

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045776.D
 Acq On : 14 Apr 2025 18:17
 Operator : JC/MD
 Sample : Q1787-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5C

Quant Time: Apr 15 01:30:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

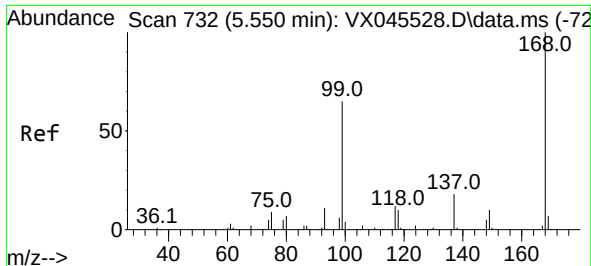
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	67104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68166	55.548	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.100%
35) Dibromofluoromethane	5.379	113	48145	51.021	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.040%
50) Toluene-d8	8.647	98	169160	51.359	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.720%
62) 4-Bromofluorobenzene	11.079	95	63599	53.012	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.709	59	180	1.091	ug/l #	72
13) Acrolein	2.233	56	163	0.718	ug/l #	82
16) Acetone	2.380	43	35061	69.579	ug/l	100
18) Methyl Acetate	2.703	43	2398	2.067	ug/l	95
20) Methylene Chloride	2.782	84	2766	2.932	ug/l	97
25) 2-Butanone	4.587	43	5760	7.809	ug/l	98
29) Tetrahydrofuran	5.038	42	131	0.274	ug/l #	35
31) Cyclohexane	5.538	56	1967	1.307	ug/l #	21
36) 1,1-Dichloropropene	5.538	75	7099	5.572	ug/l #	46
38) Carbon Tetrachloride	5.544	117	7806	5.669	ug/l #	15
43) Isopropyl Acetate	6.342	43	12286	5.049	ug/l	97
48) Methyl methacrylate	7.793	41	42757	34.029	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	41648	25.816	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	168	2.401	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	16601	11.869	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1447	0.886	ug/l #	42
59) 2-Hexanone	9.372	43	12625	10.568	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36720	29.935	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36720	101.595	ug/l #	1
90) Hexachloroethane	12.695	117	119	0.207	ug/l #	19

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

Quant Time: Apr 15 01:30:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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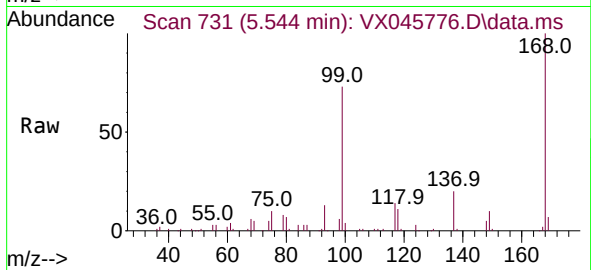
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Instrument :

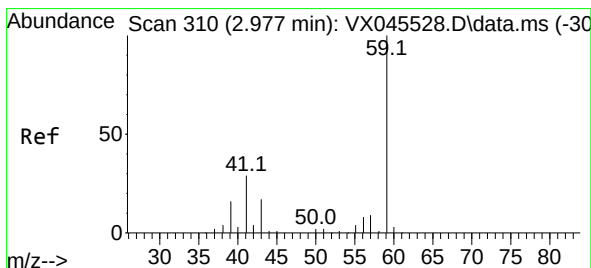
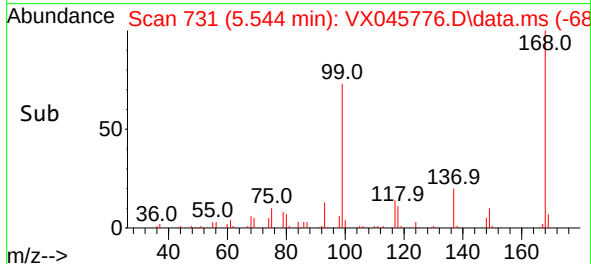
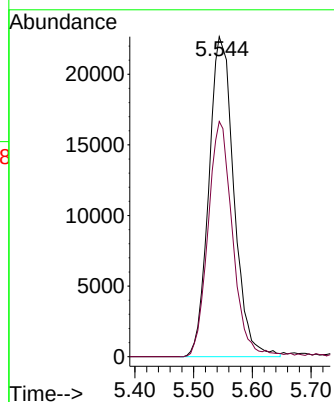
MSVOA_X

ClientSampleId :

TP-5C

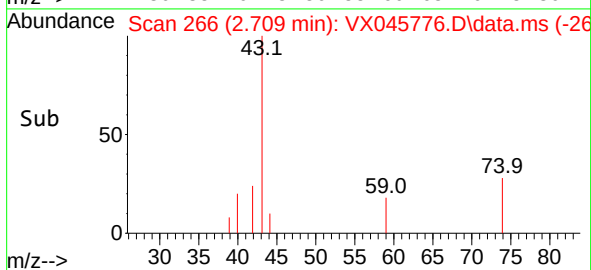
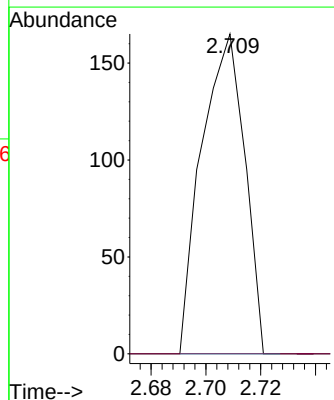
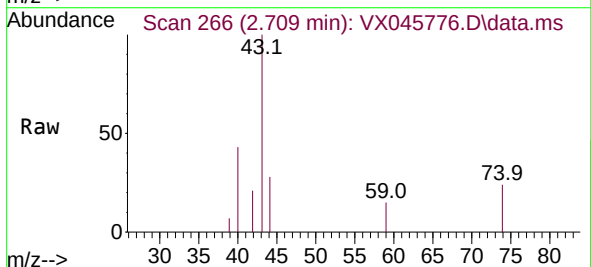


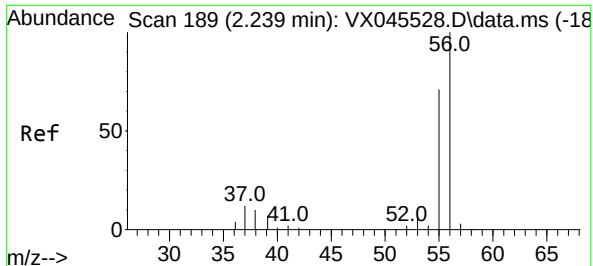
Tgt Ion:168 Resp: 67104
Ion Ratio Lower Upper
168 100
99 73.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.091 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.268 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

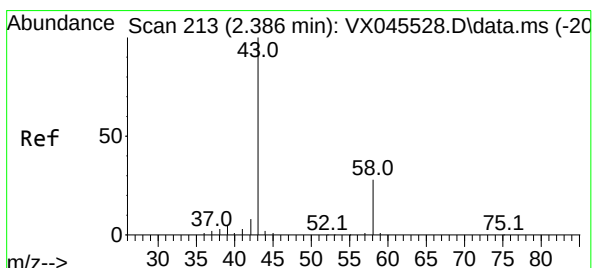
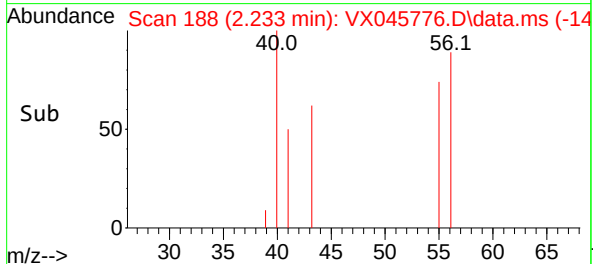
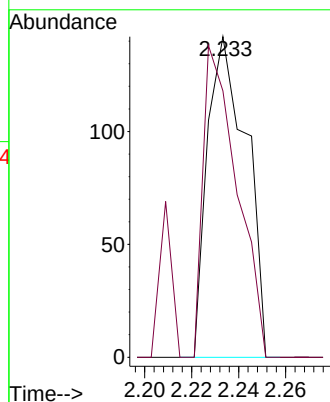
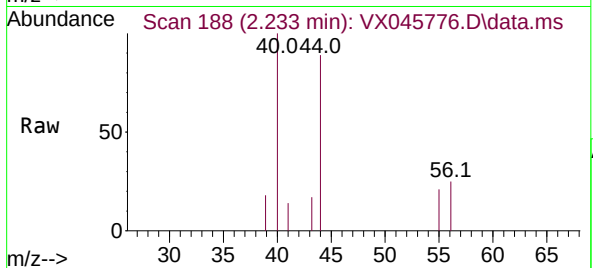




#13
Acrolein
Concen: 0.718 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

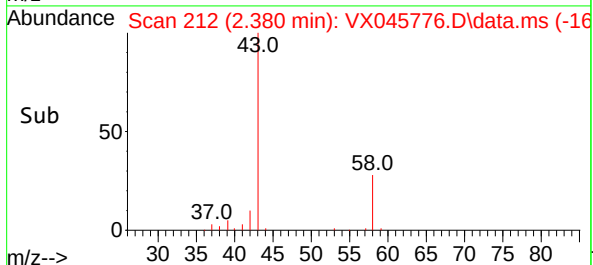
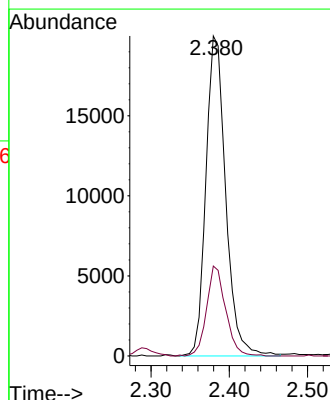
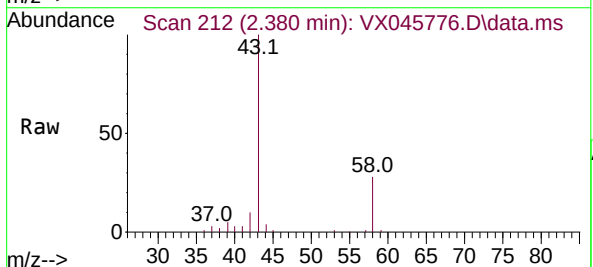
Instrument :
MSVOA_X
ClientSampleId :
TP-5C

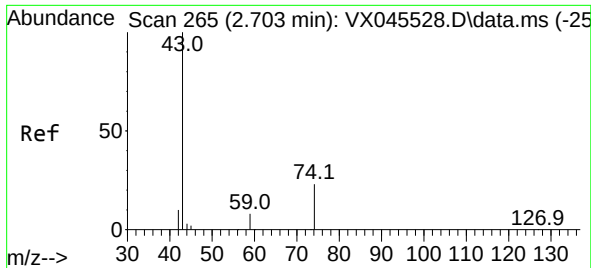
Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 85.3 56.2 84.2#



#16
Acetone
Concen: 69.579 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 43 Resp: 35061
Ion Ratio Lower Upper
43 100
58 28.1 22.3 33.5

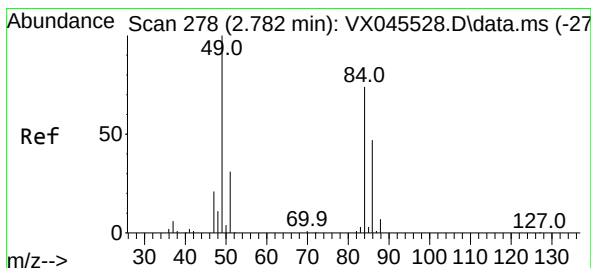
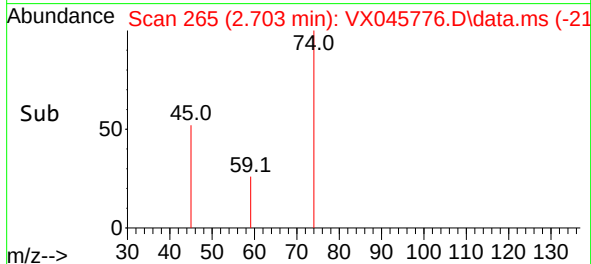
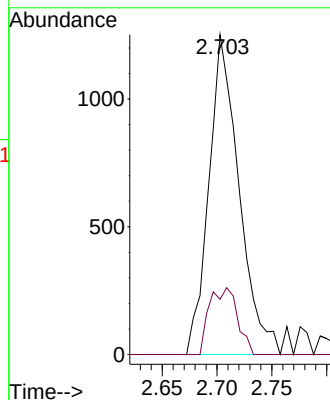
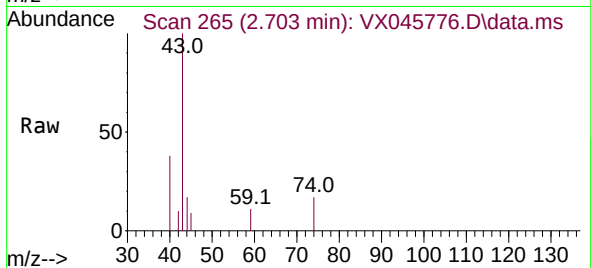




#18
Methyl Acetate
Concen: 2.067 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

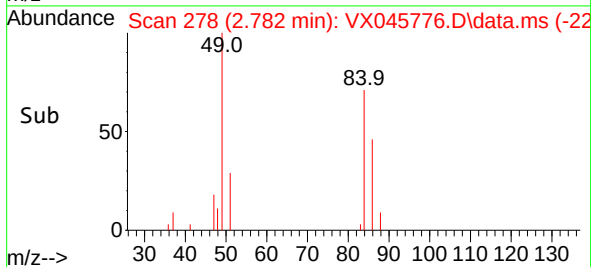
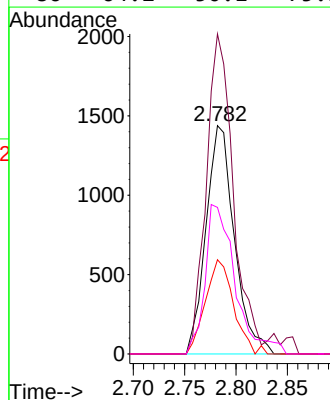
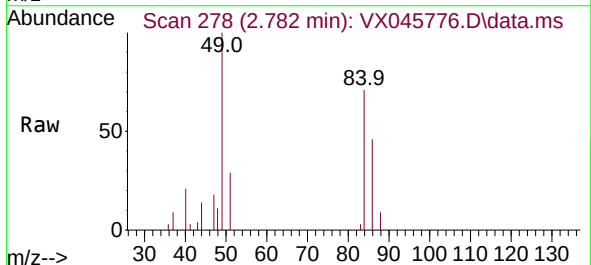
Instrument :
MSVOA_X
ClientSampleId :
TP-5C

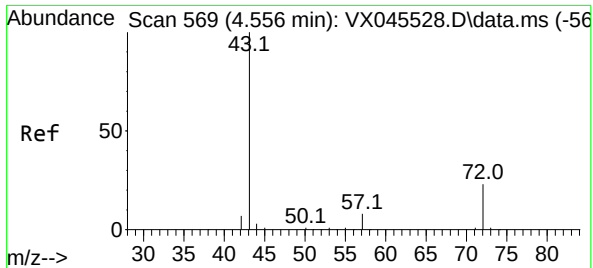
Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
74 19.4 17.5 26.3



#20
Methylene Chloride
Concen: 2.932 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 84 Resp: 2766
Ion Ratio Lower Upper
84 100
49 140.1 107.5 161.3
51 41.3 33.0 49.6
86 64.2 50.1 75.1

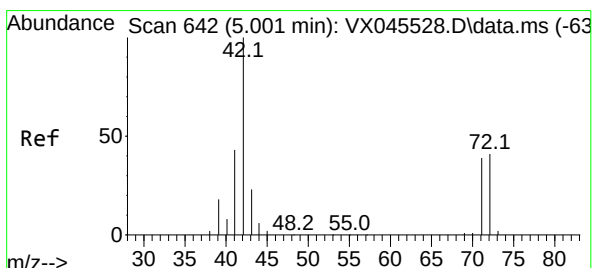
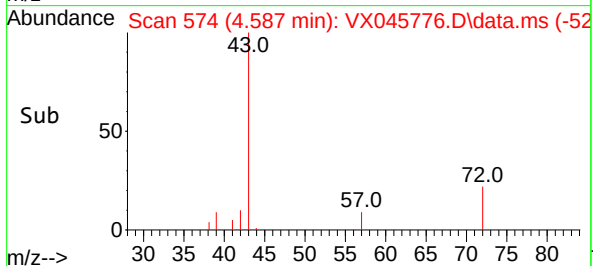
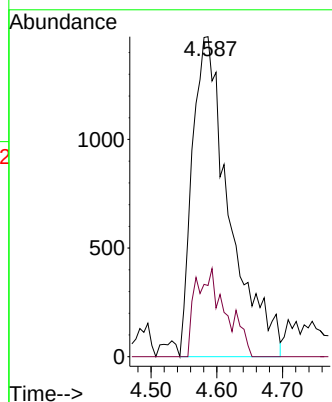
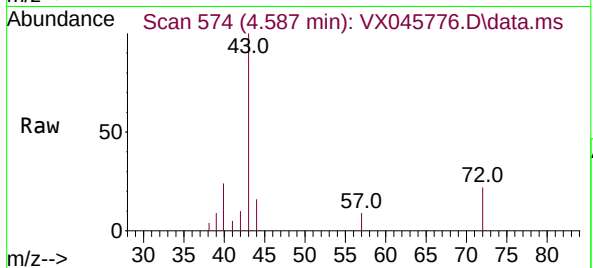




#25
2-Butanone
Concen: 7.809 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

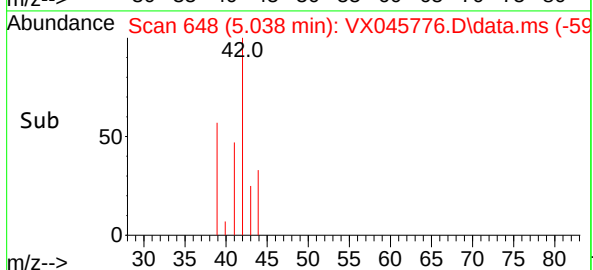
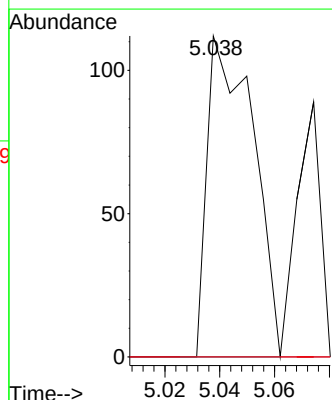
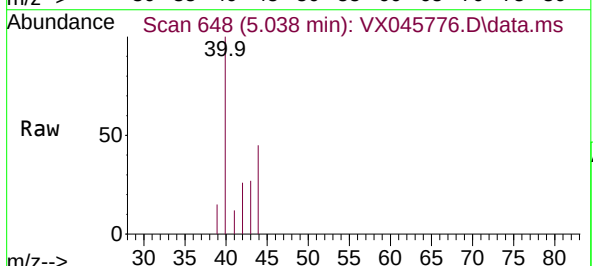
Instrument :
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ClientSampleId :
TP-5C

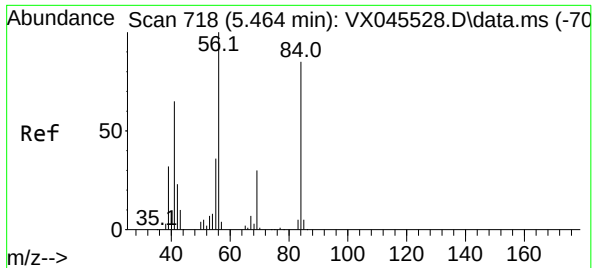
Tgt Ion: 43 Resp: 5760
Ion Ratio Lower Upper
43 100
72 22.3 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.274 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 42 Resp: 131
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

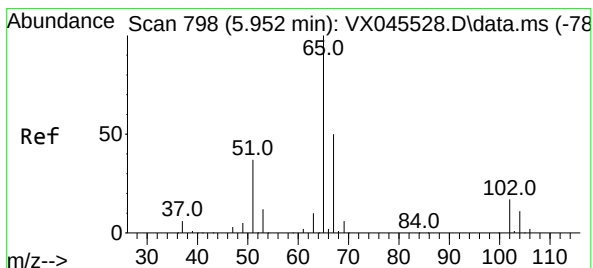
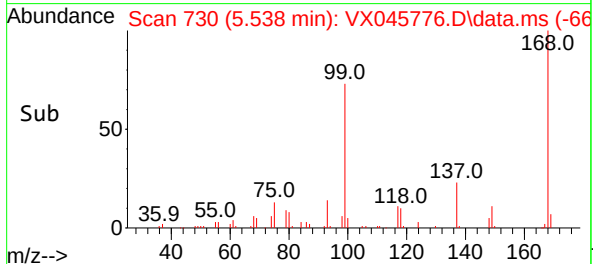
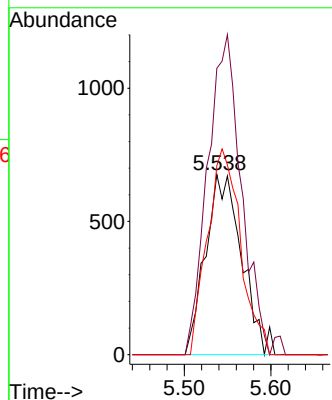
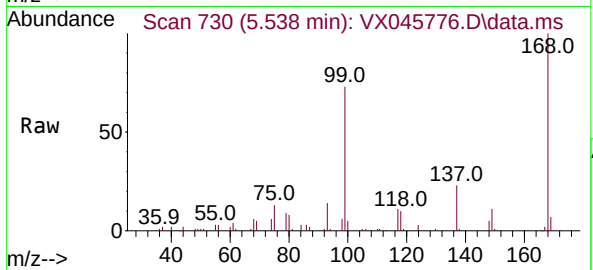




#31
Cyclohexane
Concen: 1.307 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

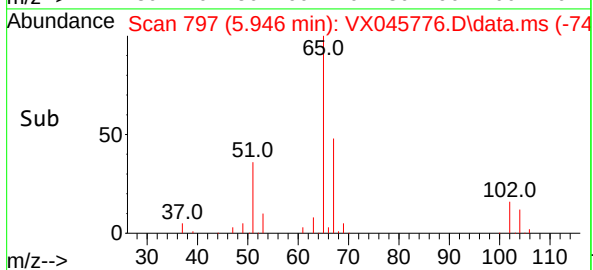
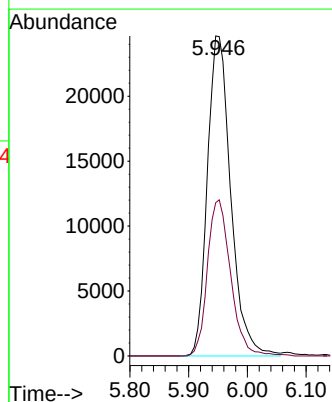
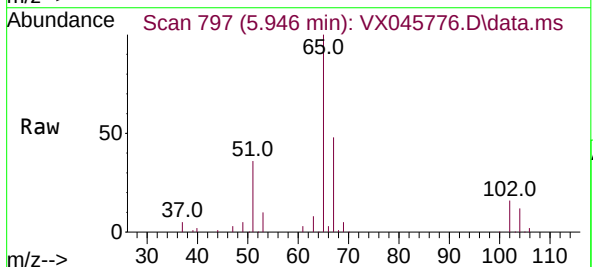
Instrument :
MSVOA_X
ClientSampleId :
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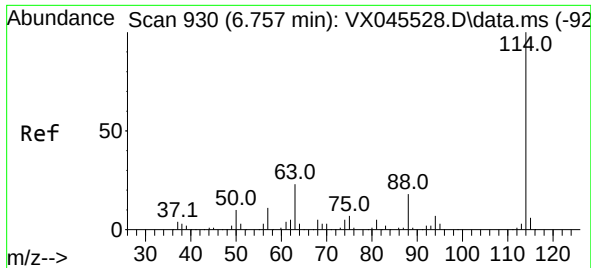
Tgt Ion: 56 Resp: 1967
Ion Ratio Lower Upper
56 100
69 159.0 23.6 35.4#
84 104.9 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.548 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 65 Resp: 68166
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.0

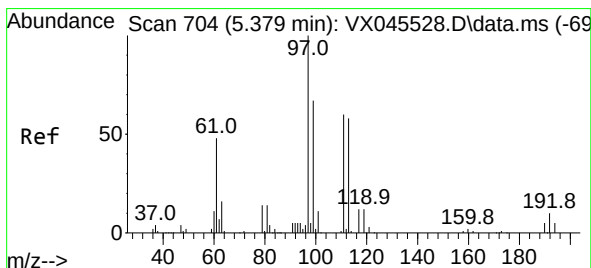
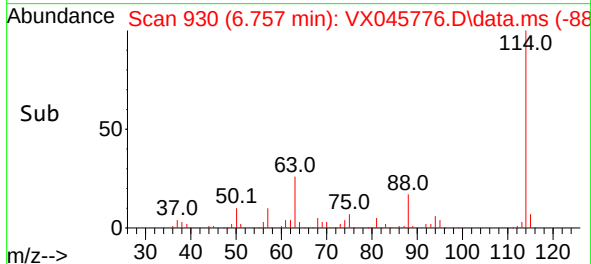
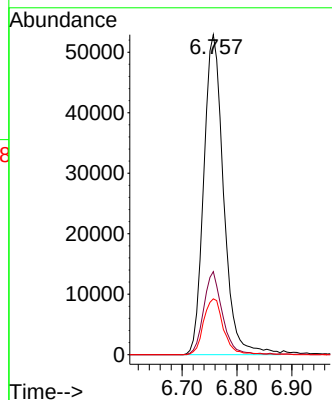
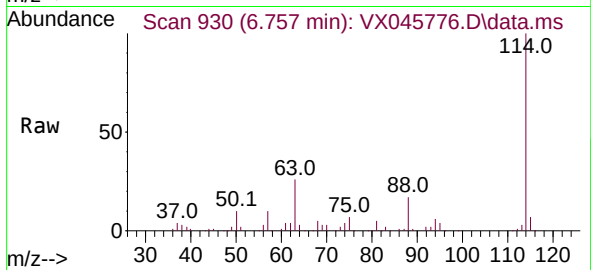




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

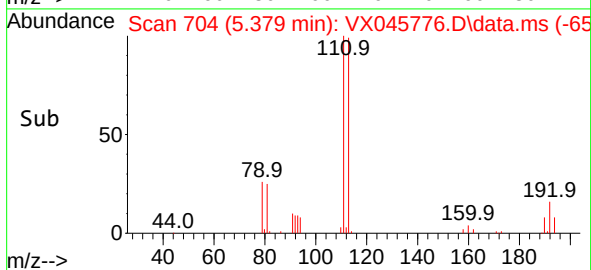
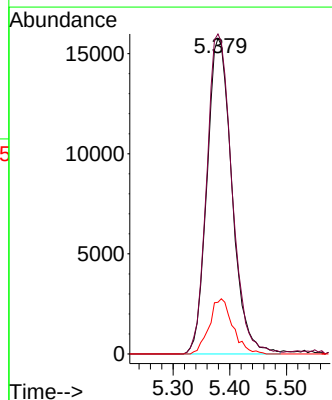
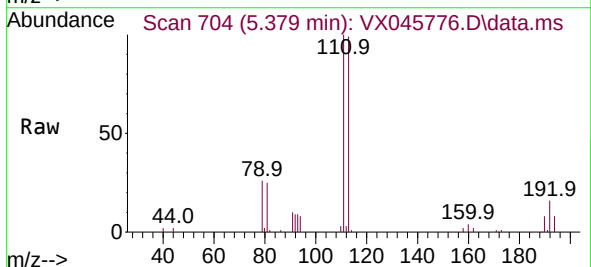
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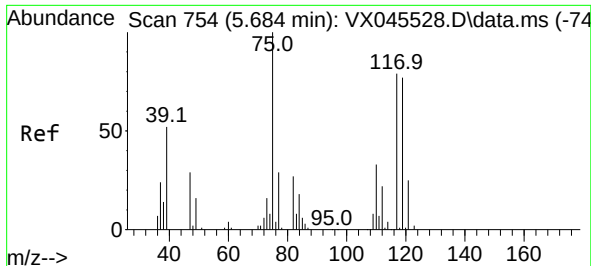
Tgt Ion:114 Resp: 133000
Ion Ratio Lower Upper
114 100
63 26.0 0.0 46.8
88 17.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.021 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion:113 Resp: 48145
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.5 13.8 20.6

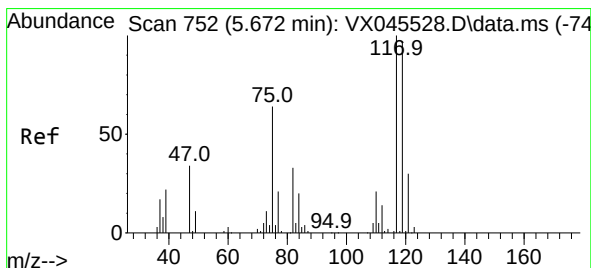
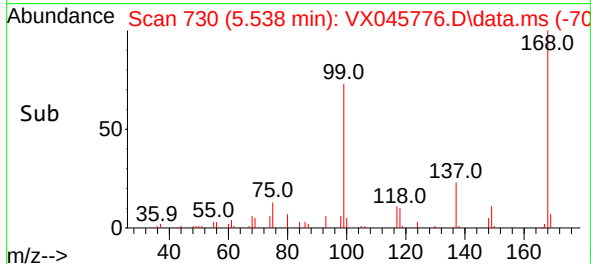
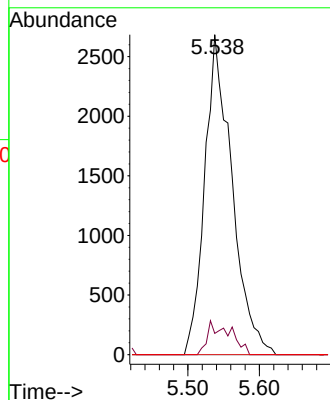
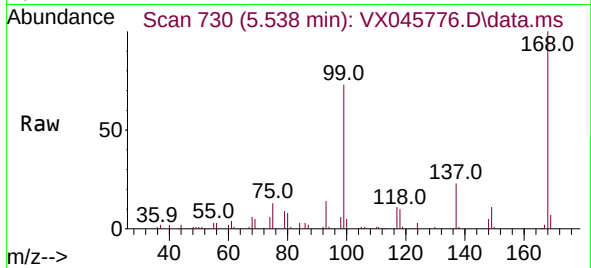




#36
1,1-Dichloropropene
Concen: 5.572 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.146 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

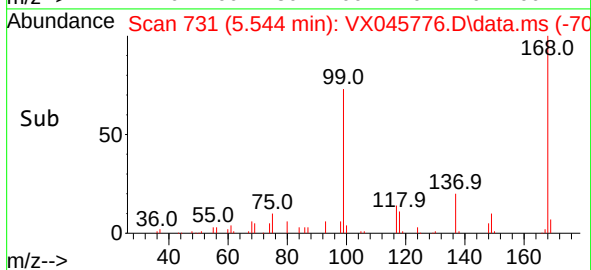
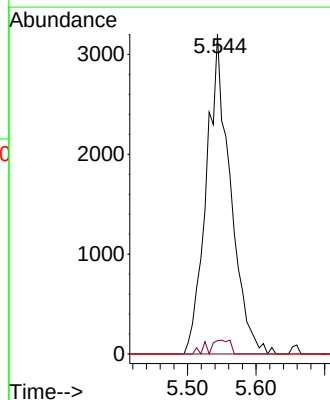
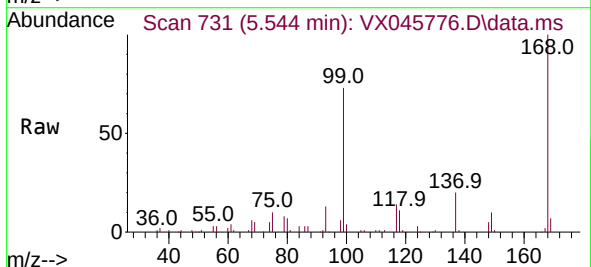
Instrument :
MSVOA_X
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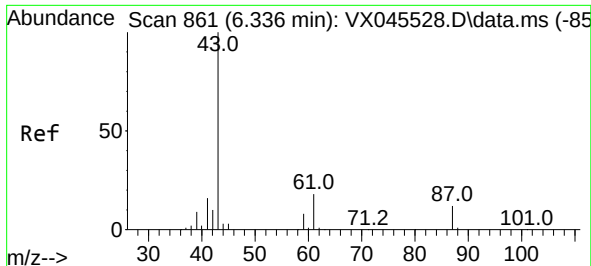
Tgt Ion: 75 Resp: 7099
Ion Ratio Lower Upper
75 100
110 4.2 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.669 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 117 Resp: 7806
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.2 36.2#

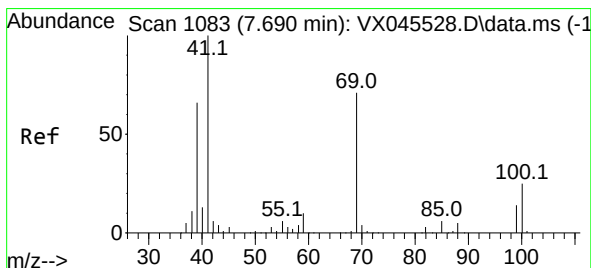
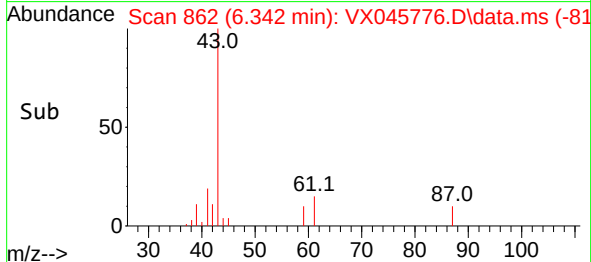
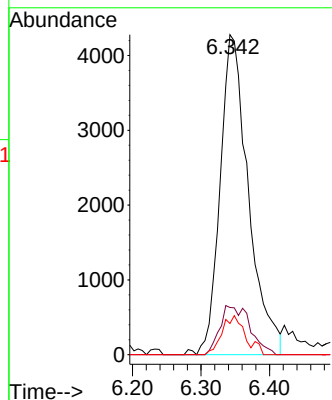
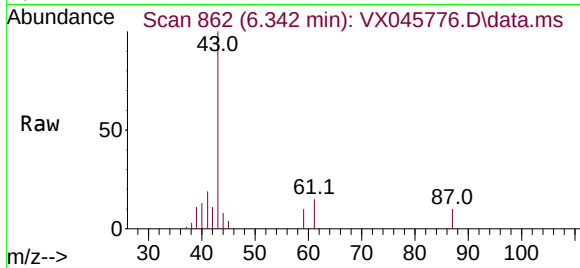




#43
Isopropyl Acetate
Concen: 5.049 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

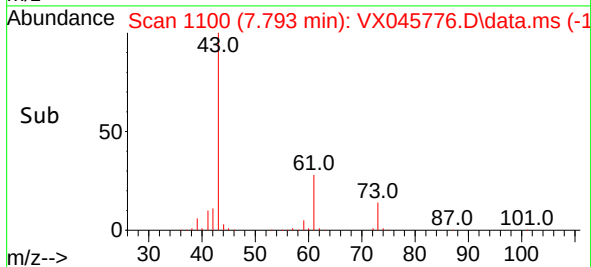
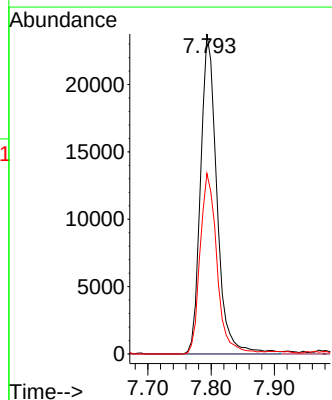
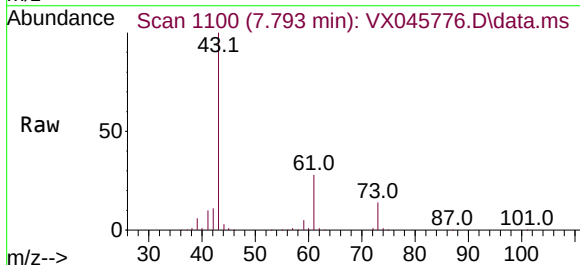
Instrument :
MSVOA_X
ClientSampleId :
TP-5C

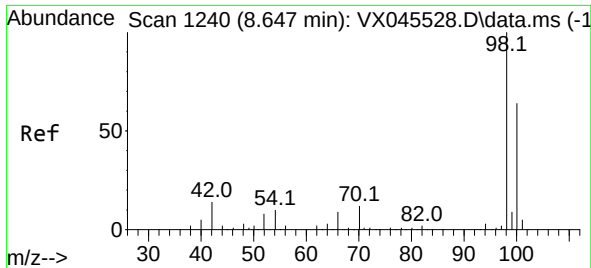
Tgt Ion: 43 Resp: 12286
Ion Ratio Lower Upper
43 100
61 16.3 14.1 21.1
87 10.0 9.2 13.8



#48
Methyl methacrylate
Concen: 34.029 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 41 Resp: 42757
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.5 53.6 80.4

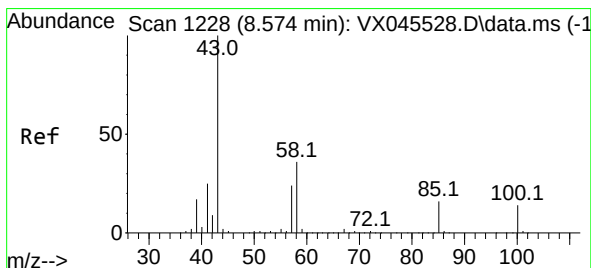
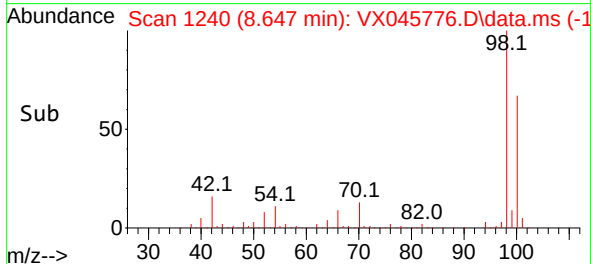
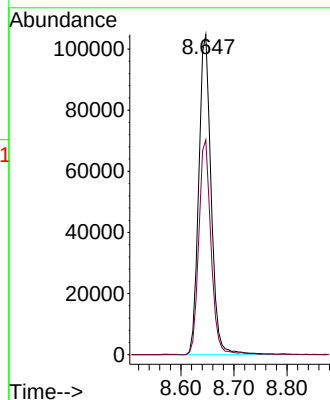
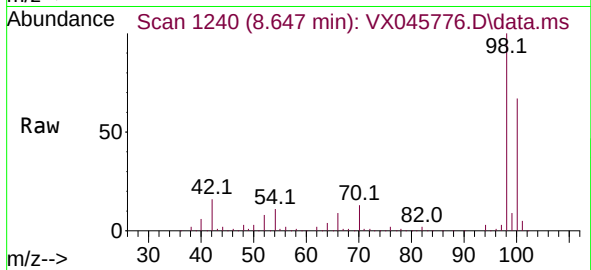




#50
Toluene-d8
Concen: 51.359 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

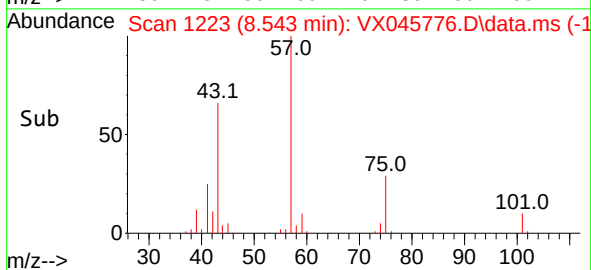
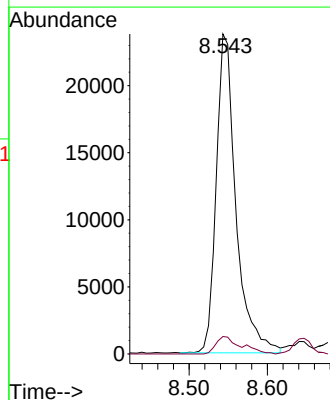
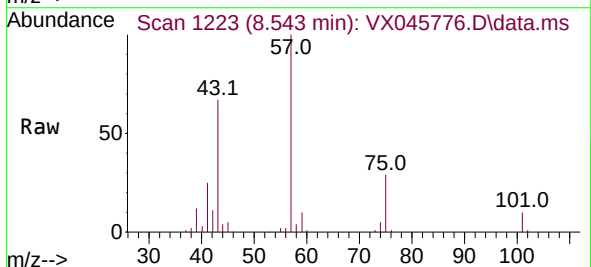
Instrument :
MSVOA_X
ClientSampleId :
TP-5C

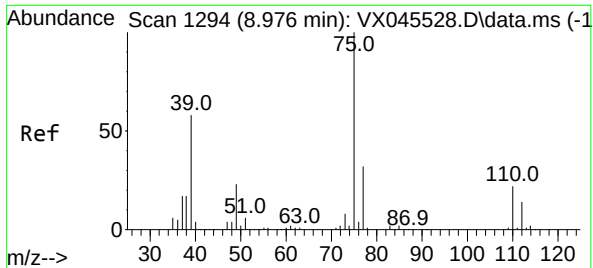
Tgt Ion: 98 Resp: 169160
Ion Ratio Lower Upper
98 100
100 66.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.816 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 43 Resp: 41648
Ion Ratio Lower Upper
43 100
58 7.0 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.401 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045776.D

Acq: 14 Apr 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

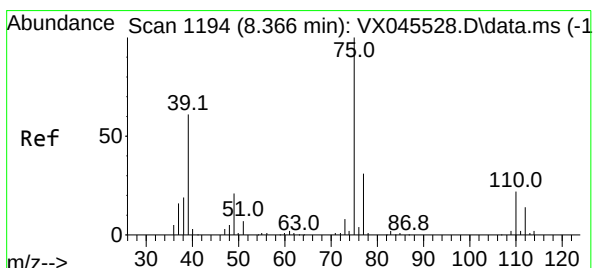
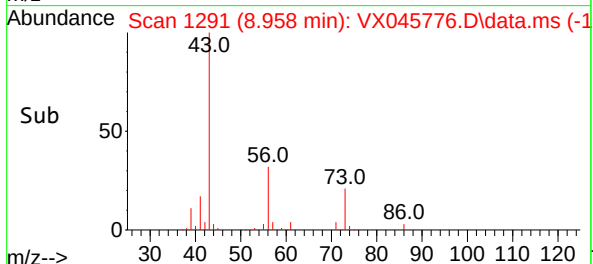
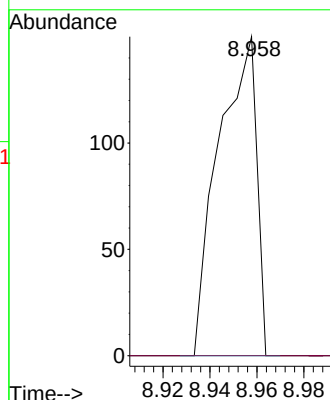
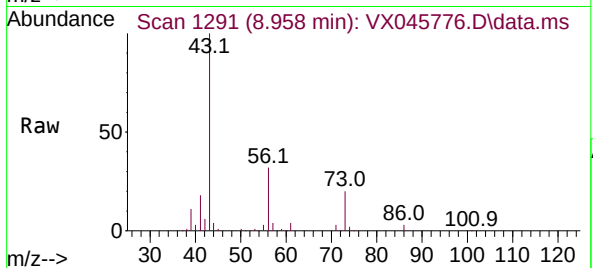
TP-5C

Tgt Ion: 75 Resp: 168

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.869 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.177 min

Lab File: VX045776.D

Acq: 14 Apr 2025 18:17

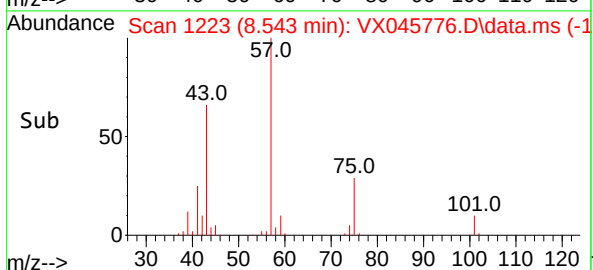
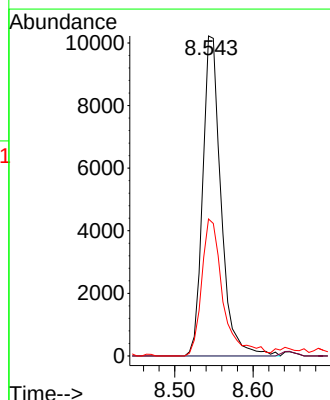
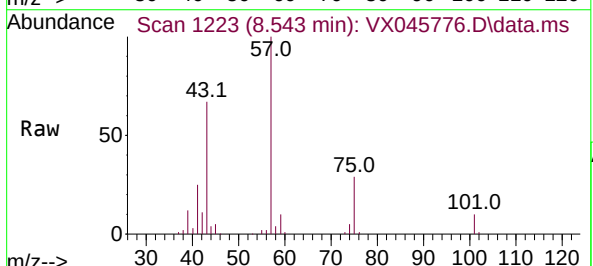
Tgt Ion: 75 Resp: 16601

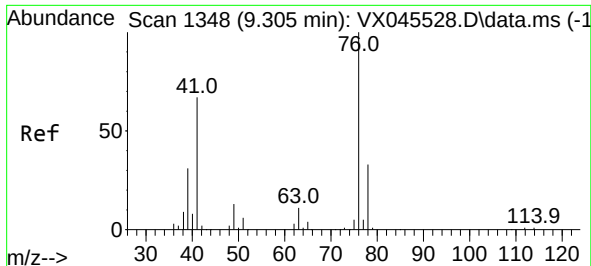
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 42.8 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.886 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045776.D

Acq: 14 Apr 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

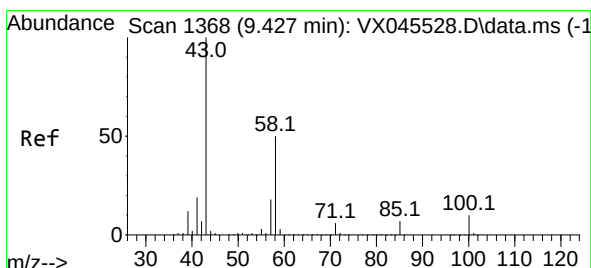
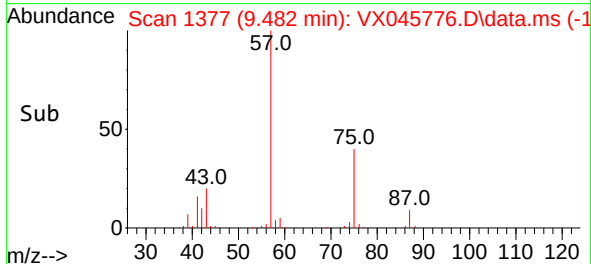
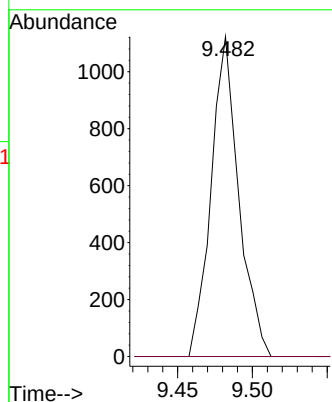
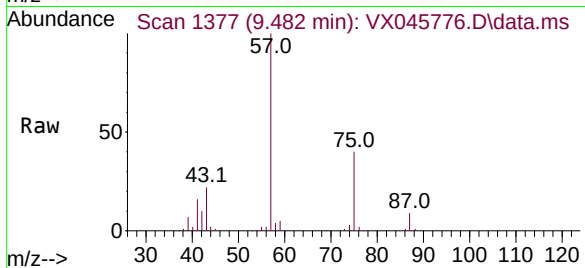
TP-5C

Tgt Ion: 76 Resp: 1447

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.568 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045776.D

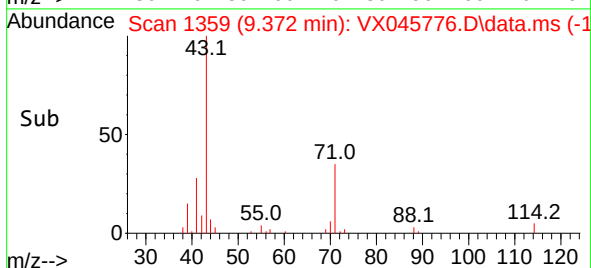
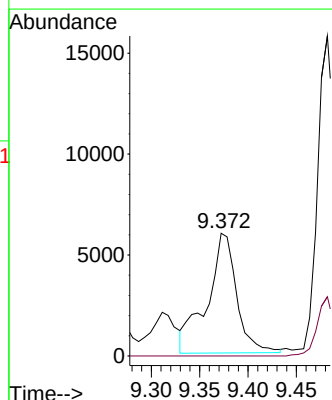
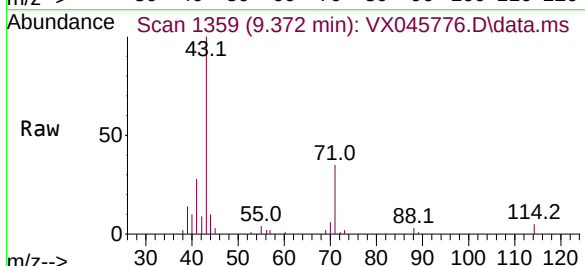
Acq: 14 Apr 2025 18:17

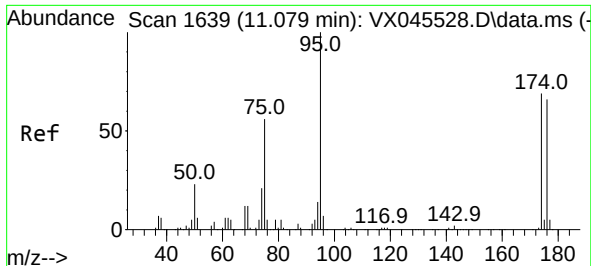
Tgt Ion: 43 Resp: 12625

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

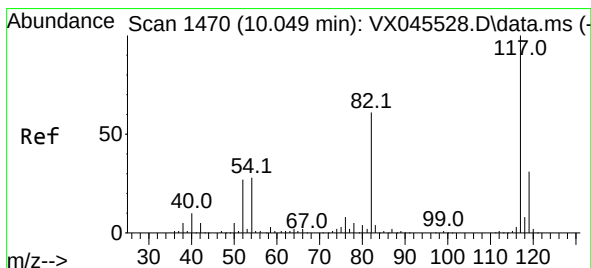
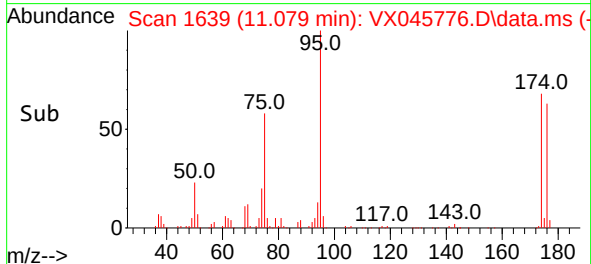
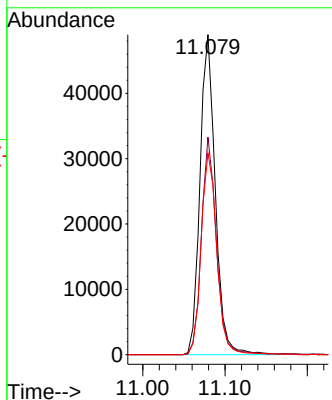
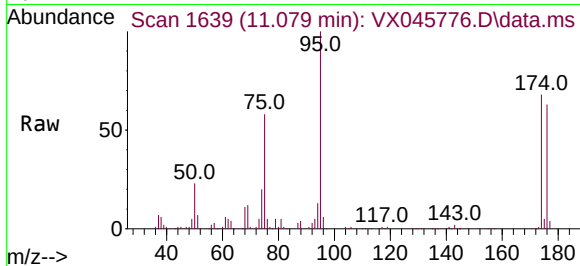




#62
4-Bromofluorobenzene
Concen: 53.012 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

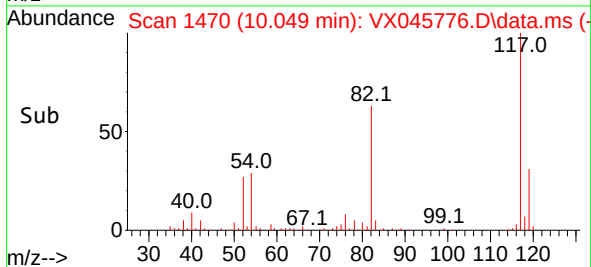
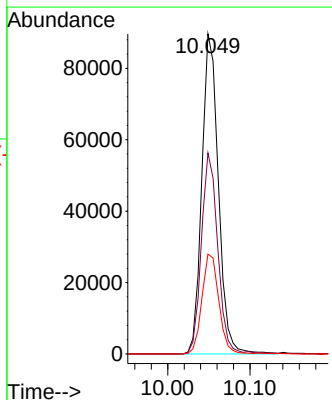
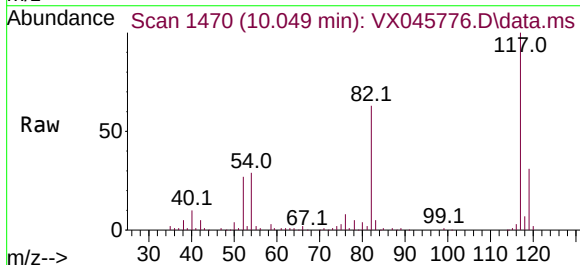
Instrument :
MSVOA_X
ClientSampleId :
TP-5C

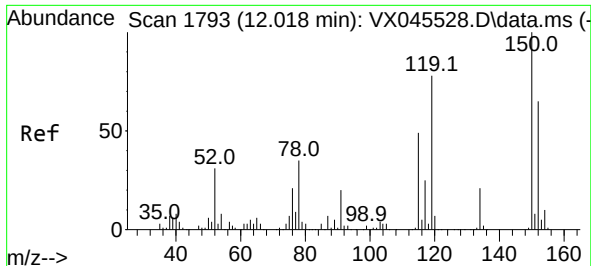
Tgt Ion: 95 Resp: 63599
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 64.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 117 Resp: 125448
Ion Ratio Lower Upper
117 100
82 62.8 49.2 73.8
119 31.2 25.1 37.7

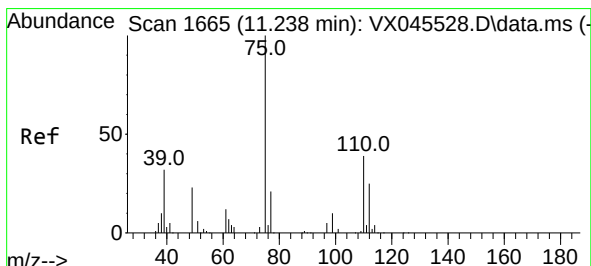
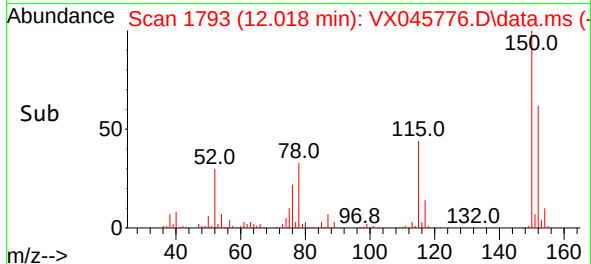
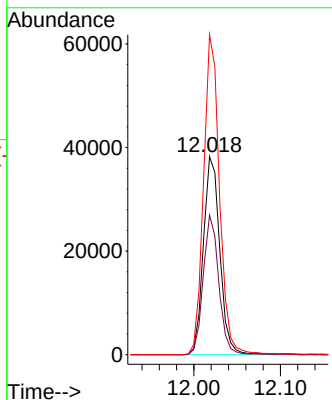
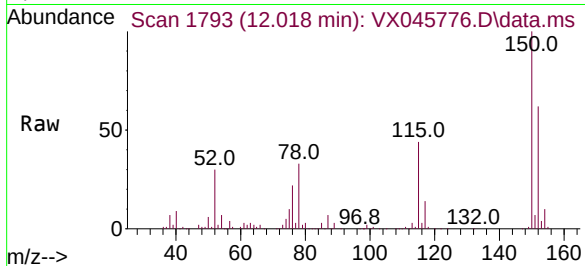




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045776.D
 Acq: 14 Apr 2025 18:17

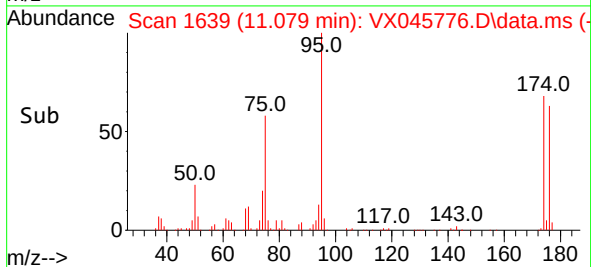
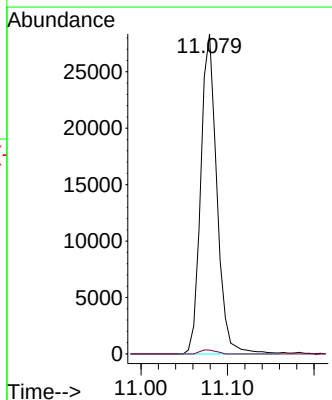
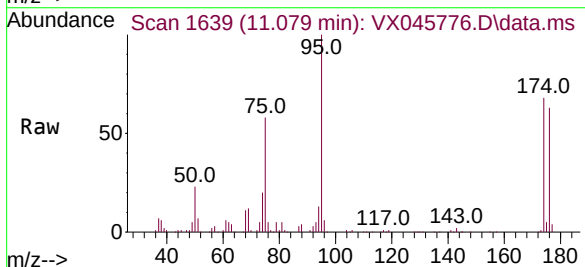
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5C

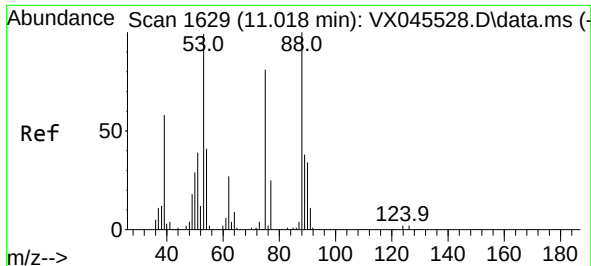
Tgt Ion:152 Resp: 50289
 Ion Ratio Lower Upper
 152 100
 115 66.9 46.9 140.7
 150 157.6 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.935 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045776.D
 Acq: 14 Apr 2025 18:17

Tgt Ion: 75 Resp: 36720
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.0 59.9#

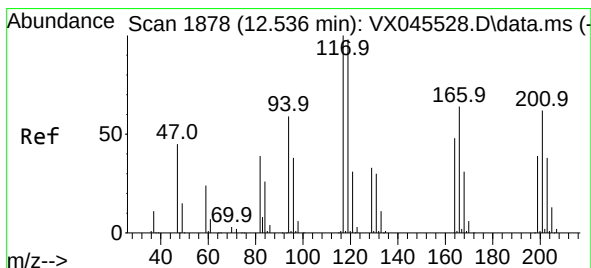
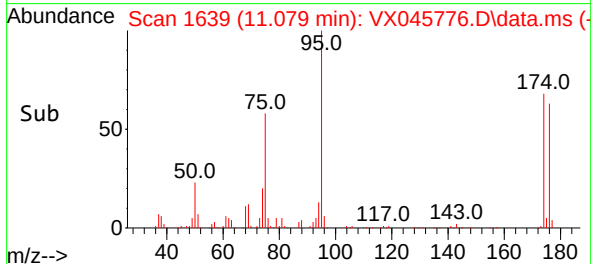
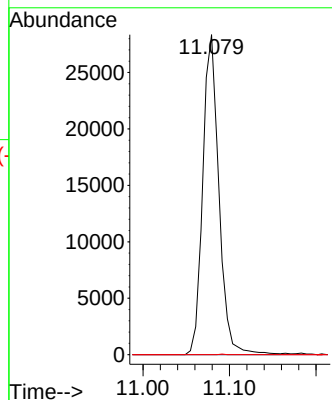
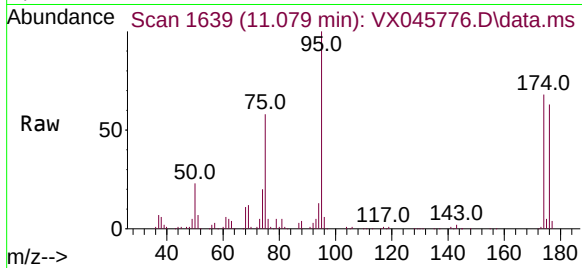




#81
trans-1,4-Dichloro-2-butene
Concen: 101.595 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
TP-5C

Tgt Ion: 75 Resp: 36720
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#



#90
Hexachloroethane
Concen: 0.207 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.158 min
Lab File: VX045776.D
Acq: 14 Apr 2025 18:17

Tgt Ion: 117 Resp: 119
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#

