

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045769.D
 Acq On : 14 Apr 2025 15:35
 Operator : JC/MD
 Sample : Q1771-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7C

Quant Time: Apr 15 01:29:18 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

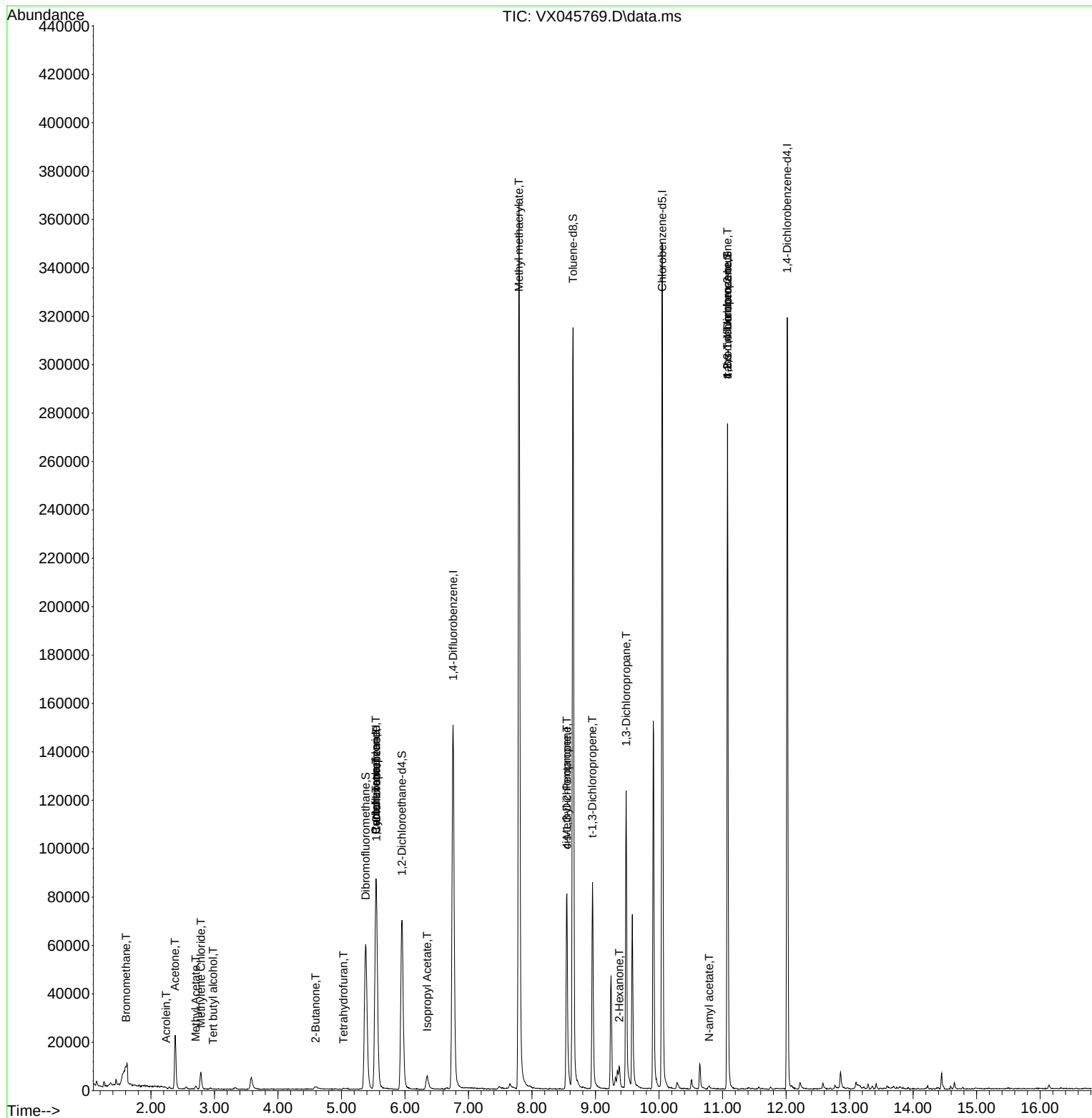
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	74310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145933	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72398	53.275	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.560%	
35) Dibromofluoromethane	5.379	113	52565	50.768	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.540%	
50) Toluene-d8	8.647	98	183264	50.710	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.420%	
62) 4-Bromofluorobenzene	11.079	95	70497	53.554	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.100%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	108	0.218	ug/l #	72
11) Tert butyl alcohol	2.977	59	71	0.389	ug/l #	72
13) Acrolein	2.239	56	224	0.891	ug/l #	79
16) Acetone	2.379	43	24107	43.201	ug/l	97
18) Methyl Acetate	2.703	43	1683	1.310	ug/l	95
20) Methylene Chloride	2.788	84	3113	2.980	ug/l	92
25) 2-Butanone	4.592	43	2149	2.631	ug/l	92
29) Tetrahydrofuran	5.031	42	121	0.228	ug/l #	62
31) Cyclohexane	5.544	56	2147	1.288	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	7122	5.094	ug/l #	51
38) Carbon Tetrachloride	5.544	117	9045	5.987	ug/l #	16
43) Isopropyl Acetate	6.348	43	8247	3.089	ug/l	99
48) Methyl methacrylate	7.793	41	36534	26.500	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	32683	18.464	ug/l #	53
53) t-1,3-Dichloropropene	8.951	75	133	2.370	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	12400	8.080	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1021	0.570	ug/l #	42
59) 2-Hexanone	9.372	43	8569	6.537	ug/l #	28
74) N-amyl acetate	10.786	43	1255	0.555	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	40540	28.141	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40540	95.506	ug/l #	1

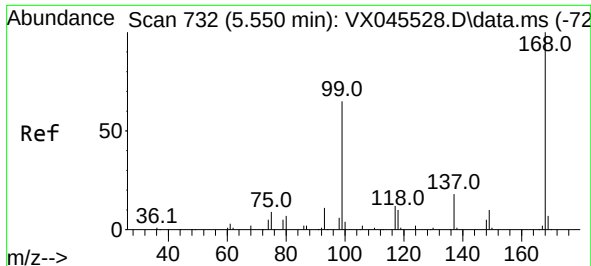
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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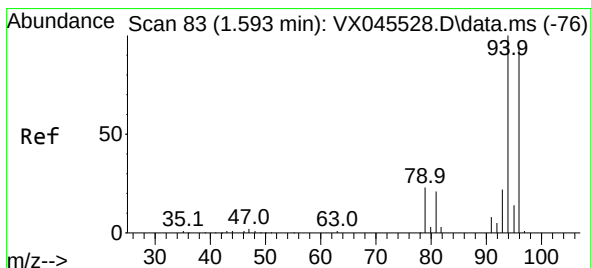
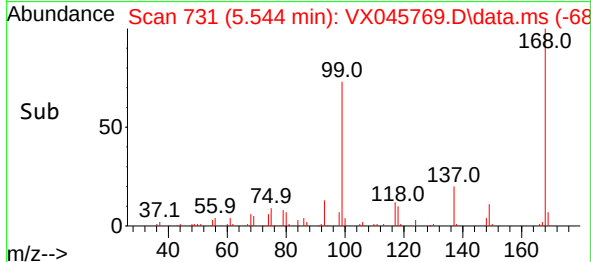
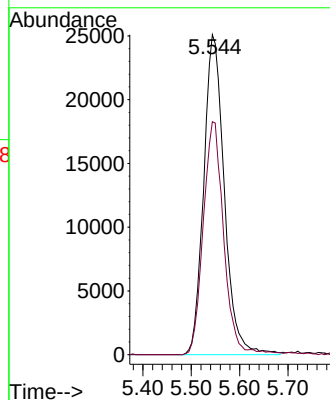
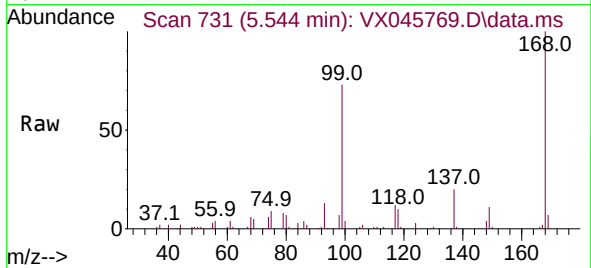




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

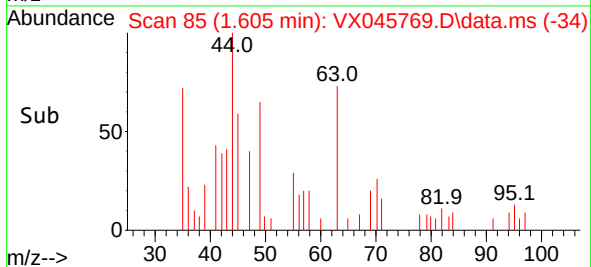
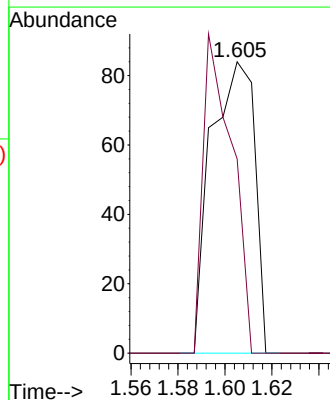
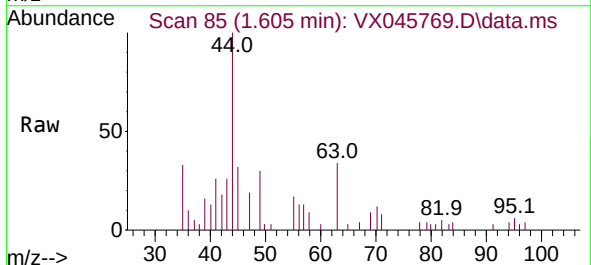
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

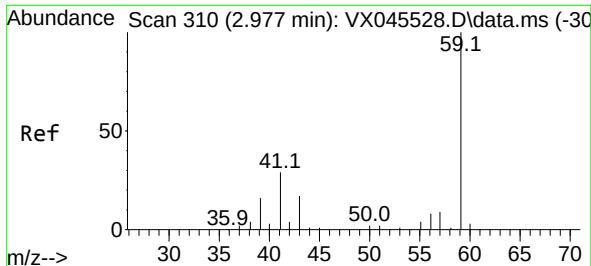
Tgt Ion:168 Resp: 74310
Ion Ratio Lower Upper
168 100
99 72.8 52.3 78.5



#5
Bromomethane
Concen: 0.218 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 66.7 74.8 112.2#

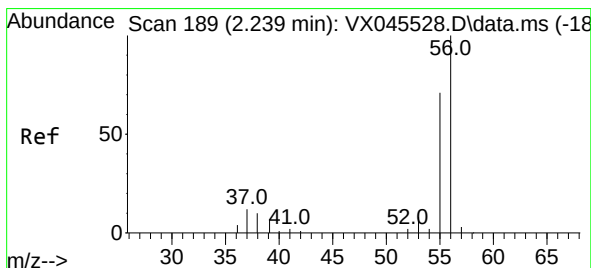
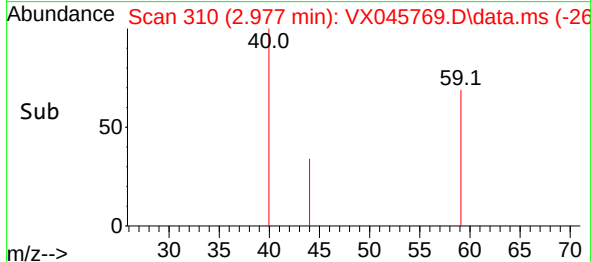
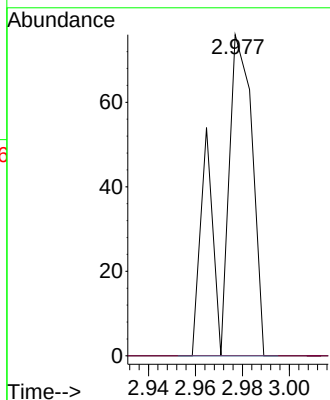
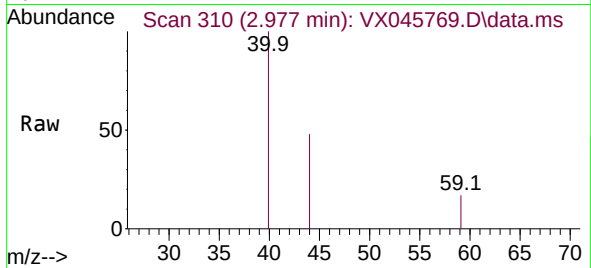




#11
Tert butyl alcohol
Concen: 0.389 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

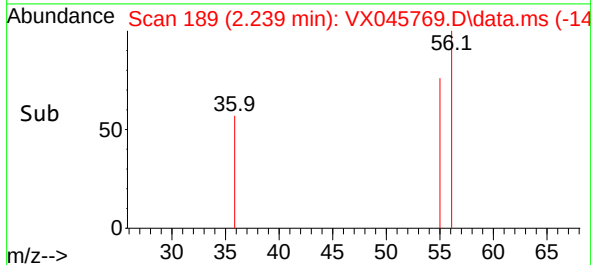
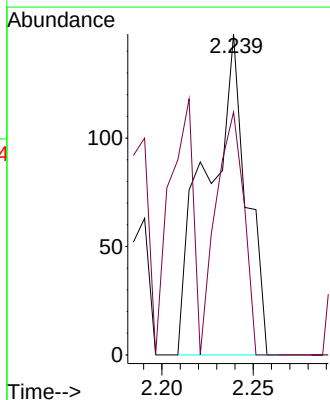
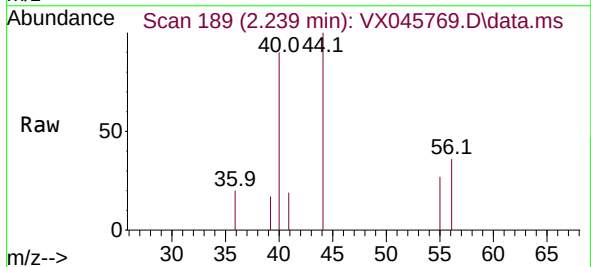
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

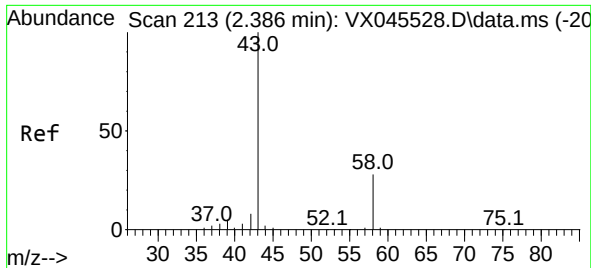
Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.891 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 53.1 56.2 84.2#

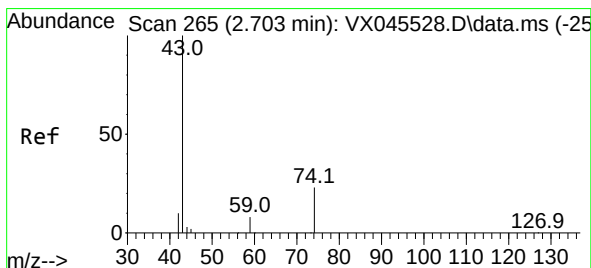
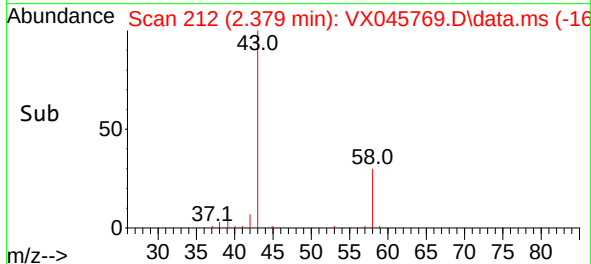
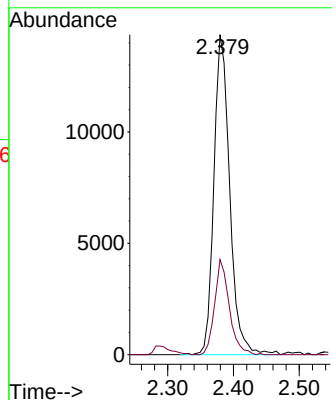
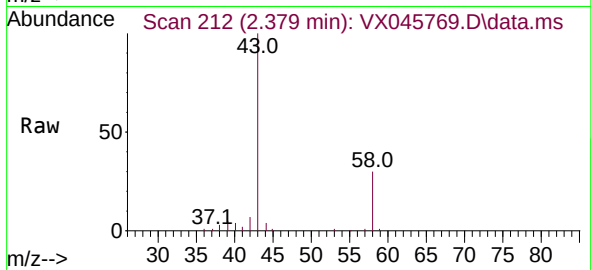




#16
Acetone
Concen: 43.201 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

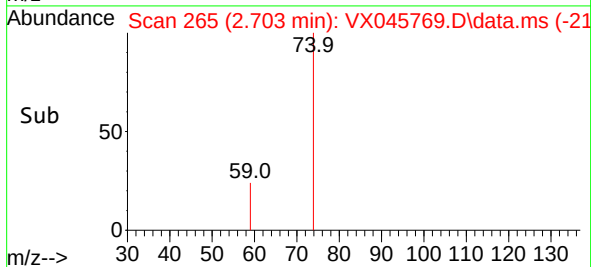
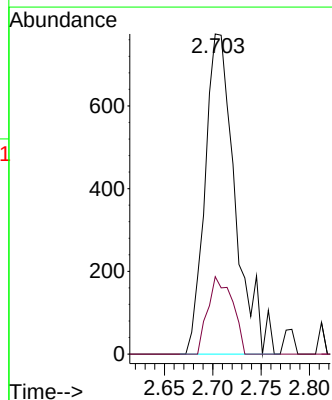
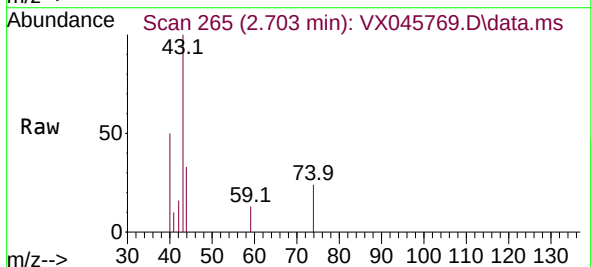
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

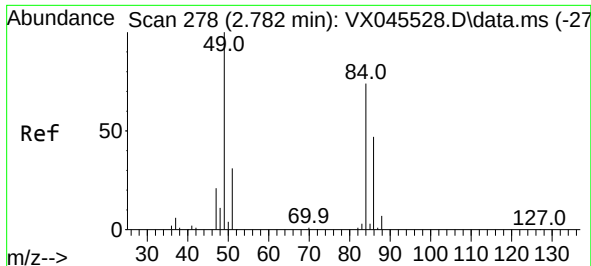
Tgt Ion: 43 Resp: 24107
Ion Ratio Lower Upper
43 100
58 29.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.310 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
74 19.7 17.5 26.3

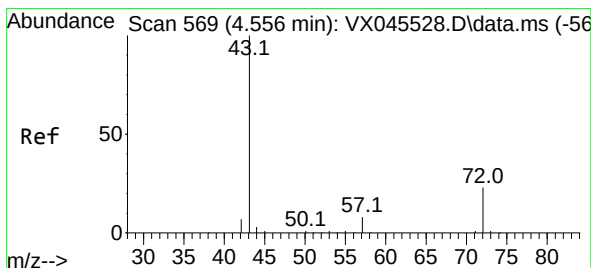
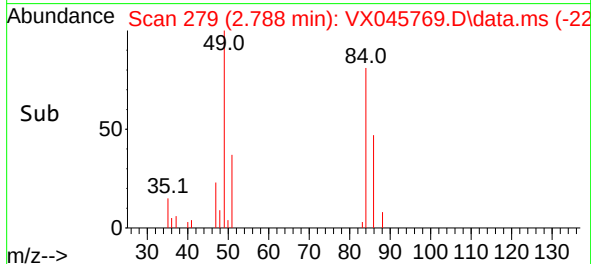
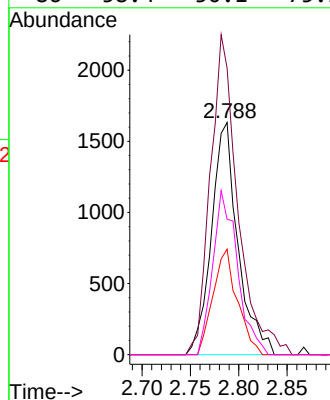
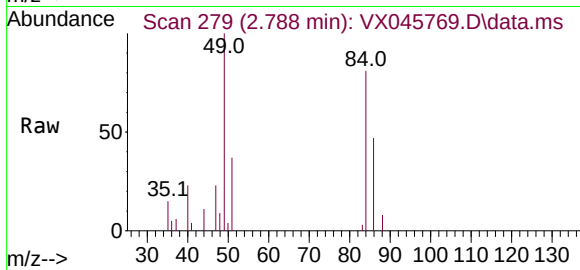




#20
Methylene Chloride
Concen: 2.980 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

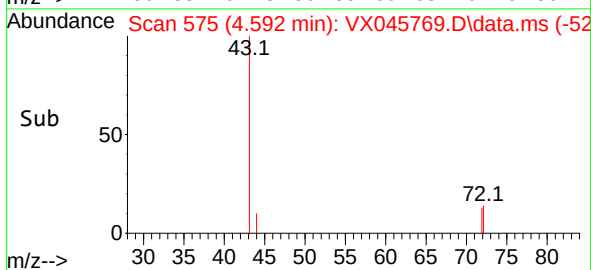
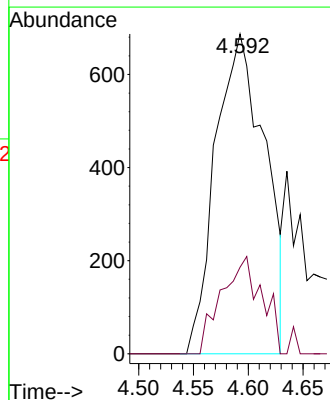
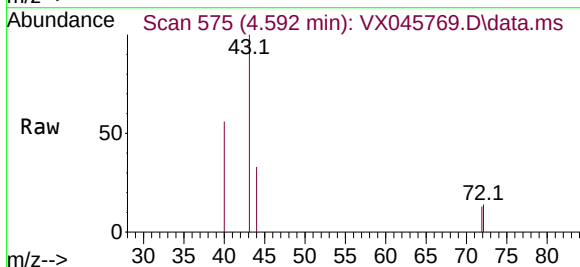
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

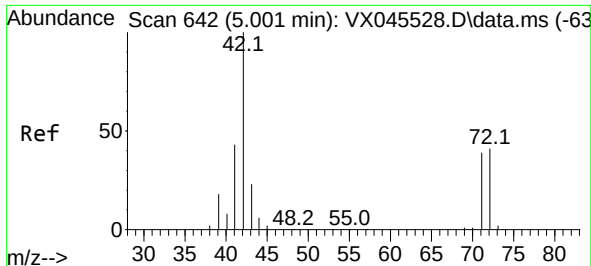
Tgt Ion:	84	Resp:	3113
Ion	Ratio	Lower	Upper
84	100		
49	123.5	107.5	161.3
51	45.4	33.0	49.6
86	58.4	50.1	75.1



#25
2-Butanone
Concen: 2.631 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion:	43	Resp:	2149
Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 5.031 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX045769.D

Acq: 14 Apr 2025 15:35

Instrument :

MSVOA_X

ClientSampleId :

TP-7C

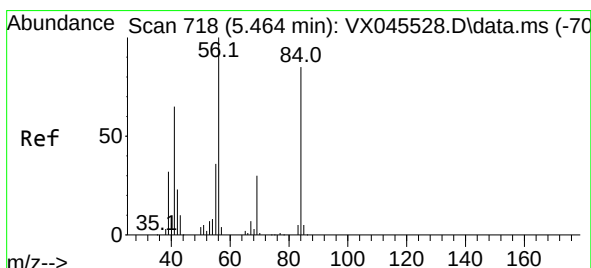
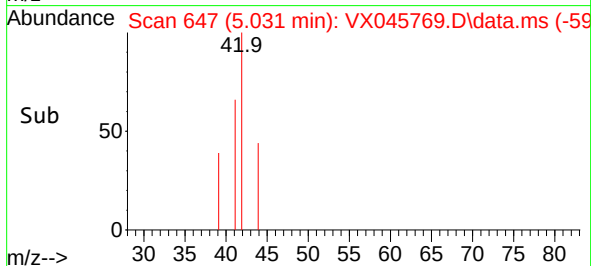
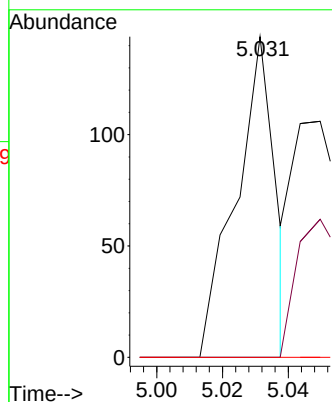
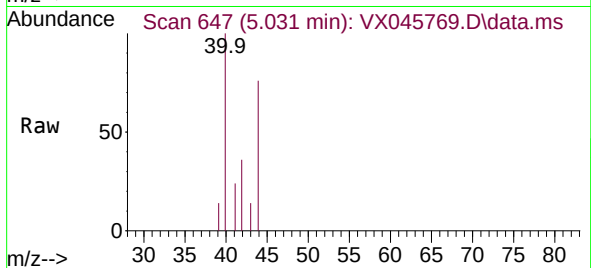
Tgt Ion: 42 Resp: 121

Ion Ratio Lower Upper

42 100

72 50.4 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045769.D

Acq: 14 Apr 2025 15:35

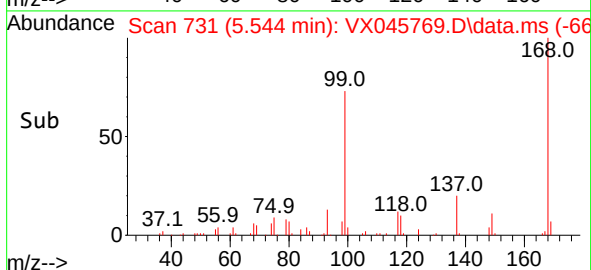
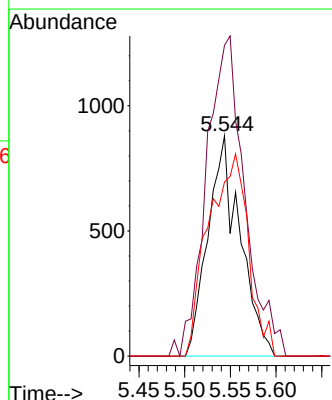
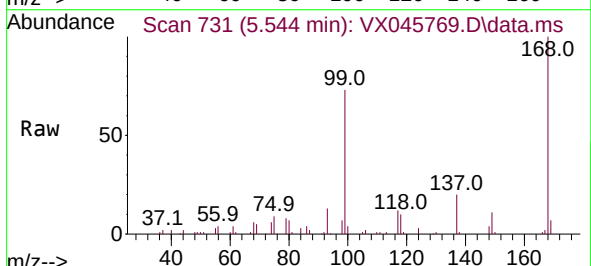
Tgt Ion: 56 Resp: 2147

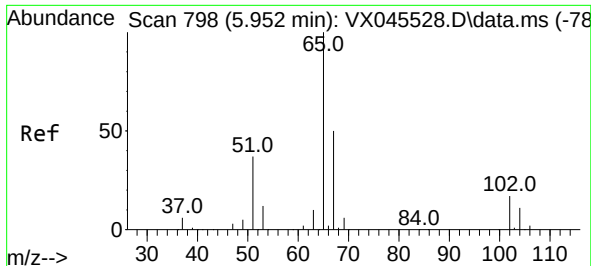
Ion Ratio Lower Upper

56 100

69 141.1 23.6 35.4#

84 79.1 67.7 101.5

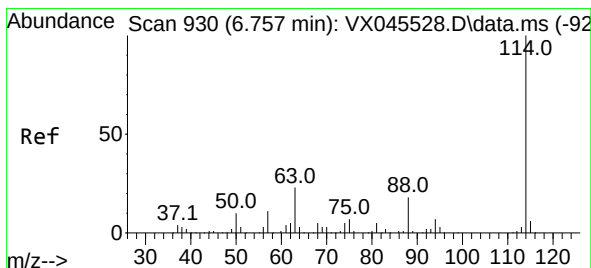
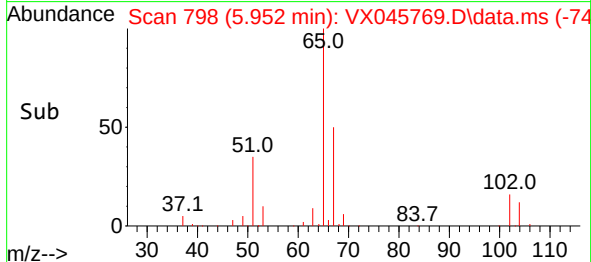
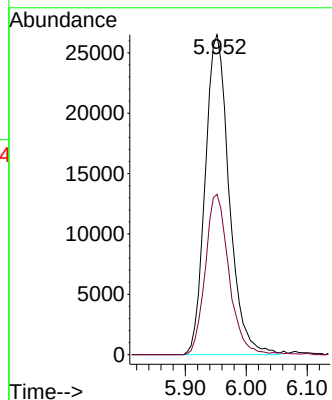
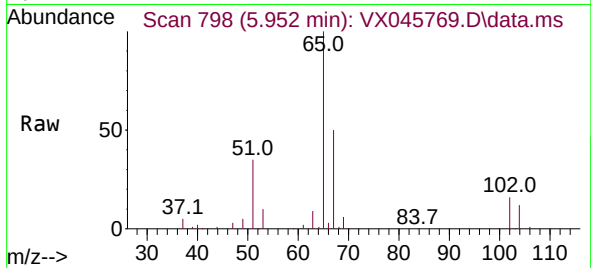




#33
 1,2-Dichloroethane-d4
 Concen: 53.275 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045769.D
 Acq: 14 Apr 2025 15:35

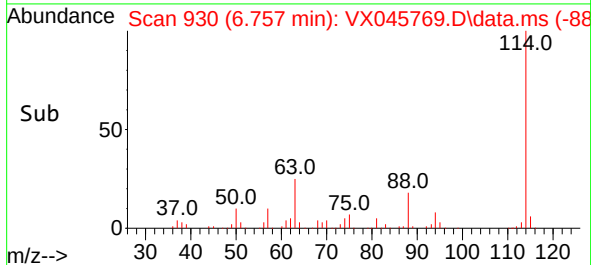
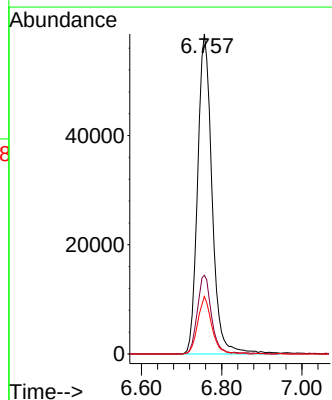
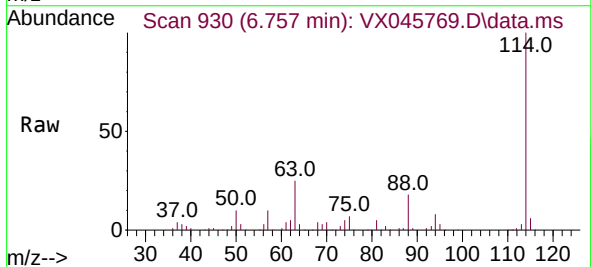
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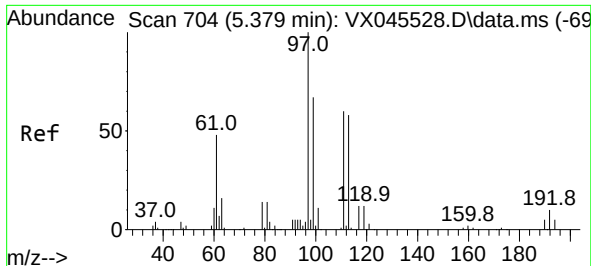
Tgt Ion: 65 Resp: 72398
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045769.D
 Acq: 14 Apr 2025 15:35

Tgt Ion: 114 Resp: 145933
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 46.8
 88 17.9 0.0 35.4

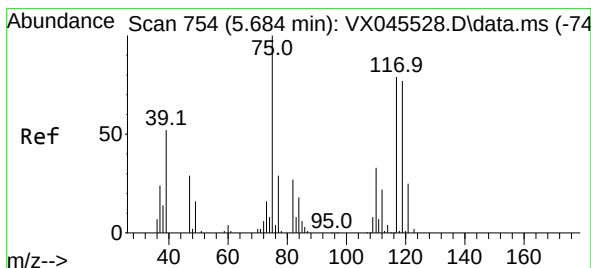
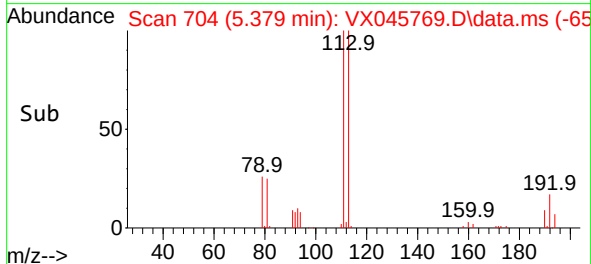
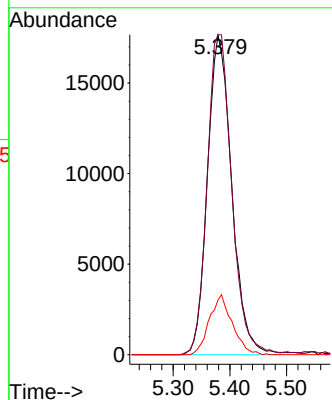
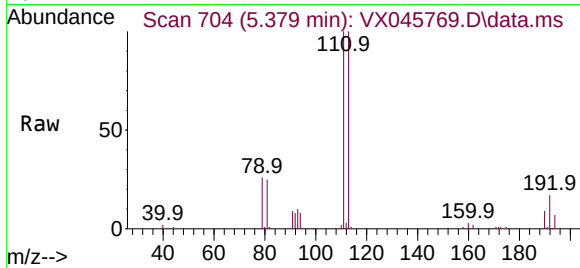




#35
Dibromofluoromethane
Concen: 50.768 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

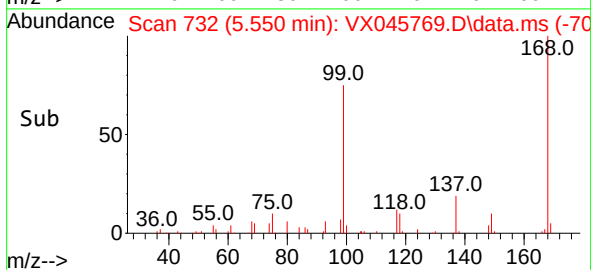
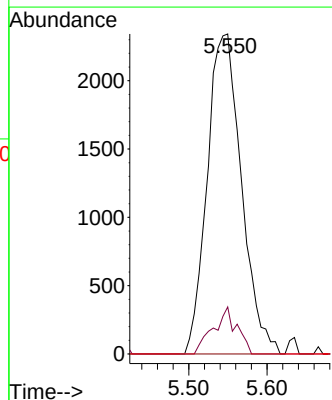
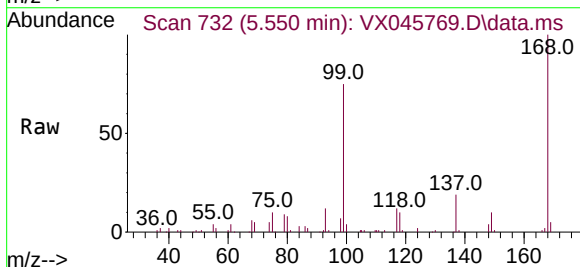
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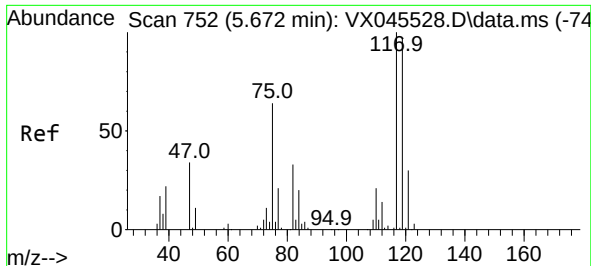
Tgt Ion:113 Resp: 52565
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 17.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 75 Resp: 7122
Ion Ratio Lower Upper
75 100
110 10.1 16.9 50.6#
77 0.0 25.0 37.4#

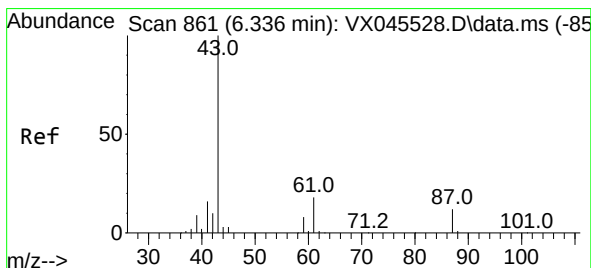
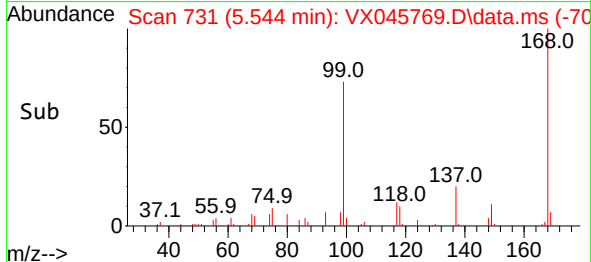
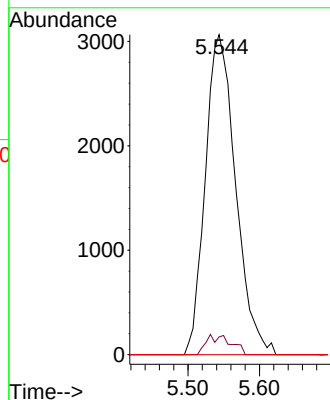
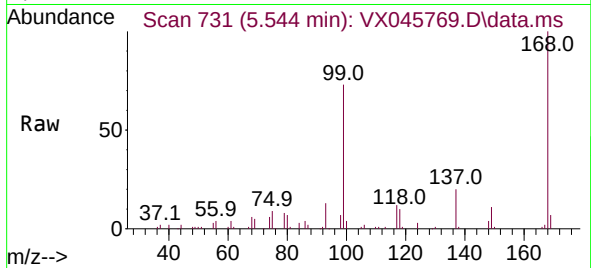




#38
Carbon Tetrachloride
Concen: 5.987 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

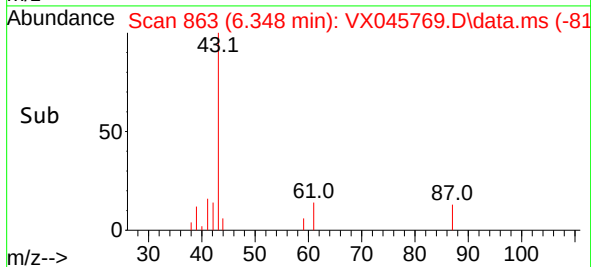
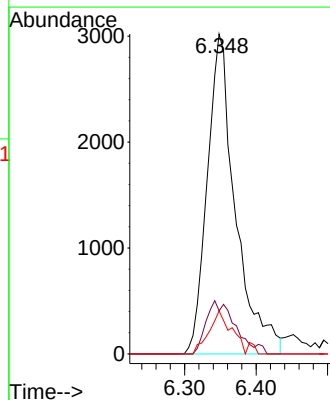
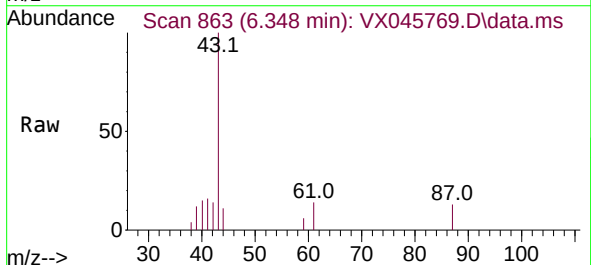
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

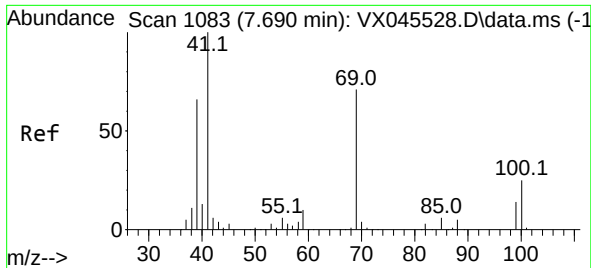
Tgt Ion:117 Resp: 9045
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.089 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 43 Resp: 8247
Ion Ratio Lower Upper
43 100
61 17.4 14.1 21.1
87 10.7 9.2 13.8

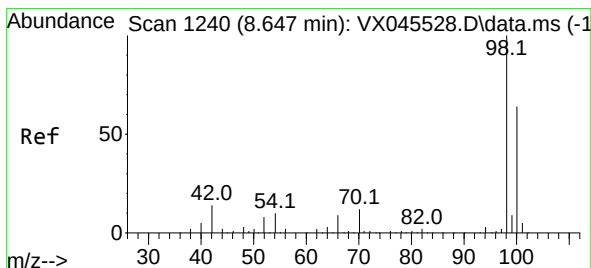
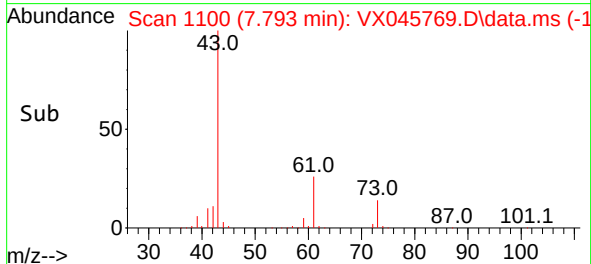
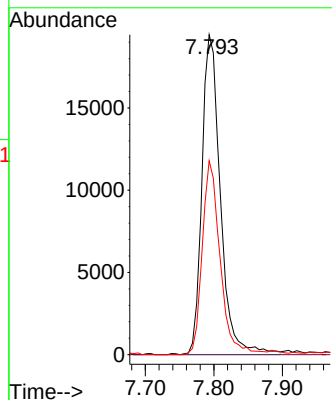
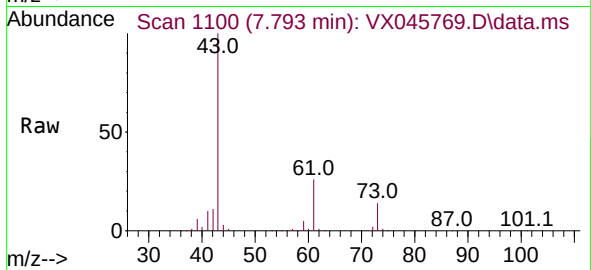




#48
Methyl methacrylate
Concen: 26.500 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

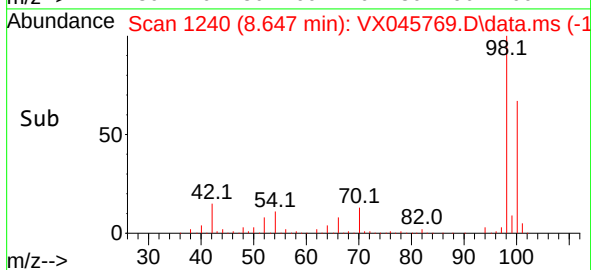
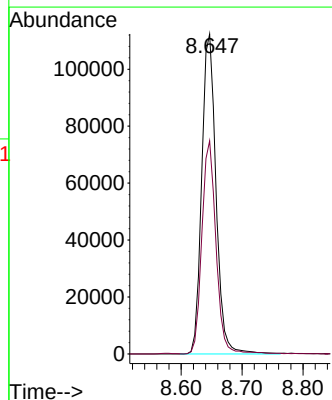
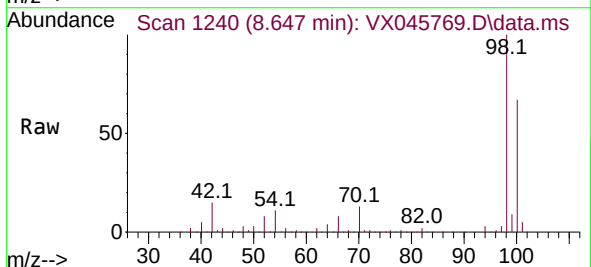
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

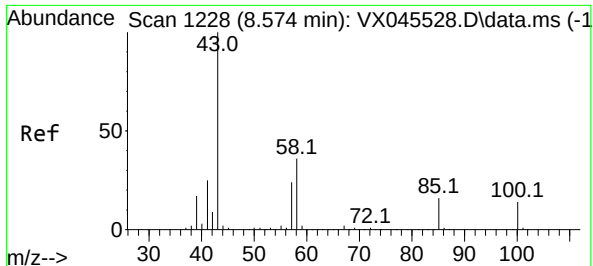
Tgt Ion: 41 Resp: 36534
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.5 53.6 80.4



#50
Toluene-d8
Concen: 50.710 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 98 Resp: 183264
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.4

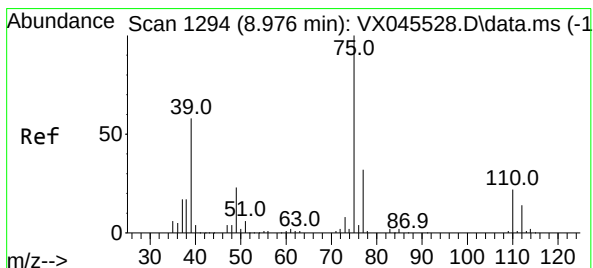
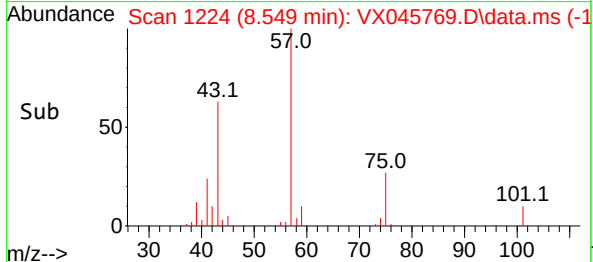
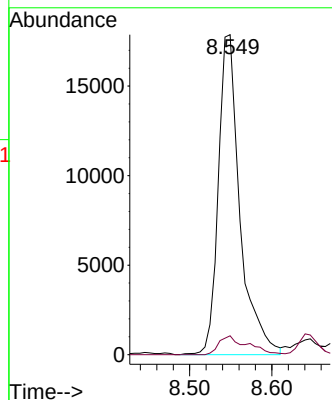
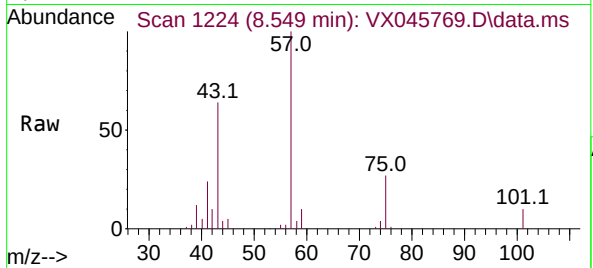




#51
4-Methyl-2-Pentanone
Concen: 18.464 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

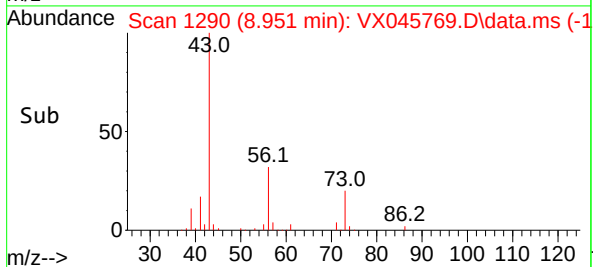
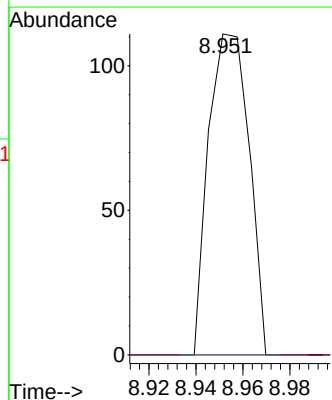
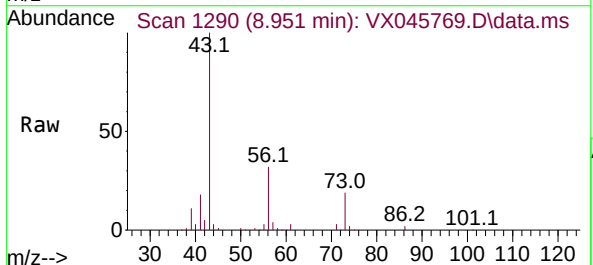
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

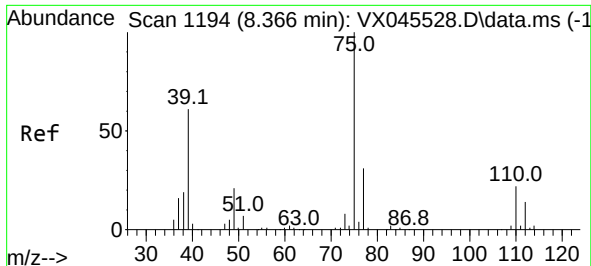
Tgt Ion: 43 Resp: 32683
Ion Ratio Lower Upper
43 100
58 7.9 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.370 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

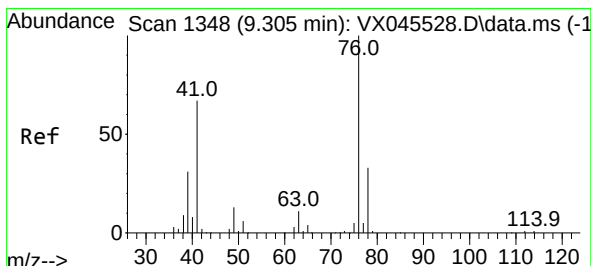
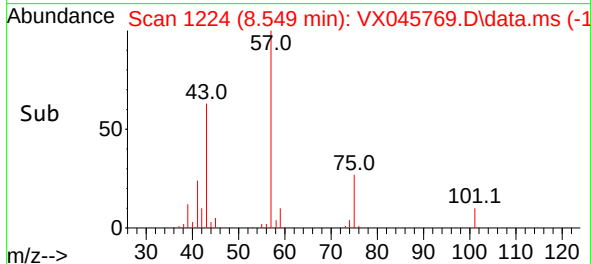
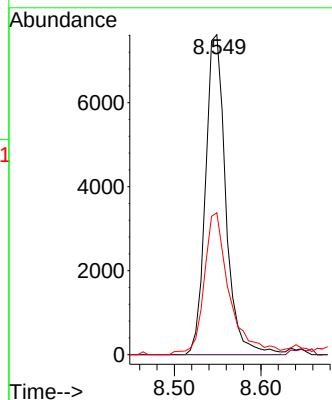
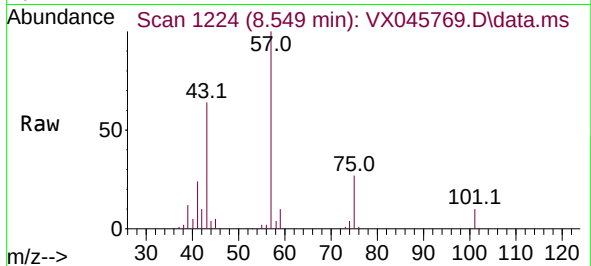




#54
 cis-1,3-Dichloropropene
 Concen: 8.080 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045769.D
 Acq: 14 Apr 2025 15:35

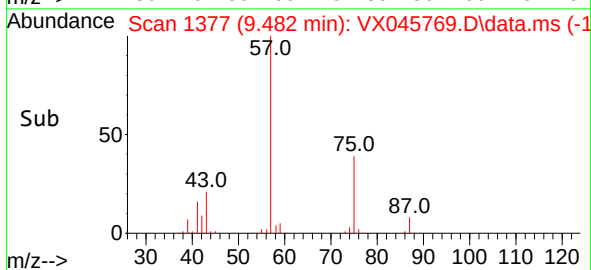
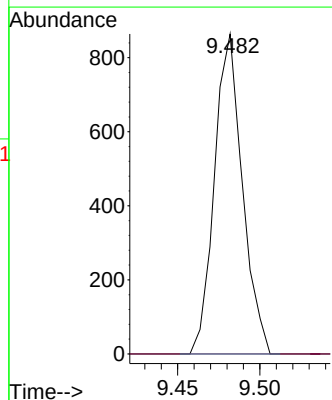
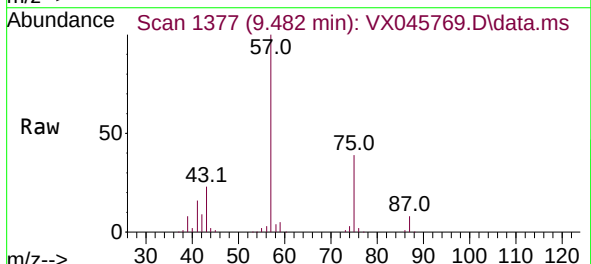
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7C

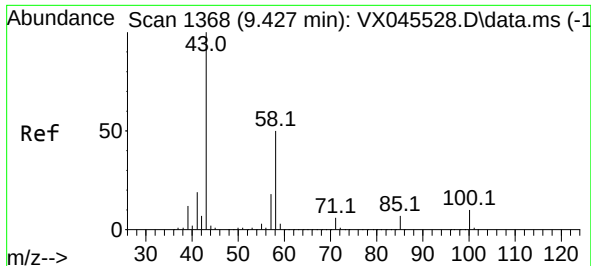
Tgt Ion: 75 Resp: 12400
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.3 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.570 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045769.D
 Acq: 14 Apr 2025 15:35

Tgt Ion: 76 Resp: 1021
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

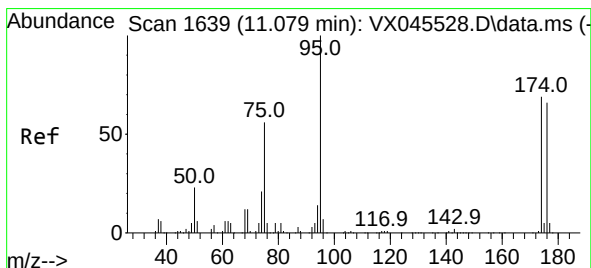
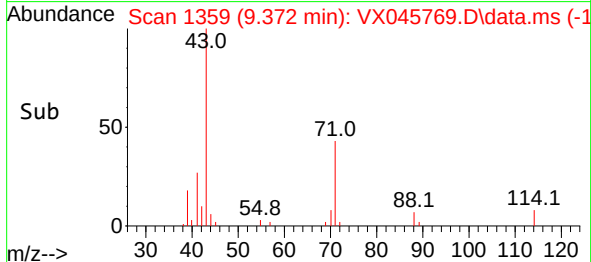
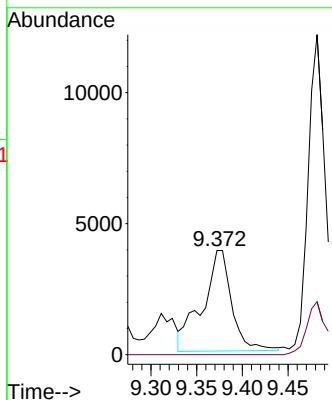
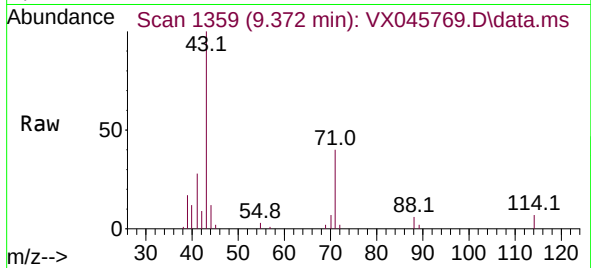




#59
2-Hexanone
Concen: 6.537 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

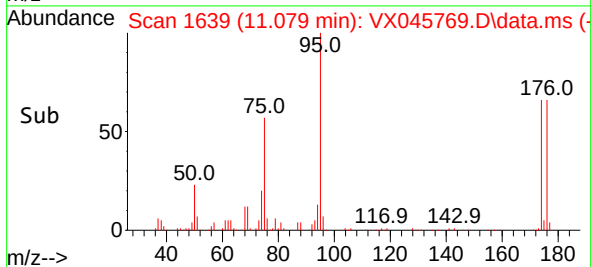
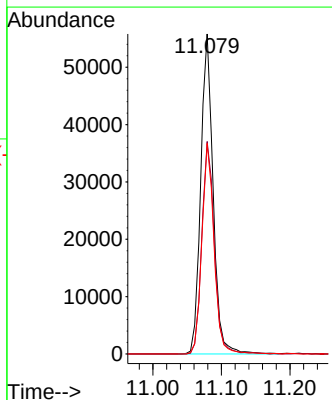
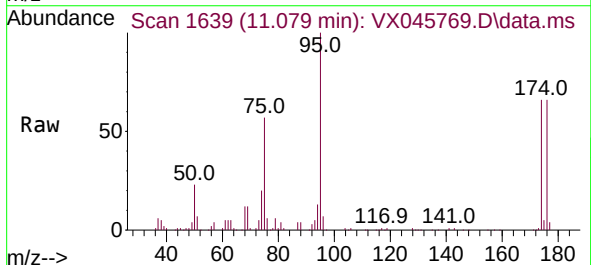
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

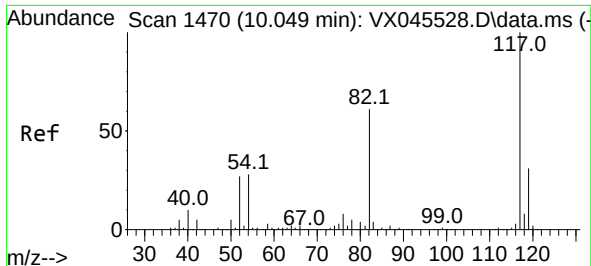
Tgt Ion: 43 Resp: 8569
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.554 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion: 95 Resp: 70497
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 64.8 0.0 131.4

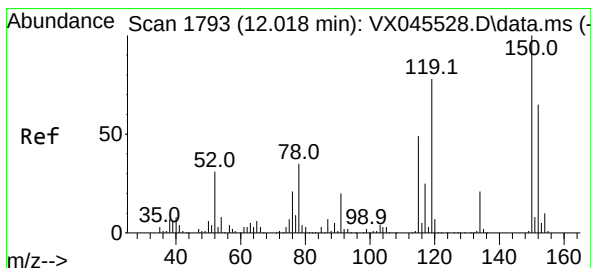
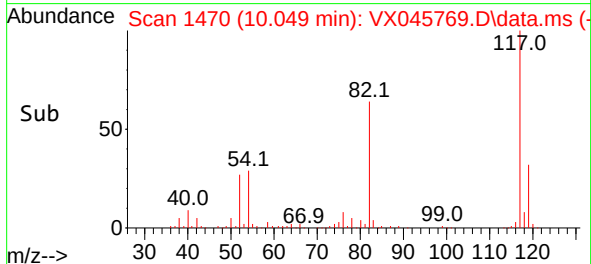
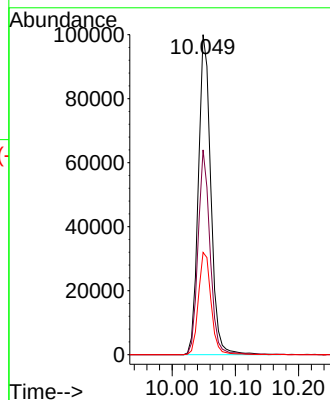
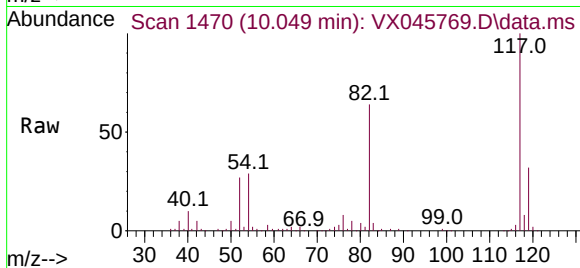




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

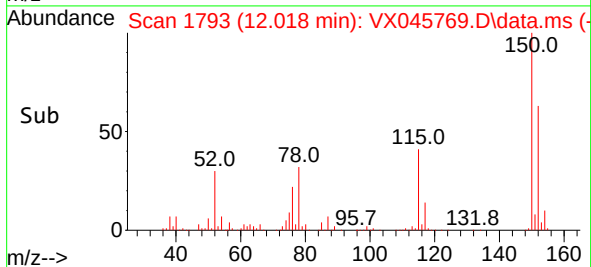
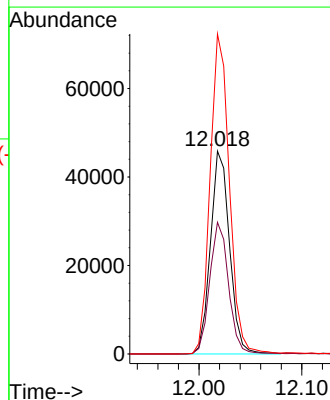
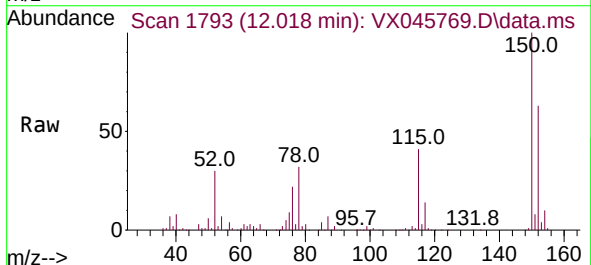
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

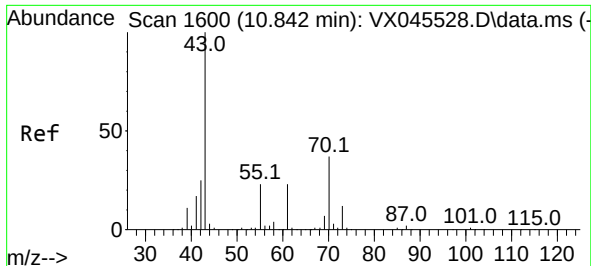
Tgt Ion:117 Resp: 137028
Ion Ratio Lower Upper
117 100
82 64.0 49.2 73.8
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion:152 Resp: 59060
Ion Ratio Lower Upper
152 100
115 64.2 46.9 140.7
150 158.8 0.0 349.4

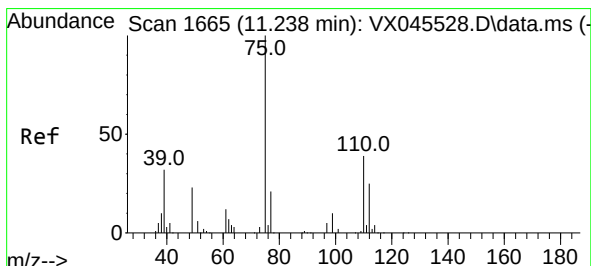
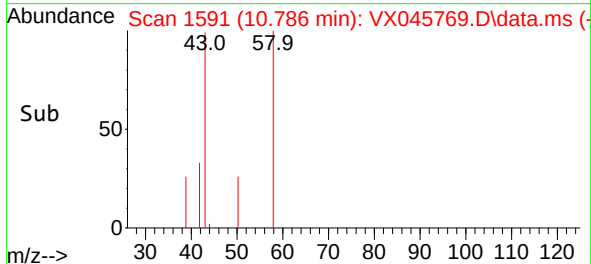
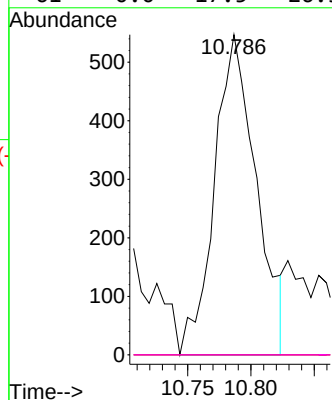
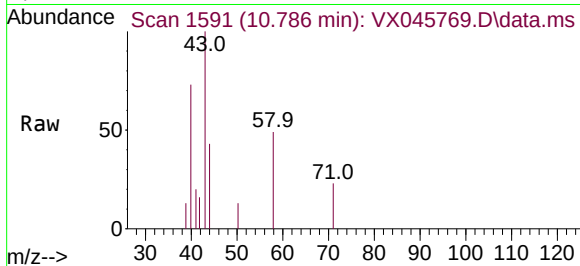




#74
N-amy1 acetate
Concen: 0.555 ug/l
RT: 10.786 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

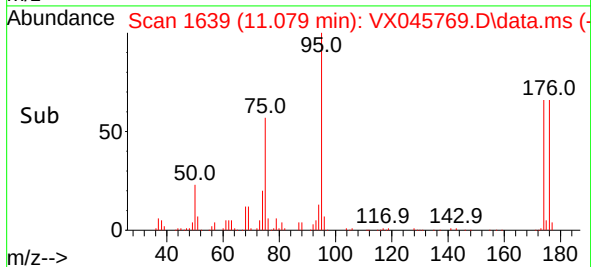
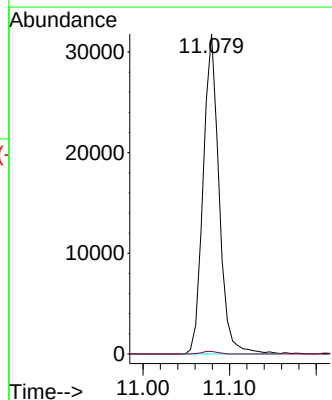
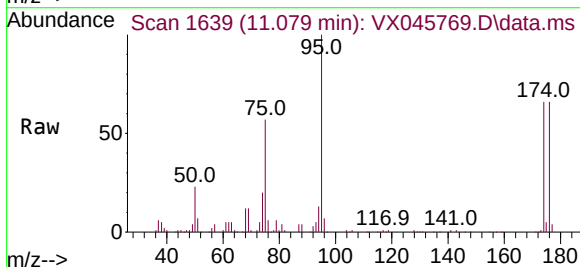
Instrument :
MSVOA_X
ClientSampleId :
TP-7C

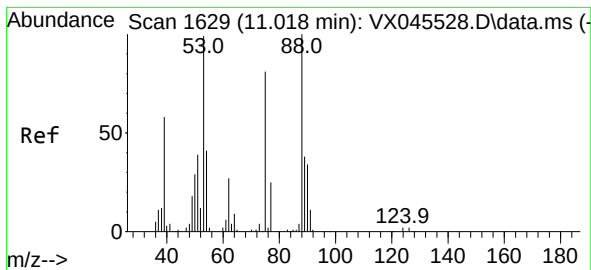
Tgt Ion:	43	Resp:	1255
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	0.0	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 28.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045769.D
Acq: 14 Apr 2025 15:35

Tgt Ion:	75	Resp:	40540
Ion	Ratio	Lower	Upper
75	100		
77	0.8	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.506 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045769.D
 Acq: 14 Apr 2025 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7C

Tgt Ion: 75 Resp: 40540
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

