

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045657.D
 Acq On : 08 Apr 2025 17:07
 Operator : JC/MD
 Sample : Q1740-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20

Quant Time: Apr 09 01:42:19 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)

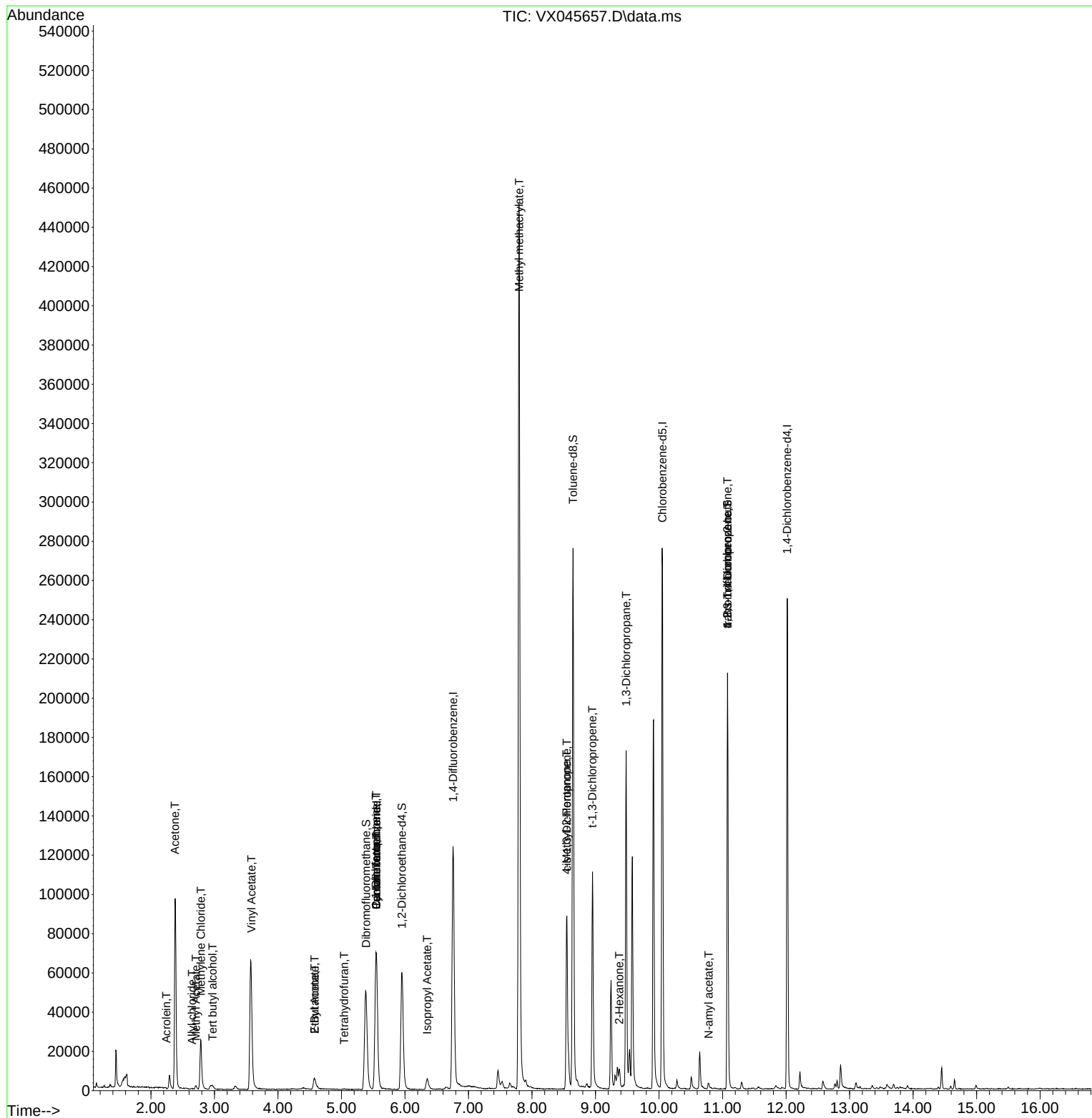
Internal Standards						
1) Pentafluorobenzene	5.549	168	60133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	120743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62577	56.905	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.800%	
35) Dibromofluoromethane	5.385	113	44020	51.385	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.760%	
50) Toluene-d8	8.646	98	153894	51.467	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.940%	
62) 4-Bromofluorobenzene	11.079	95	56020	51.434	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	3071	20.780	ug/l #	80
13) Acrolein	2.239	56	192	0.943	ug/l	90
14) Allyl chloride	2.647	41	394	0.288	ug/l #	49
16) Acetone	2.379	43	108393	240.042	ug/l	96
18) Methyl Acetate	2.708	43	2487	2.392	ug/l	93
20) Methylene Chloride	2.788	84	11597	13.718	ug/l	94
23) Vinyl Acetate	3.580	43	1217	0.522	ug/l #	74
25) 2-Butanone	4.574	43	10924	16.527	ug/l	94
29) Tetrahydrofuran	5.043	42	87	0.203	ug/l #	35
31) Cyclohexane	5.549	56	1860	1.379	ug/l #	41
36) 1,1-Dichloropropene	5.543	75	6256	5.409	ug/l #	49
37) Ethyl Acetate	4.574	43	10924	7.494	ug/l #	71
38) Carbon Tetrachloride	5.549	117	7294	5.835	ug/l #	14
43) Isopropyl Acetate	6.348	43	8251	3.735	ug/l	99
48) Methyl methacrylate	7.799	41	45703	40.066	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	40276	27.500	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	207	2.441	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13632	10.736	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1504	1.014	ug/l #	42
59) 2-Hexanone	9.372	43	7469	6.887	ug/l #	28
74) N-amyl acetate	10.780	43	2492	1.398	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	32757	28.861	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32757	97.952	ug/l #	1

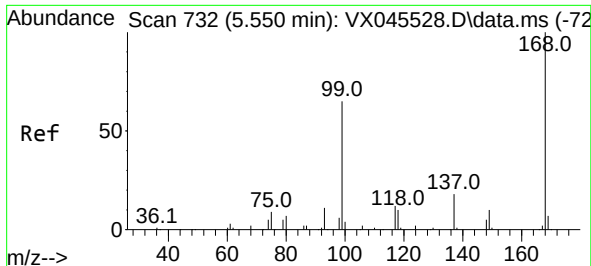
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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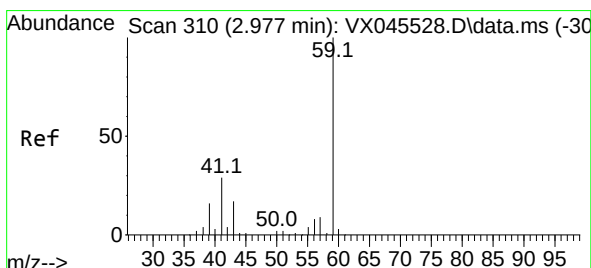
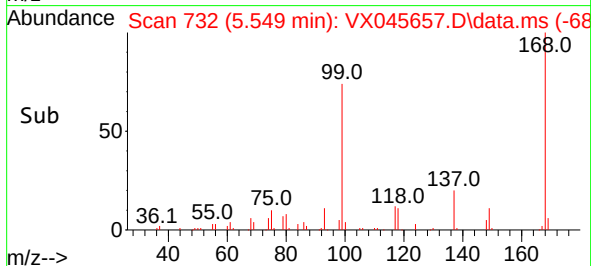
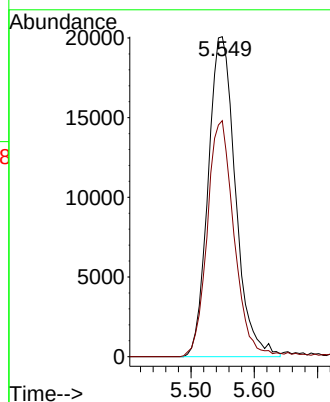
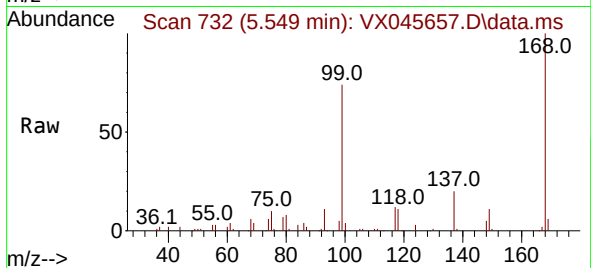




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

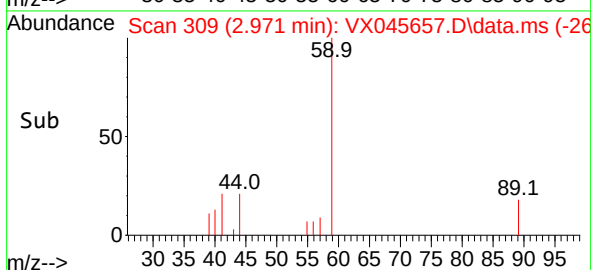
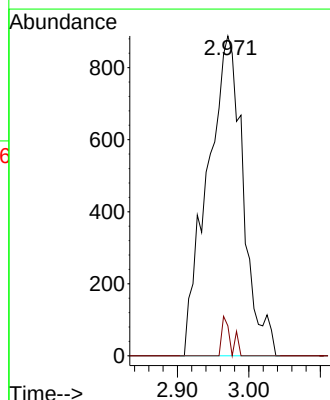
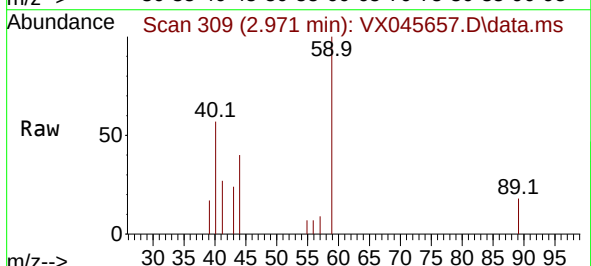
Instrument :
MSVOA_X
ClientSampleId :
TP-20

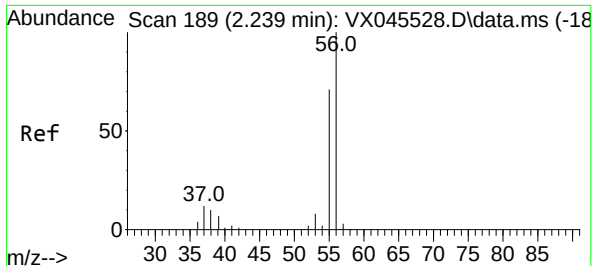
Tgt Ion:168 Resp: 60133
Ion Ratio Lower Upper
168 100
99 73.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 20.780 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 59 Resp: 3071
Ion Ratio Lower Upper
59 100
57 3.1 8.6 12.8#

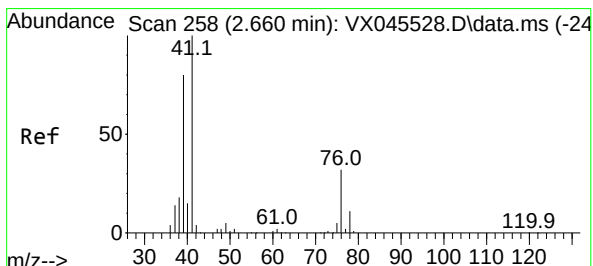
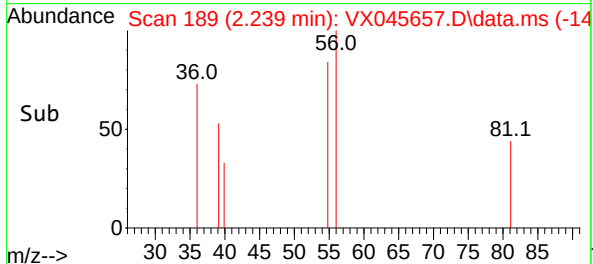
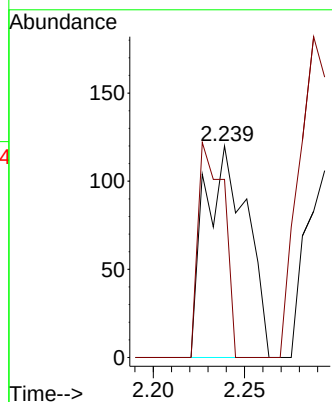
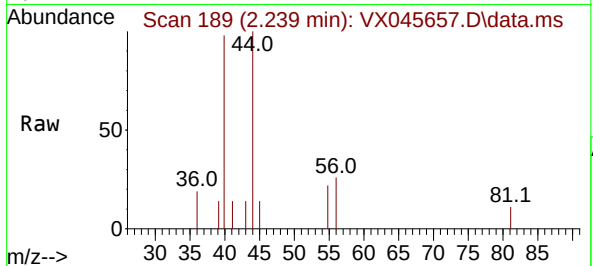




#13
Acrolein
Concen: 0.943 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

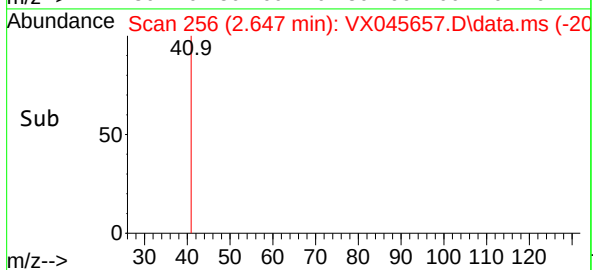
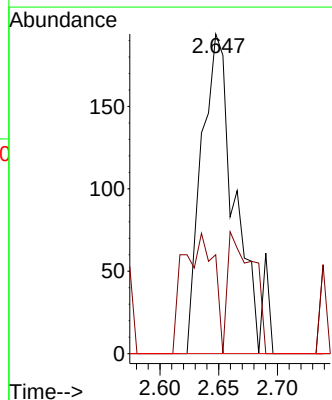
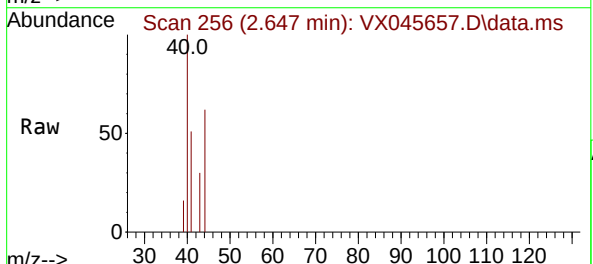
Instrument :
MSVOA_X
ClientSampleId :
TP-20

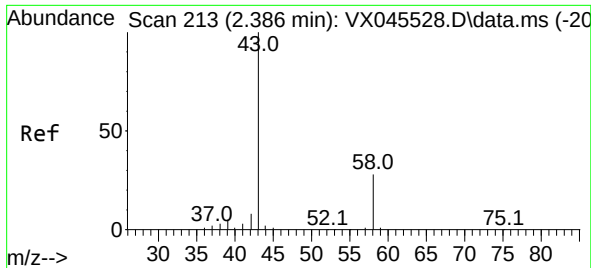
Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 62.0 56.2 84.2



#14
Allyl chloride
Concen: 0.288 ug/l
RT: 2.647 min Scan# 256
Delta R.T. -0.013 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 41 Resp: 394
Ion Ratio Lower Upper
41 100
39 33.5 60.2 90.2#
76 0.0 24.6 36.8#

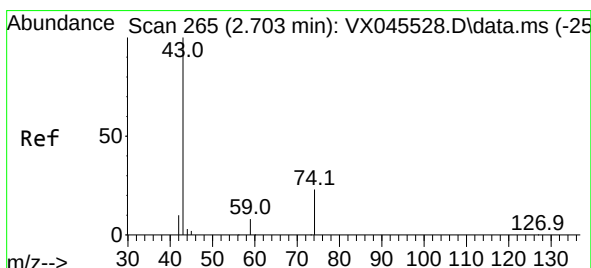
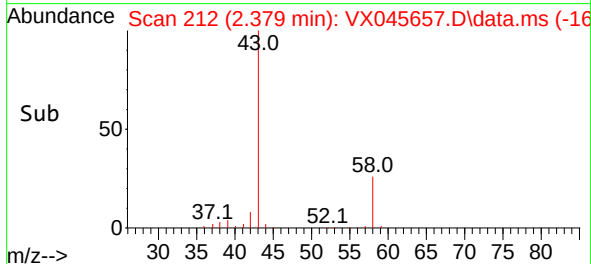
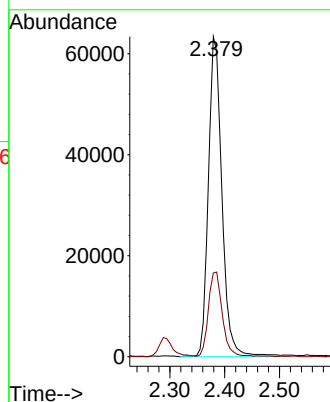
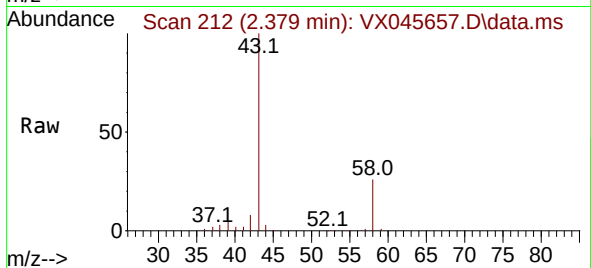




#16
Acetone
Concen: 240.042 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

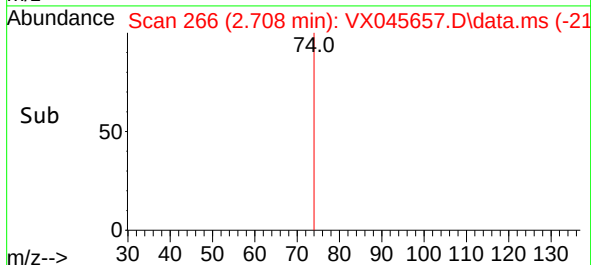
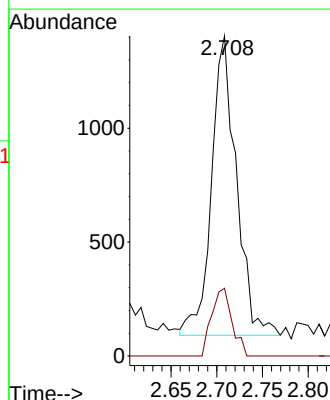
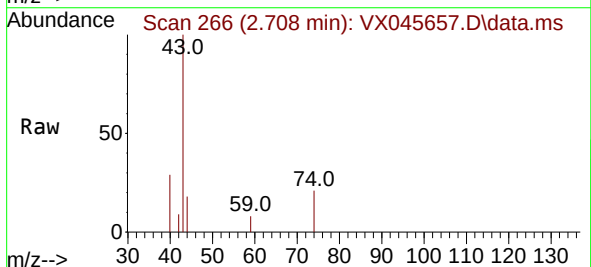
Instrument :
MSVOA_X
ClientSampleId :
TP-20

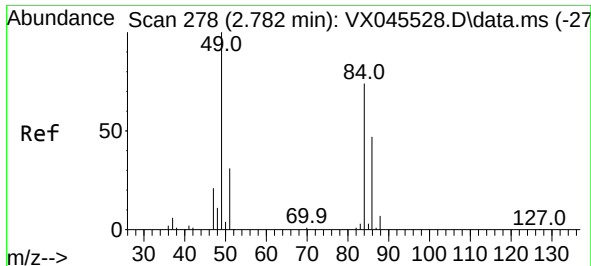
Tgt Ion: 43 Resp: 108393
Ion Ratio Lower Upper
43 100
58 26.0 22.3 33.5



#18
Methyl Acetate
Concen: 2.392 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 43 Resp: 2487
Ion Ratio Lower Upper
43 100
74 18.4 17.5 26.3

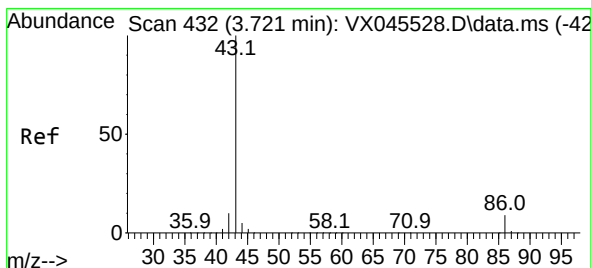
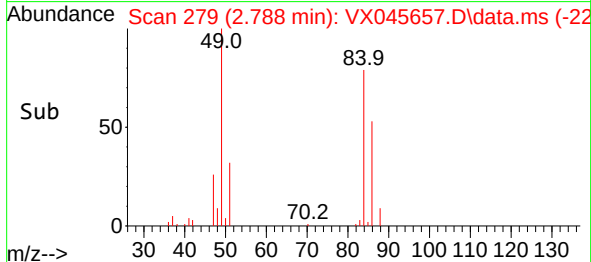
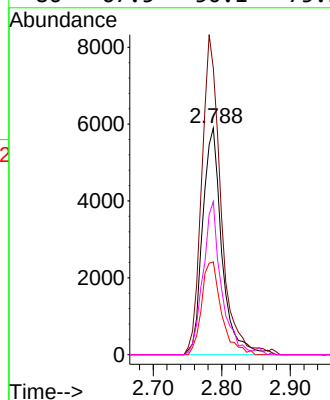
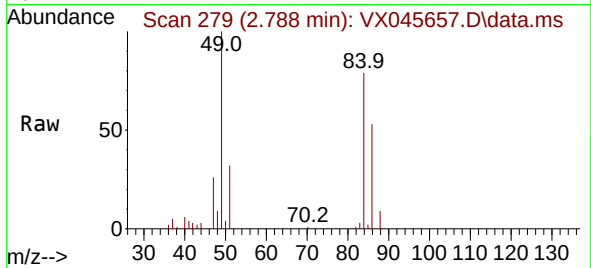




#20
Methylene Chloride
Concen: 13.718 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

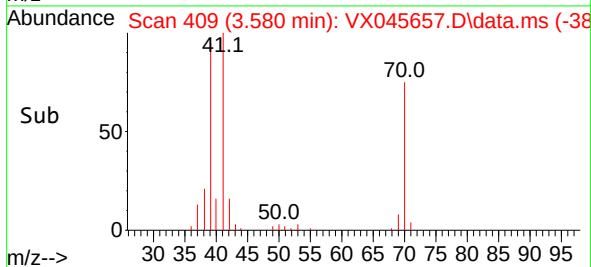
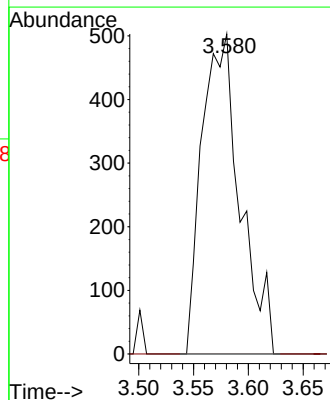
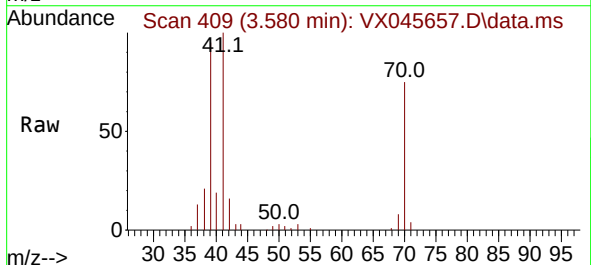
Instrument :
MSVOA_X
ClientSampleId :
TP-20

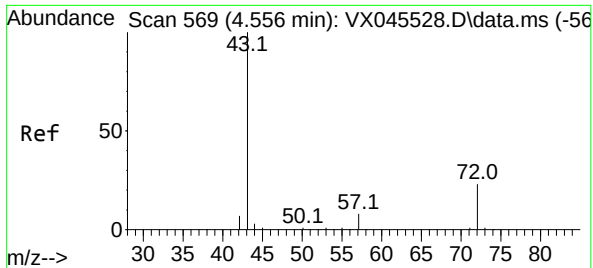
Tgt Ion:	84	Resp:	11597
Ion	Ratio	Lower	Upper
84	100		
49	126.3	107.5	161.3
51	40.9	33.0	49.6
86	67.5	50.1	75.1



#23
Vinyl Acetate
Concen: 0.522 ug/l
RT: 3.580 min Scan# 409
Delta R.T. -0.141 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion:	43	Resp:	1217
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#

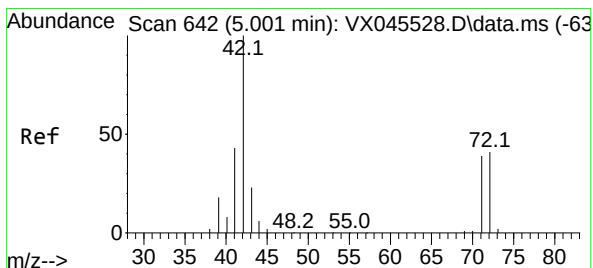
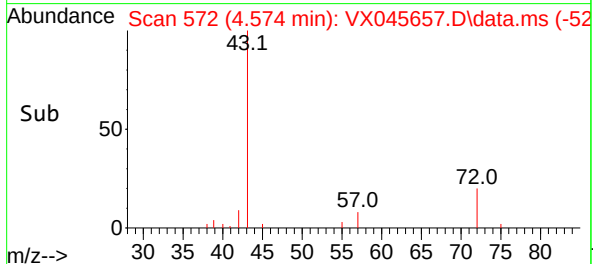
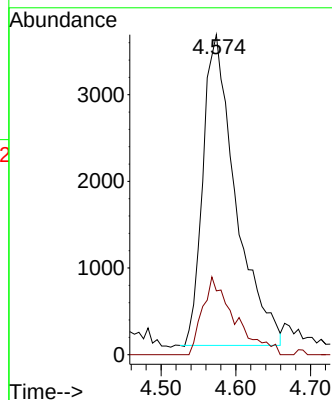
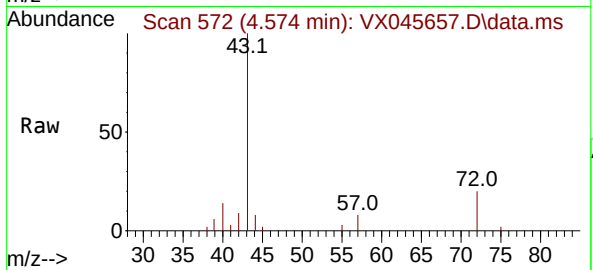




#25
2-Butanone
Concen: 16.527 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

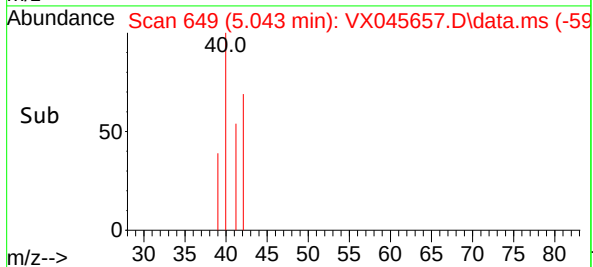
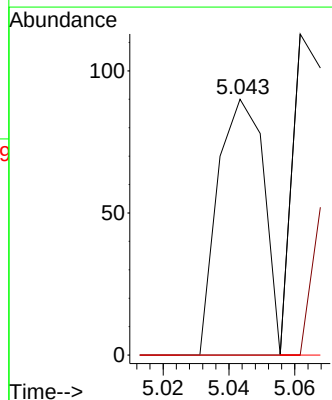
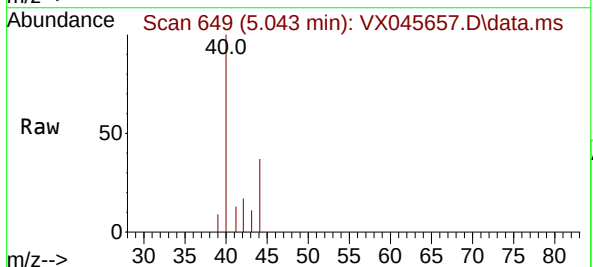
Instrument :
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ClientSampleId :
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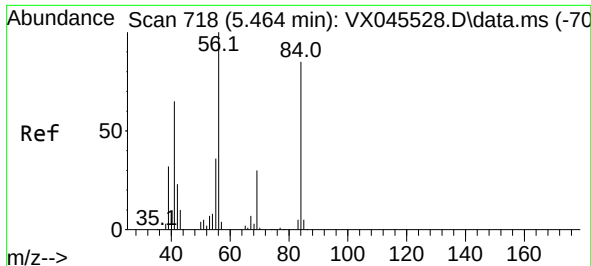
Tgt Ion: 43 Resp: 10924
Ion Ratio Lower Upper
43 100
72 20.6 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.042 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 42 Resp: 87
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

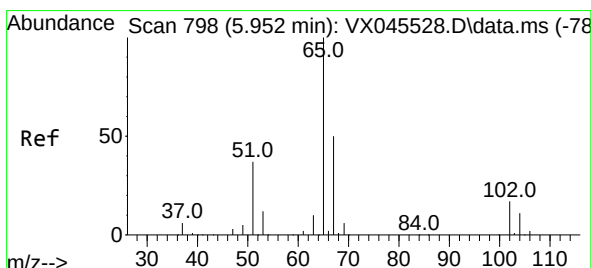
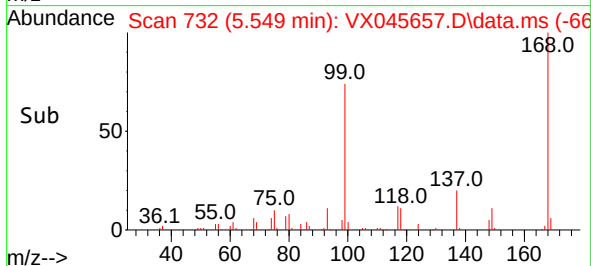
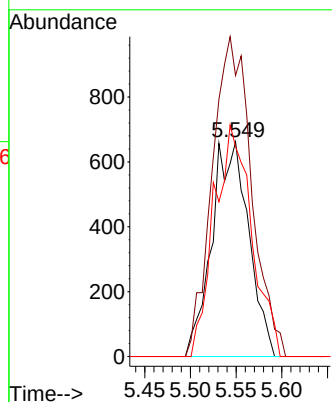
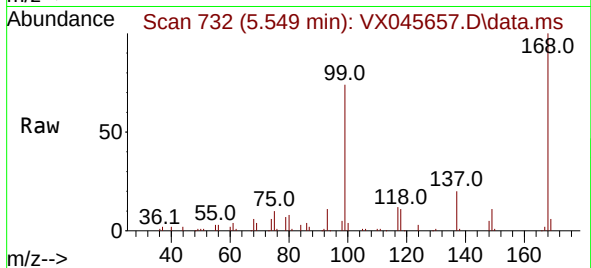




#31
Cyclohexane
Concen: 1.379 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

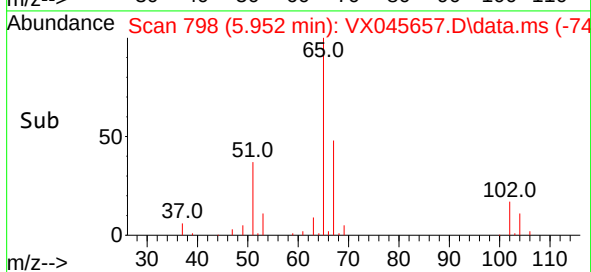
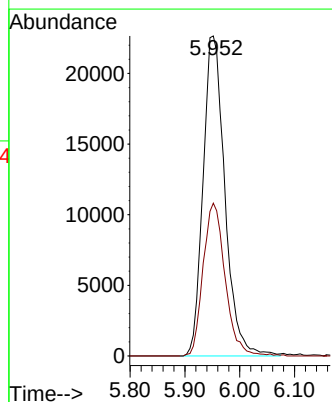
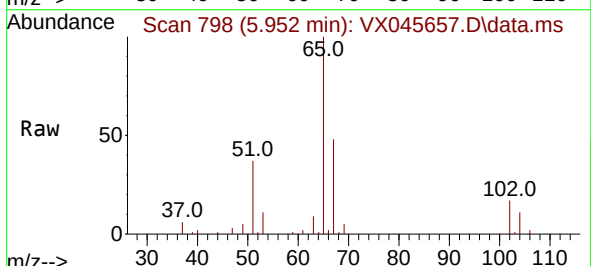
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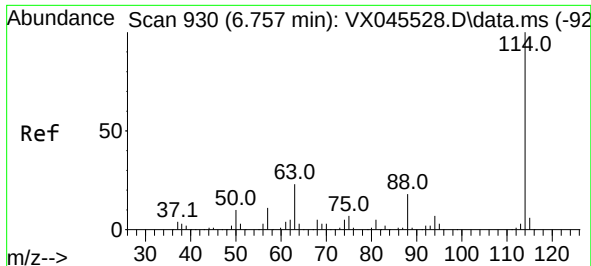
Tgt Ion: 56 Resp: 1860
Ion Ratio Lower Upper
56 100
69 130.8 23.6 35.4#
84 97.7 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 56.905 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 65 Resp: 62577
Ion Ratio Lower Upper
65 100
67 48.3 0.0 99.0

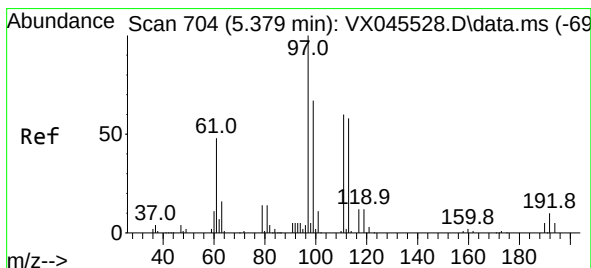
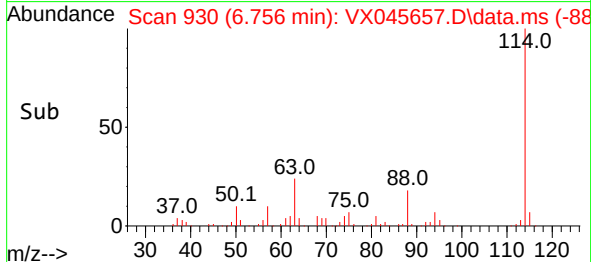
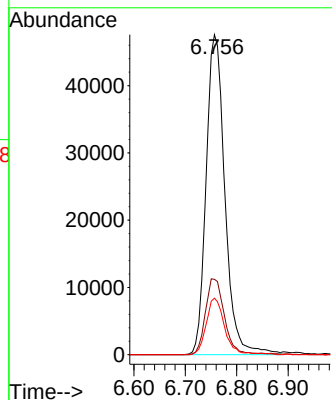
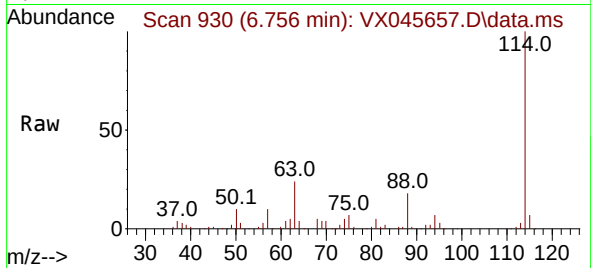




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.756 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045657.D
 Acq: 08 Apr 2025 17:07

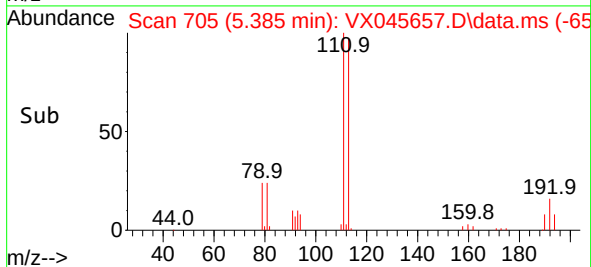
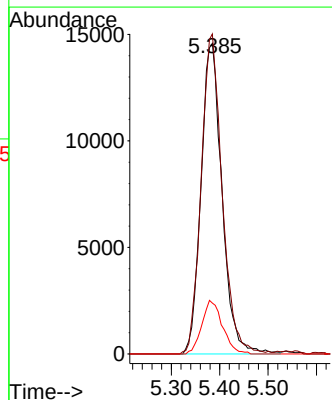
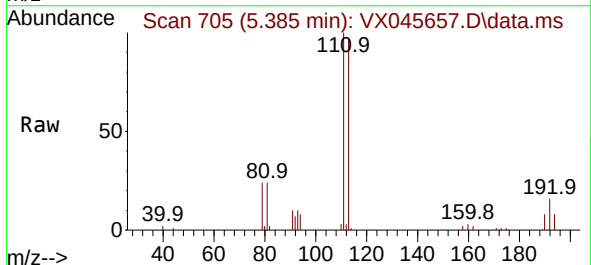
Instrument :
 MSVOA_X
 ClientSampleId :
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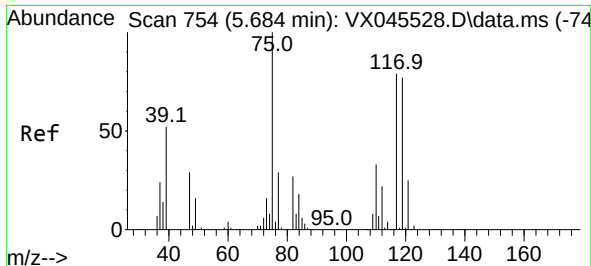
Tgt Ion:114 Resp: 120743
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.8
 88 17.6 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 51.385 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX045657.D
 Acq: 08 Apr 2025 17:07

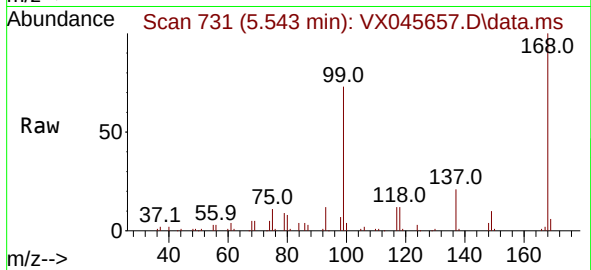
Tgt Ion:113 Resp: 44020
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.8 122.6
 192 16.9 13.8 20.6



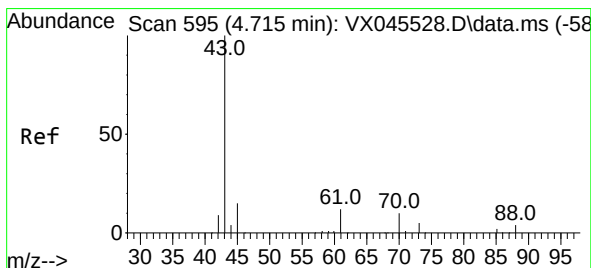
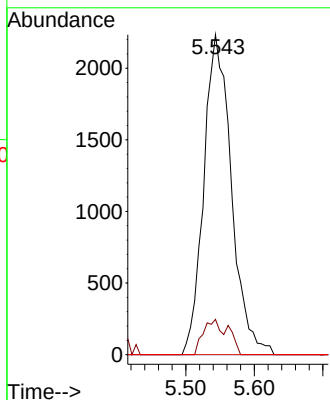
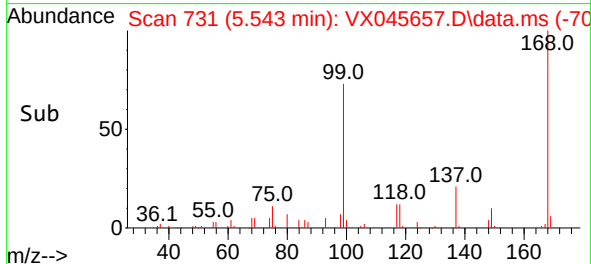


#36
1,1-Dichloropropene
Concen: 5.409 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
TP-20

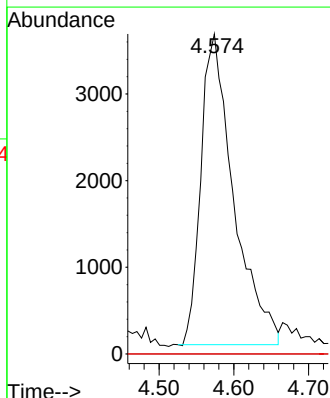
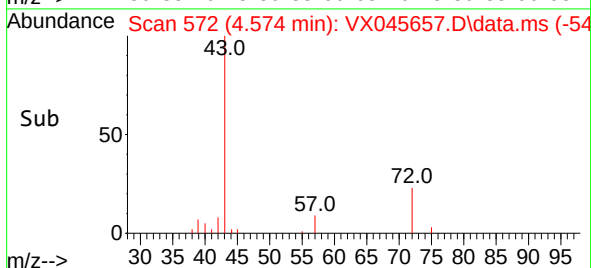
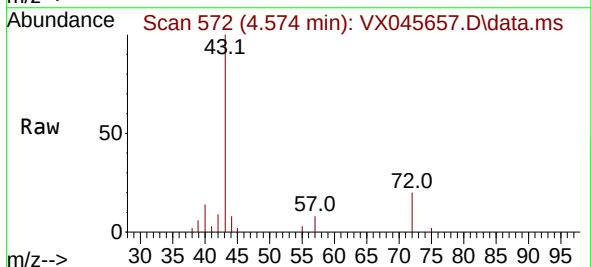


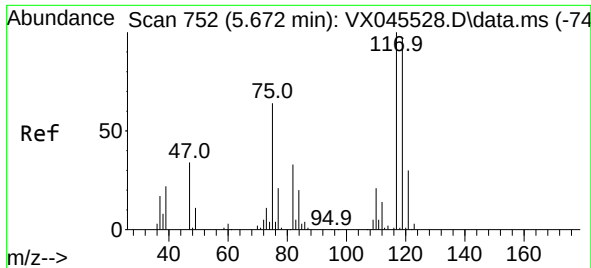
Tgt Ion: 75 Resp: 6256
Ion Ratio Lower Upper
75 100
110 7.3 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.494 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.141 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

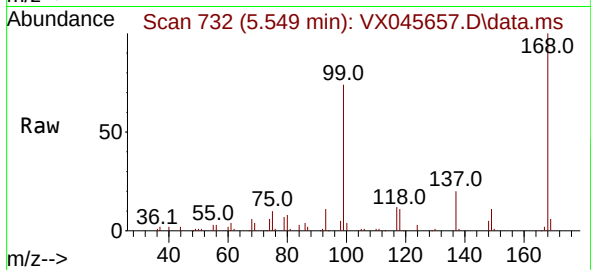
Tgt Ion: 43 Resp: 10924
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



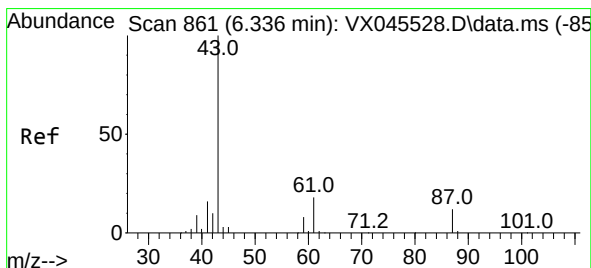
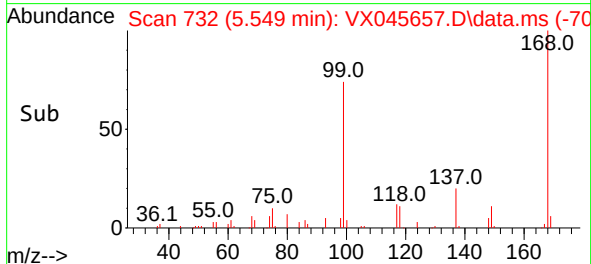
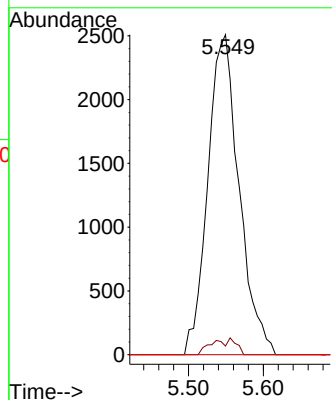


#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
TP-20

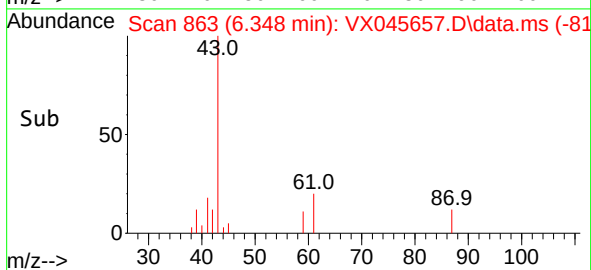
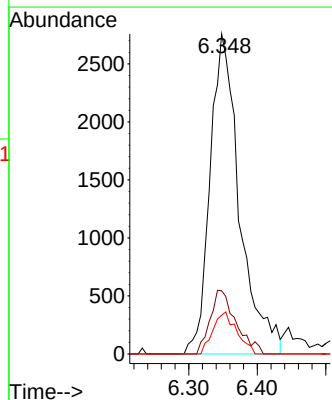
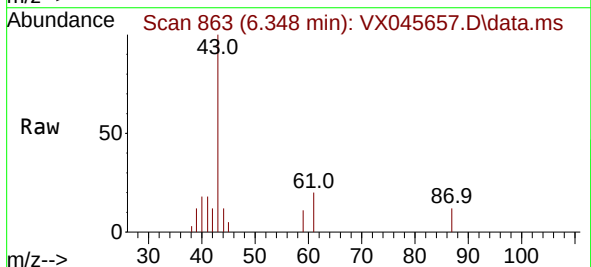


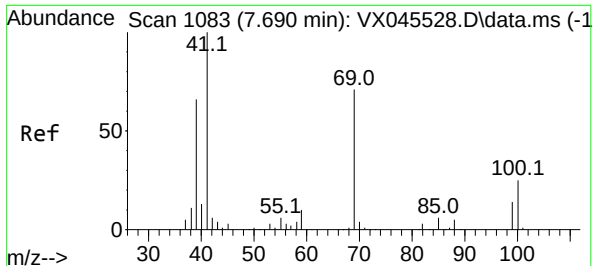
Tgt Ion:117 Resp: 7294
Ion Ratio Lower Upper
117 100
119 2.7 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.735 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 43 Resp: 8251
Ion Ratio Lower Upper
43 100
61 17.5 14.1 21.1
87 10.5 9.2 13.8

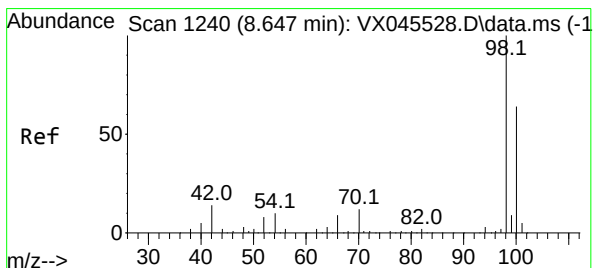
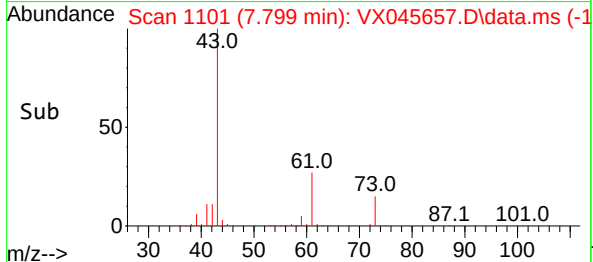
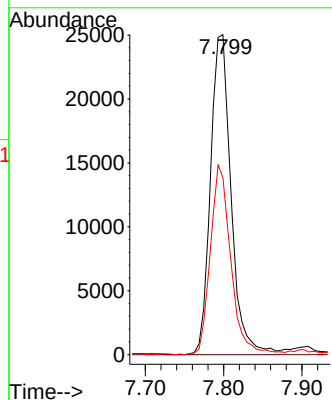
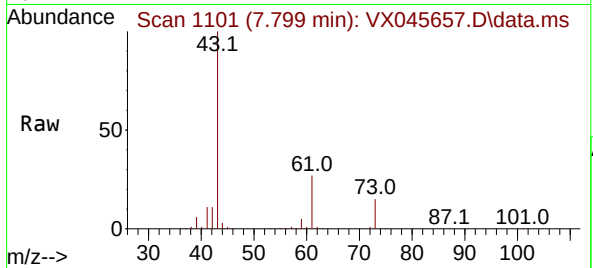




#48
Methyl methacrylate
Concen: 40.066 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

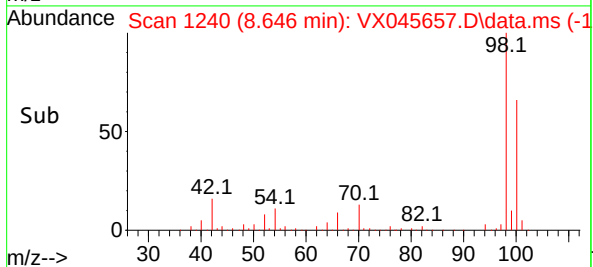
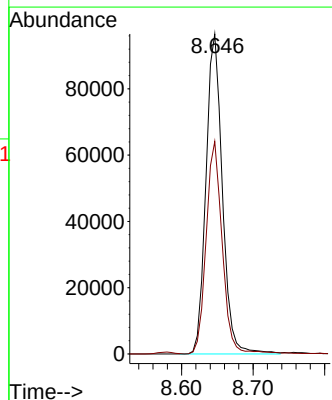
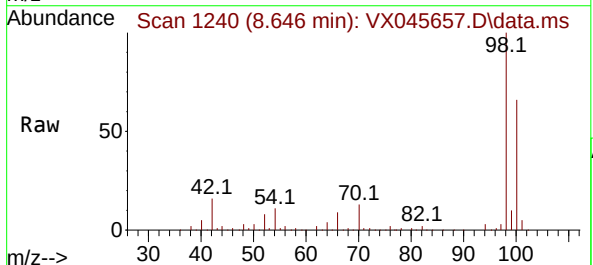
Instrument :
MSVOA_X
ClientSampleId :
TP-20

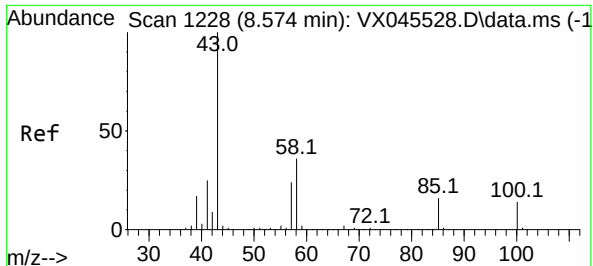
Tgt Ion: 41 Resp: 45703
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.1 53.6 80.4



#50
Toluene-d8
Concen: 51.467 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 98 Resp: 153894
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

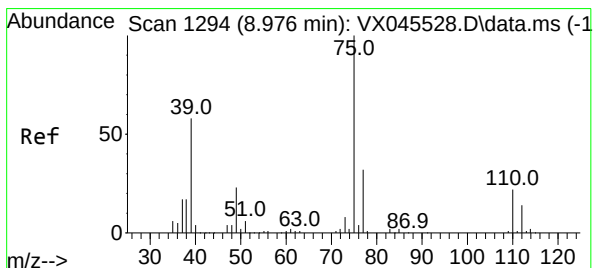
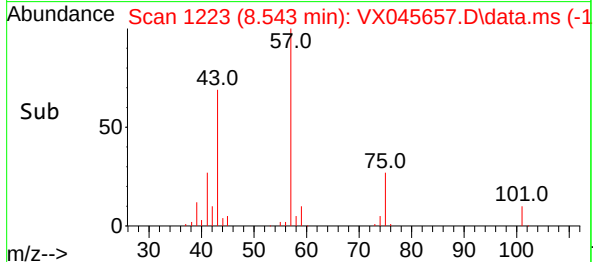
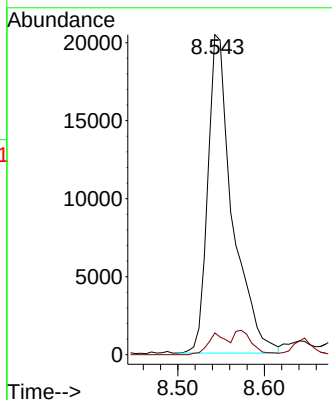
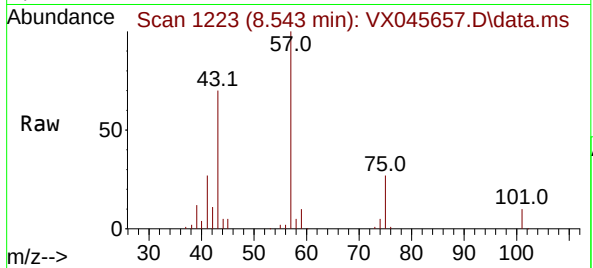




#51
4-Methyl-2-Pentanone
Concen: 27.500 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

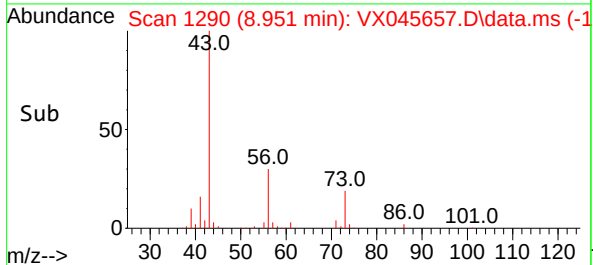
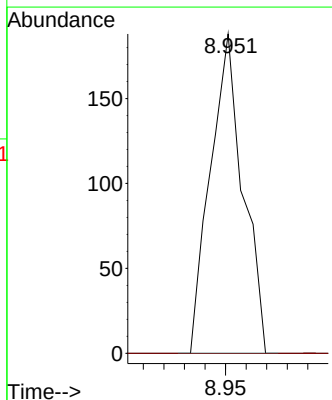
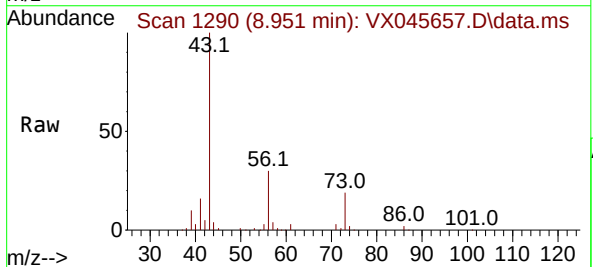
Instrument :
MSVOA_X
ClientSampleId :
TP-20

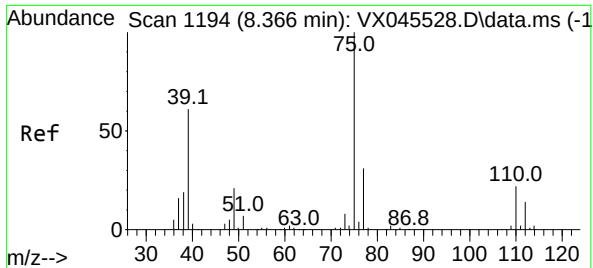
Tgt Ion: 43 Resp: 40276
Ion Ratio Lower Upper
43 100
58 5.2 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.441 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

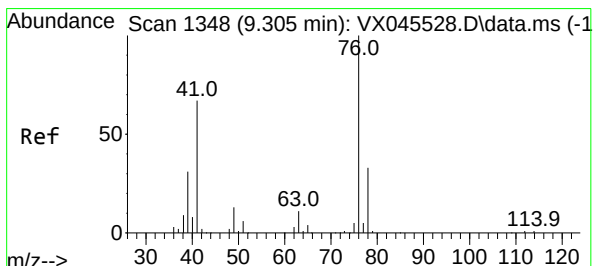
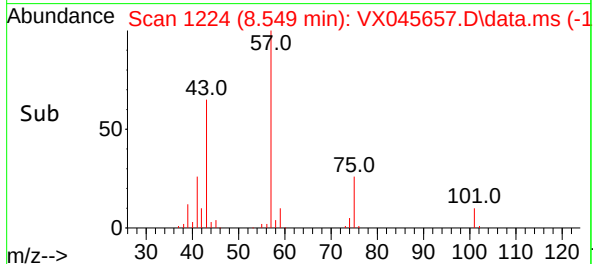
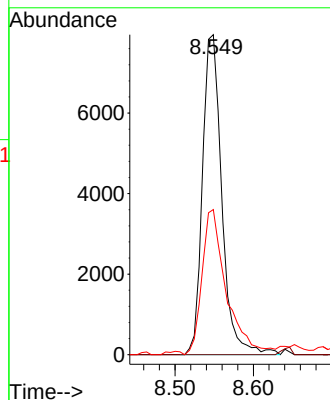
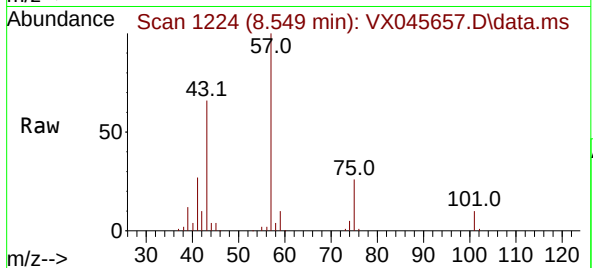




#54
 cis-1,3-Dichloropropene
 Concen: 10.736 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045657.D
 Acq: 08 Apr 2025 17:07

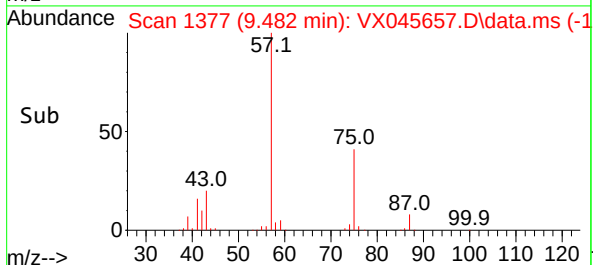
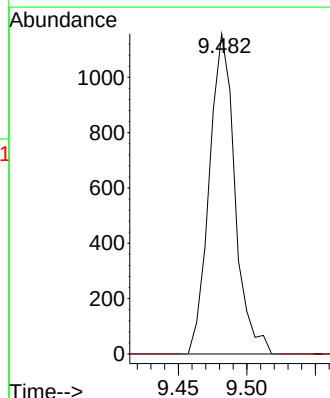
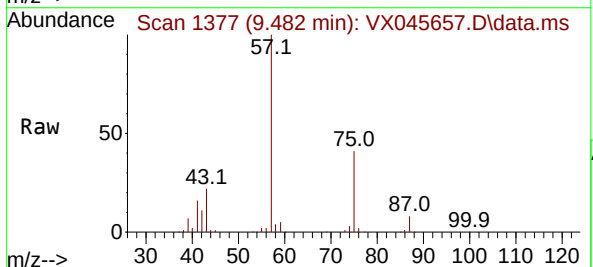
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20

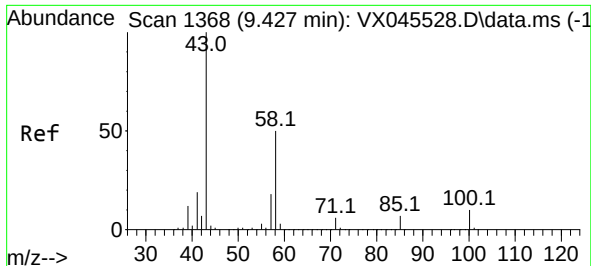
Tgt Ion: 75 Resp: 13632
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 44.5 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 1.014 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045657.D
 Acq: 08 Apr 2025 17:07

Tgt Ion: 76 Resp: 1504
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

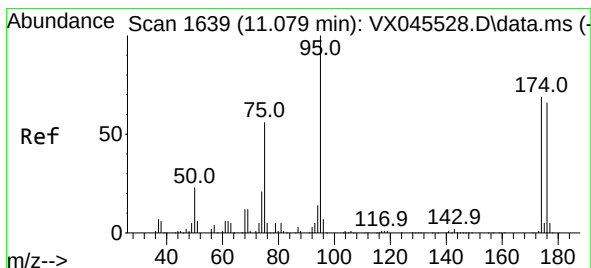
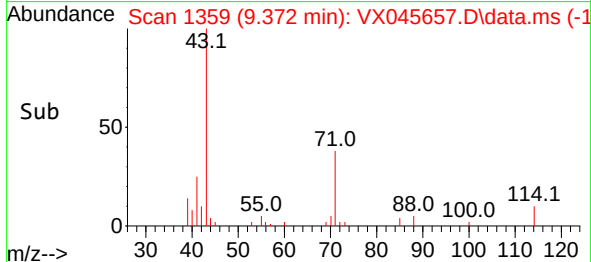
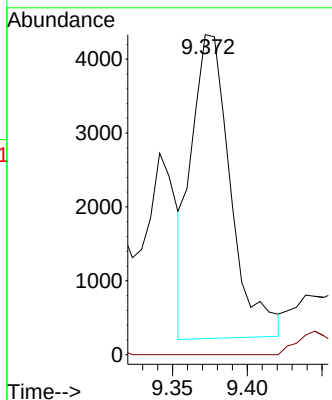
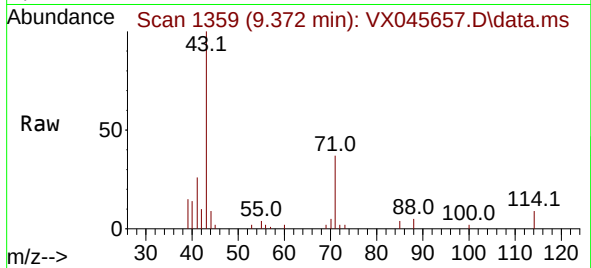




#59
2-Hexanone
Concen: 6.887 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

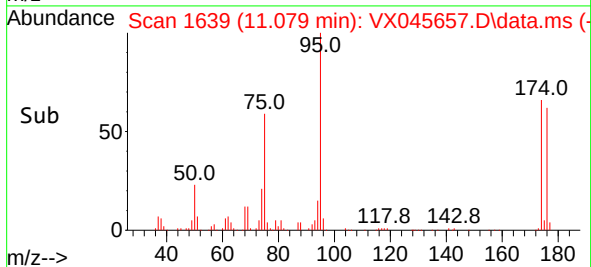
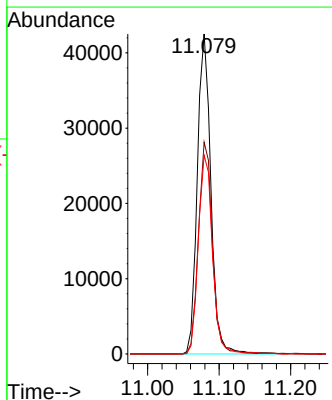
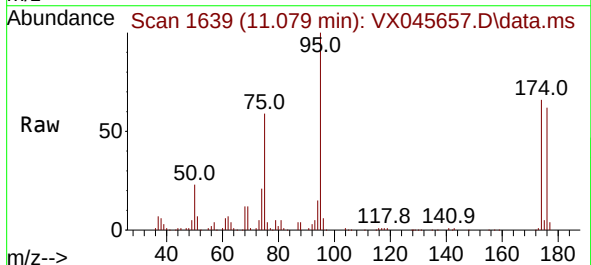
Instrument :
MSVOA_X
ClientSampleId :
TP-20

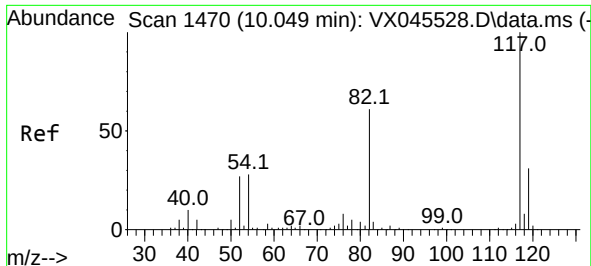
Tgt Ion: 43 Resp: 7469
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.434 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion: 95 Resp: 56020
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 64.4 0.0 131.4

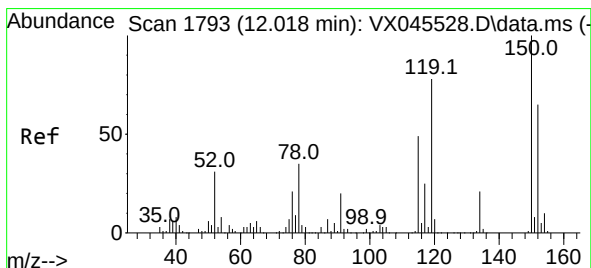
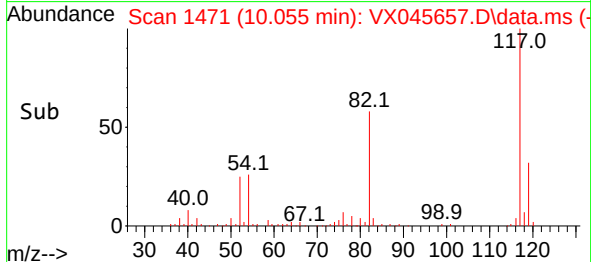
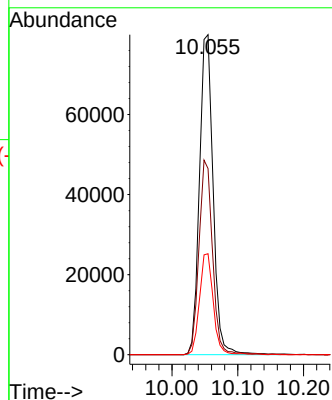
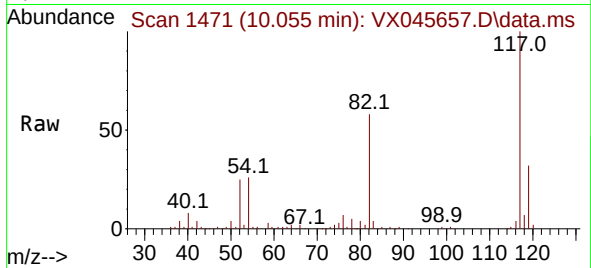




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

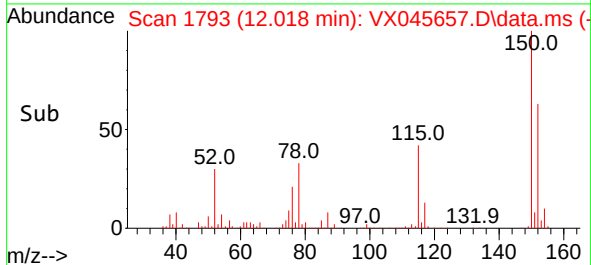
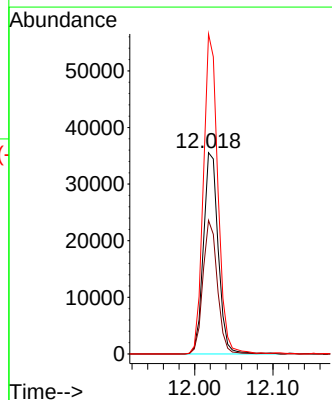
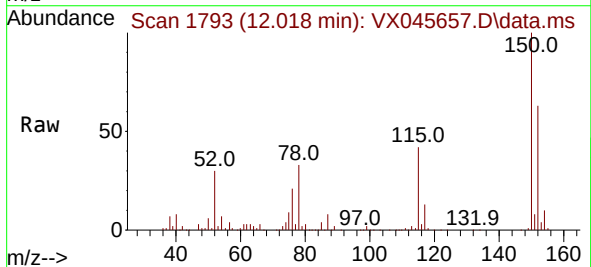
Instrument :
MSVOA_X
ClientSampleId :
TP-20

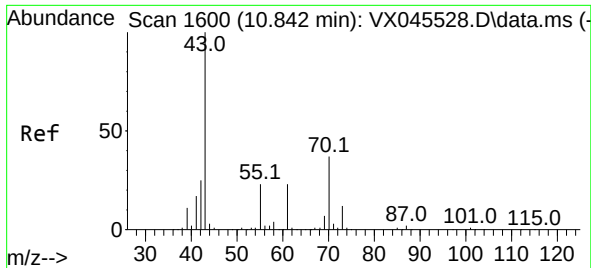
Tgt Ion:117 Resp: 114988
Ion Ratio Lower Upper
117 100
82 58.1 49.2 73.8
119 31.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion:152 Resp: 46530
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 155.5 0.0 349.4

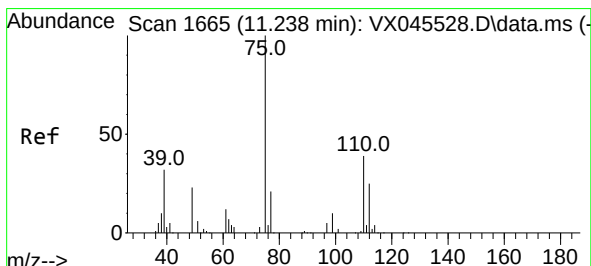
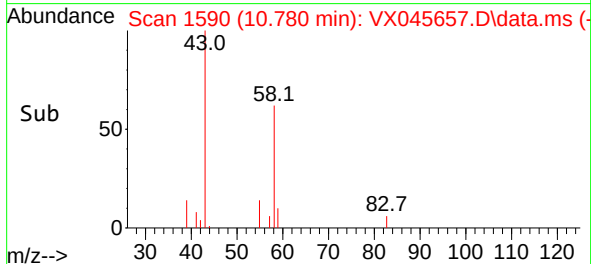
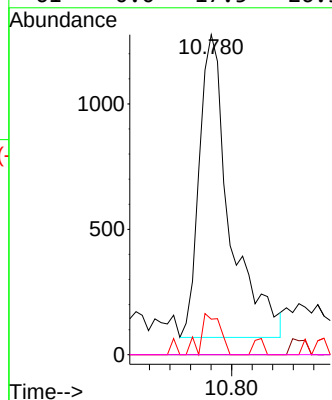
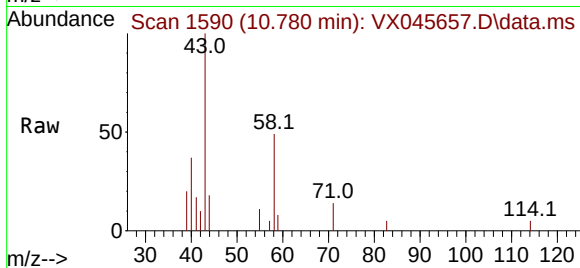




#74
N-amy1 acetate
Concen: 1.398 ug/l
RT: 10.780 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

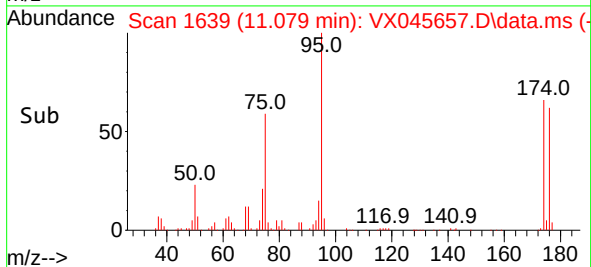
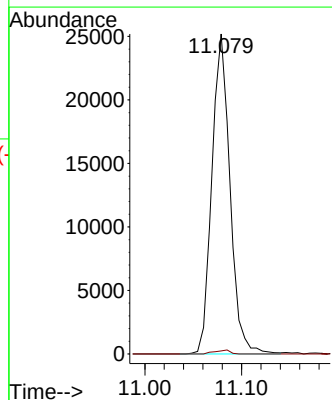
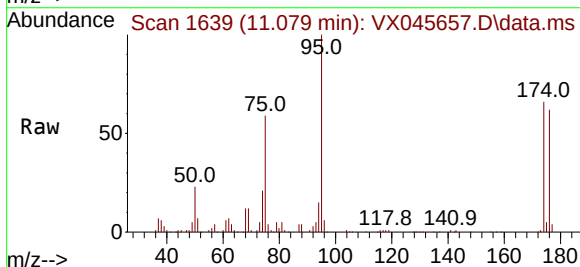
Instrument :
MSVOA_X
ClientSampleId :
TP-20

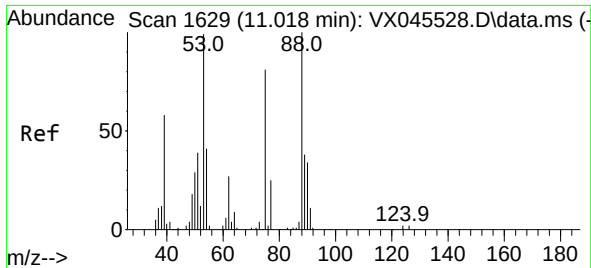
Tgt Ion:	43	Resp:	2492
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	8.7	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 28.861 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045657.D
Acq: 08 Apr 2025 17:07

Tgt Ion:	75	Resp:	32757
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.952 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045657.D
 Acq: 08 Apr 2025 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20

Tgt Ion: 75 Resp: 32757
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

