

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046319.D
 Acq On : 22 May 2025 11:13
 Operator : JC/MD
 Sample : Q2097-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-357

Quant Time: May 23 01:43:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

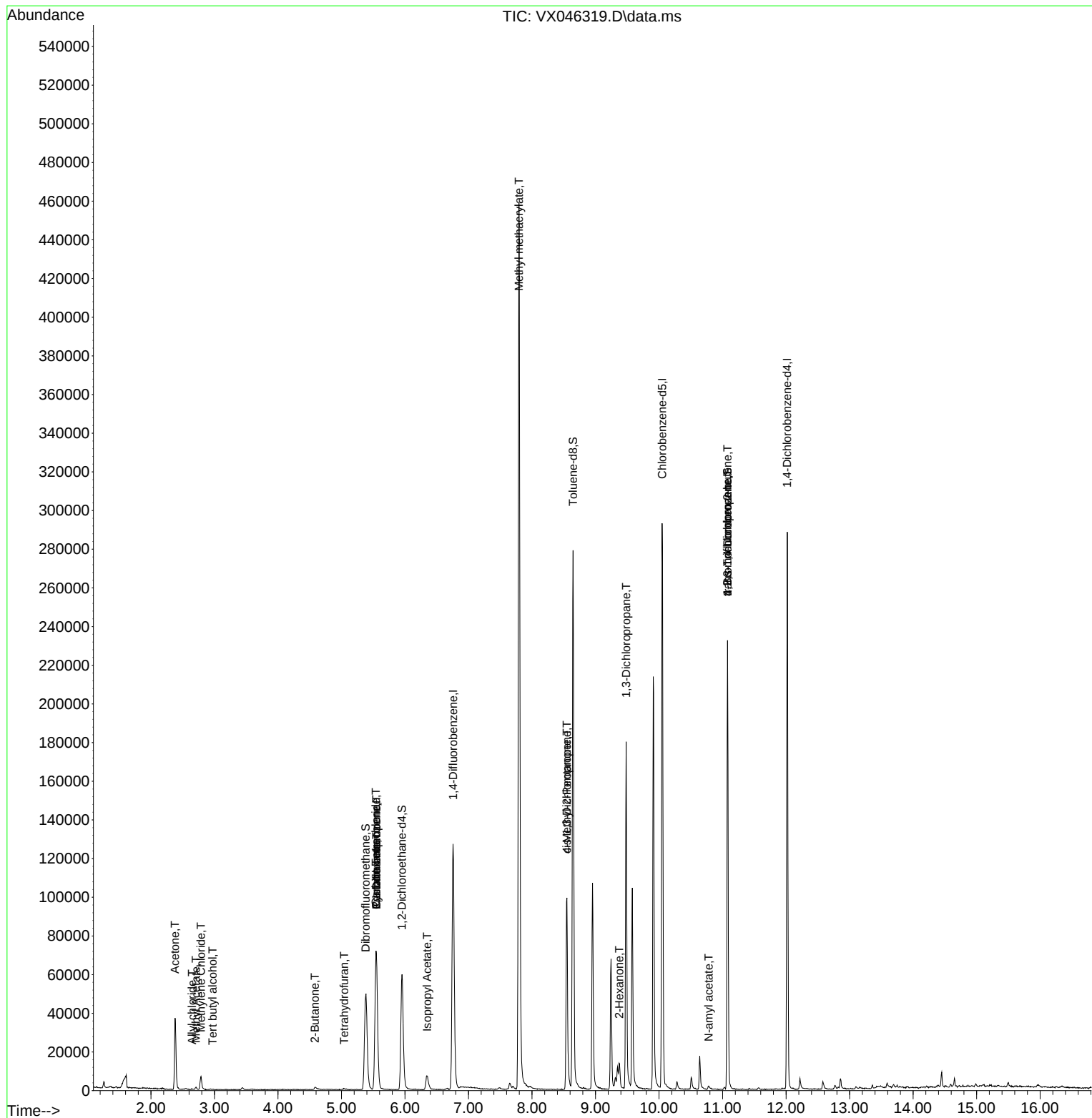
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	61942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121613	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61895	53.598	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	107.200%	
35) Dibromofluoromethane	5.379	113	44418	50.720	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.440%	
50) Toluene-d8	8.647	98	158116	52.165	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	104.340%	
62) 4-Bromofluorobenzene	11.079	95	60983	52.451	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	104.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	196	1.209	ug/l #	72
14) Allyl chloride	2.648	41	347	0.247	ug/l #	39
16) Acetone	2.380	43	40121	86.651	ug/l	100
18) Methyl Acetate	2.709	43	1762	1.640	ug/l	94
20) Methylene Chloride	2.788	84	3139	3.538	ug/l #	83
25) 2-Butanone	4.580	43	3165	4.708	ug/l	97
29) Tetrahydrofuran	5.044	42	397	0.942	ug/l #	53
31) Cyclohexane	5.550	56	1706	1.240	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	6300	5.354	ug/l #	53
38) Carbon Tetrachloride	5.544	117	7311	5.530	ug/l #	15
43) Isopropyl Acetate	6.348	43	12027	5.423	ug/l	94
48) Methyl methacrylate	7.793	41	44443	39.238	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	40002	27.173	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	14882	11.379	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1533	1.024	ug/l #	42
59) 2-Hexanone	9.372	43	12848	11.797	ug/l #	28
74) N-amyl acetate	10.781	43	1265	0.623	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	34696	27.289	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34696	88.844	ug/l #	1

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

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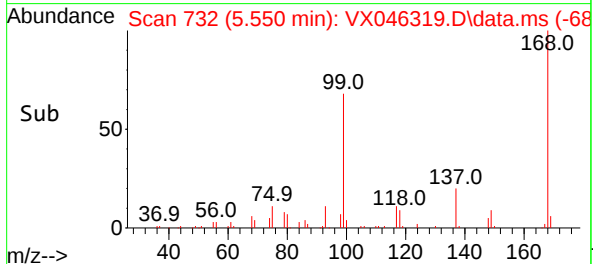
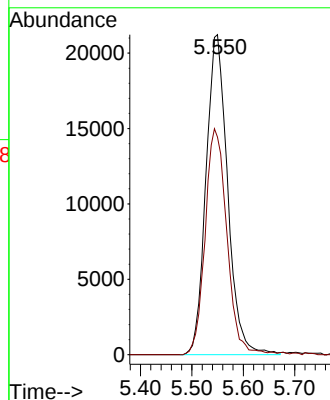
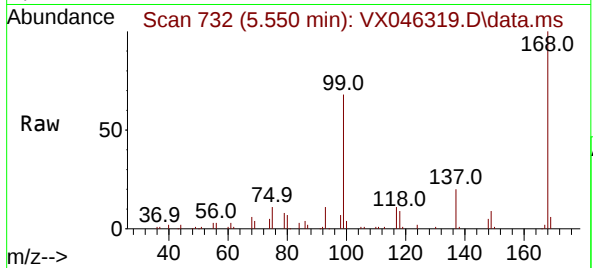




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046319.D
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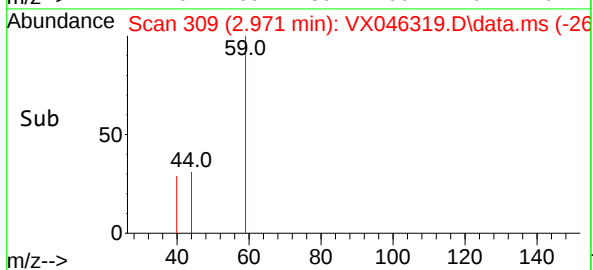
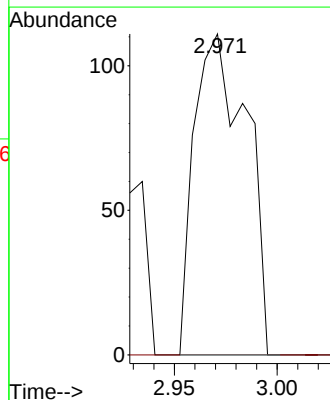
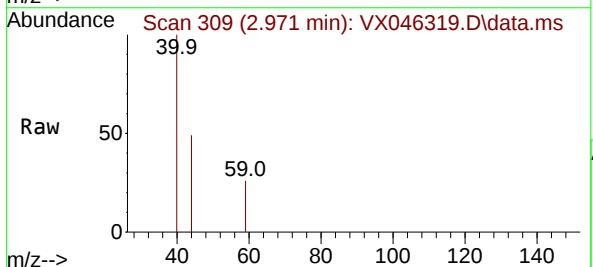
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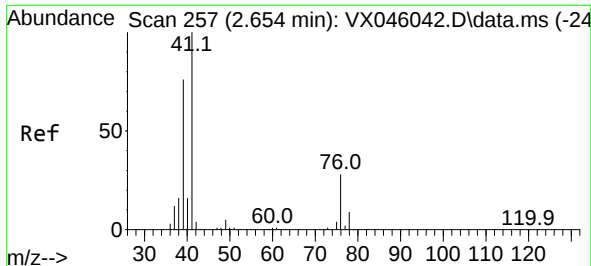
Tgt Ion:168 Resp: 61942
Ion Ratio Lower Upper
168 100
99 68.0 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.209 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

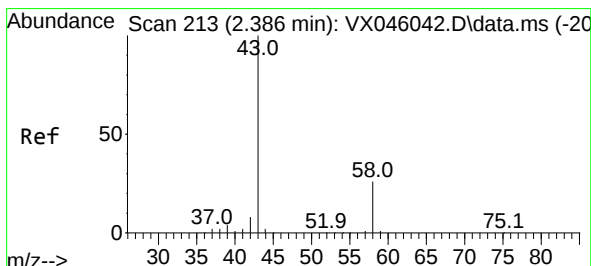
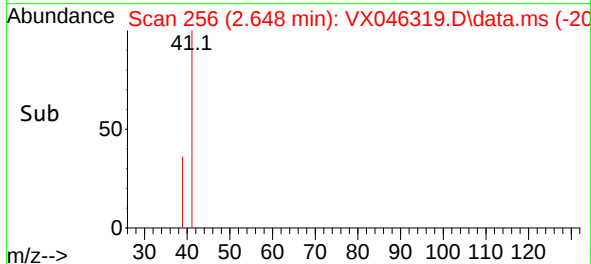
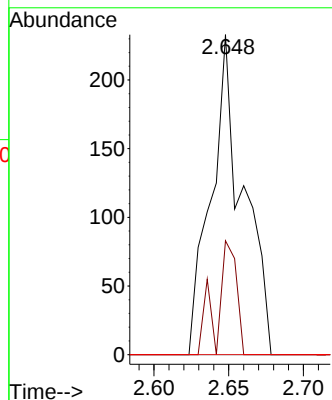
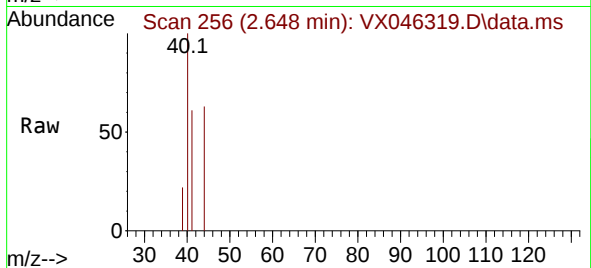




#14
 Allyl chloride
 Concen: 0.247 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046319.D
 Acq: 22 May 2025 11:13

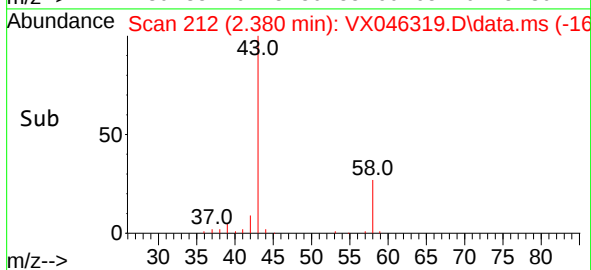
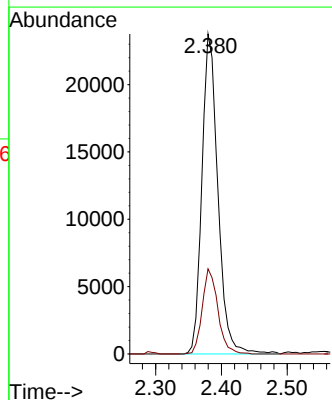
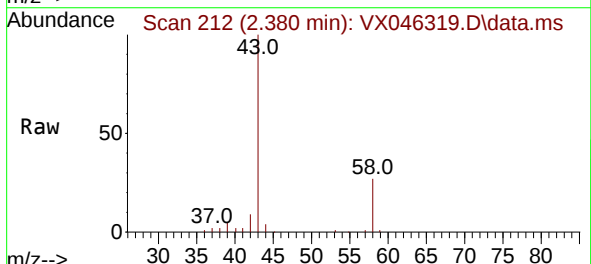
Instrument :
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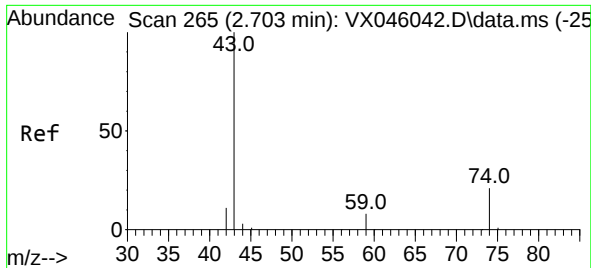
Tgt Ion: 41 Resp: 347
 Ion Ratio Lower Upper
 41 100
 39 21.9 60.6 90.8#
 76 0.0 24.9 37.3#



#16
 Acetone
 Concen: 86.651 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046319.D
 Acq: 22 May 2025 11:13

Tgt Ion: 43 Resp: 40121
 Ion Ratio Lower Upper
 43 100
 58 26.6 21.2 31.8

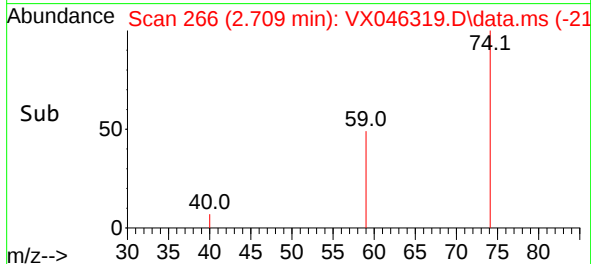
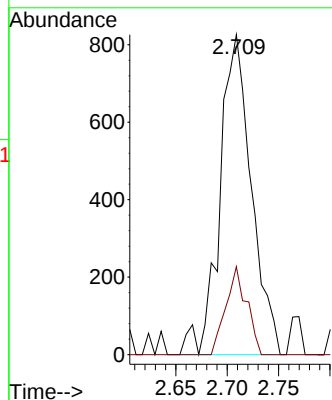
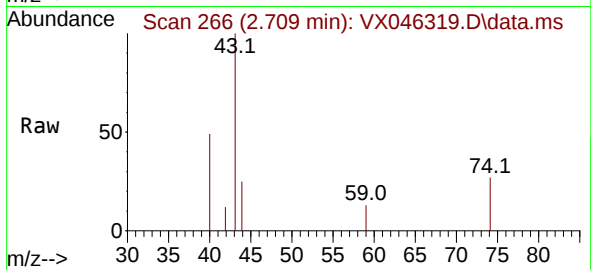




#18
Methyl Acetate
Concen: 1.640 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

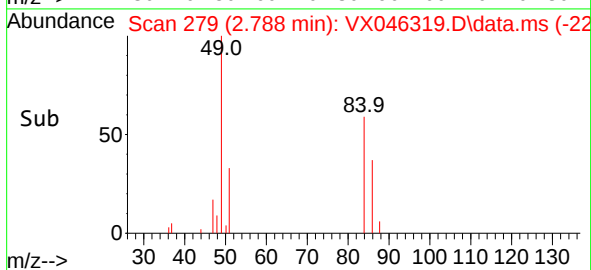
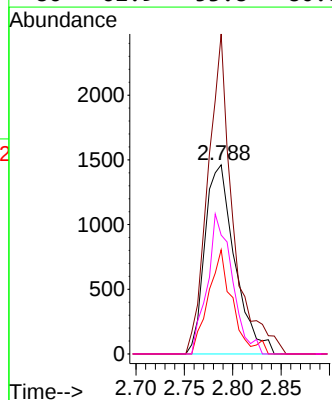
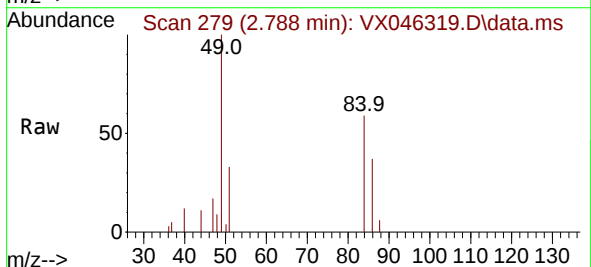
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ClientSampleId :
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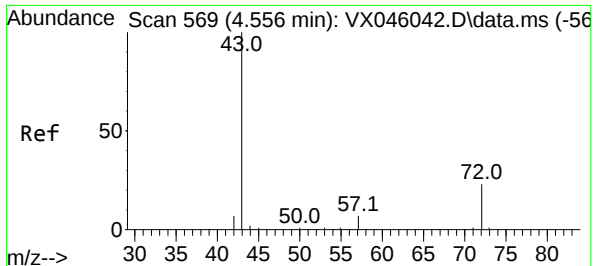
Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
74 18.1 16.7 25.1



#20
Methylene Chloride
Concen: 3.538 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 84 Resp: 3139
Ion Ratio Lower Upper
84 100
49 169.2 113.9 170.9
51 55.1 33.5 50.3#
86 62.9 53.8 80.8

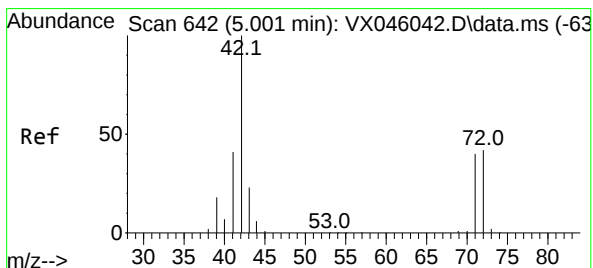
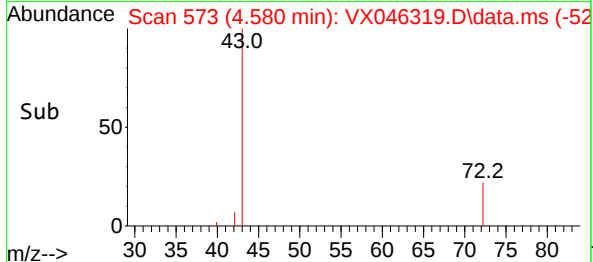
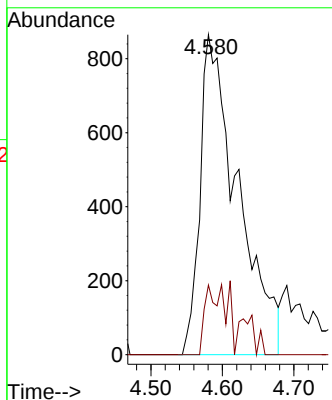
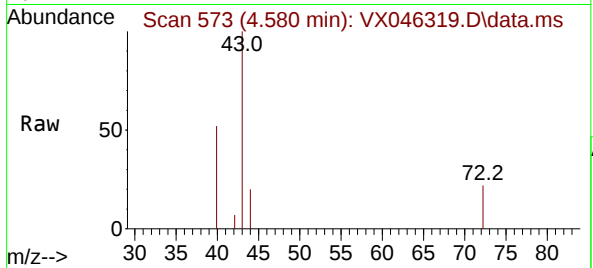




#25
2-Butanone
Concen: 4.708 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

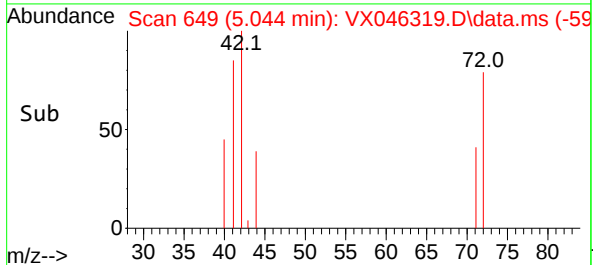
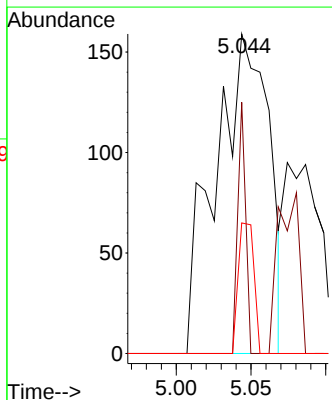
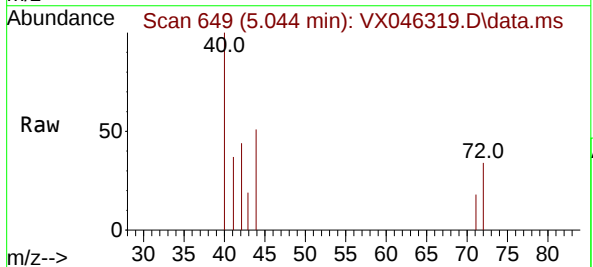
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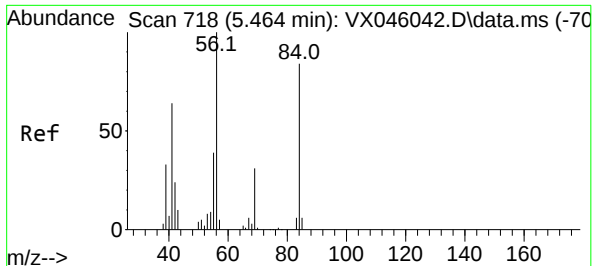
Tgt Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
72 21.7 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.942 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 11.6 33.7 50.5#
71 11.8 31.4 47.2#

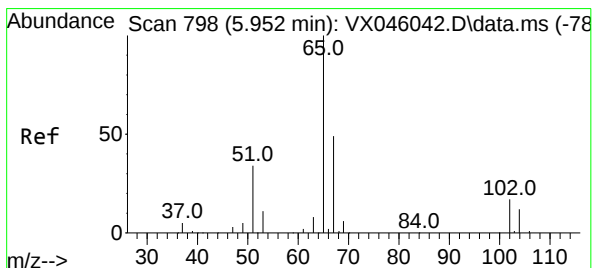
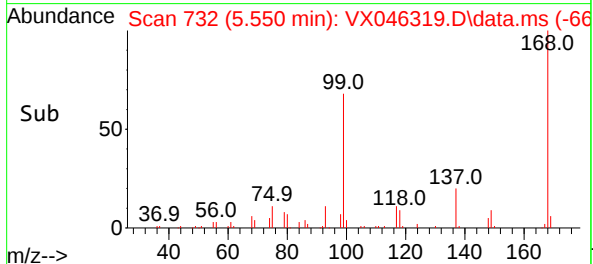
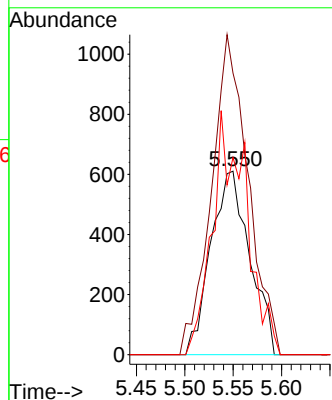
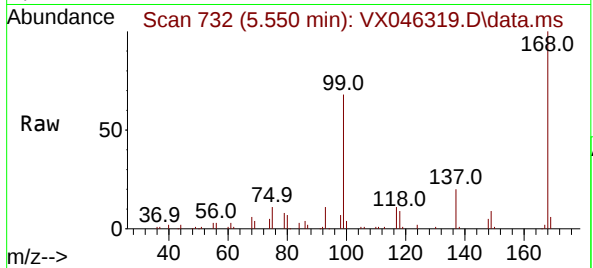




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

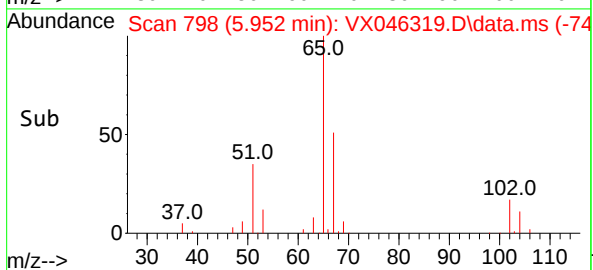
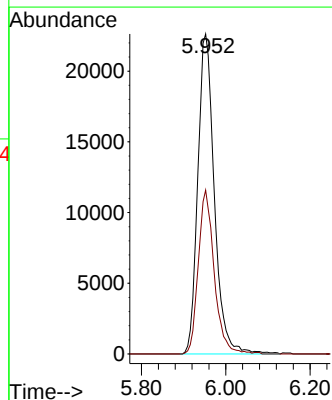
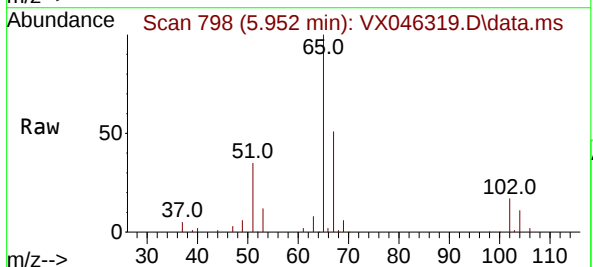
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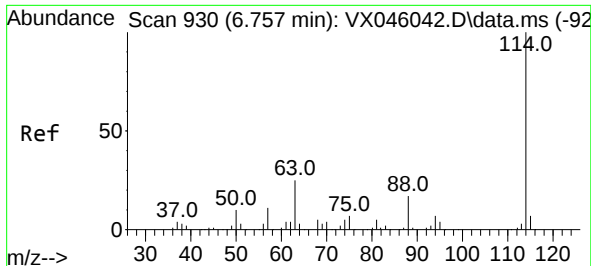
Tgt Ion: 56 Resp: 1706
Ion Ratio Lower Upper
56 100
69 153.4 24.4 36.6#
84 107.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.598 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 65 Resp: 61895
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

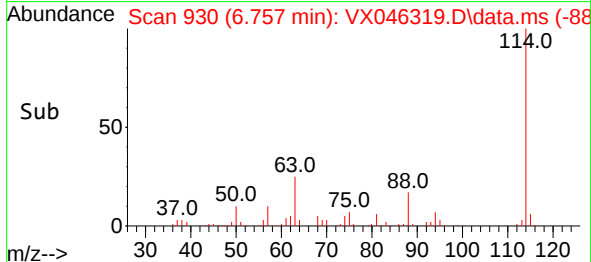
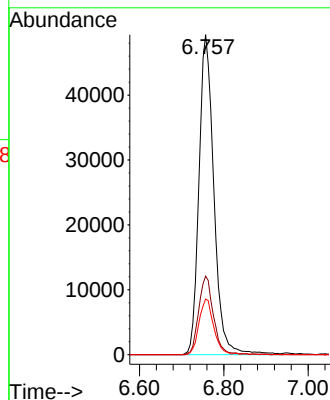
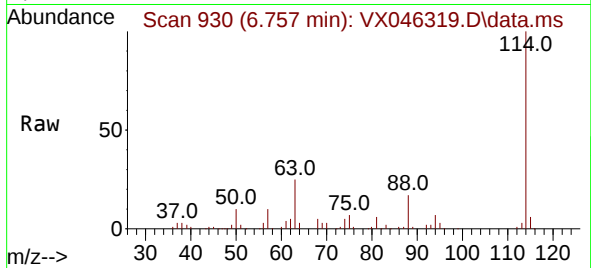




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

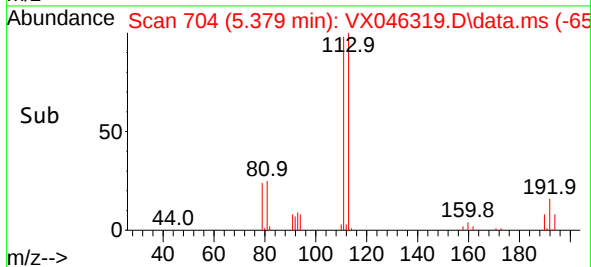
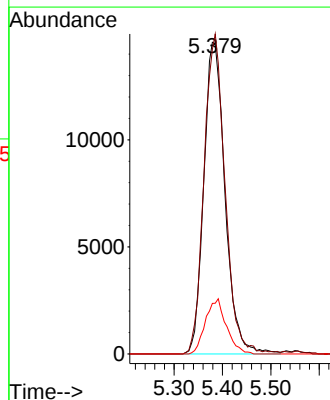
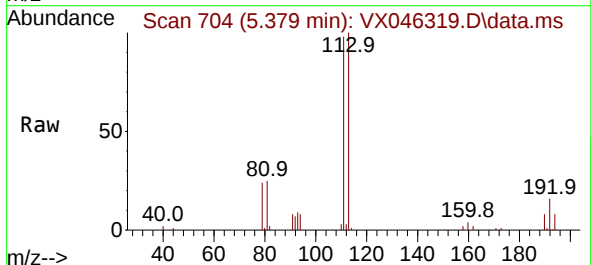
Instrument :
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Tgt Ion:114 Resp: 121613
Ion Ratio Lower Upper
114 100
63 24.5 0.0 49.2
88 17.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.720 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion:113 Resp: 44418
Ion Ratio Lower Upper
113 100
111 101.6 83.1 124.7
192 17.4 13.3 19.9

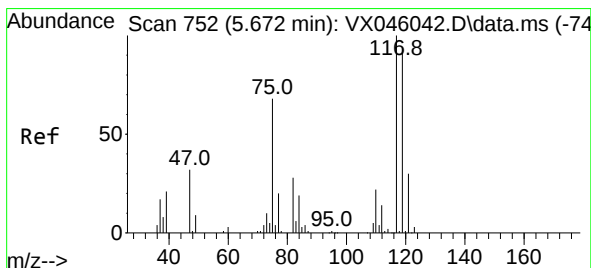
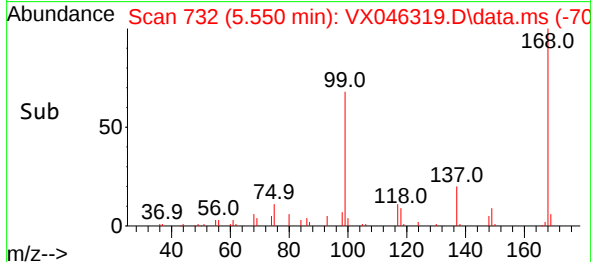
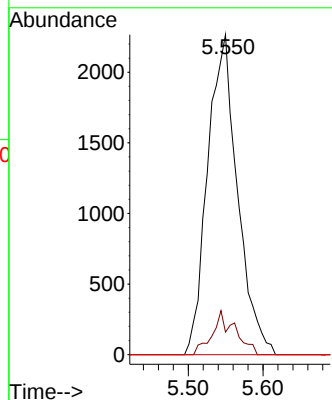
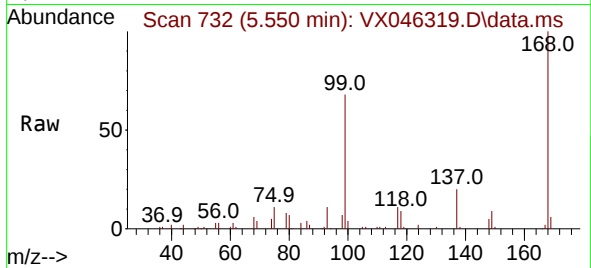




#36
1,1-Dichloropropene
Concen: 5.354 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

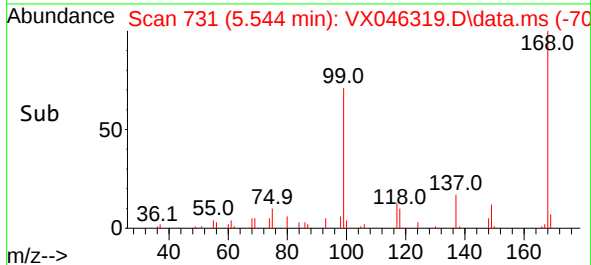
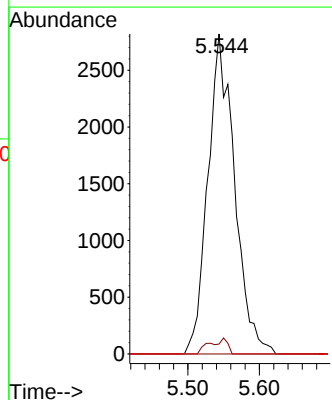
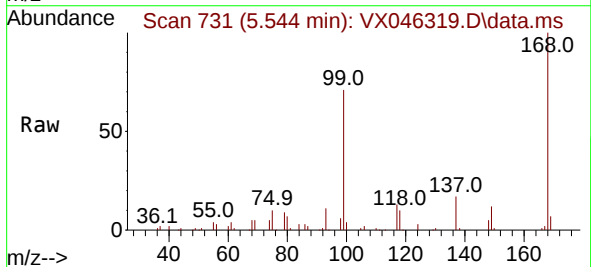
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Tgt Ion: 75 Resp: 6300
Ion Ratio Lower Upper
75 100
110 10.5 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 117 Resp: 7311
Ion Ratio Lower Upper
117 100
119 3.1 75.2 112.8#
121 0.0 24.2 36.4#

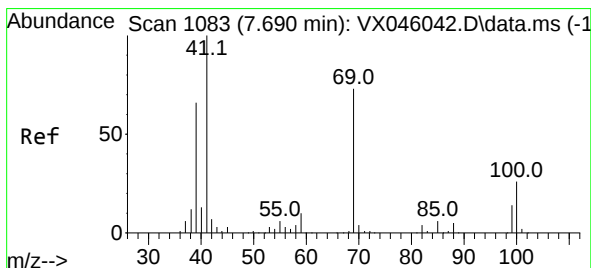
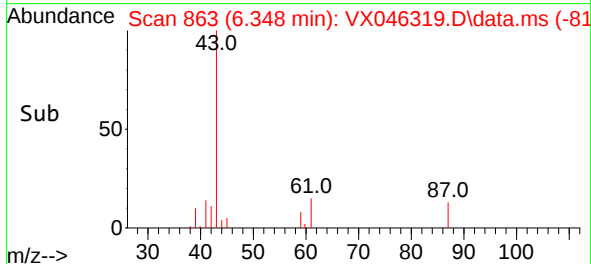
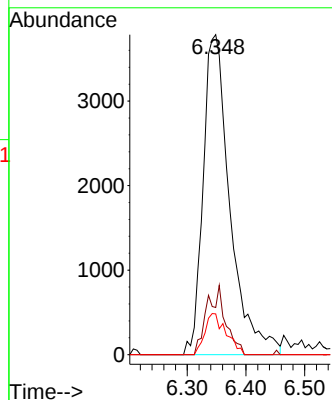
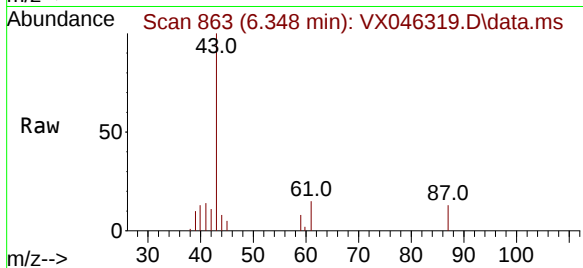




#43
Isopropyl Acetate
Concen: 5.423 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

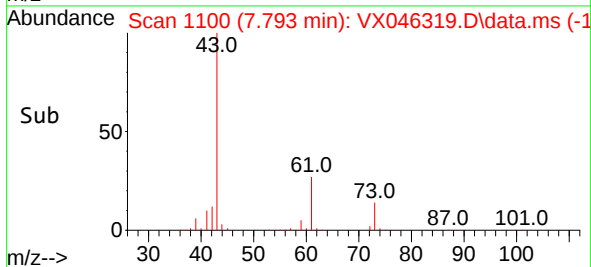
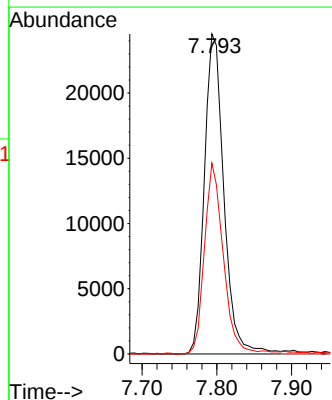
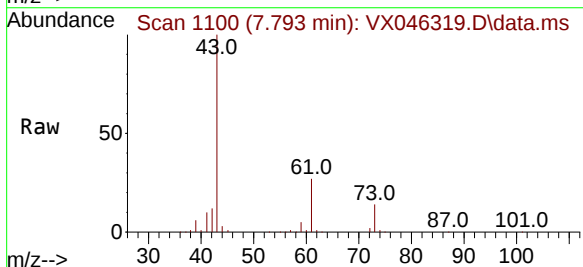
Instrument :
MSVOA_X
ClientSampleId :
ETGI-357

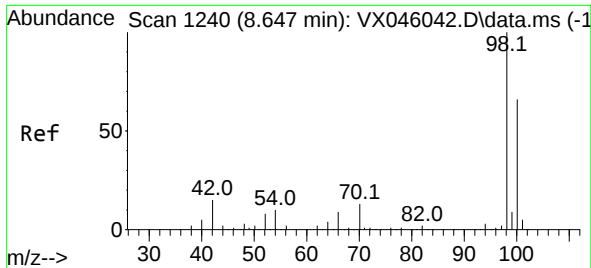
Tgt Ion: 43 Resp: 12027
Ion Ratio Lower Upper
43 100
61 15.2 14.3 21.5
87 10.1 9.5 14.3



#48
Methyl methacrylate
Concen: 39.238 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 41 Resp: 44443
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.8 51.7 77.5

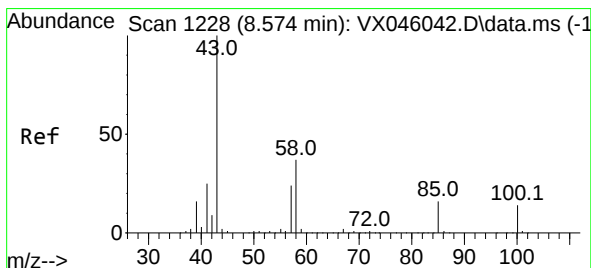
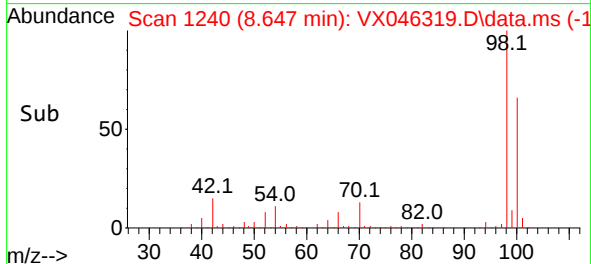
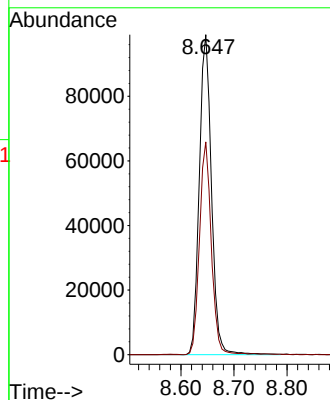
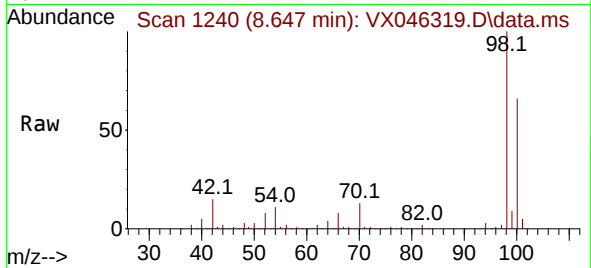




#50
Toluene-d8
Concen: 52.165 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

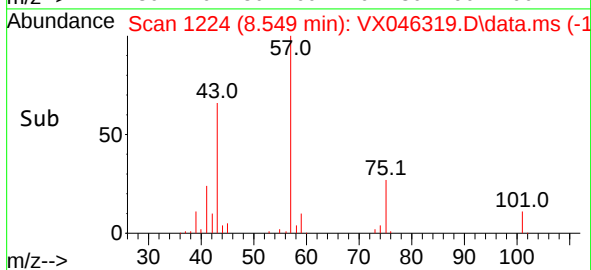
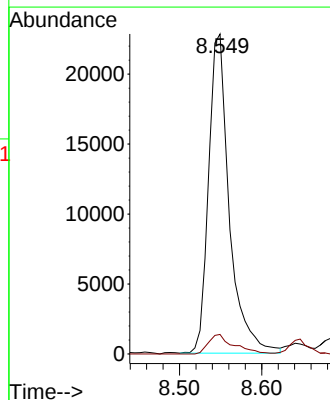
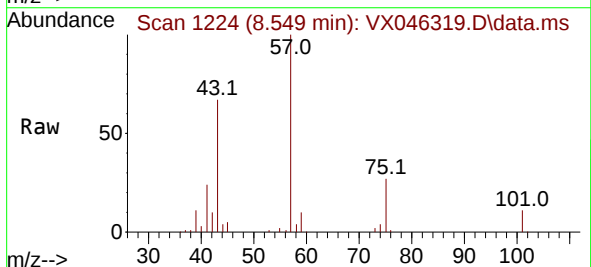
Instrument :
MSVOA_X
ClientSampleId :
ETGI-357

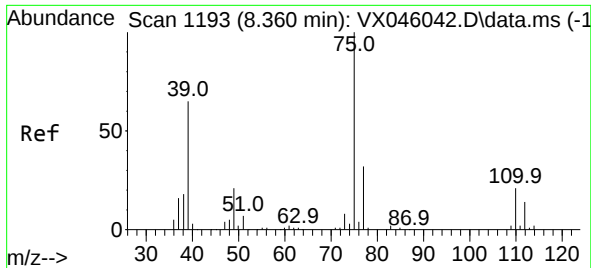
Tgt Ion: 98 Resp: 158116
Ion Ratio Lower Upper
98 100
100 64.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 27.173 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 43 Resp: 40002
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#

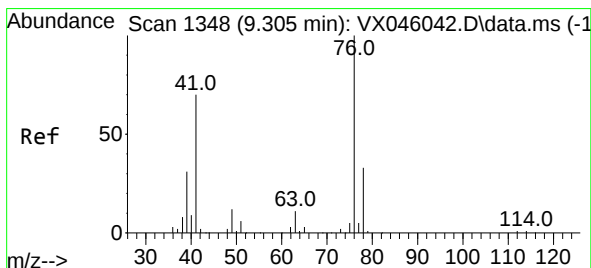
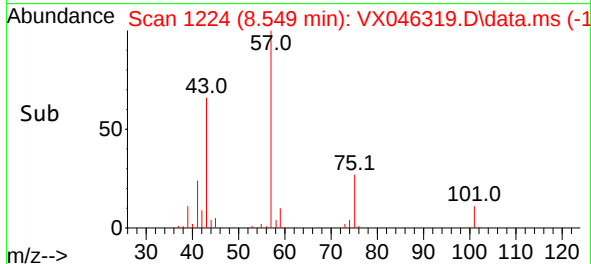
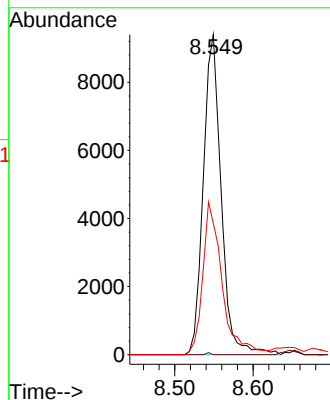
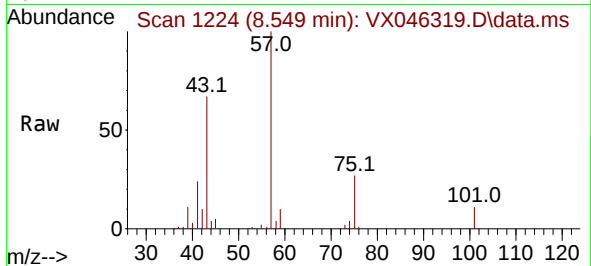




#54
cis-1,3-Dichloropropene
Concen: 11.379 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

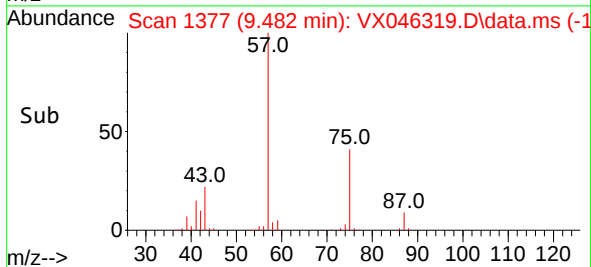
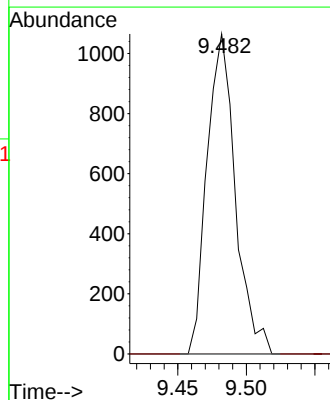
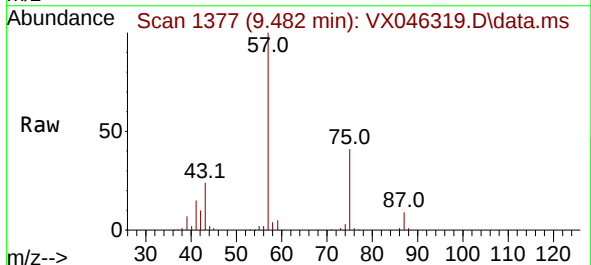
Instrument :
MSVOA_X
ClientSampleId :
ETGI-357

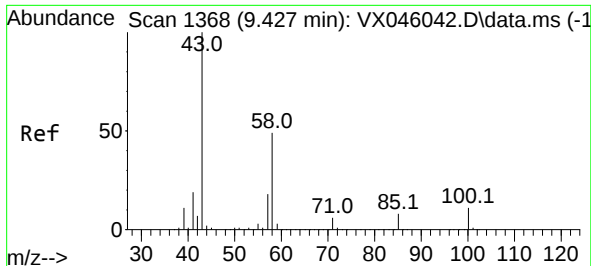
Tgt Ion: 75 Resp: 14882
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.1 52.2 78.4#



#57
1,3-Dichloropropane
Concen: 1.024 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 76 Resp: 1533
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

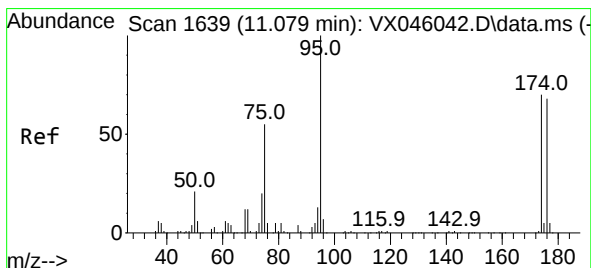
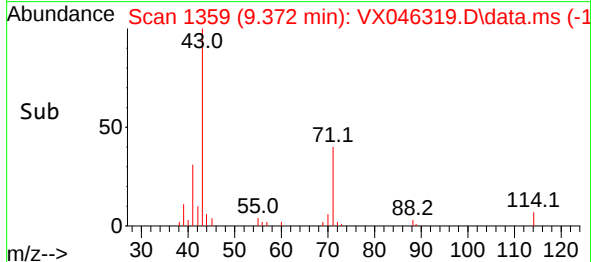
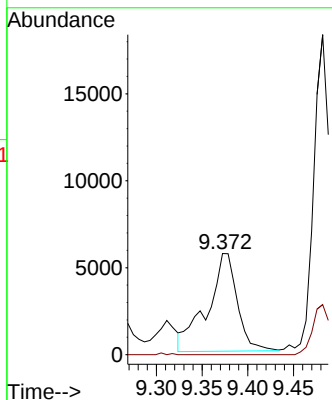
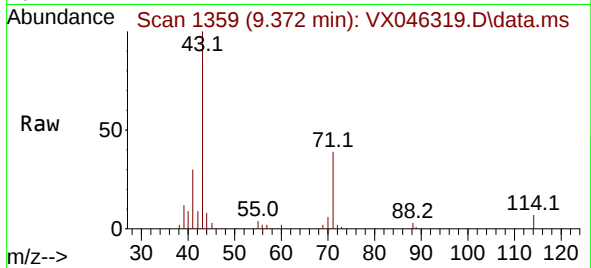




#59
2-Hexanone
Concen: 11.797 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

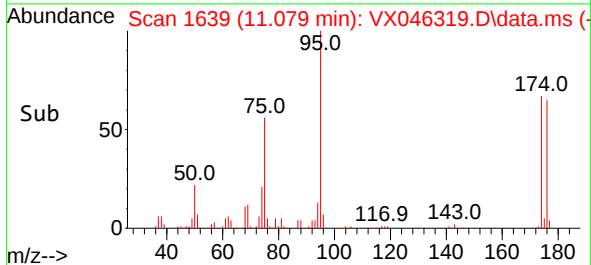
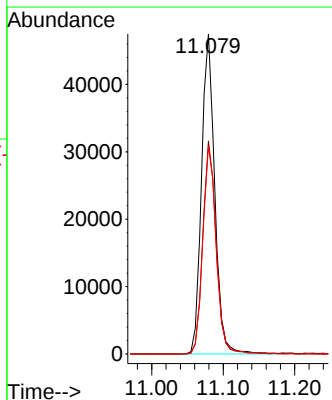
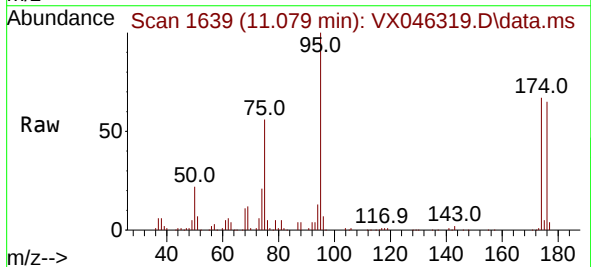
Instrument :
MSVOA_X
ClientSampleId :
ETGI-357

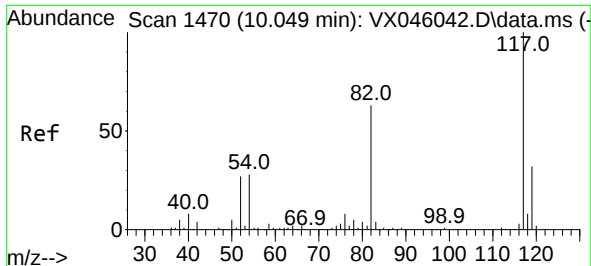
Tgt Ion: 43 Resp: 12848
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 95 Resp: 60983
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 65.5 0.0 131.4

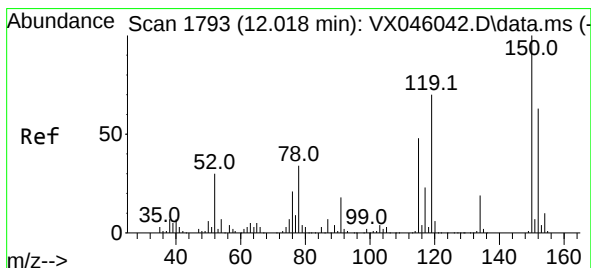
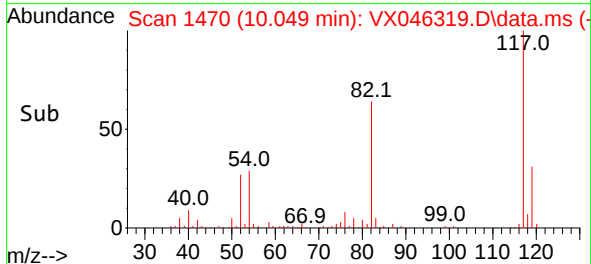
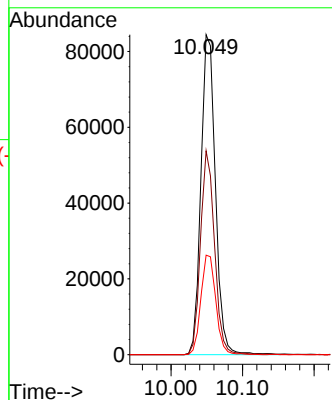
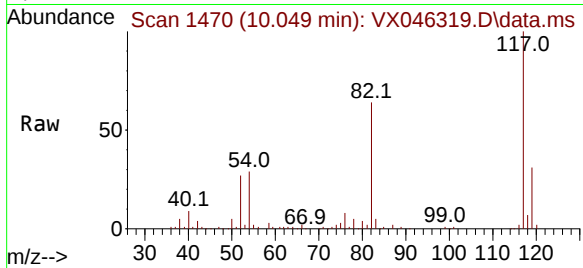




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

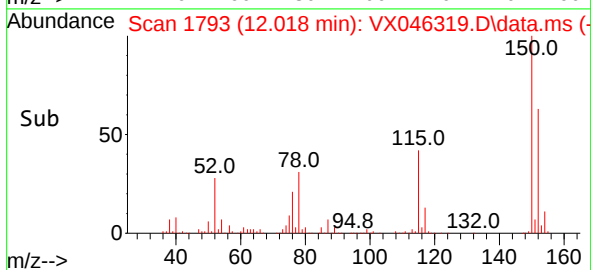
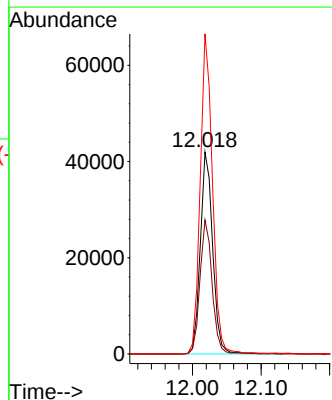
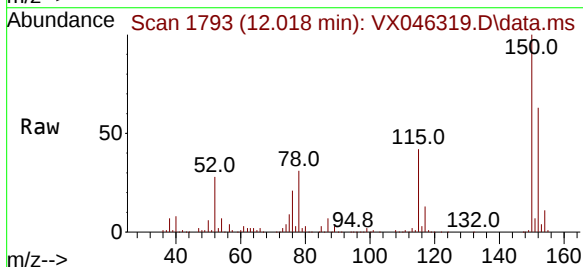
Instrument :
MSVOA_X
ClientSampleId :
ETGI-357

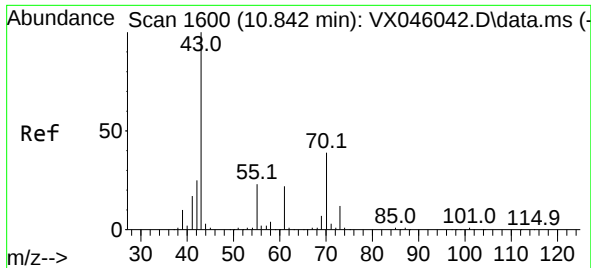
Tgt Ion:117 Resp: 118936
Ion Ratio Lower Upper
117 100
82 63.7 50.6 76.0
119 31.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion:152 Resp: 52821
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 156.8 0.0 351.0

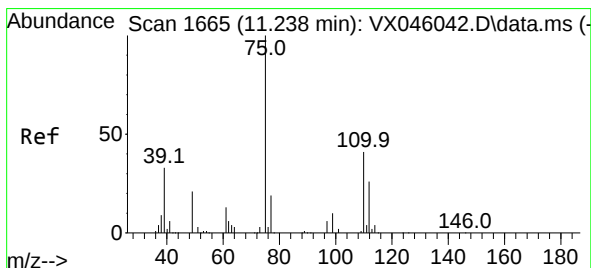
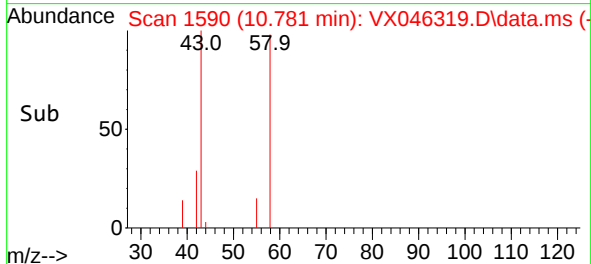
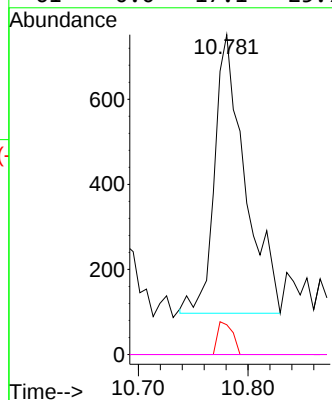
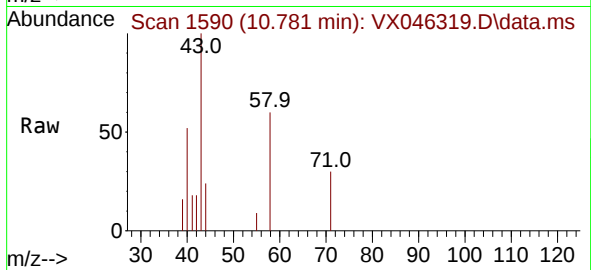




#74
N-amy1 acetate
Concen: 0.623 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

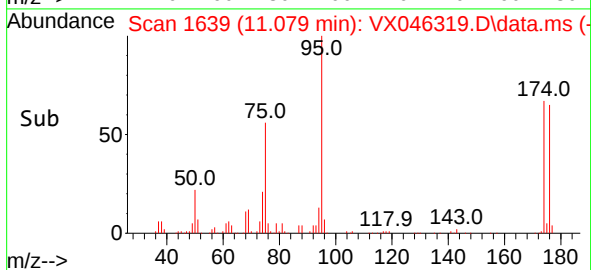
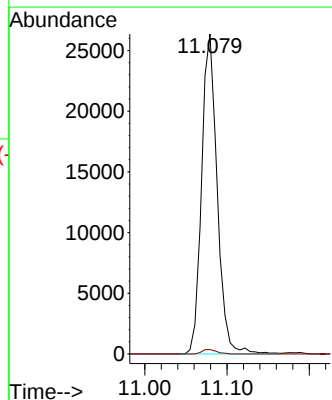
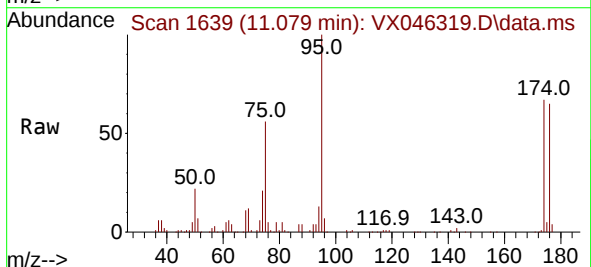
Instrument :
MSVOA_X
ClientSampleId :
ETGI-357

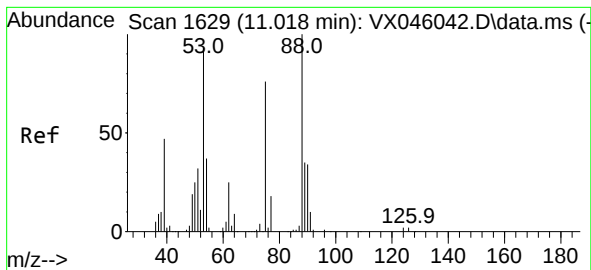
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 5.7 18.7 28.1#
61 0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 27.289 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046319.D
Acq: 22 May 2025 11:13

Tgt Ion: 75 Resp: 34696
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.844 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX046319.D
 Acq: 22 May 2025 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-357

Tgt Ion: 75 Resp: 34696
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

