

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045480.D
 Acq On : 27 Mar 2025 16:21
 Operator : JC/MD
 Sample : P167330ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#04

Quant Time: Mar 28 01:36:05 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)

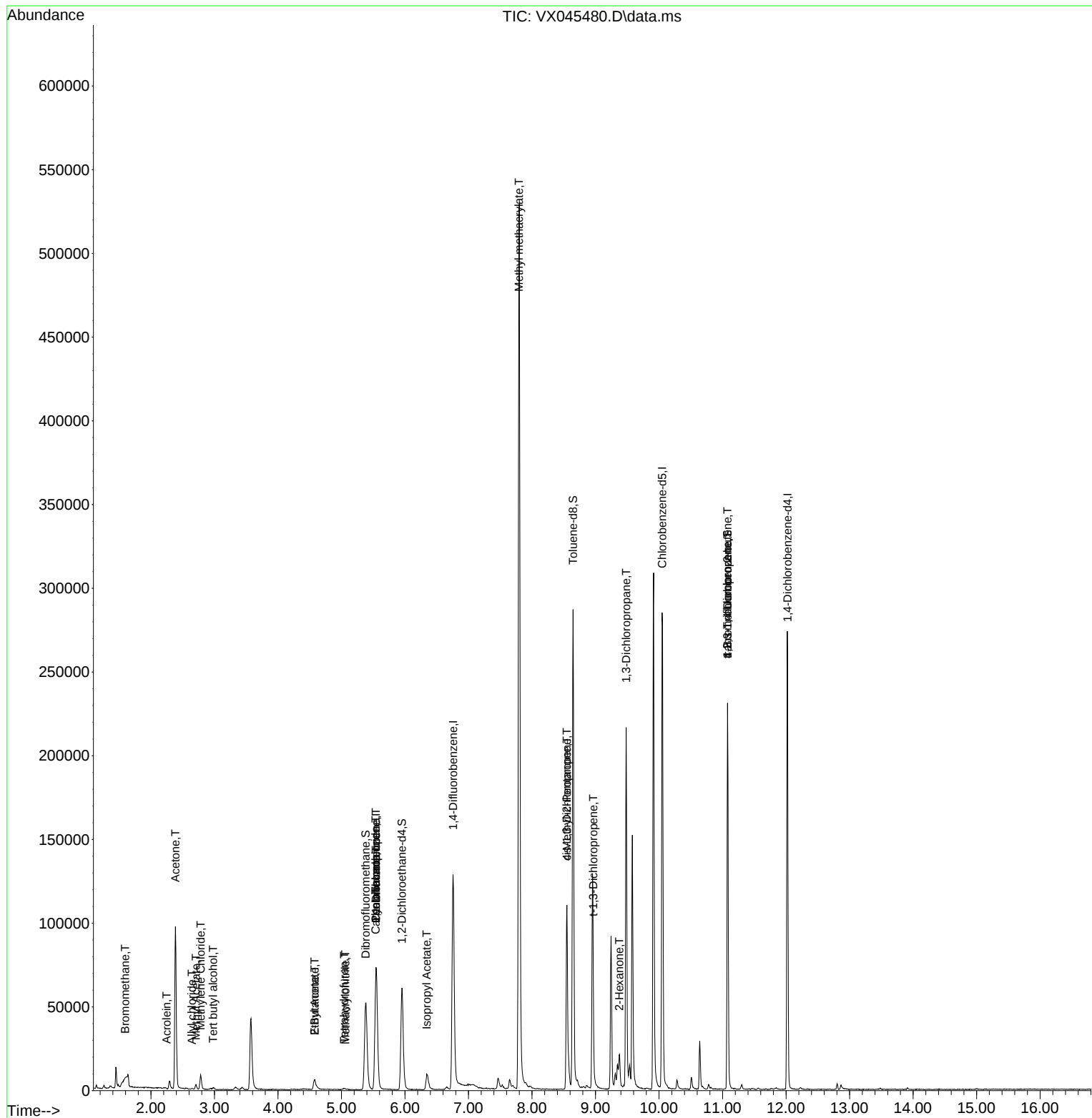
Internal Standards						
1) Pentafluorobenzene	5.543	168	64392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	126618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60446	59.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.020%			
35) Dibromofluoromethane	5.379	113	45049	53.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	8.646	98	162912	53.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.160%			
62) 4-Bromofluorobenzene	11.079	95	58838	57.848	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.700%			
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	114	0.295	ug/l #	3
11) Tert butyl alcohol	2.977	59	1442	7.433	ug/l #	82
13) Acrolein	2.245	56	210	0.936	ug/l #	76
14) Allyl chloride	2.641	41	556	0.395	ug/l #	59
16) Acetone	2.385	43	106996	225.150	ug/l	95
18) Methyl Acetate	2.708	43	4291	3.753	ug/l #	88
20) Methylene Chloride	2.782	84	3652	3.880	ug/l	92
25) 2-Butanone	4.574	43	12071	16.875	ug/l	93
29) Tetrahydrofuran	5.043	42	521	1.085	ug/l #	77
31) Cyclohexane	5.543	56	1916	1.375	ug/l #	7
36) 1,1-Dichloropropene	5.543	75	6083	5.239	ug/l #	51
37) Ethyl Acetate	4.574	43	12071	8.068	ug/l #	70
38) Carbon Tetrachloride	5.537	117	7386	6.266	ug/l #	16
41) Methacrylonitrile	5.062	41	397	0.491	ug/l #	24
43) Isopropyl Acetate	6.342	43	14162	6.401	ug/l	98
48) Methyl methacrylate	7.793	41	51258	46.181	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	45837	30.856	ug/l #	46
53) t-1,3-Dichloropropene	8.963	75	229	0.210	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16407	12.877	ug/l #	76
57) 1,3-Dichloropropane	9.482	76	1812	1.182	ug/l #	43
59) 2-Hexanone	9.372	43	16621	15.443	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	33605	28.177	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33605	96.427	ug/l #	6

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

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Quant Time: Mar 28 01:36:05 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

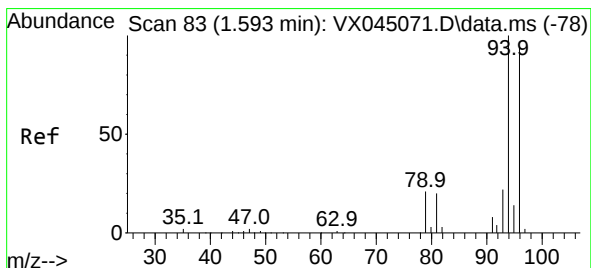
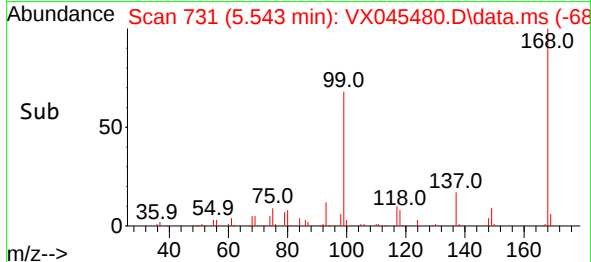
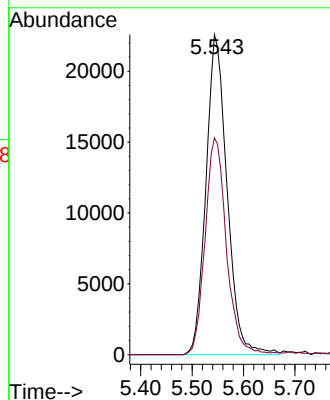
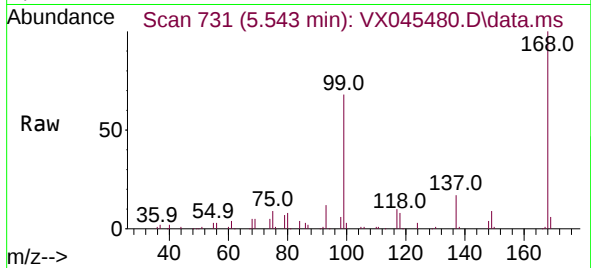




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

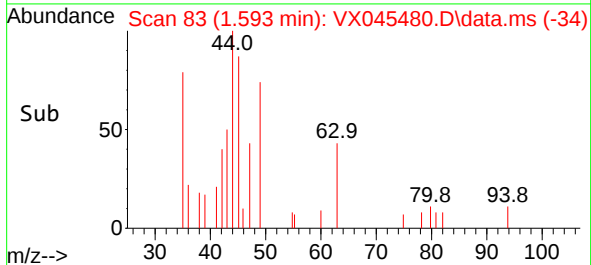
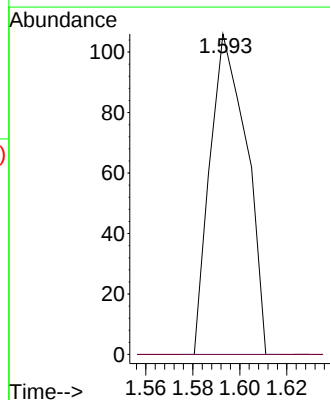
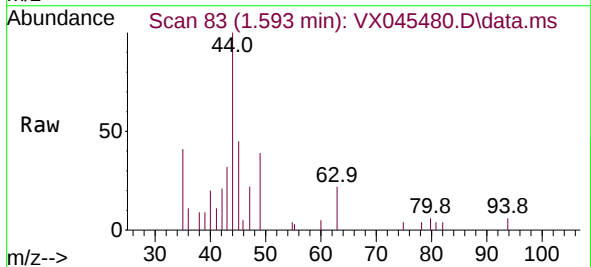
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

Tgt Ion:168 Resp: 64392
Ion Ratio Lower Upper
168 100
99 67.8 48.2 72.4



#5
Bromomethane
Concen: 0.295 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#





#11

Tert butyl alcohol

Concen: 7.433 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.007 min

Lab File: VX045480.D

Acq: 27 Mar 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

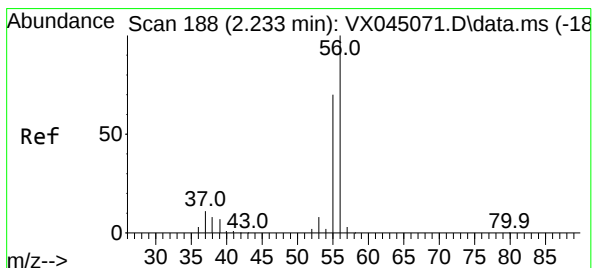
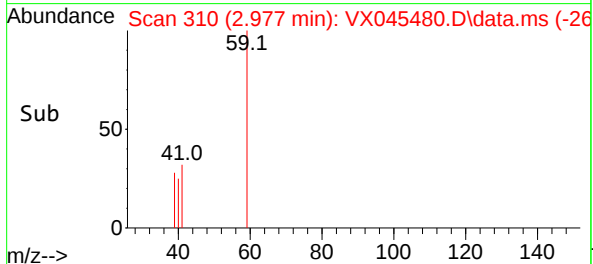
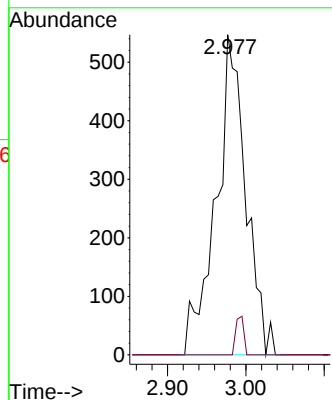
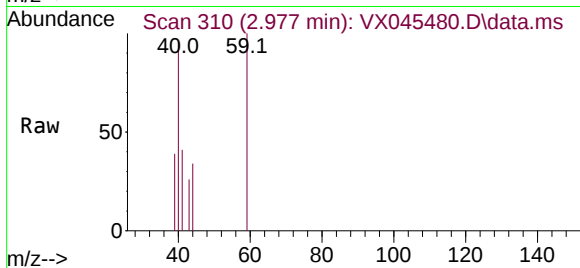
P167330ZHE#04

Tgt Ion: 59 Resp: 1442

Ion Ratio Lower Upper

59 100

57 3.2 7.8 11.8#



#13

Acrolein

Concen: 0.936 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX045480.D

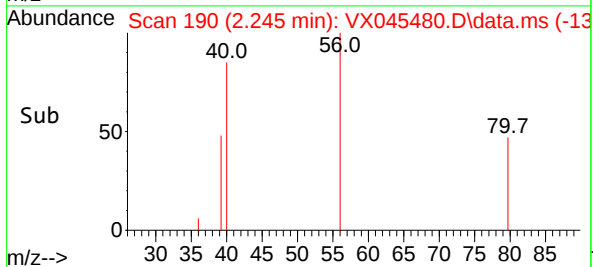
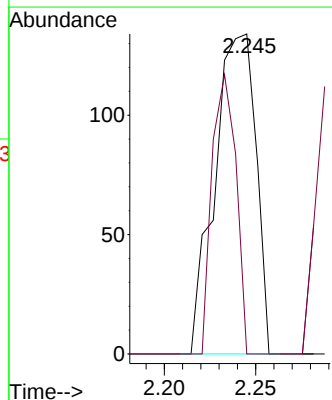
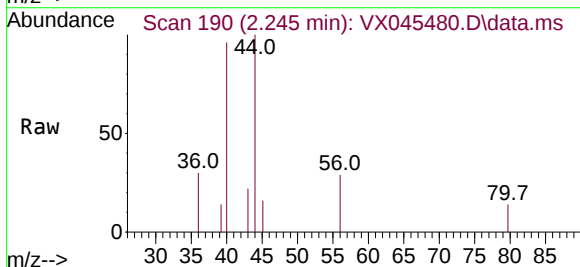
Acq: 27 Mar 2025 16:21

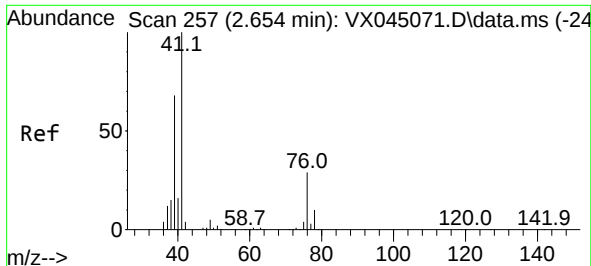
Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 50.5 56.2 84.4#

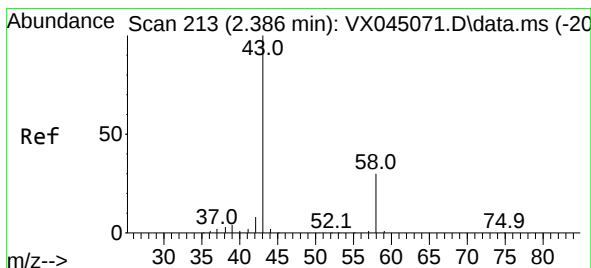
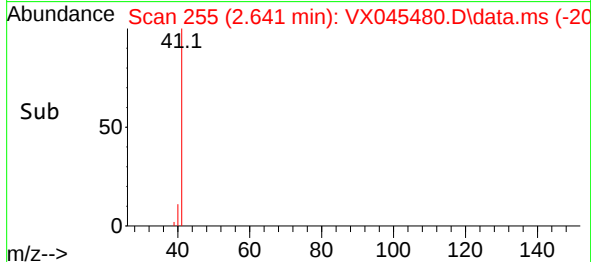
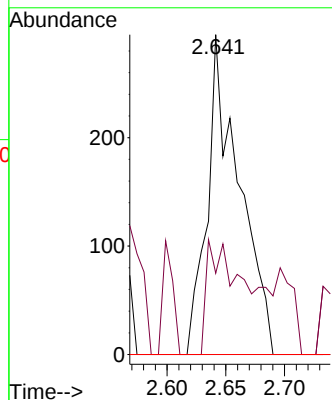
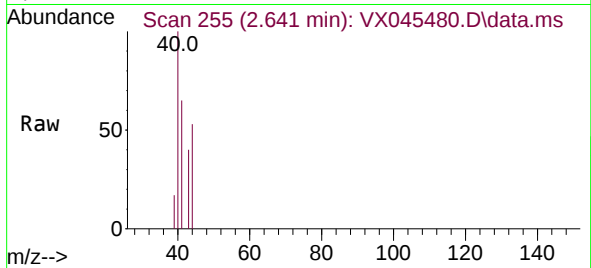




#14
 Allyl chloride
 Concen: 0.395 ug/l
 RT: 2.641 min Scan# 214
 Delta R.T. -0.013 min
 Lab File: VX045480.D
 Acq: 27 Mar 2025 16:21

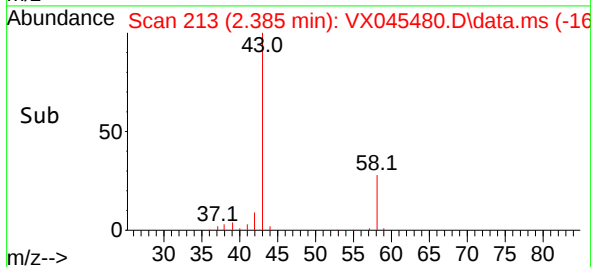
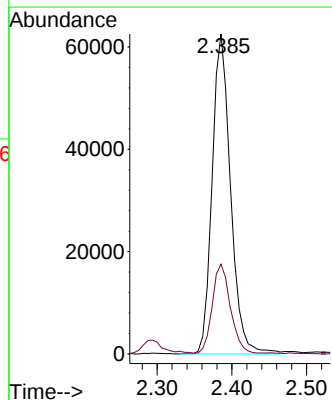
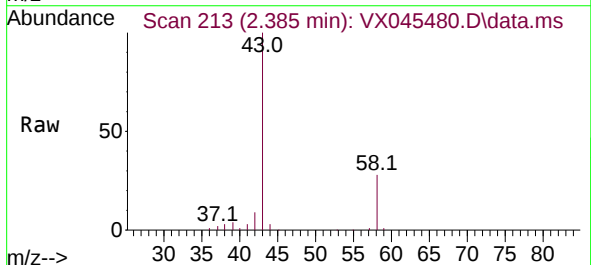
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#04

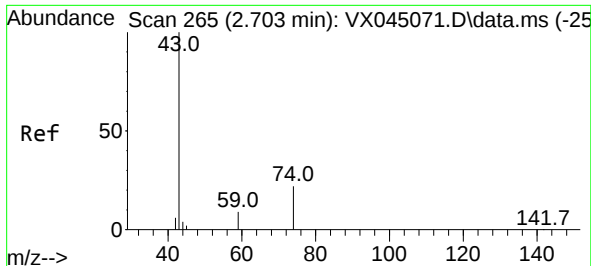
Tgt Ion: 41 Resp: 556
 Ion Ratio Lower Upper
 41 100
 39 39.9 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 225.150 ug/l
 RT: 2.385 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045480.D
 Acq: 27 Mar 2025 16:21

Tgt Ion: 43 Resp: 106996
 Ion Ratio Lower Upper
 43 100
 58 27.8 24.2 36.4

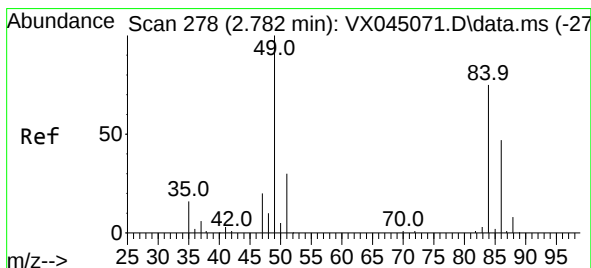
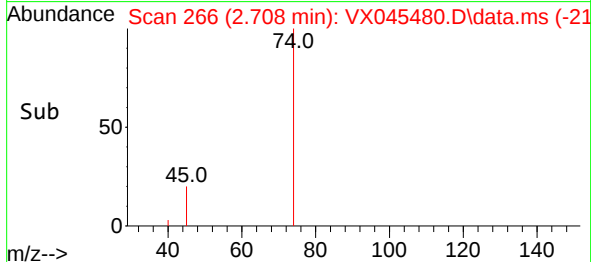
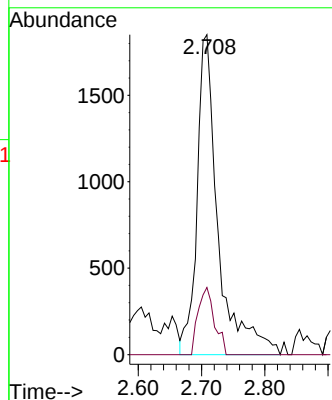
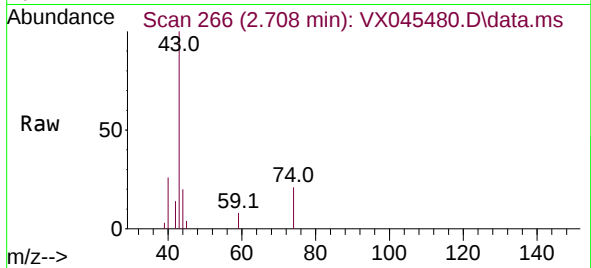




#18
Methyl Acetate
Concen: 3.753 ug/l
RT: 2.708 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

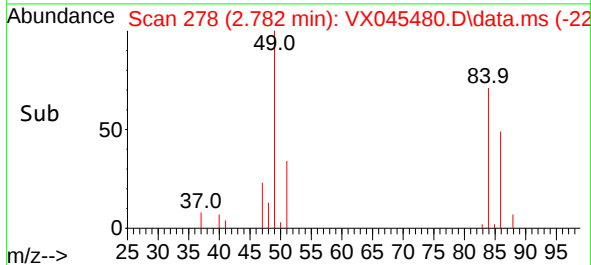
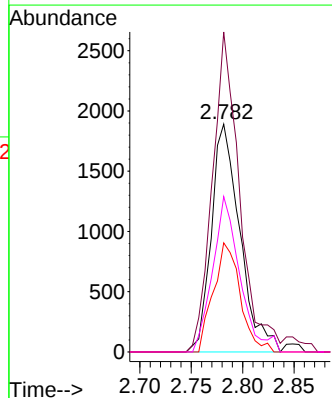
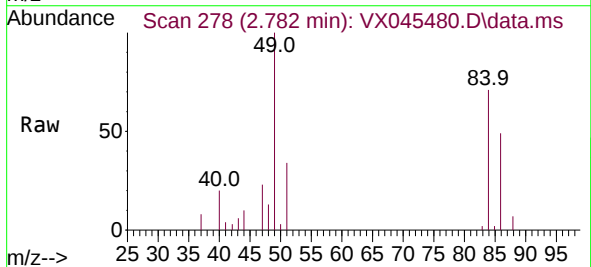
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

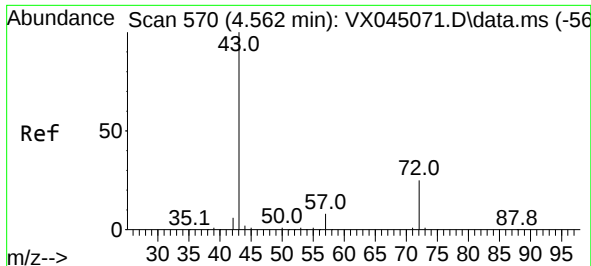
Tgt Ion: 43 Resp: 4291
Ion Ratio Lower Upper
43 100
74 16.3 17.4 26.2#



#20
Methylene Chloride
Concen: 3.880 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 84 Resp: 3652
Ion Ratio Lower Upper
84 100
49 140.5 106.5 159.7
51 47.9 32.1 48.1
86 68.2 50.0 75.0

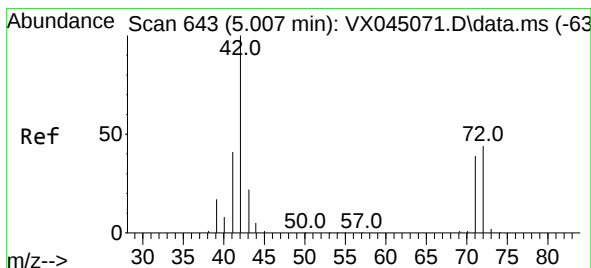
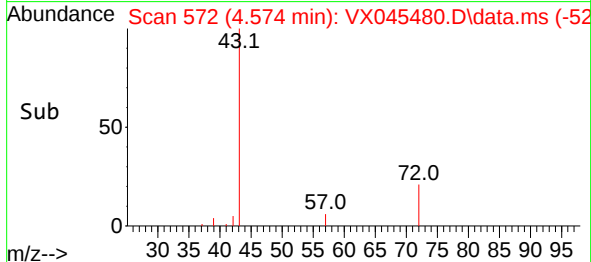
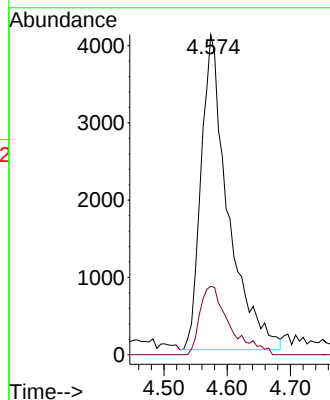
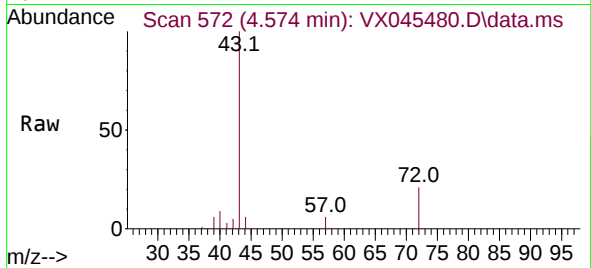




#25
2-Butanone
Concen: 16.875 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

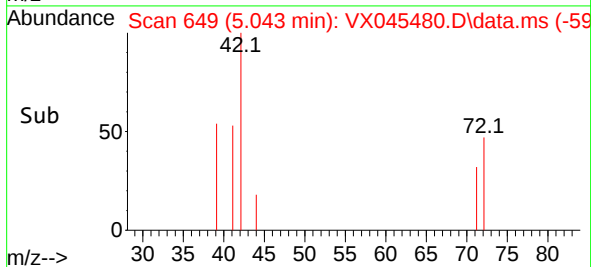
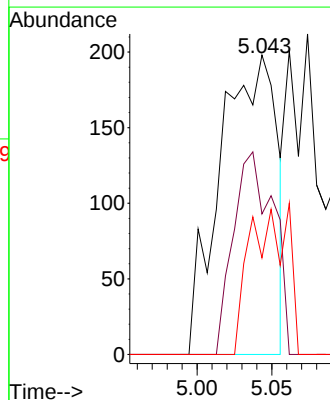
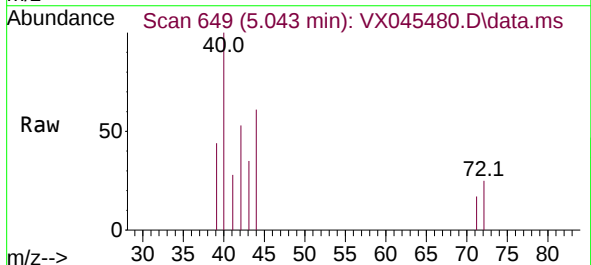
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

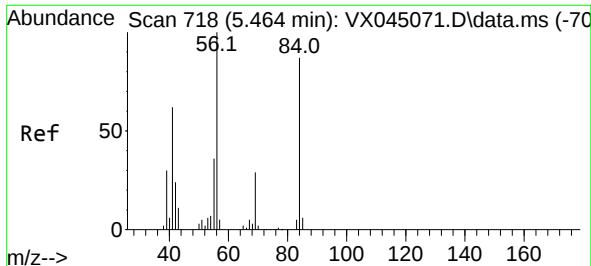
Tgt Ion: 43 Resp: 12071
Ion Ratio Lower Upper
43 100
72 21.7 20.0 30.0



#29
Tetrahydrofuran
Concen: 1.085 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.036 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

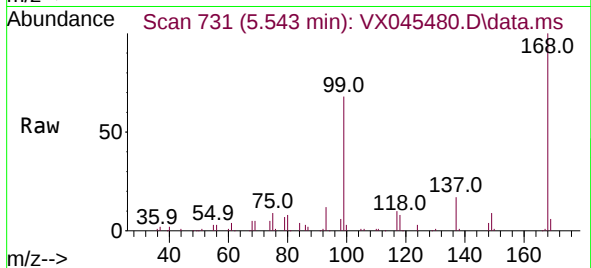
Tgt Ion: 42 Resp: 521
Ion Ratio Lower Upper
42 100
72 47.8 34.1 51.1
71 15.2 31.4 47.0#



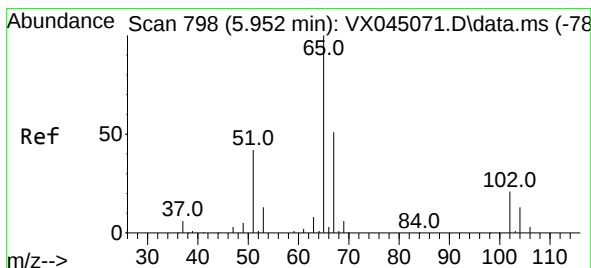
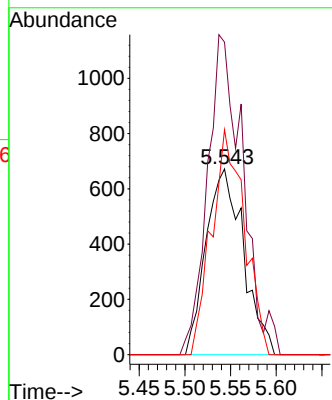
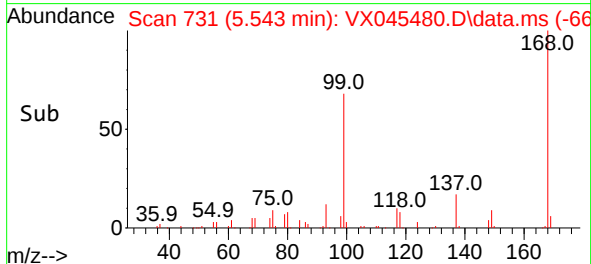


#31
Cyclohexane
Concen: 1.375 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

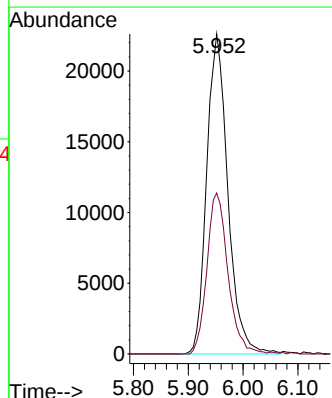
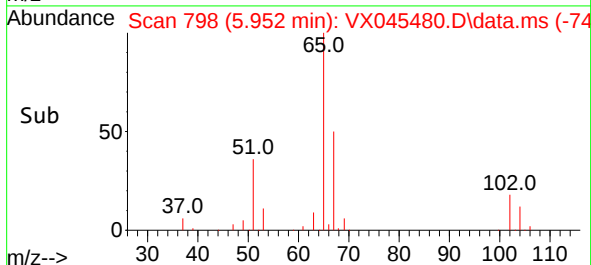
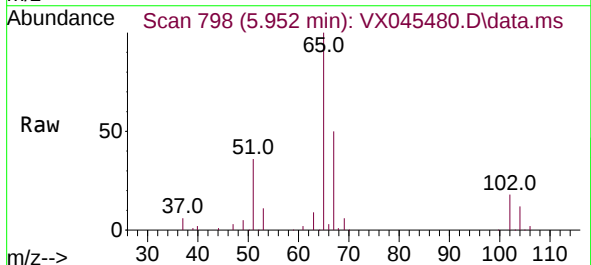


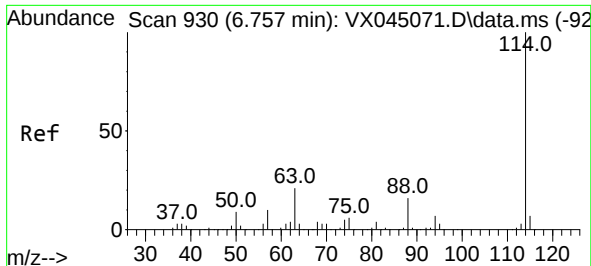
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Ion Ratio Lower Upper
56 100
69 168.3 23.4 35.2#
84 121.1 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 59.015 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 65 Resp: 60446
Ion Ratio Lower Upper
65 100
67 50.1 0.0 106.2

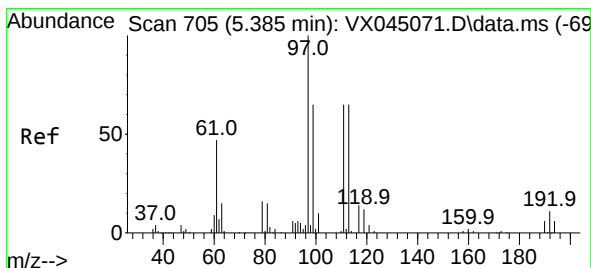
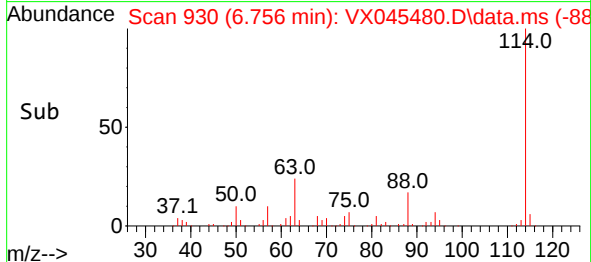
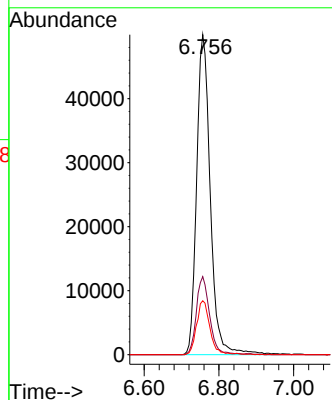
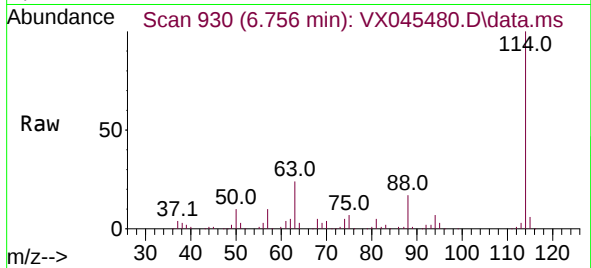




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.756 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

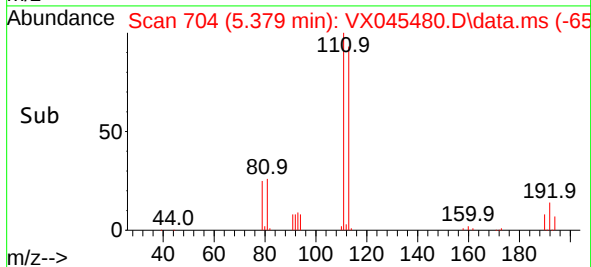
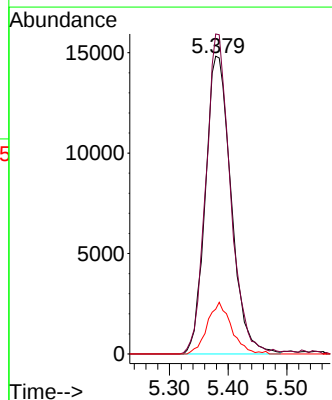
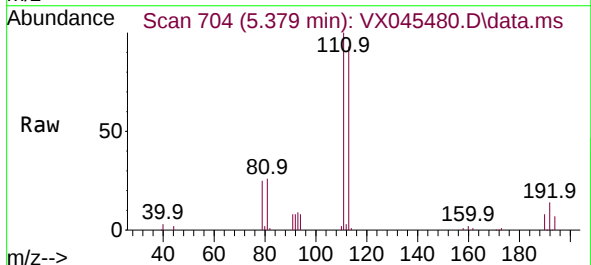
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

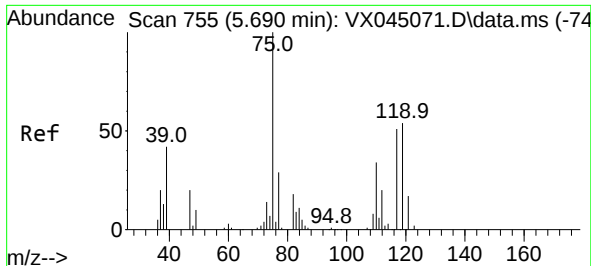
Tgt Ion:114 Resp: 126618
Ion Ratio Lower Upper
114 100
63 24.4 0.0 41.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.208 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.007 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

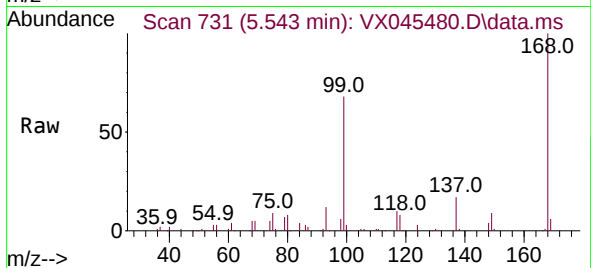
Tgt Ion:113 Resp: 45049
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.4 14.3 21.5



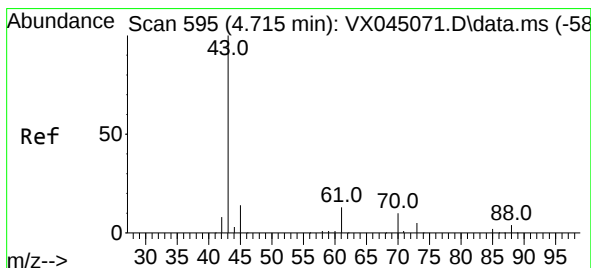
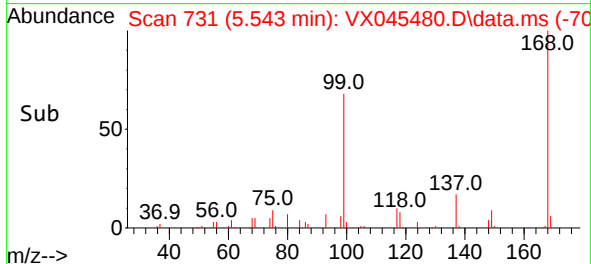
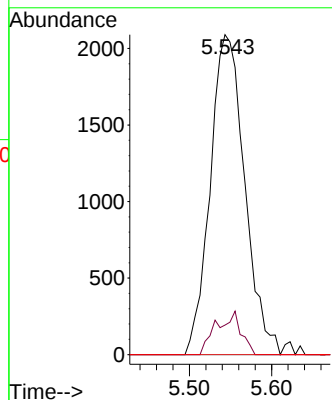


#36
1,1-Dichloropropene
Concen: 5.239 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

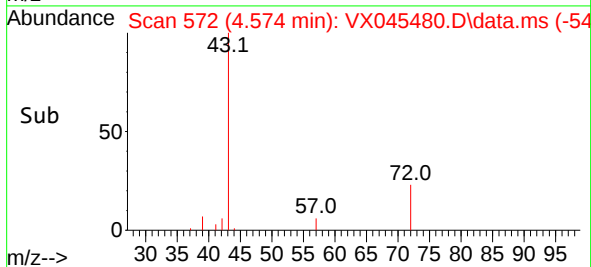
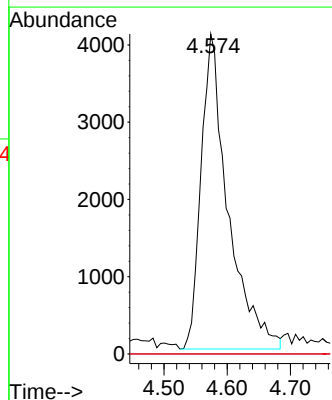
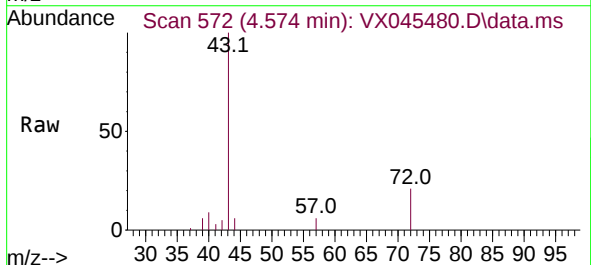


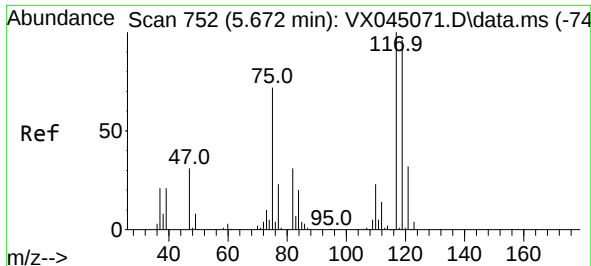
Tgt Ion: 75 Resp: 6083
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.068 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.141 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

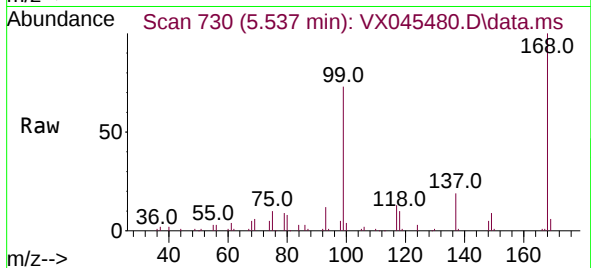
Tgt Ion: 43 Resp: 12071
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



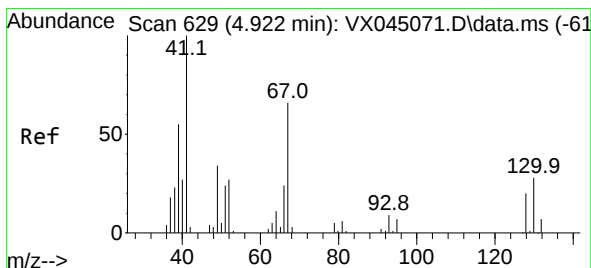
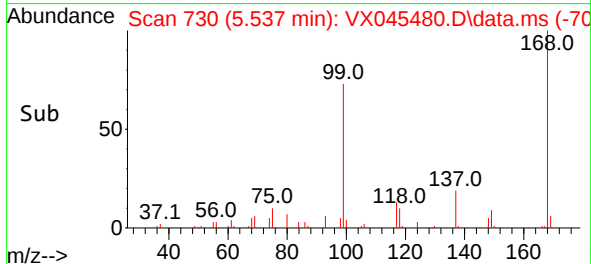
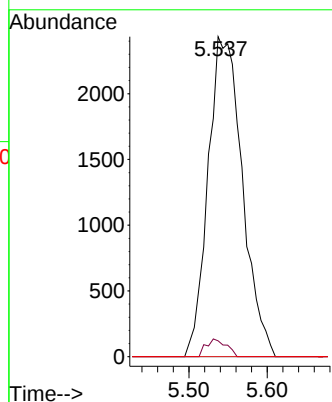


#38
Carbon Tetrachloride
Concen: 6.266 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.135 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

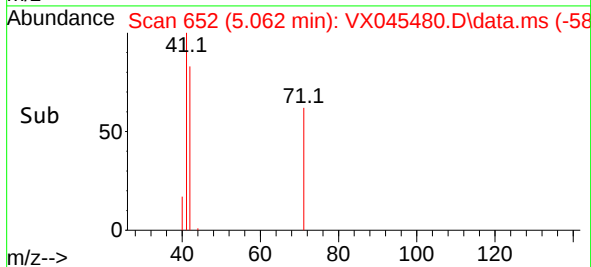
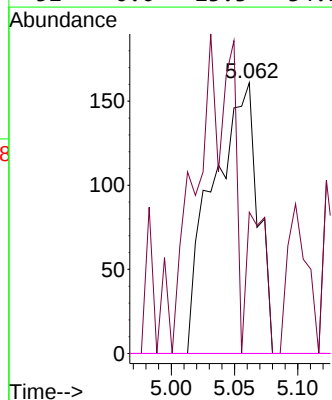
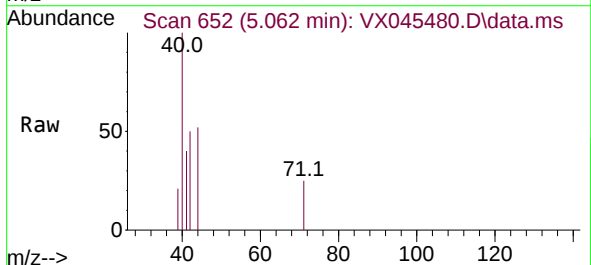


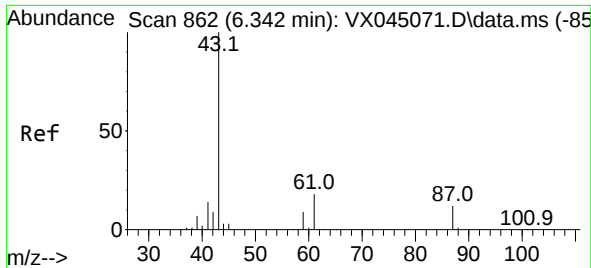
Tgt Ion:117 Resp: 7386
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: 0.491 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.140 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 41 Resp: 397
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#

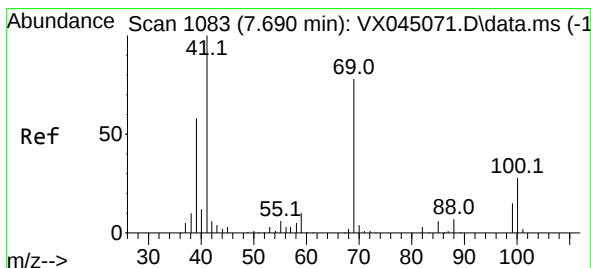
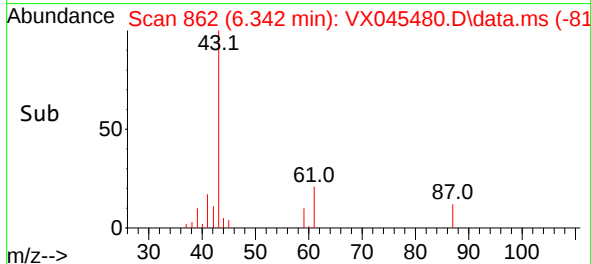
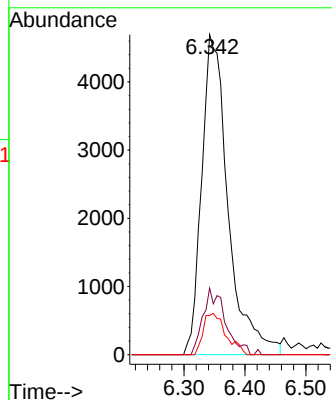
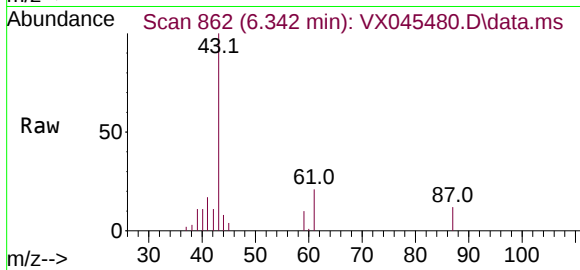




#43
Isopropyl Acetate
Concen: 6.401 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

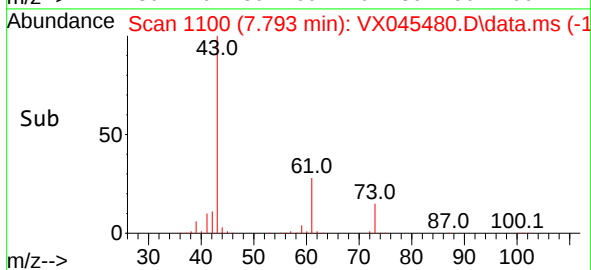
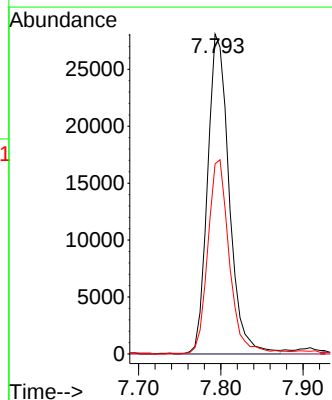
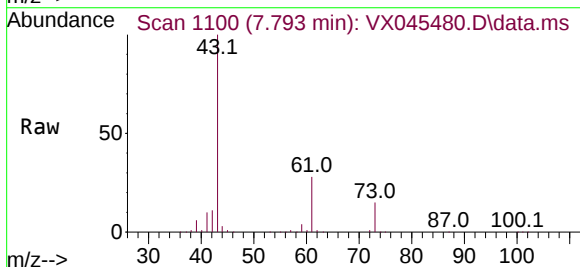
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

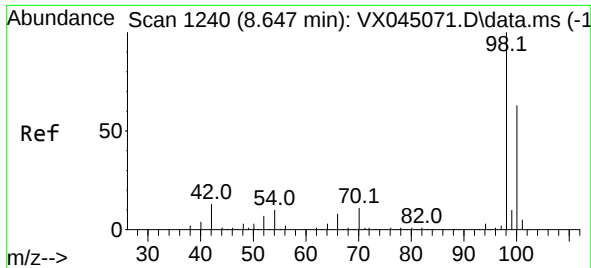
Tgt Ion: 43 Resp: 14162
Ion Ratio Lower Upper
43 100
61 17.5 14.9 22.3
87 11.1 9.4 14.2



#48
Methyl methacrylate
Concen: 46.181 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 41 Resp: 51258
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 61.0 47.5 71.3

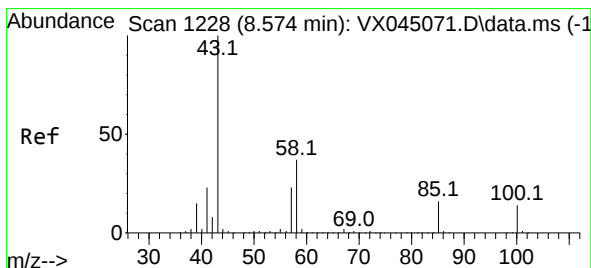
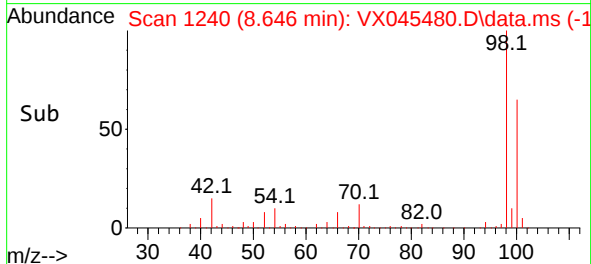
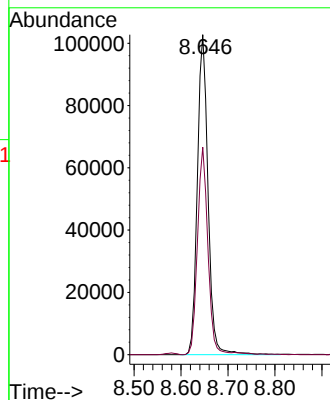
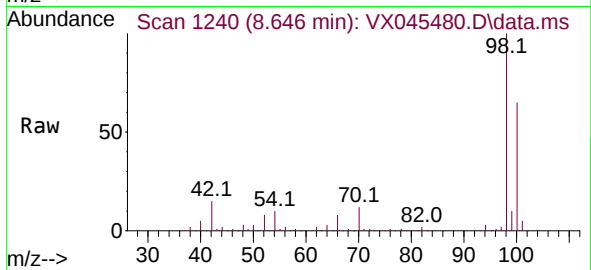




#50
Toluene-d8
Concen: 53.075 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

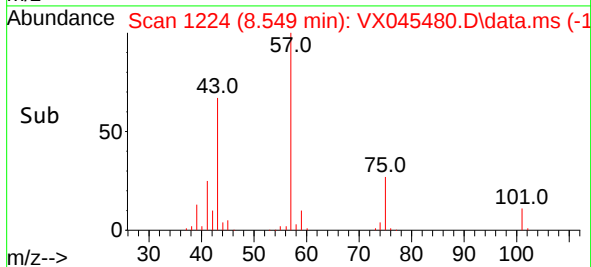
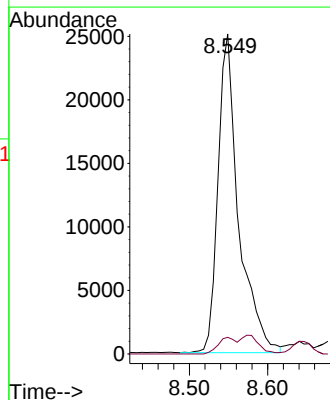
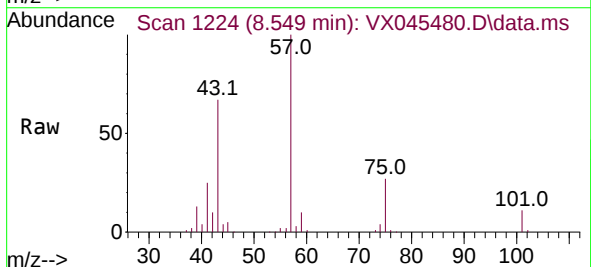
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

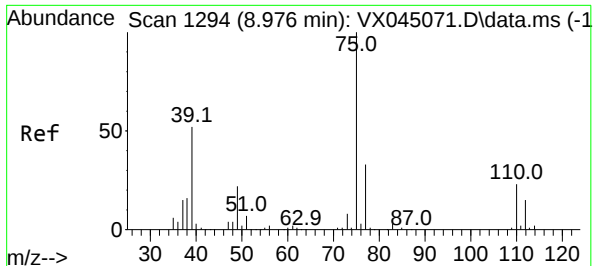
Tgt Ion: 98 Resp: 162912
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 30.856 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 43 Resp: 45837
Ion Ratio Lower Upper
43 100
58 4.6 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.210 ug/l

RT: 8.963 min Scan# 11

Delta R.T. -0.013 min

Lab File: VX045480.D

Acq: 27 Mar 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

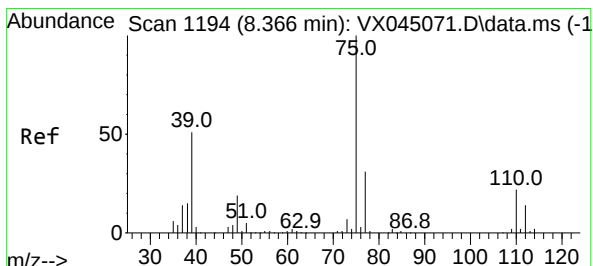
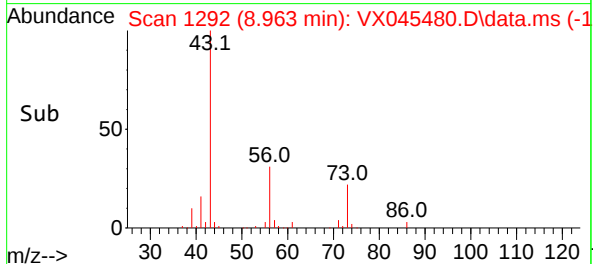
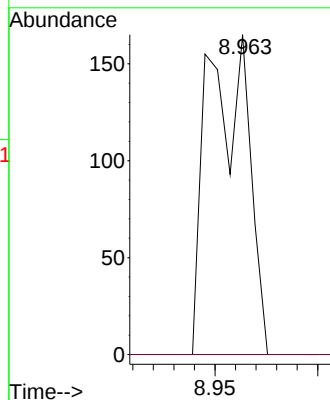
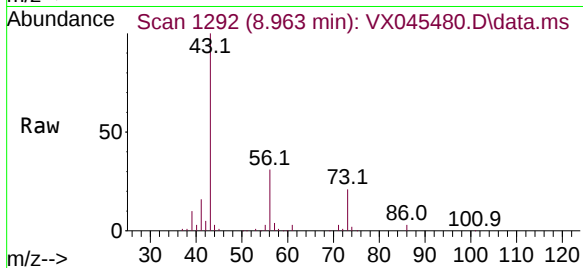
P167330ZHE#04

Tgt Ion: 75 Resp: 229

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 12.877 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.182 min

Lab File: VX045480.D

Acq: 27 Mar 2025 16:21

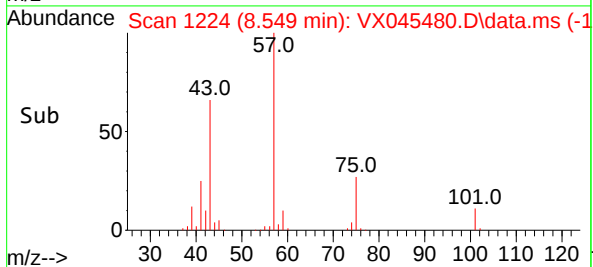
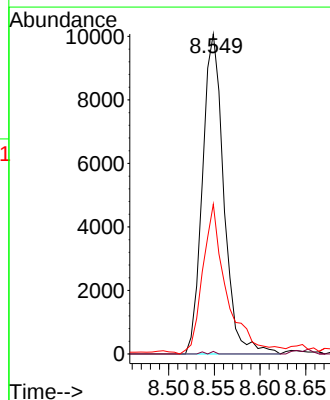
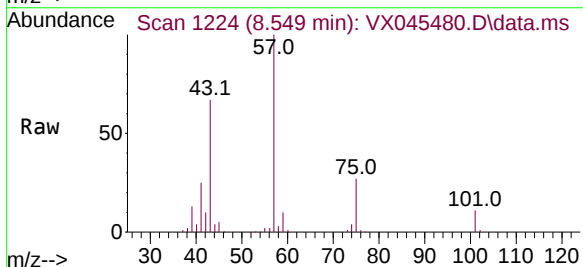
Tgt Ion: 75 Resp: 16407

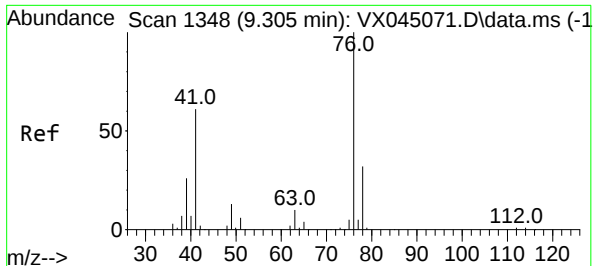
Ion Ratio Lower Upper

75 100

77 0.8 24.7 37.1#

39 46.8 40.7 61.1





#57

1,3-Dichloropropane

Concen: 1.182 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX045480.D

Acq: 27 Mar 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

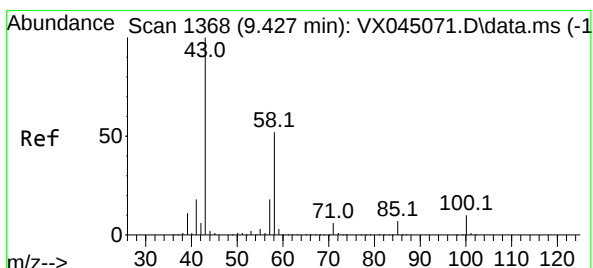
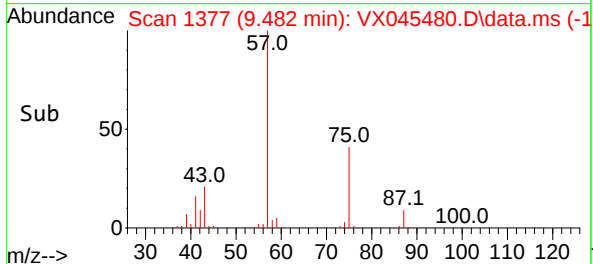
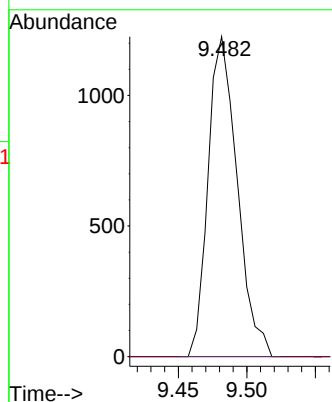
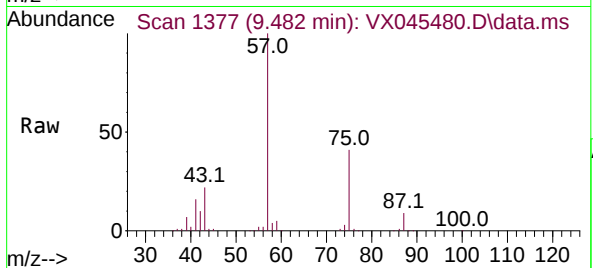
P167330ZHE#04

Tgt Ion: 76 Resp: 1812

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 15.443 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045480.D

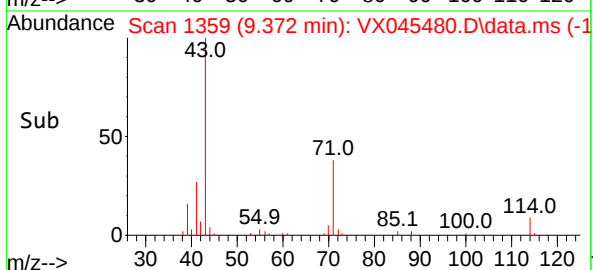
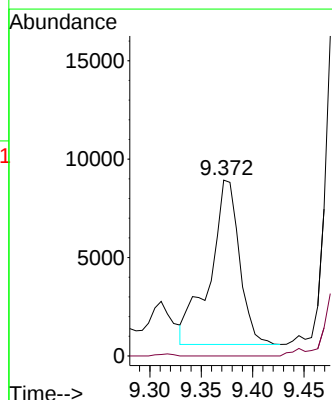
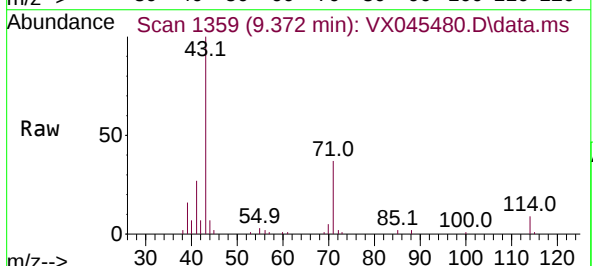
Acq: 27 Mar 2025 16:21

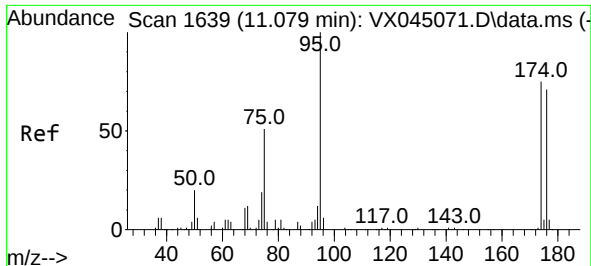
Tgt Ion: 43 Resp: 16621

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

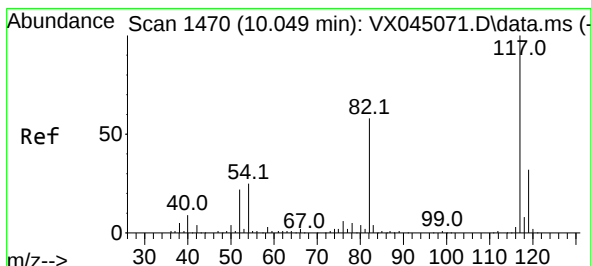
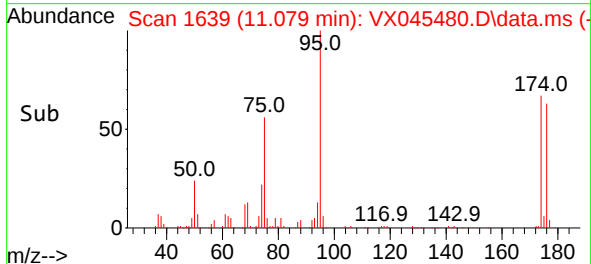
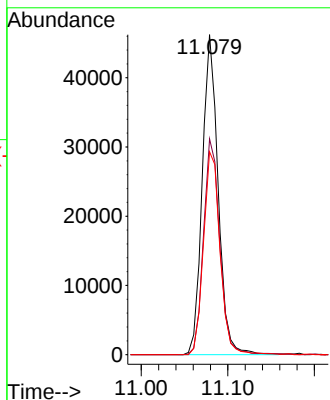
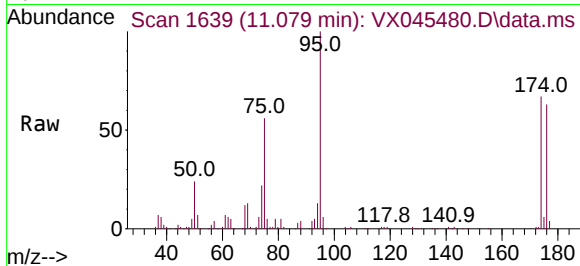




#62
4-Bromofluorobenzene
Concen: 57.848 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

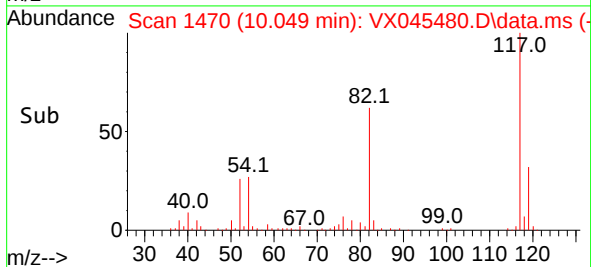
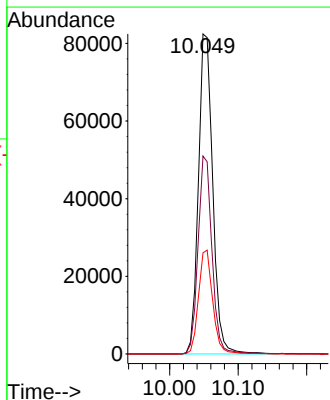
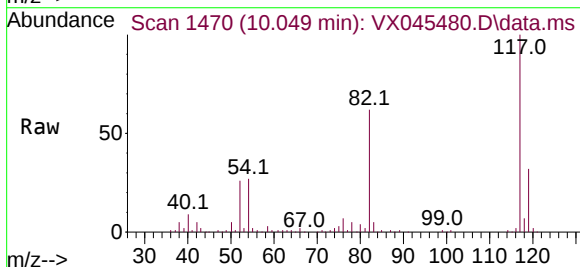
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

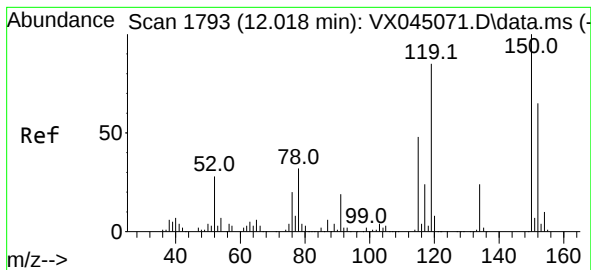
Tgt Ion: 95 Resp: 58838
Ion Ratio Lower Upper
95 100
174 69.4 0.0 148.2
176 66.2 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 117 Resp: 120247
Ion Ratio Lower Upper
117 100
82 61.9 46.3 69.5
119 31.6 25.7 38.5

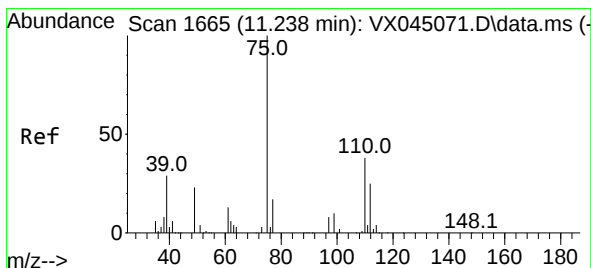
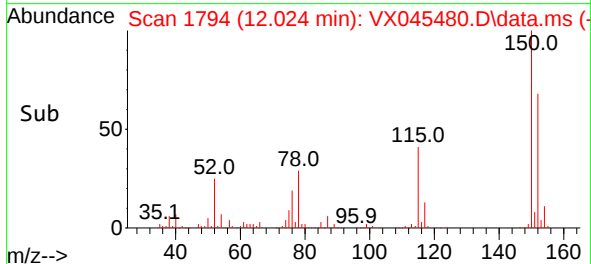
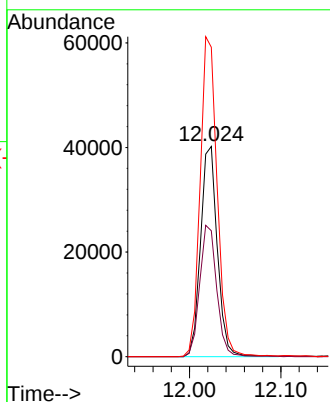
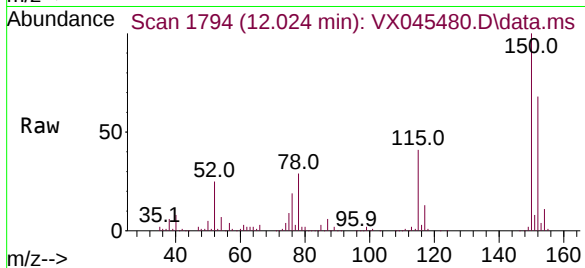




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

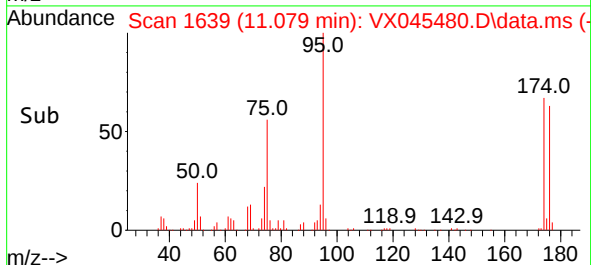
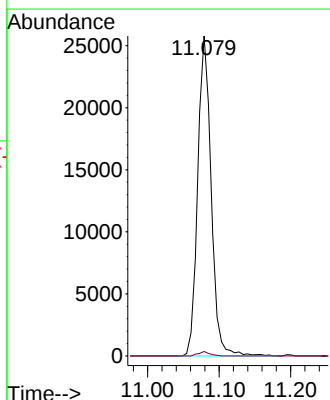
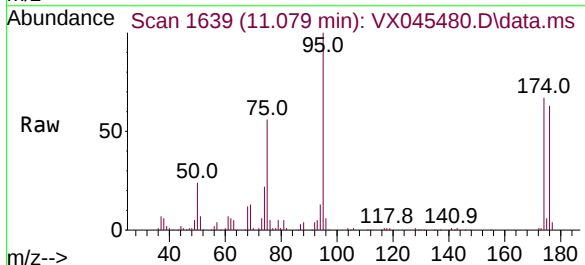
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#04

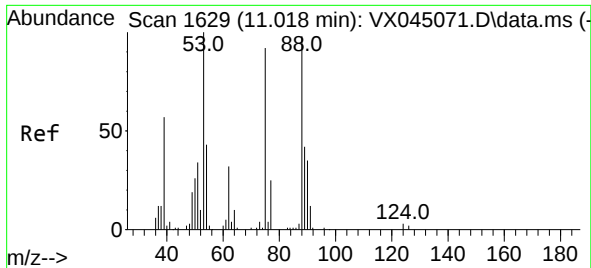
Tgt Ion:152 Resp: 51241
Ion Ratio Lower Upper
152 100
115 63.4 44.2 132.6
150 154.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045480.D
Acq: 27 Mar 2025 16:21

Tgt Ion: 75 Resp: 33605
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.427 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045480.D
 Acq: 27 Mar 2025 16:21

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#04

Tgt Ion: 75 Resp: 33605
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

