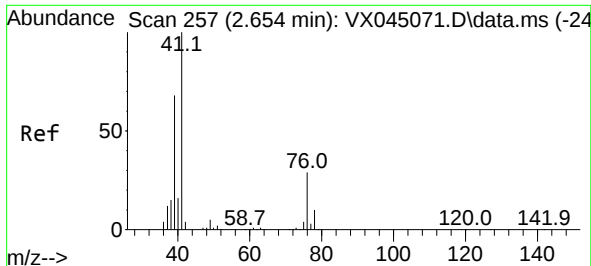
Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 91.6 56.2 84.4#

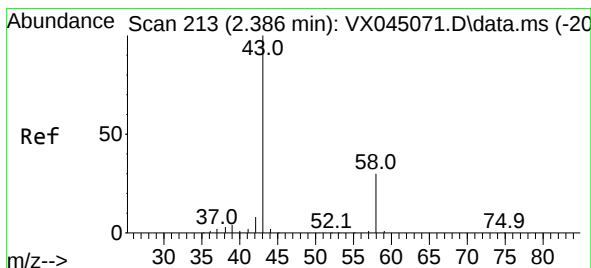
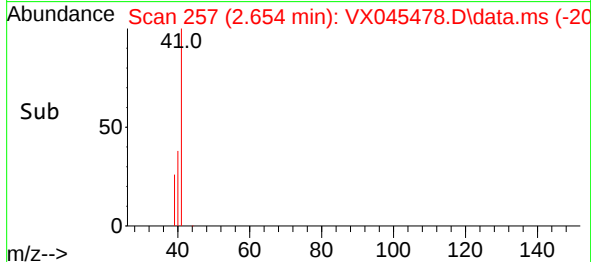
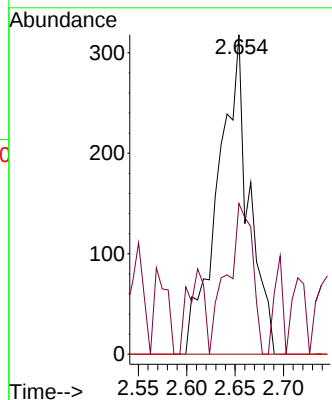
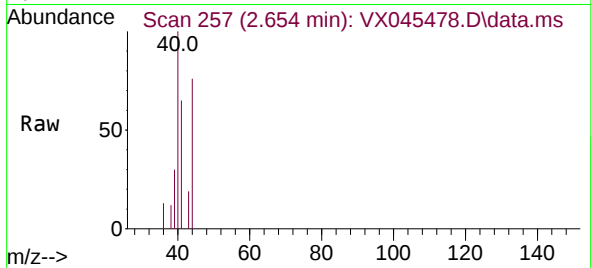




#14
 Allyl chloride
 Concen: 0.513 ug/l
 RT: 2.654 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX045478.D
 Acq: 27 Mar 2025 15:34

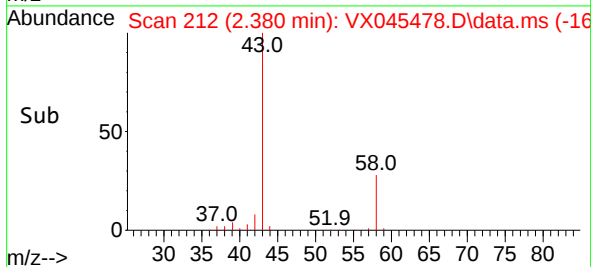
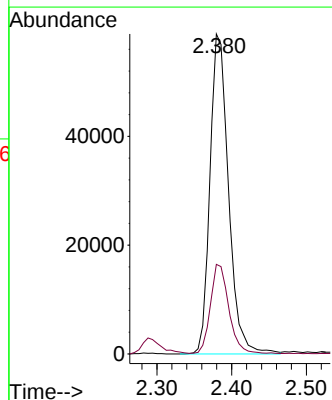
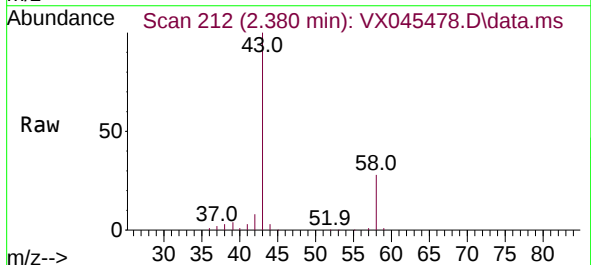
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#02

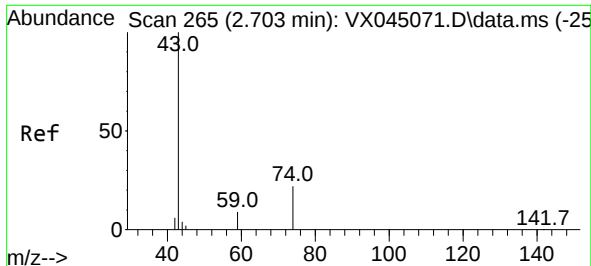
Tgt Ion: 41 Resp: 707
 Ion Ratio Lower Upper
 41 100
 39 38.6 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 218.144 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045478.D
 Acq: 27 Mar 2025 15:34

Tgt Ion: 43 Resp: 101501
 Ion Ratio Lower Upper
 43 100
 58 27.8 24.2 36.4





#18

Methyl Acetate

Concen: 2.887 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045478.D

Acq: 27 Mar 2025 15:34

Instrument :

MSVOA_X

ClientSampleId :

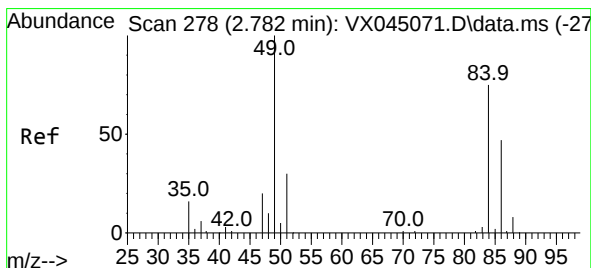
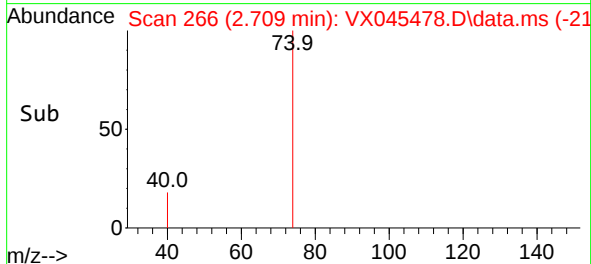
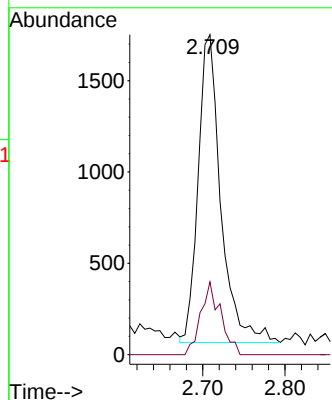
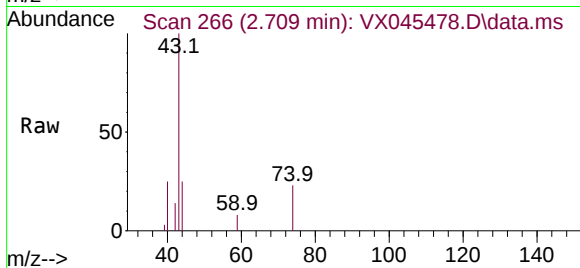
P167330ZHE#02

Tgt Ion: 43 Resp: 3231

Ion Ratio Lower Upper

43 100

74 20.6 17.4 26.2



#20

Methylene Chloride

Concen: 3.634 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX045478.D

Acq: 27 Mar 2025 15:34

Tgt Ion: 84 Resp: 3349

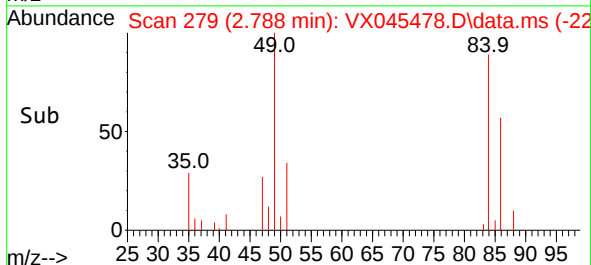
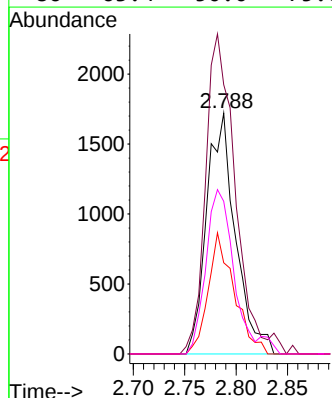
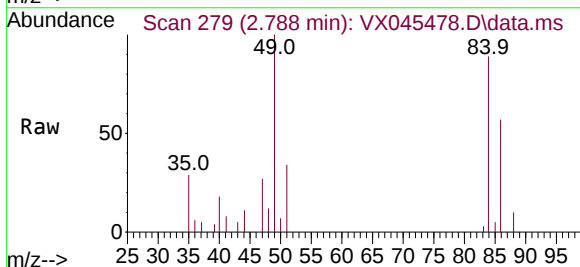
Ion Ratio Lower Upper

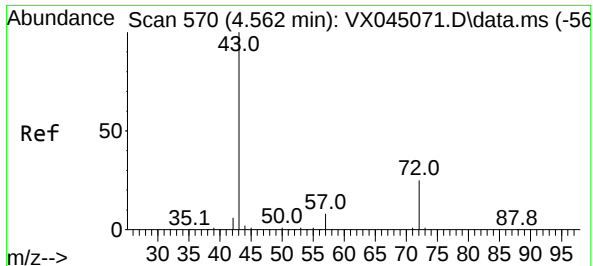
84 100

49 111.8 106.5 159.7

51 37.8 32.1 48.1

86 63.4 50.0 75.0





#25

2-Butanone

Concen: 16.787 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045478.D

Acq: 27 Mar 2025 15:34

Instrument :

MSVOA_X

ClientSampleId :

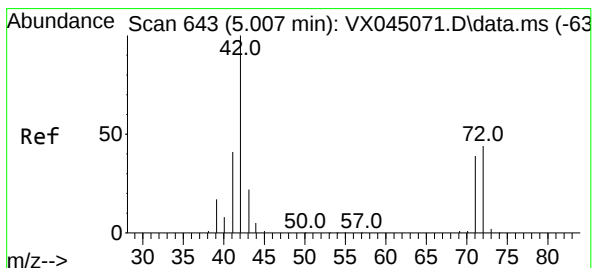
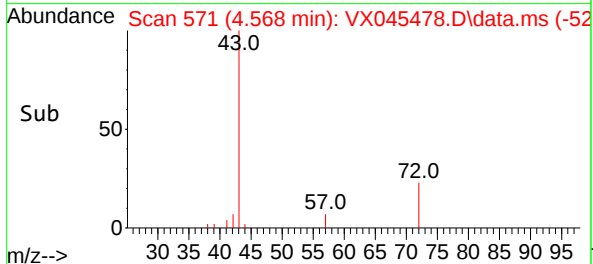
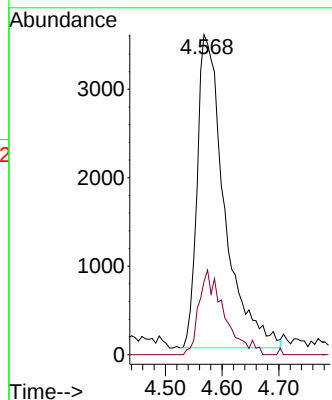
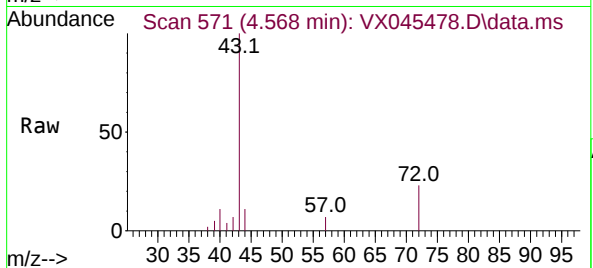
P167330ZHE#02

Tgt Ion: 43 Resp: 11757

Ion Ratio Lower Upper

43 100

72 23.4 20.0 30.0



#29

Tetrahydrofuran

Concen: 1.452 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.036 min

Lab File: VX045478.D

Acq: 27 Mar 2025 15:34

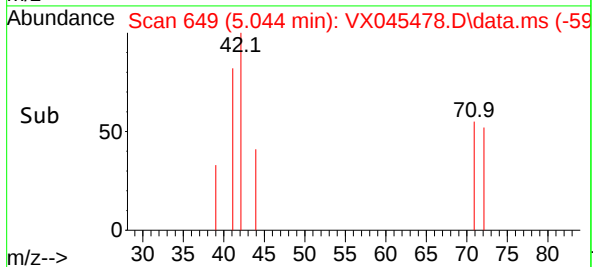
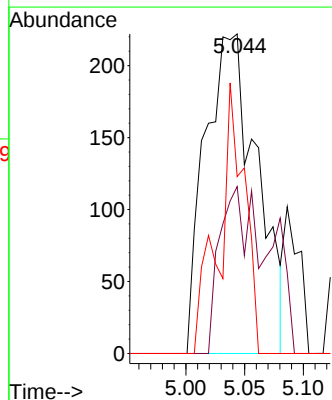
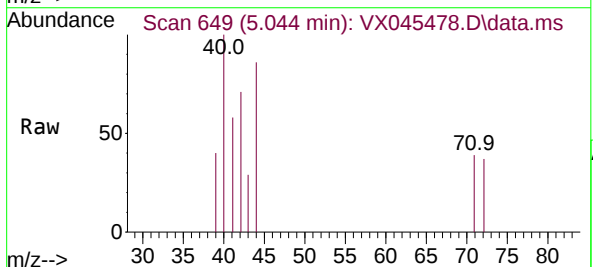
Tgt Ion: 42 Resp: 683

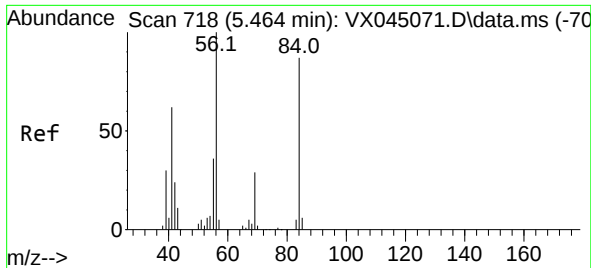
Ion Ratio Lower Upper

42 100

72 36.9 34.1 51.1

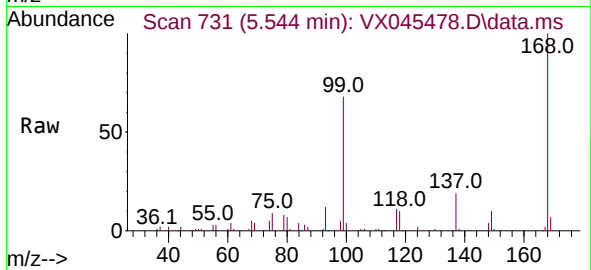
71 41.6 31.4 47.0



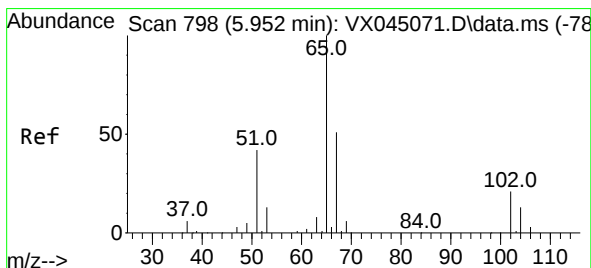
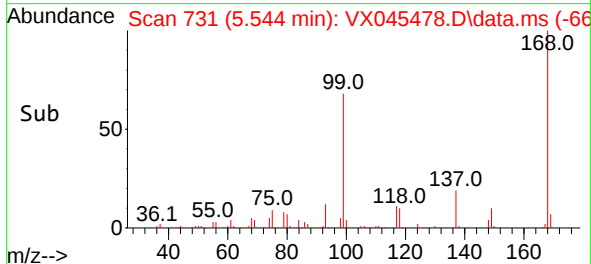
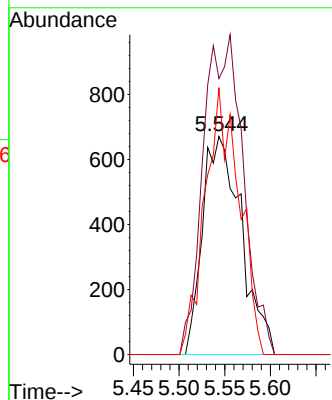


#31
Cyclohexane
Concen: 1.449 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

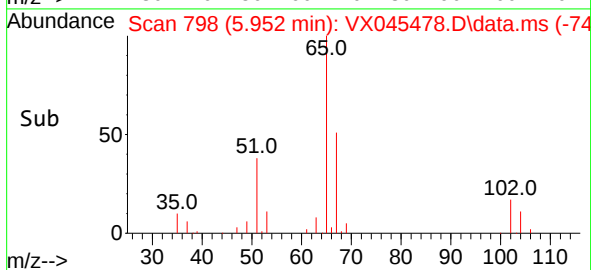
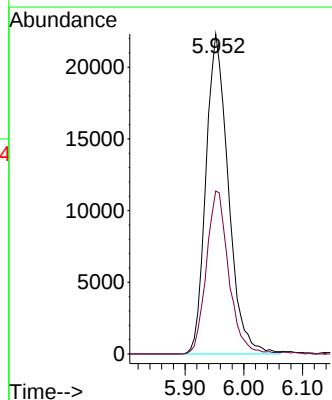
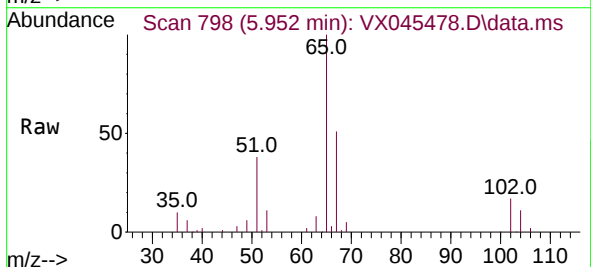


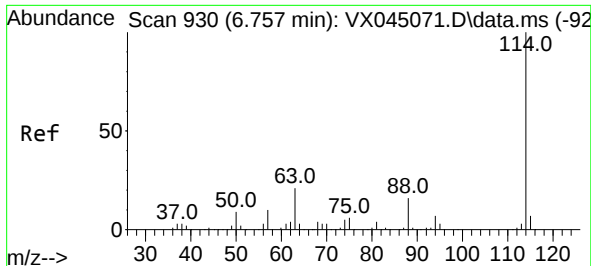
Tgt Ion: 56 Resp: 1977
Ion Ratio Lower Upper
56 100
69 126.5 23.4 35.2#
84 133.7 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 59.069 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion: 65 Resp: 59238
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.2

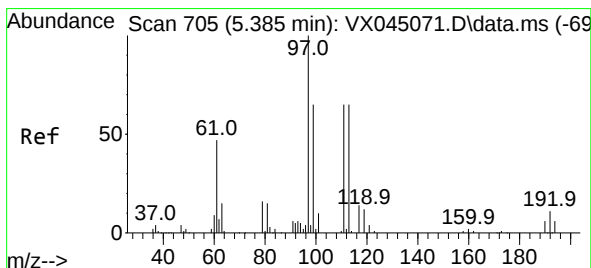
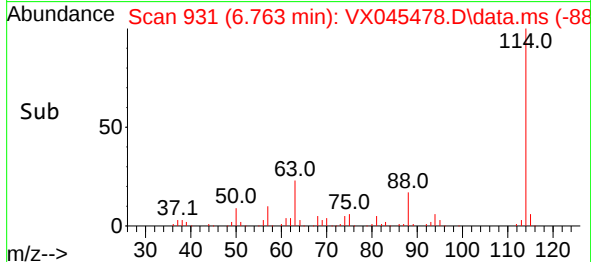
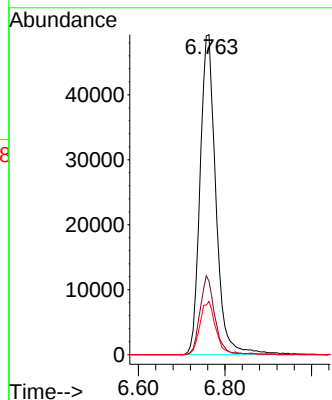
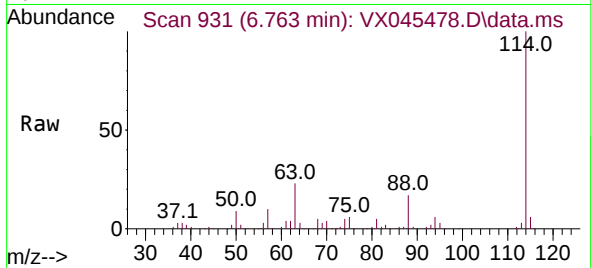




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

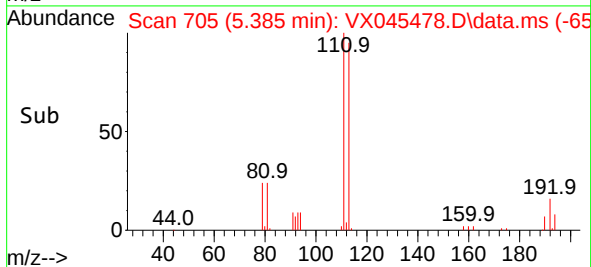
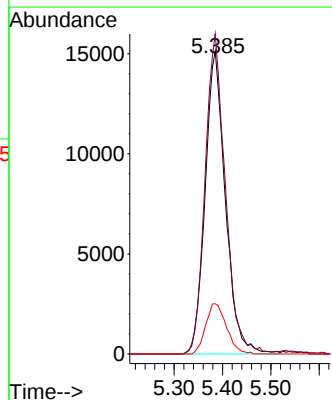
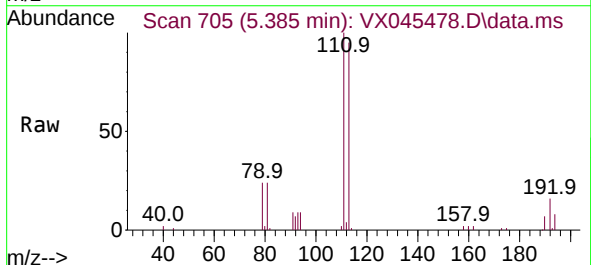
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

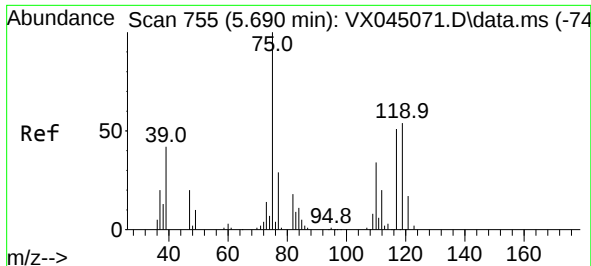
Tgt Ion:114 Resp: 124754
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.790 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion:113 Resp: 44037
Ion Ratio Lower Upper
113 100
111 105.8 81.8 122.6
192 17.0 14.3 21.5

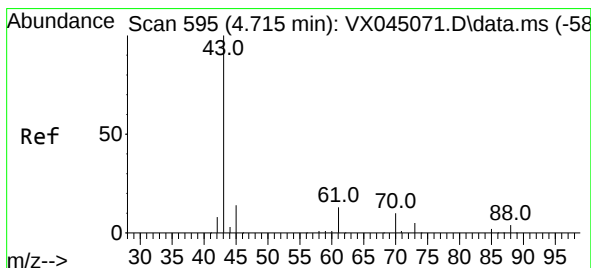
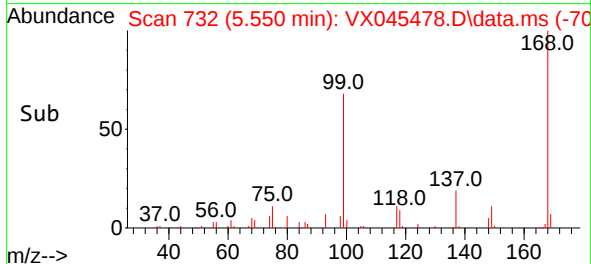
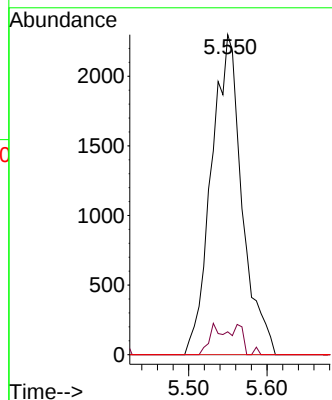
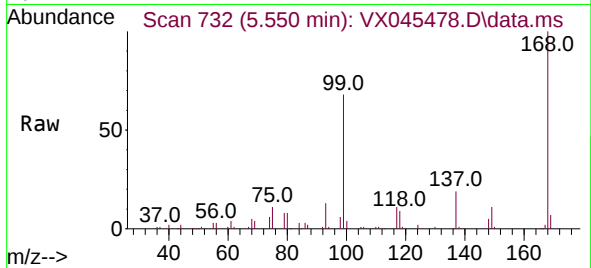




#36
1,1-Dichloropropene
Concen: 5.470 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

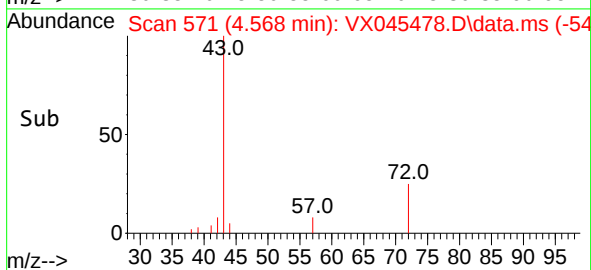
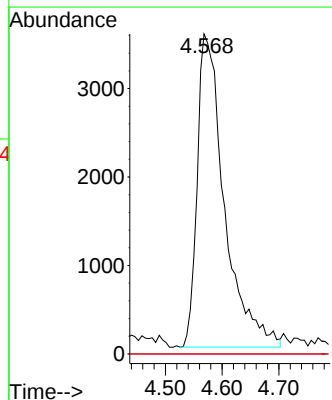
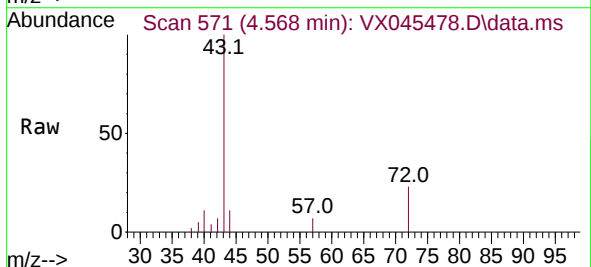
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

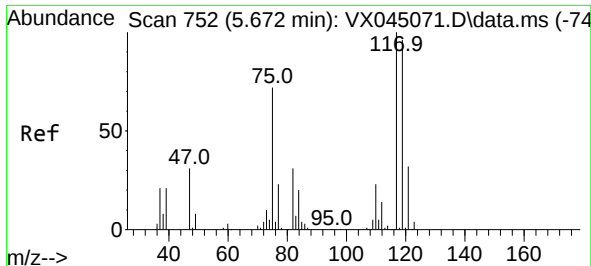
Tgt Ion: 75 Resp: 6258
Ion Ratio Lower Upper
75 100
110 2.4 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 7.976 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

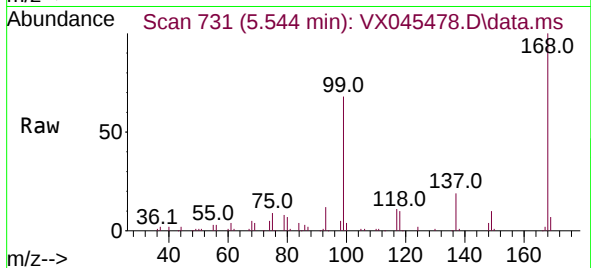
Tgt Ion: 43 Resp: 11757
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



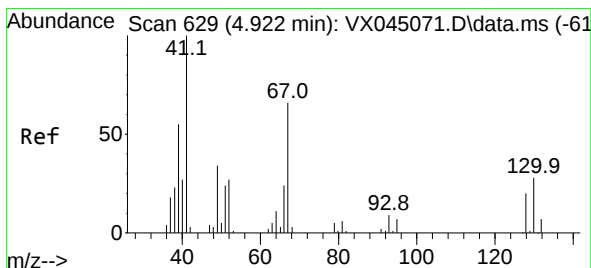
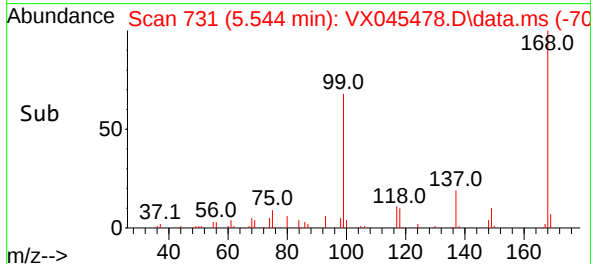
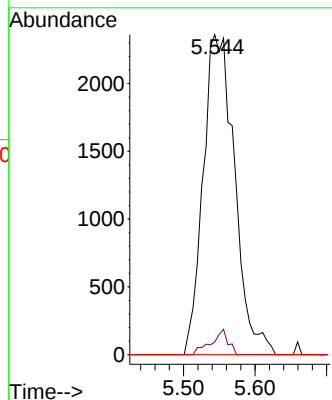


#38
Carbon Tetrachloride
Concen: 6.210 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

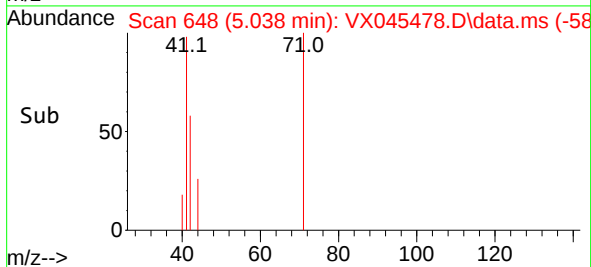
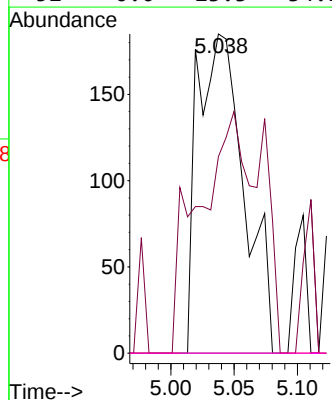
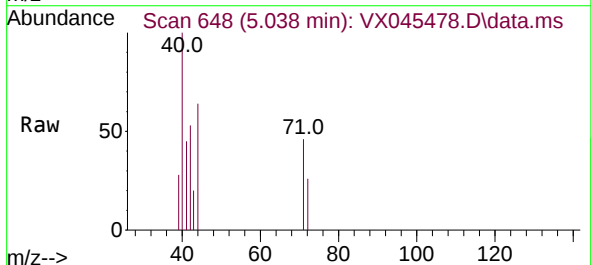


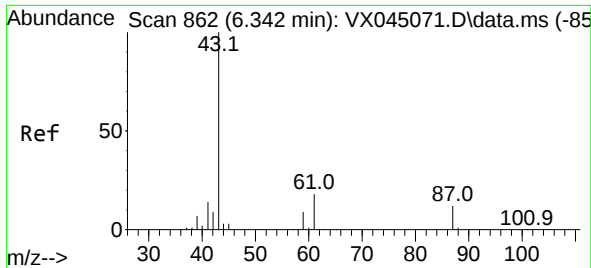
Tgt Ion:117 Resp: 7213
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: 0.593 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion: 41 Resp: 473
Ion Ratio Lower Upper
41 100
39 14.4 44.6 67.0#
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#

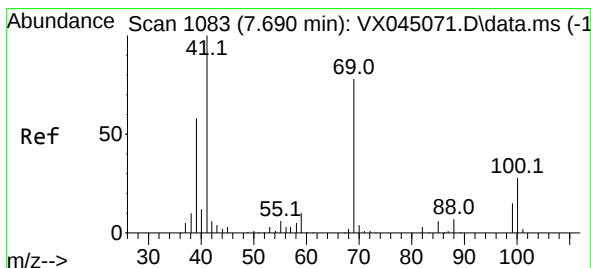
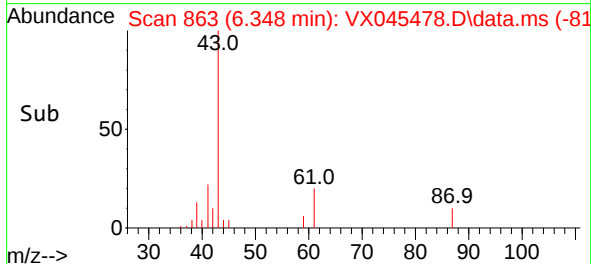
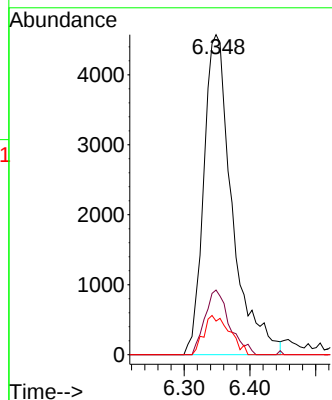
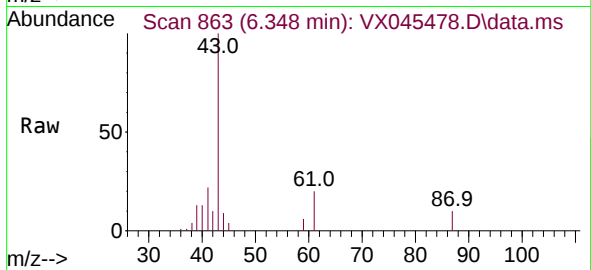




#43
Isopropyl Acetate
Concen: 6.287 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

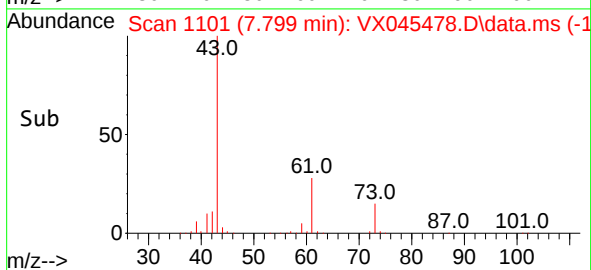
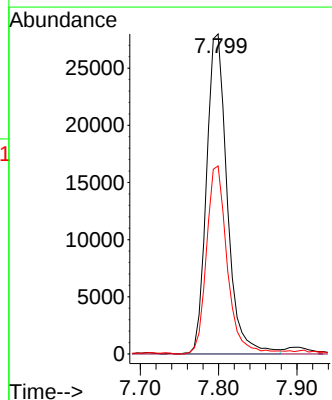
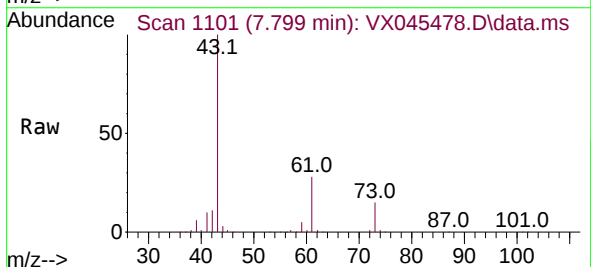
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

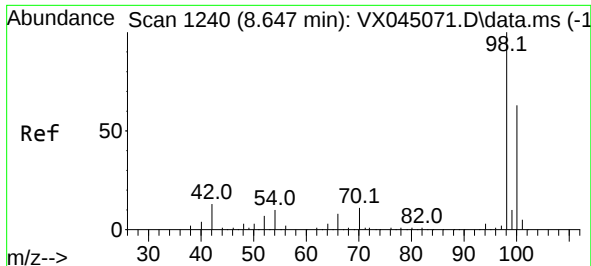
Tgt Ion: 43 Resp: 13705
Ion Ratio Lower Upper
43 100
61 17.5 14.9 22.3
87 11.1 9.4 14.2



#48
Methyl methacrylate
Concen: 46.924 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion: 41 Resp: 51316
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 58.6 47.5 71.3

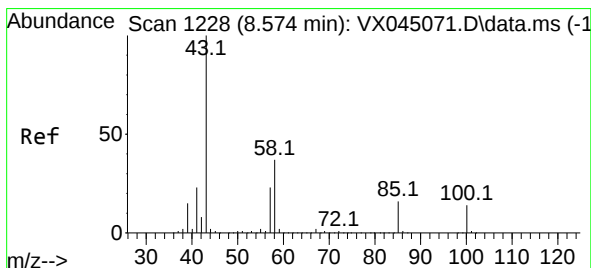
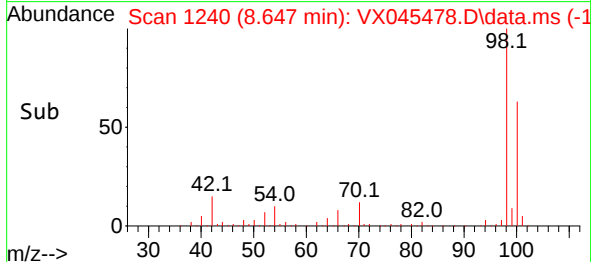
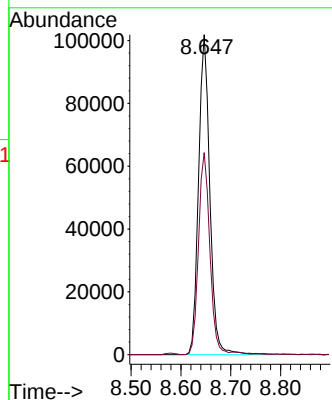
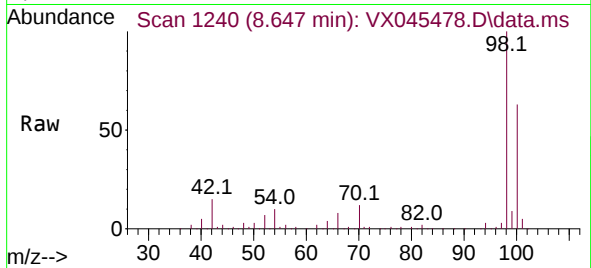




#50
Toluene-d8
Concen: 52.907 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

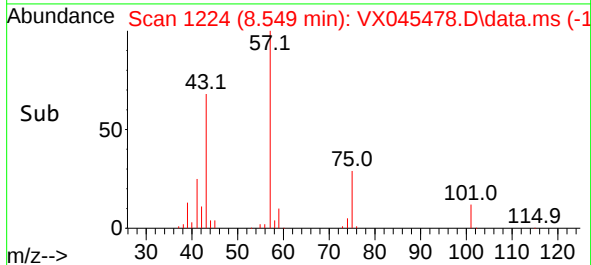
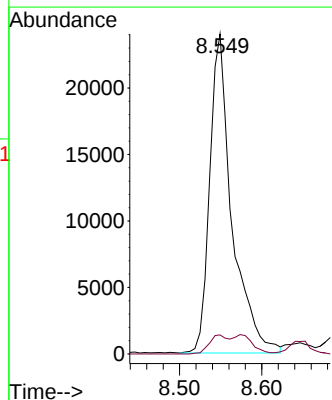
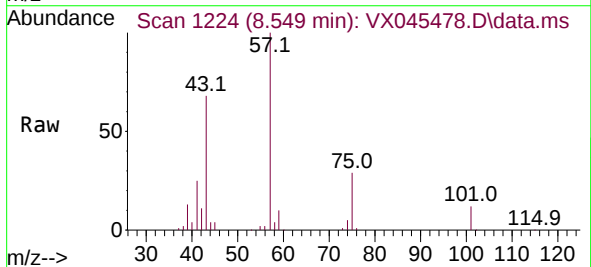
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

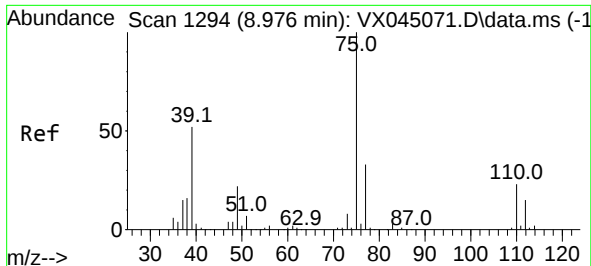
Tgt Ion: 98 Resp: 160005
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 30.786 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion: 43 Resp: 45059
Ion Ratio Lower Upper
43 100
58 5.3 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.204 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045478.D

Acq: 27 Mar 2025 15:34

Instrument :

MSVOA_X

ClientSampleId :

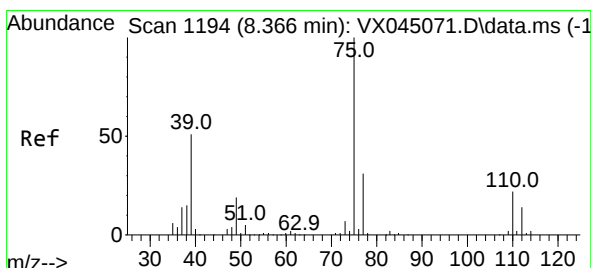
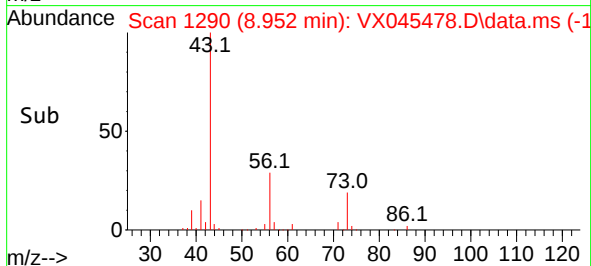
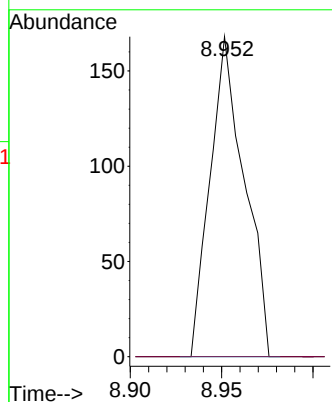
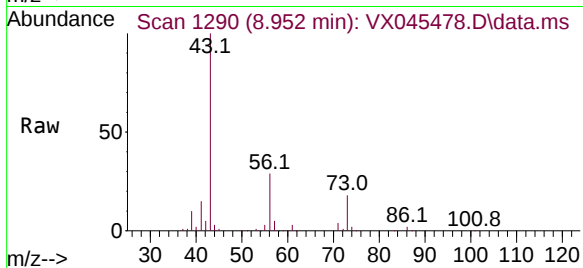
P167330ZHE#02

Tgt Ion: 75 Resp: 220

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 12.739 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045478.D

Acq: 27 Mar 2025 15:34

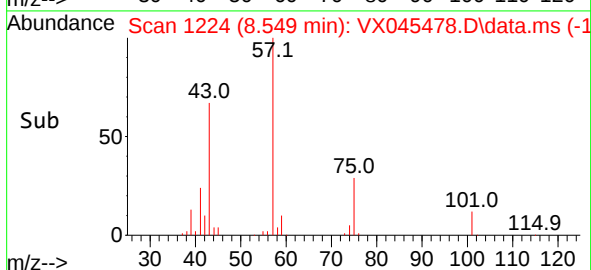
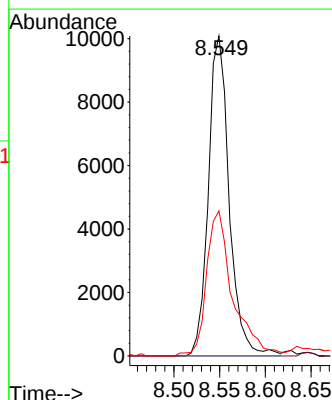
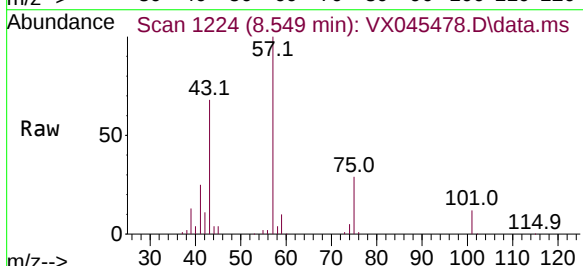
Tgt Ion: 75 Resp: 15992

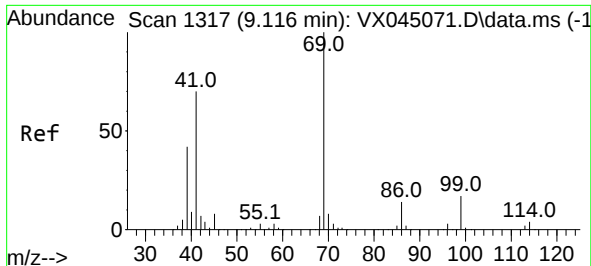
Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

39 44.4 40.7 61.1

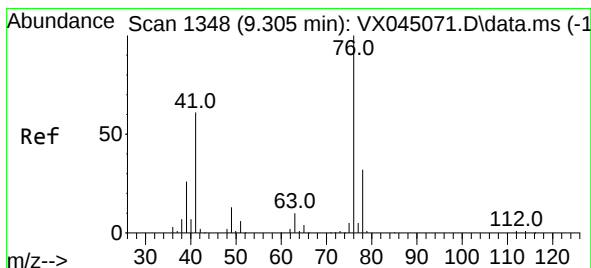
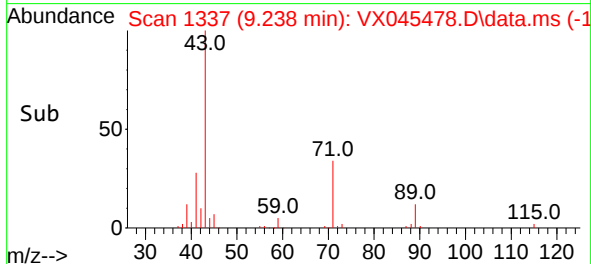
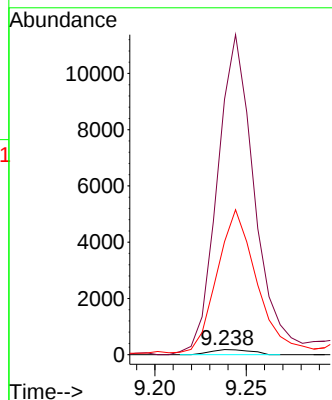
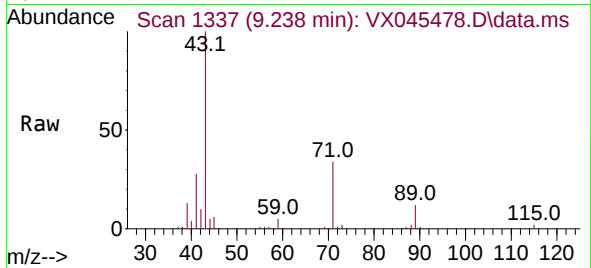




#56
Ethyl methacrylate
Concen: 0.212 ug/l
RT: 9.238 min Scan# 11
Delta R.T. 0.122 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

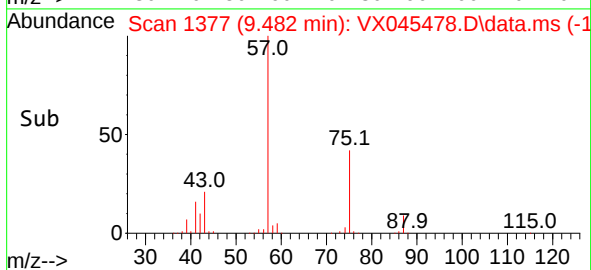
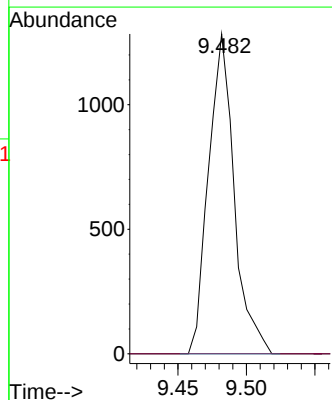
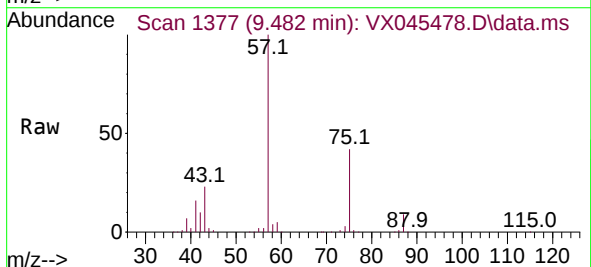
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

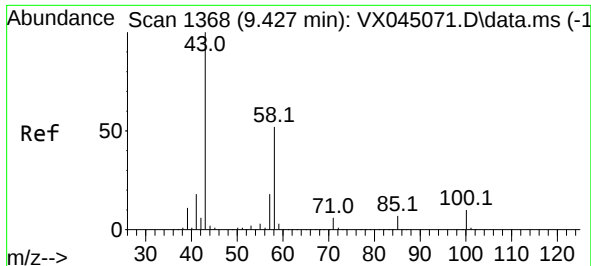
Tgt Ion: 69 Resp: 281
Ion Ratio Lower Upper
69 100
41 5810.0 57.0 85.4#
39 2773.0 34.2 51.4#



#57
1,3-Dichloropropane
Concen: 1.109 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion: 76 Resp: 1674
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

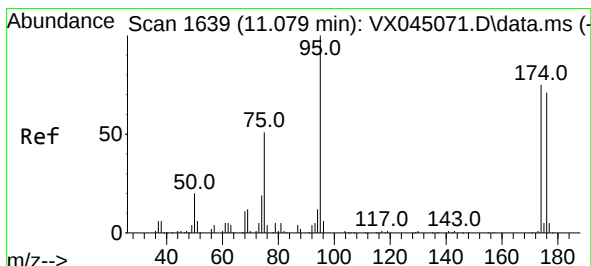
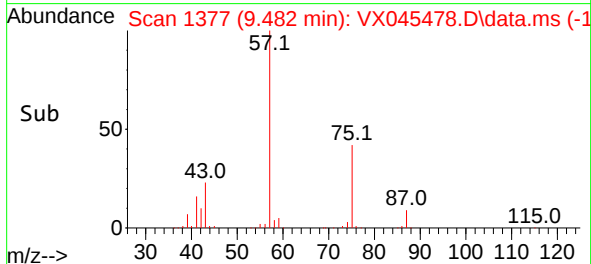
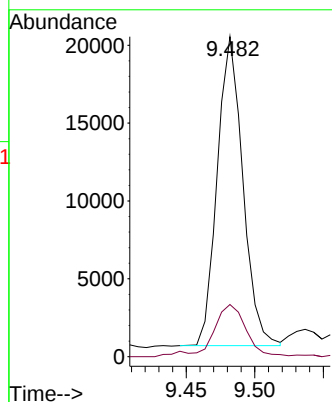
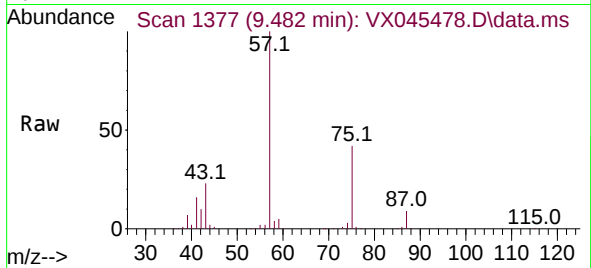




#59
2-Hexanone
Concen: 24.272 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

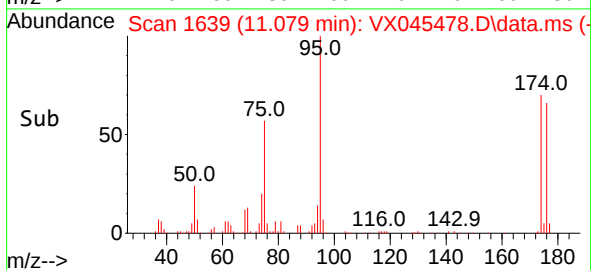
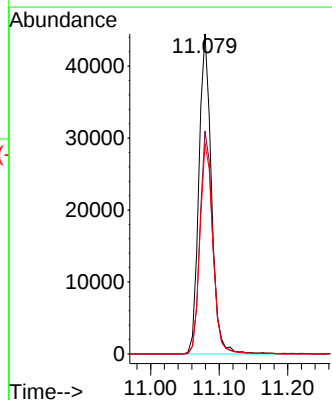
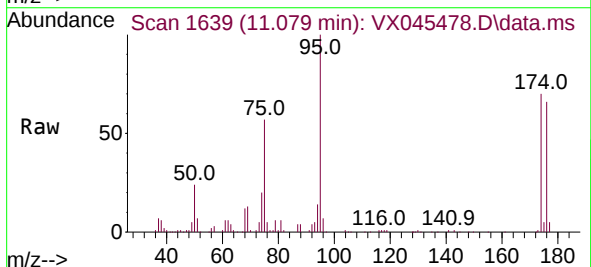
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

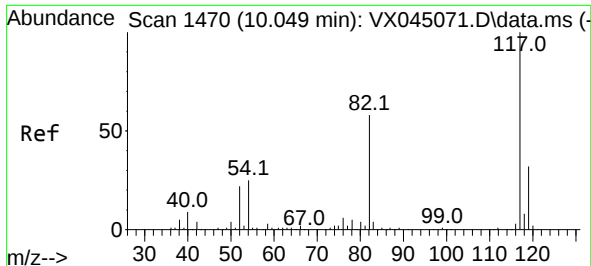
Tgt Ion: 43 Resp: 25740
Ion Ratio Lower Upper
43 100
58 21.6 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 56.577 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion: 95 Resp: 56699
Ion Ratio Lower Upper
95 100
174 70.7 0.0 148.2
176 68.0 0.0 141.4

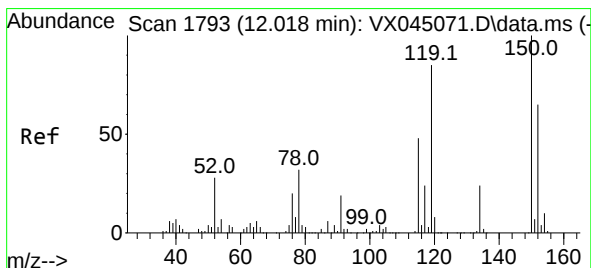
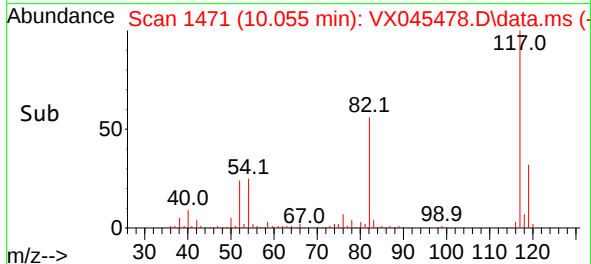
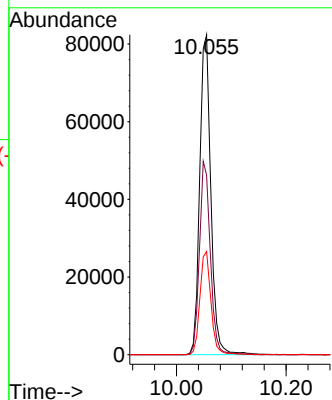
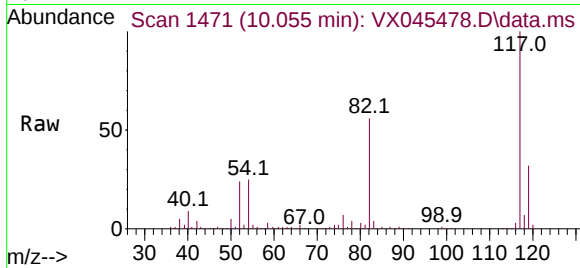




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

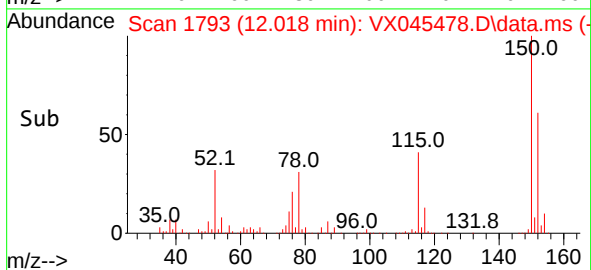
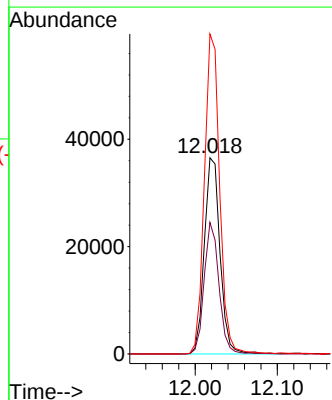
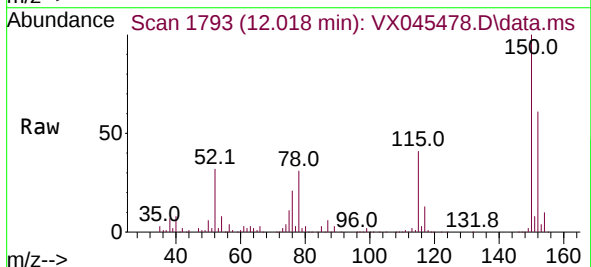
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

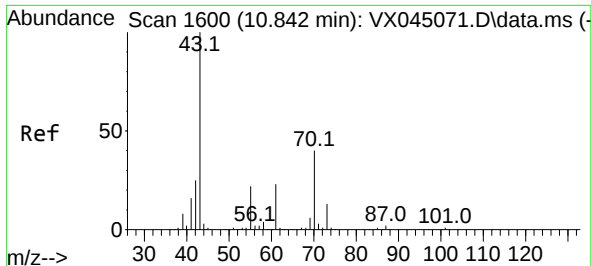
Tgt Ion:117 Resp: 116565
Ion Ratio Lower Upper
117 100
82 56.1 46.3 69.5
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion:152 Resp: 48486
Ion Ratio Lower Upper
152 100
115 63.4 44.2 132.6
150 158.6 0.0 349.0

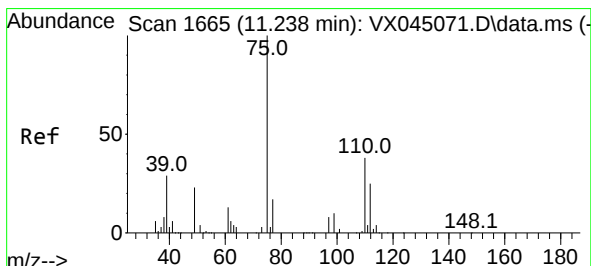
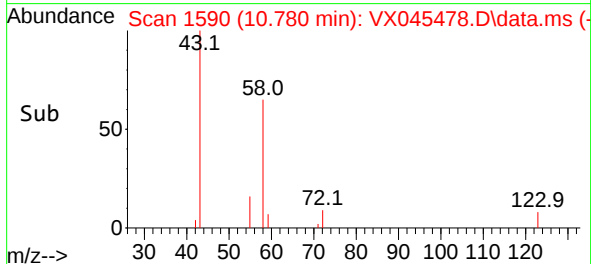
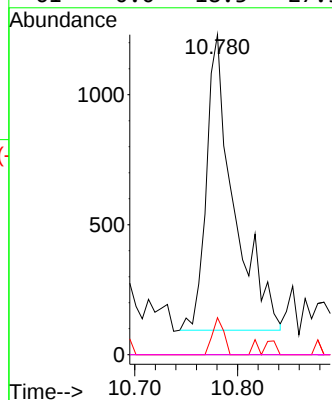
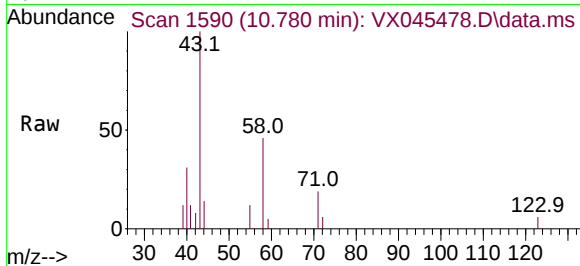




#74
N-amy1 acetate
Concen: 1.183 ug/l
RT: 10.780 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

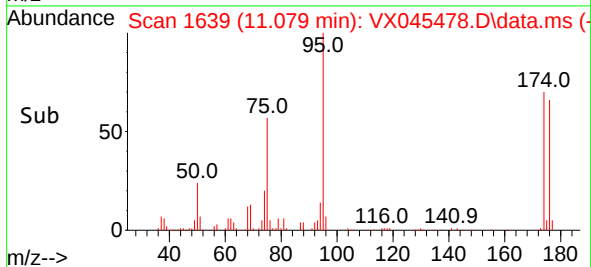
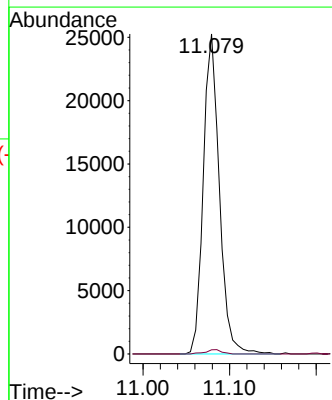
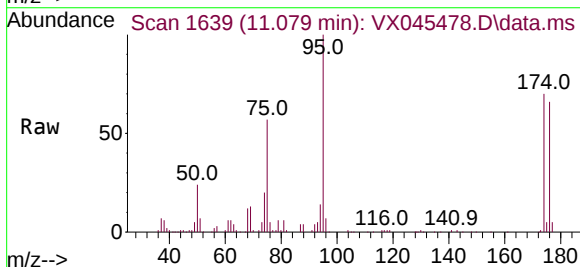
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#02

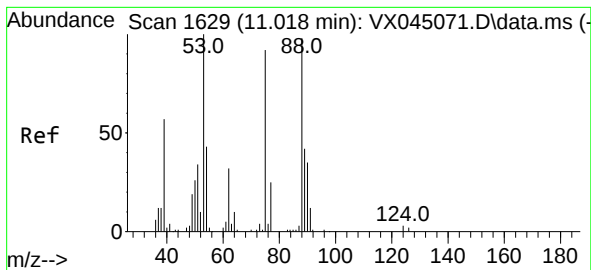
Tgt Ion:	43	Resp:	2100
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.8	47.6#
55	5.2	18.3	27.5#
61	0.0	18.3	27.5#



#76
1,2,3-Trichloropropane
Concen: 28.833 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045478.D
Acq: 27 Mar 2025 15:34

Tgt Ion:	75	Resp:	32539
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.7	62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.673 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045478.D
 Acq: 27 Mar 2025 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#02

Tgt Ion: 75 Resp: 32539
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

