

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045611.D
 Acq On : 04 Apr 2025 19:48
 Operator : JC/MD
 Sample : Q1712-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-7

Quant Time: Apr 04 23:14:58 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)

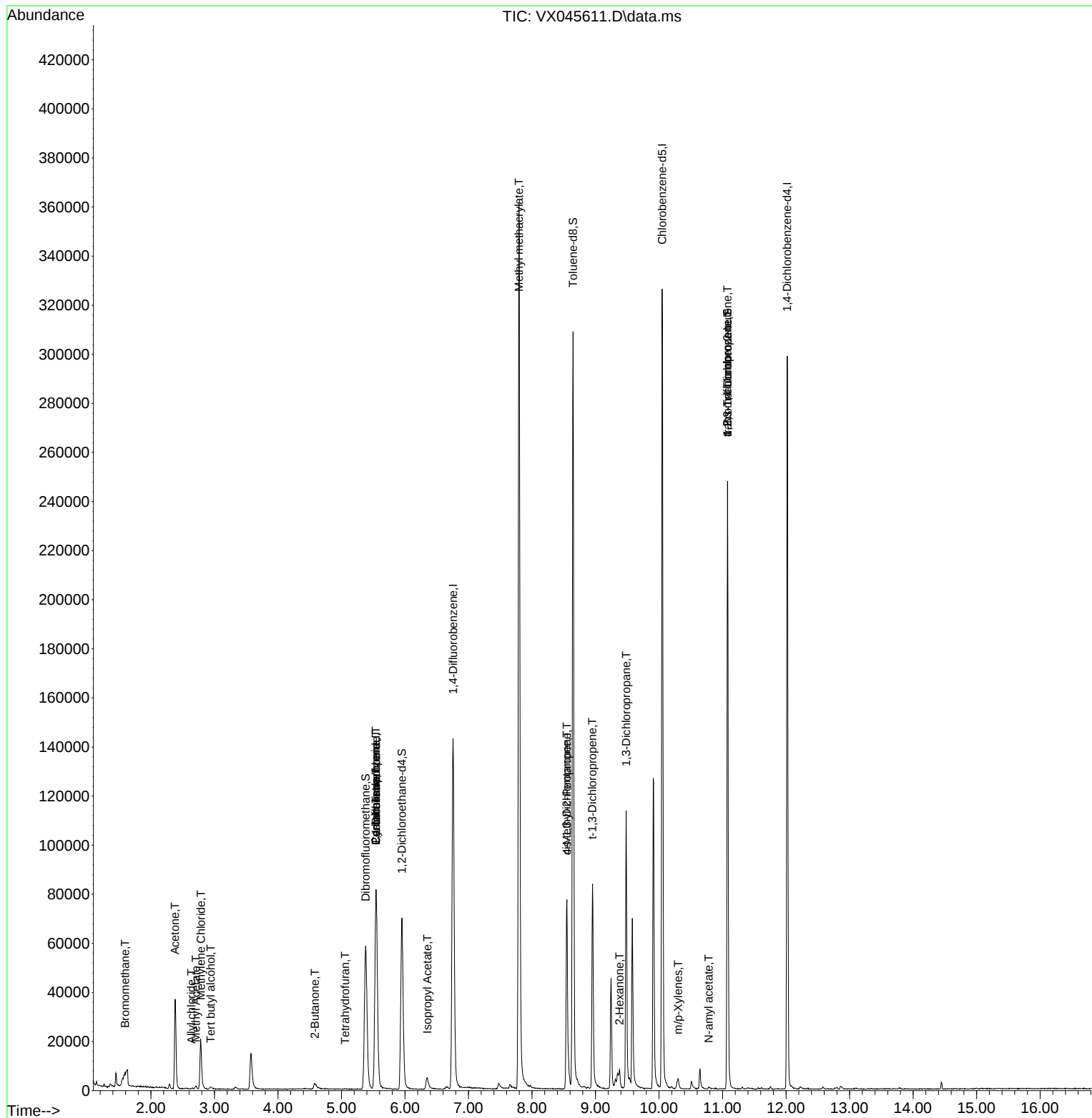
Internal Standards						
1) Pentafluorobenzene	5.544	168	67805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134871	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69730	56.235	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.460%	
35) Dibromofluoromethane	5.379	113	49438	51.664	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.320%	
50) Toluene-d8	8.647	98	173797	52.035	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	11.079	95	64846	53.301	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	116	0.257	ug/l #	3
11) Tert butyl alcohol	2.940	59	386	2.316	ug/l #	72
14) Allyl chloride	2.636	41	353	0.229	ug/l #	62
16) Acetone	2.380	43	40642	79.820	ug/l	96
18) Methyl Acetate	2.709	43	1812	1.546	ug/l	91
20) Methylene Chloride	2.788	84	8744	9.173	ug/l	94
25) 2-Butanone	4.580	43	5513	7.397	ug/l	96
29) Tetrahydrofuran	5.056	42	115	0.238	ug/l #	35
31) Cyclohexane	5.544	56	2202	1.448	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	7069	5.471	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8040	5.758	ug/l #	16
43) Isopropyl Acetate	6.354	43	7228	2.929	ug/l	96
48) Methyl methacrylate	7.793	41	35393	27.778	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	32154	19.655	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	197	2.419	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	11751	8.285	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	890	0.537	ug/l #	42
59) 2-Hexanone	9.378	43	6934	5.724	ug/l #	28
68) m/p-Xylenes	10.299	106	818	0.451	ug/l	85
74) N-amyl acetate	10.780	43	968	0.471	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37946	29.001	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37946	98.426	ug/l #	1

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

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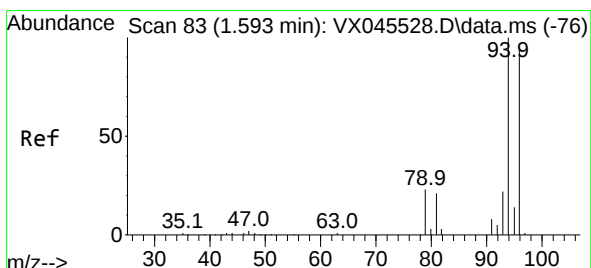
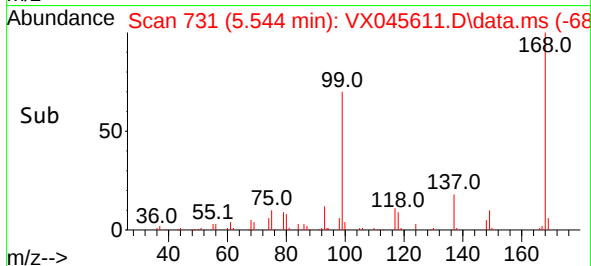
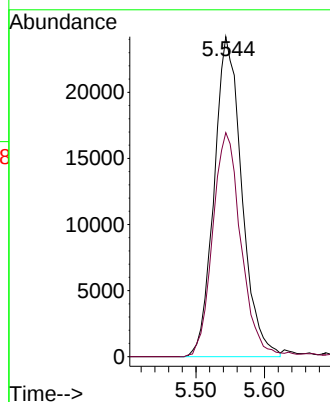
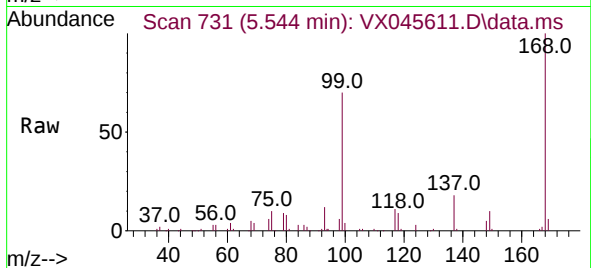




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

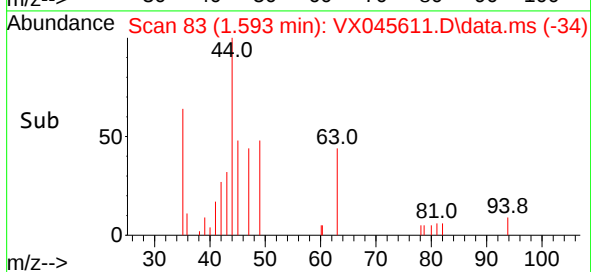
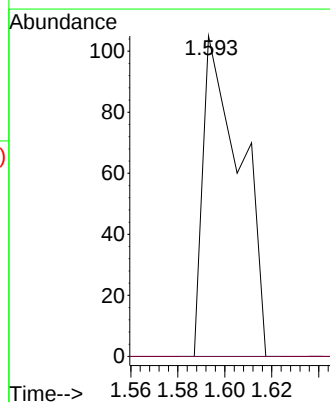
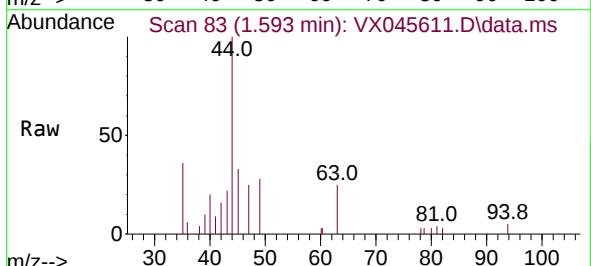
Instrument :
MSVOA_X
ClientSampleId :
TT-7

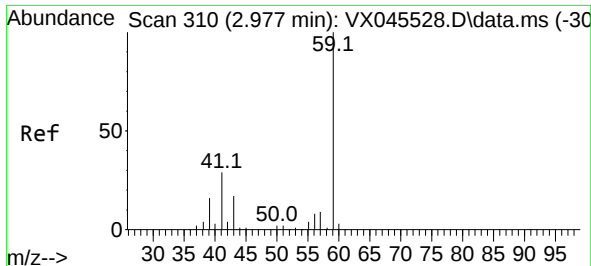
Tgt Ion:168 Resp: 67805
Ion Ratio Lower Upper
168 100
99 70.0 52.3 78.5



#5
Bromomethane
Concen: 0.257 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

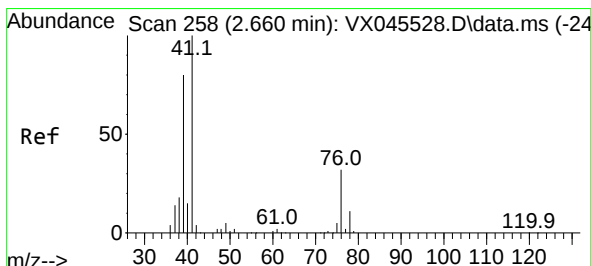
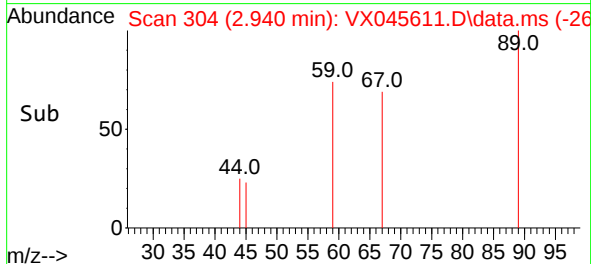
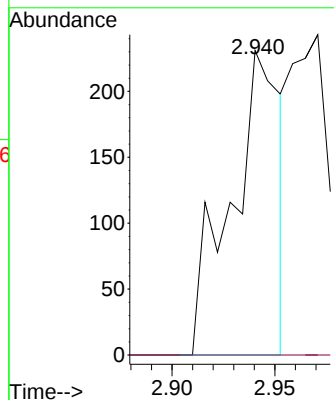
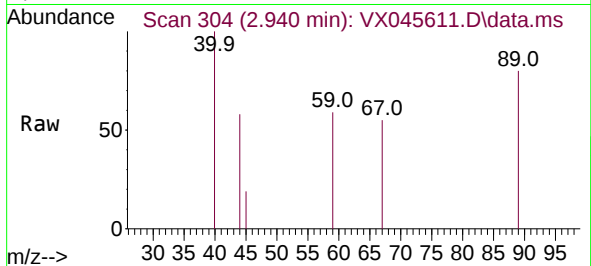




#11
Tert butyl alcohol
Concen: 2.316 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

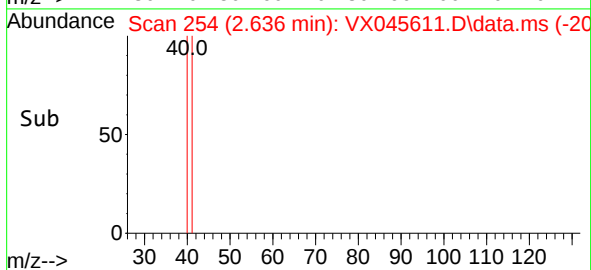
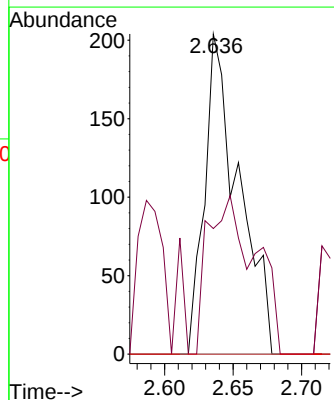
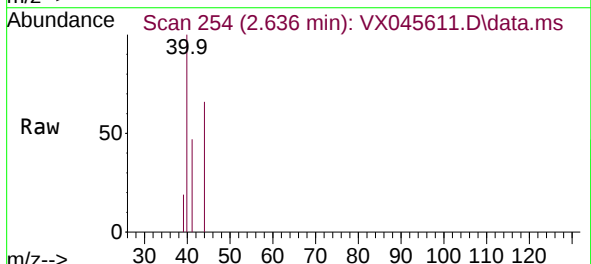
Instrument :
MSVOA_X
ClientSampleId :
TT-7

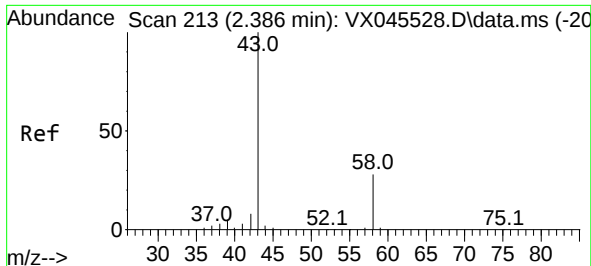
Tgt Ion: 59 Resp: 386
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#14
Allyl chloride
Concen: 0.229 ug/l
RT: 2.636 min Scan# 254
Delta R.T. -0.024 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion: 41 Resp: 353
Ion Ratio Lower Upper
41 100
39 49.6 60.2 90.2#
76 0.0 24.6 36.8#

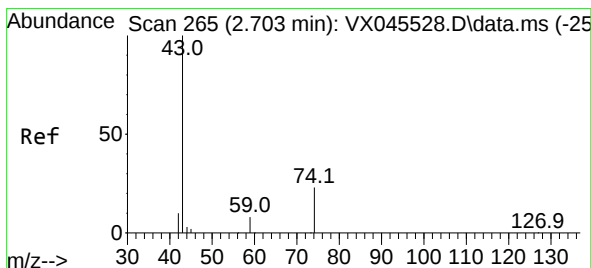
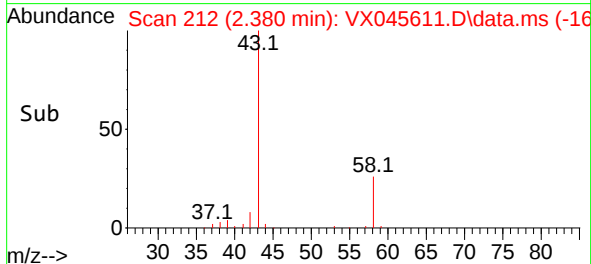
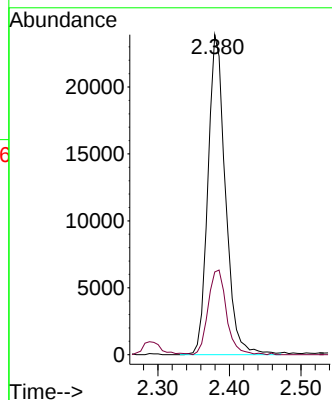
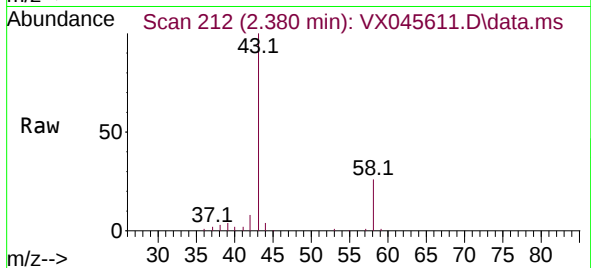




#16
Acetone
Concen: 79.820 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

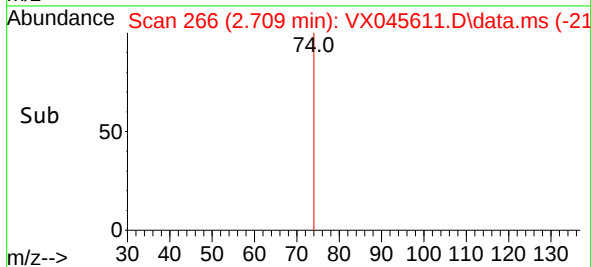
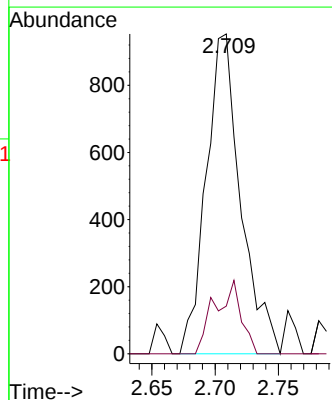
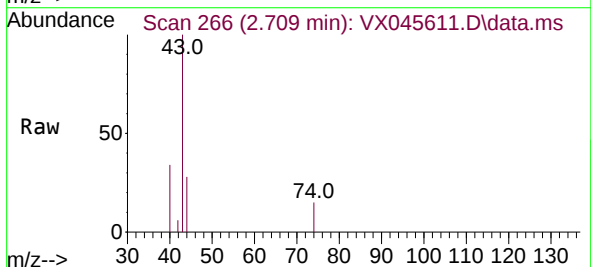
Instrument :
MSVOA_X
ClientSampleId :
TT-7

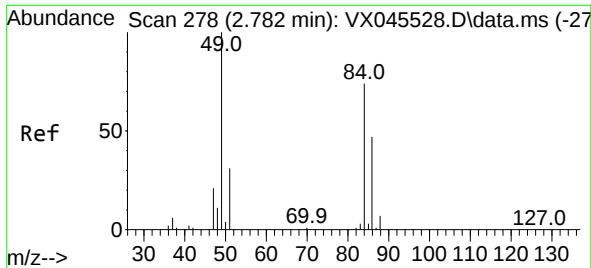
Tgt Ion: 43 Resp: 40642
Ion Ratio Lower Upper
43 100
58 25.9 22.3 33.5



#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
74 17.5 17.5 26.3

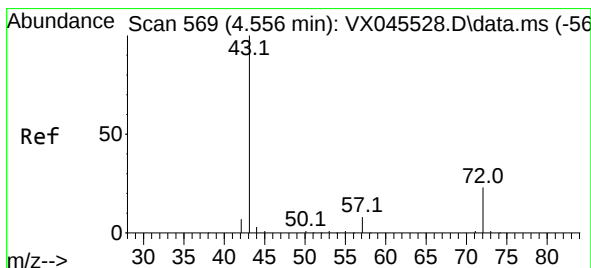
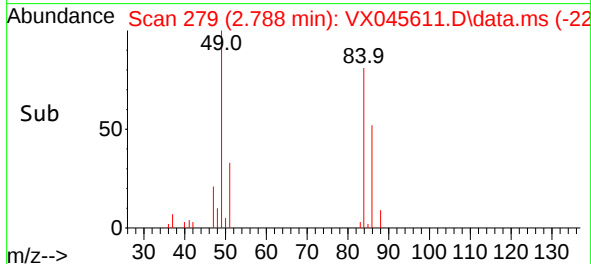
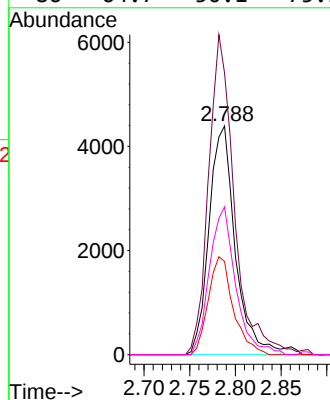
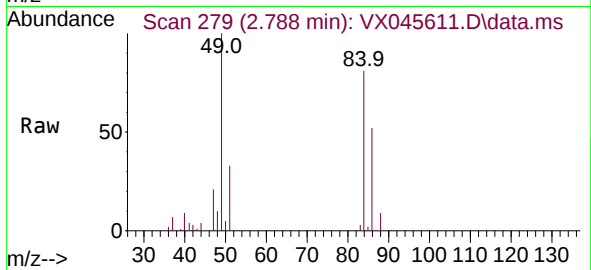




#20
Methylene Chloride
Concen: 9.173 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

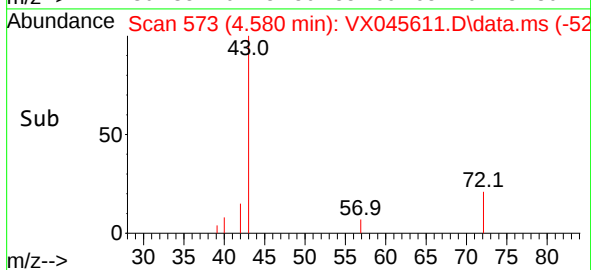
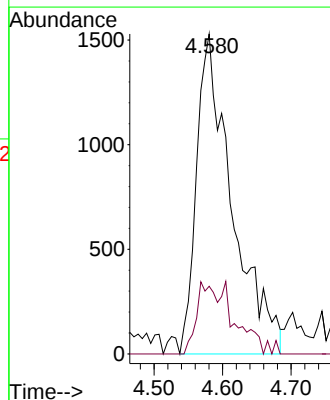
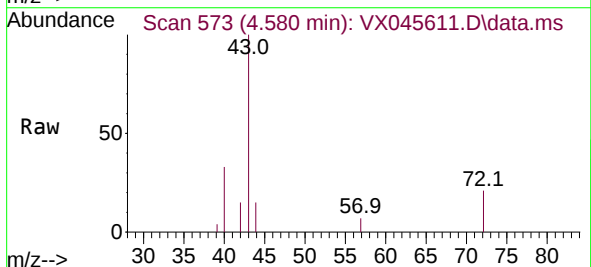
Instrument :
MSVOA_X
ClientSampleId :
TT-7

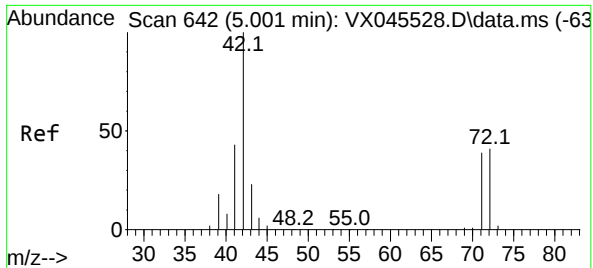
Tgt Ion:	84	Resp:	8744
Ion	Ratio	Lower	Upper
84	100		
49	123.3	107.5	161.3
51	40.8	33.0	49.6
86	64.7	50.1	75.1



#25
2-Butanone
Concen: 7.397 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion:	43	Resp:	5513
Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.238 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX045611.D

Acq: 04 Apr 2025 19:48

Instrument :

MSVOA_X

ClientSampleId :

TT-7

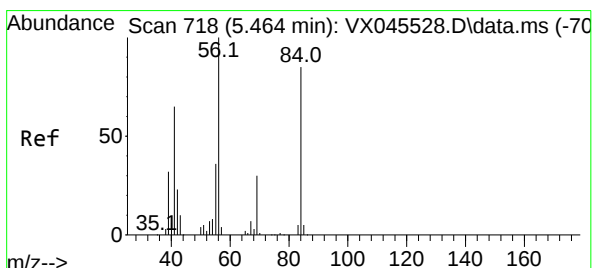
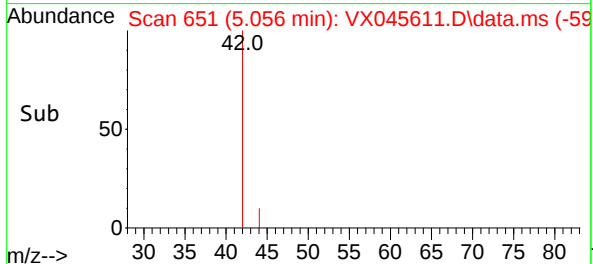
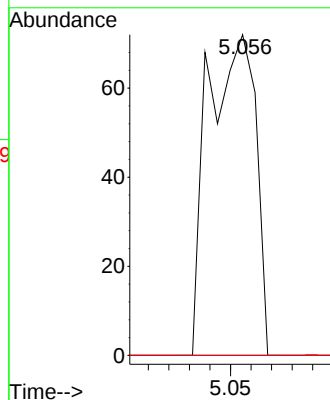
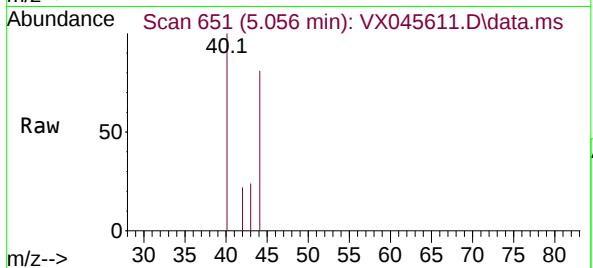
Tgt Ion: 42 Resp: 115

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.448 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045611.D

Acq: 04 Apr 2025 19:48

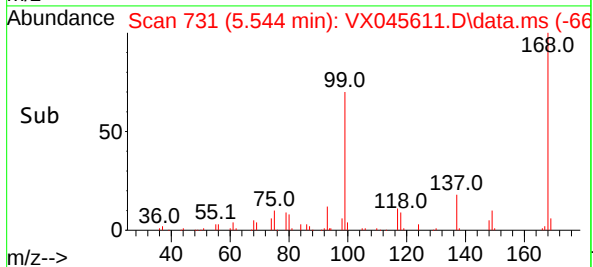
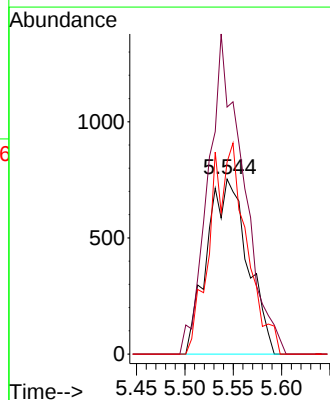
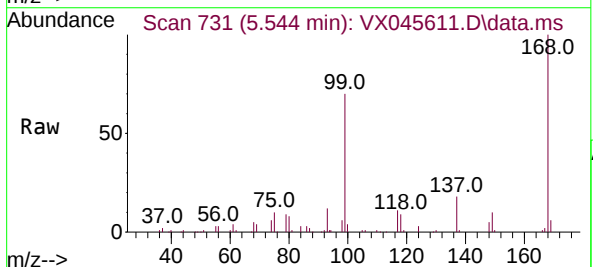
Tgt Ion: 56 Resp: 2202

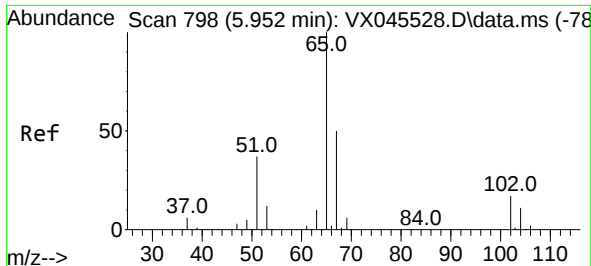
Ion Ratio Lower Upper

56 100

69 141.2 23.6 35.4#

84 109.7 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 56.235 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045611.D

Acq: 04 Apr 2025 19:48

Instrument :

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ClientSampleId :

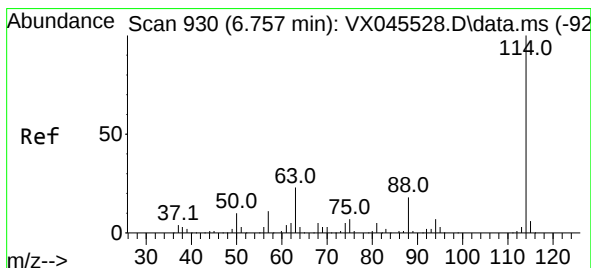
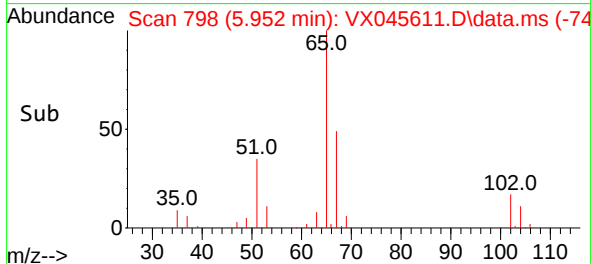
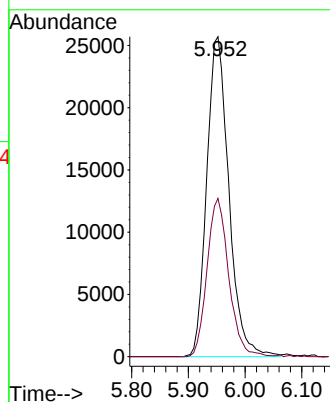
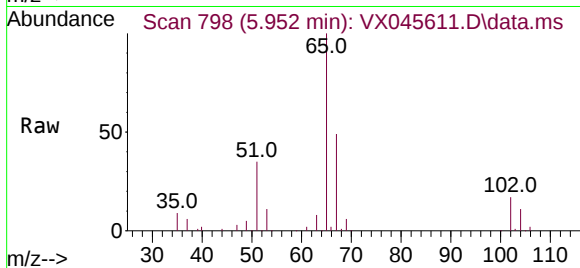
TT-7

Tgt Ion: 65 Resp: 69730

Ion Ratio Lower Upper

65 100

67 48.6 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: VX045611.D

Acq: 04 Apr 2025 19:48

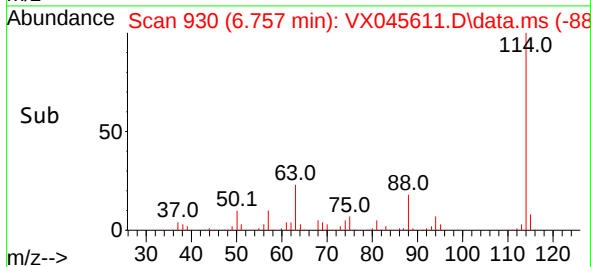
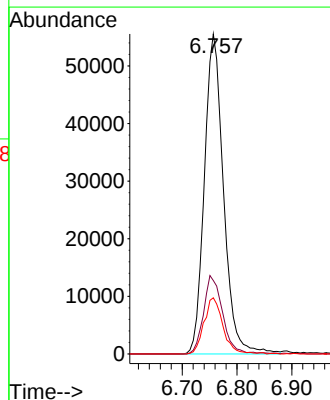
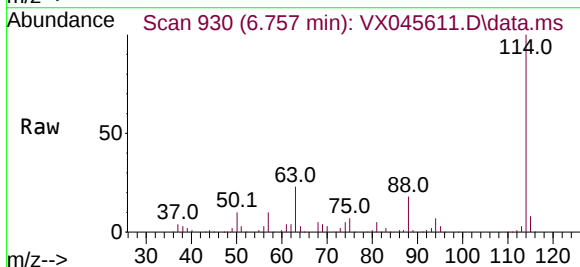
Tgt Ion: 114 Resp: 134871

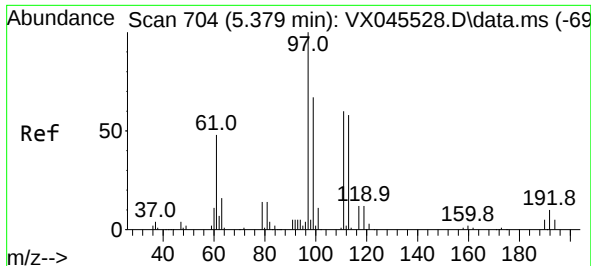
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.8

88 17.6 0.0 35.4

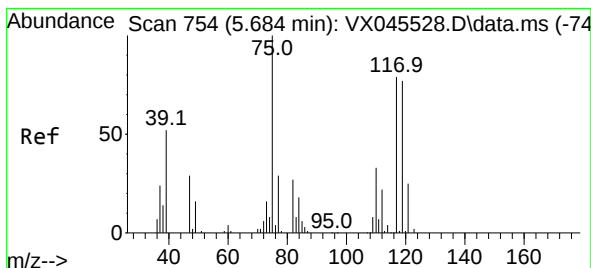
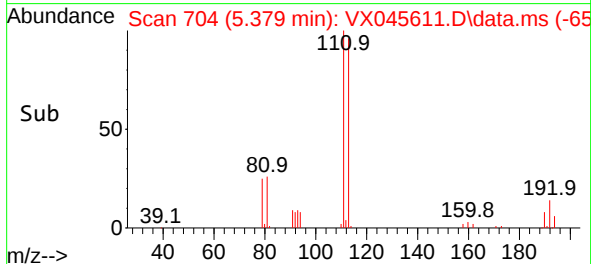
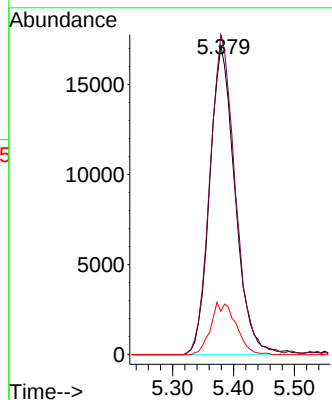
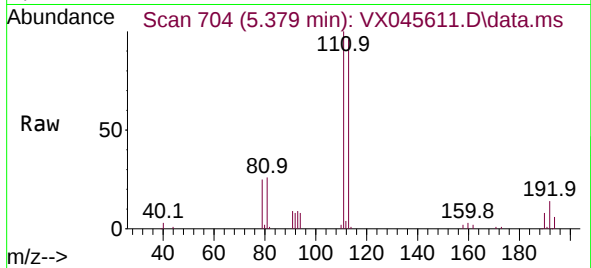




#35
Dibromofluoromethane
Concen: 51.664 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

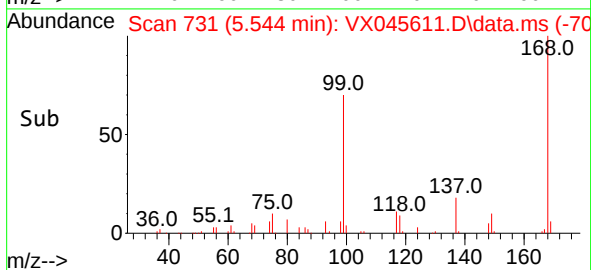
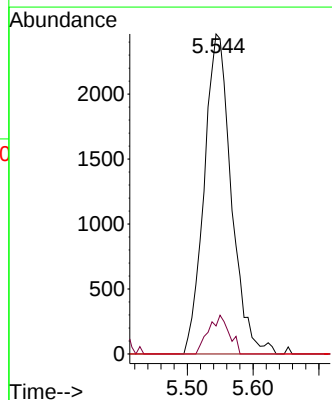
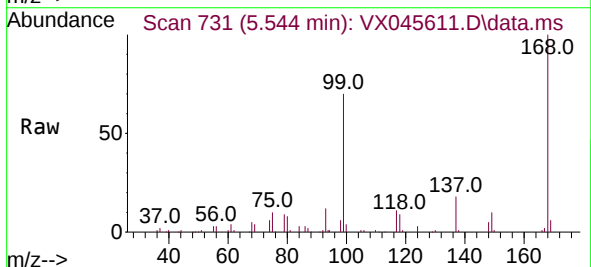
Instrument :
MSVOA_X
ClientSampleId :
TT-7

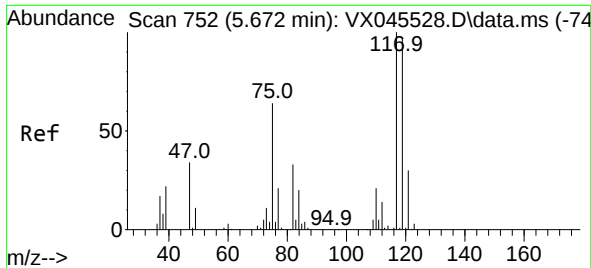
Tgt Ion:113 Resp: 49438
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.6
192 16.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.471 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

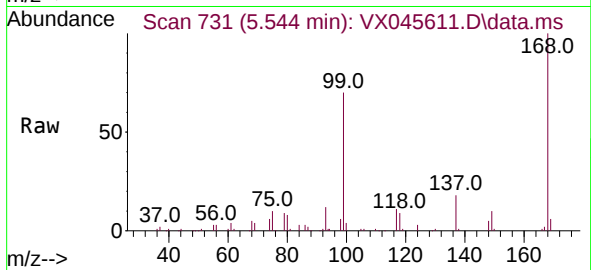
Tgt Ion: 75 Resp: 7069
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.6#
77 0.0 25.0 37.4#



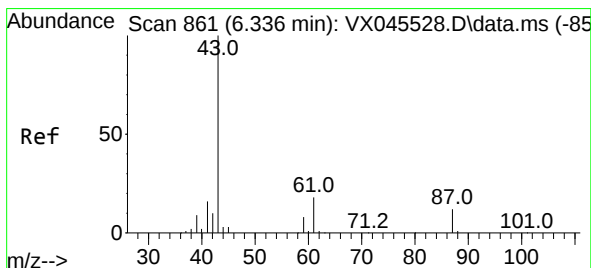
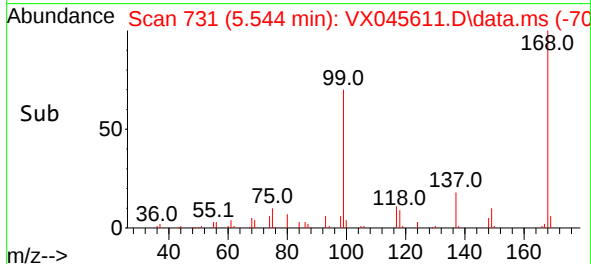
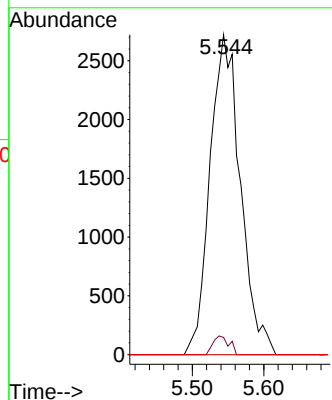


#38
Carbon Tetrachloride
Concen: 5.758 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
TT-7

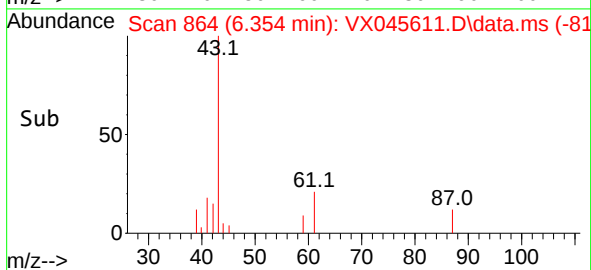
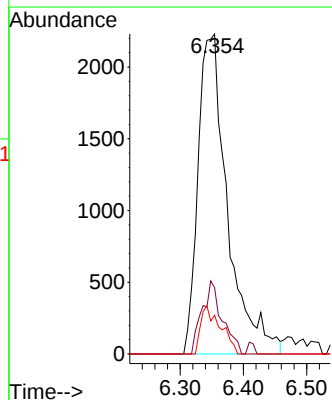
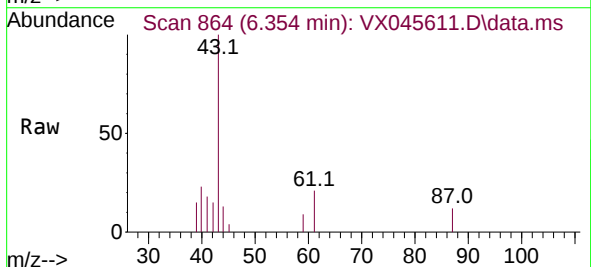


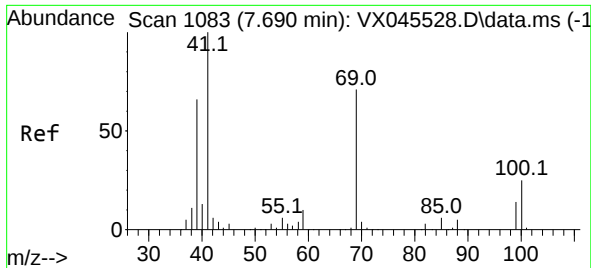
Tgt Ion:117 Resp: 8040
Ion Ratio Lower Upper
117 100
119 5.4 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.929 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion: 43 Resp: 7228
Ion Ratio Lower Upper
43 100
61 15.7 14.1 21.1
87 10.1 9.2 13.8

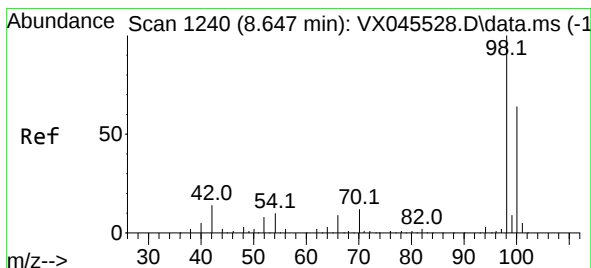
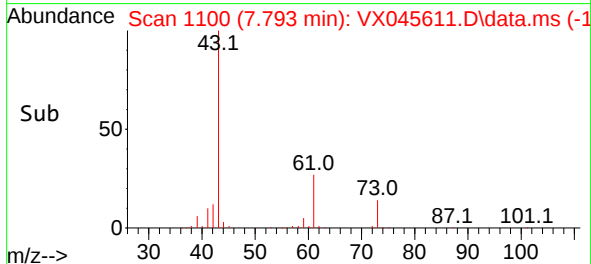
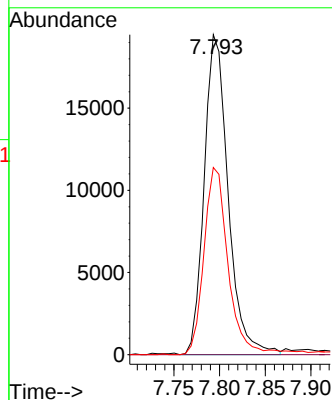
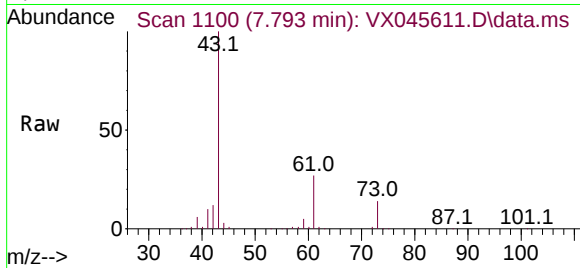




#48
Methyl methacrylate
Concen: 27.778 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

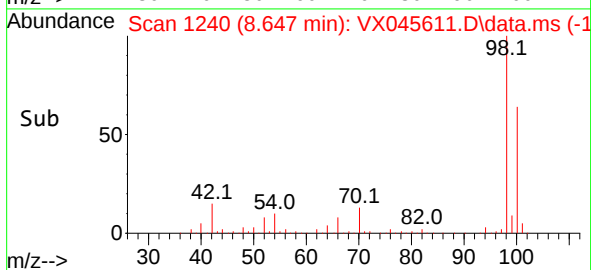
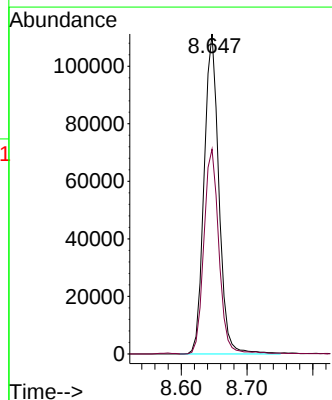
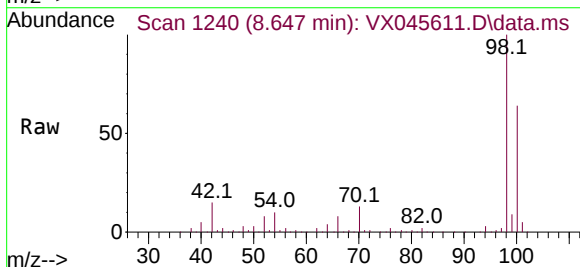
Instrument :
MSVOA_X
ClientSampleId :
TT-7

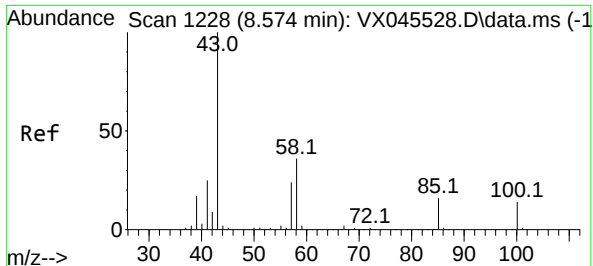
Tgt Ion: 41 Resp: 35393
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.8 53.6 80.4



#50
Toluene-d8
Concen: 52.035 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion: 98 Resp: 173797
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

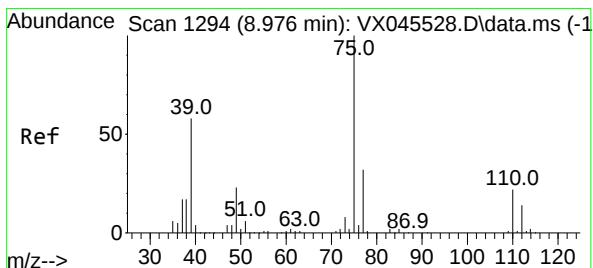
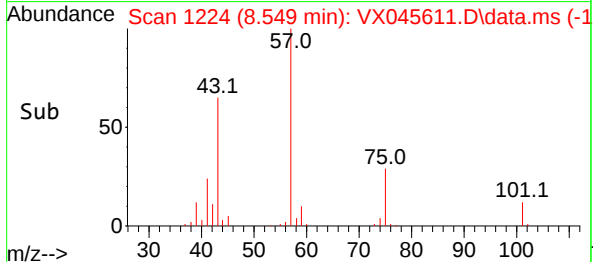
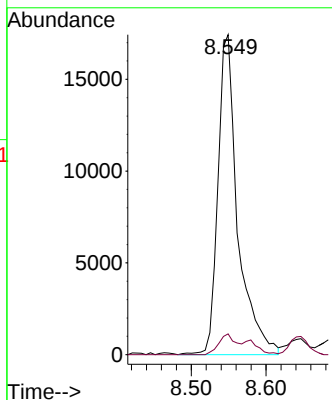
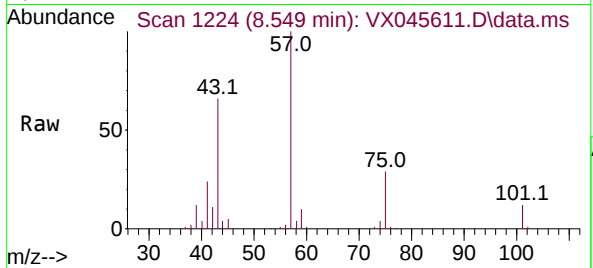




#51
4-Methyl-2-Pentanone
Concen: 19.655 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

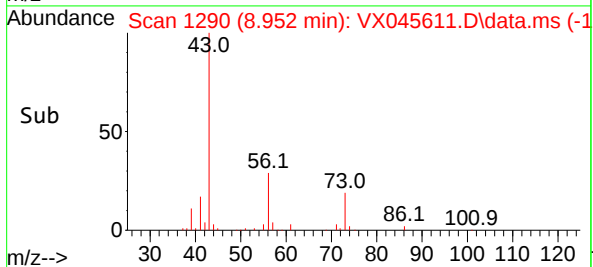
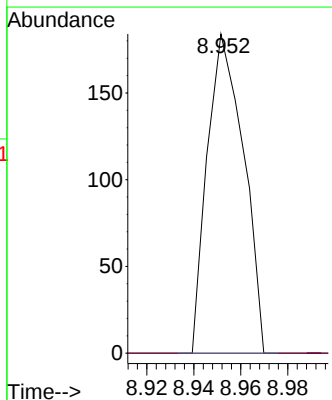
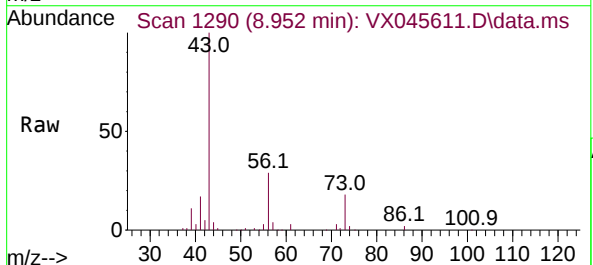
Instrument :
MSVOA_X
ClientSampleId :
TT-7

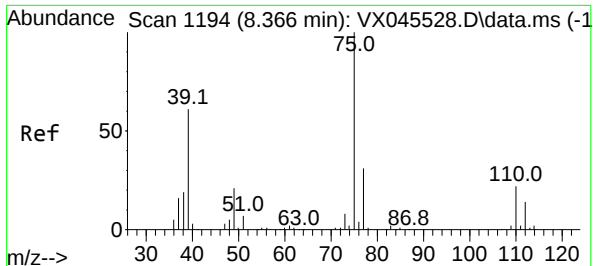
Tgt Ion: 43 Resp: 32154
Ion Ratio Lower Upper
43 100
58 5.8 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.419 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion: 75 Resp: 197
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

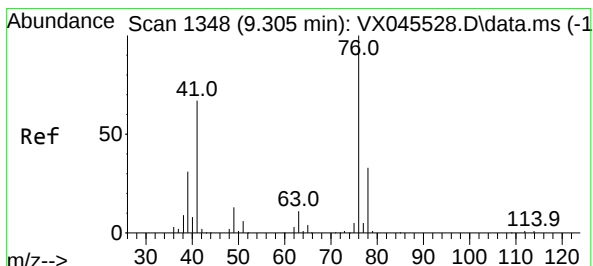
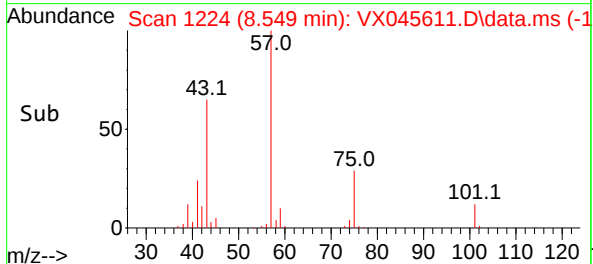
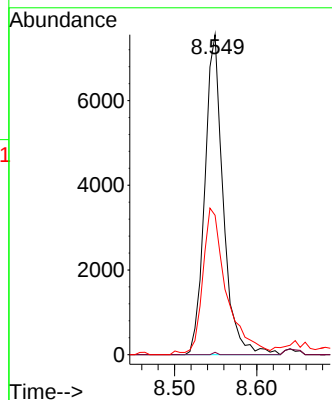
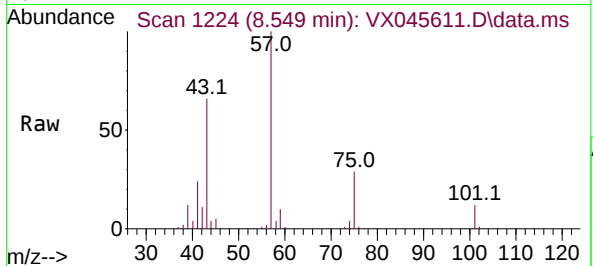




#54
 cis-1,3-Dichloropropene
 Concen: 8.285 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045611.D
 Acq: 04 Apr 2025 19:48

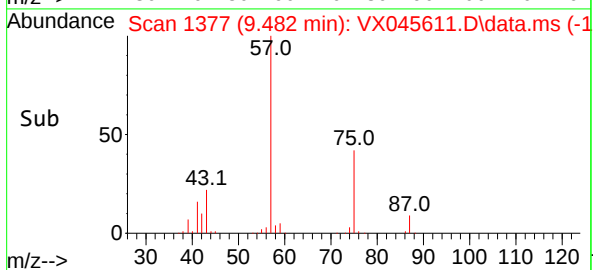
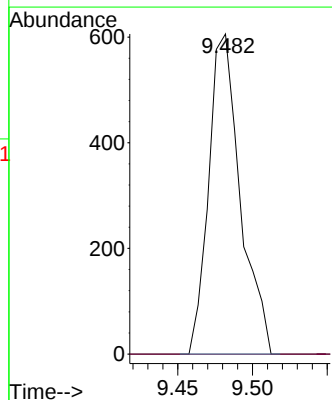
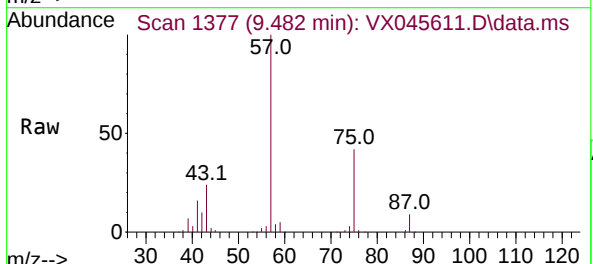
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-7

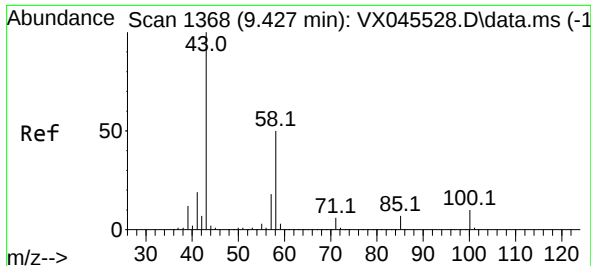
Tgt Ion: 75 Resp: 11751
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 36.8#
 39 42.9 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.537 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045611.D
 Acq: 04 Apr 2025 19:48

Tgt Ion: 76 Resp: 890
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 5.724 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045611.D

Acq: 04 Apr 2025 19:48

Instrument :

MSVOA_X

ClientSampleId :

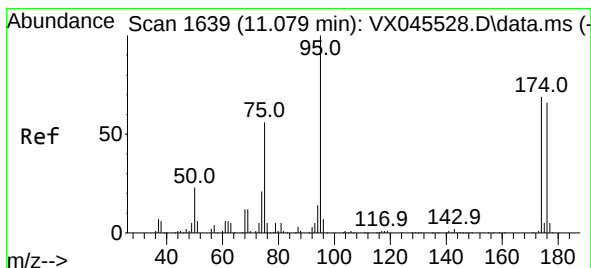
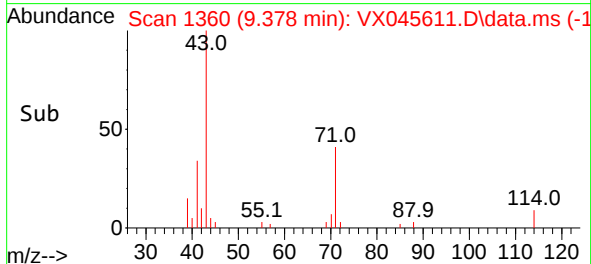
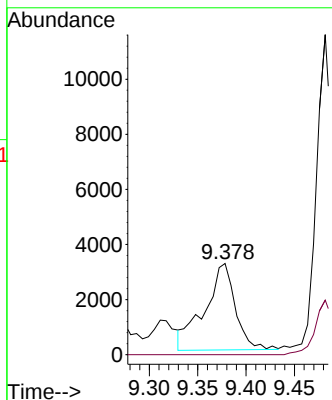
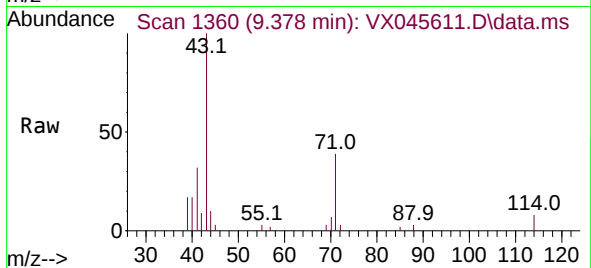
TT-7

Tgt Ion: 43 Resp: 6934

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 53.301 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045611.D

Acq: 04 Apr 2025 19:48

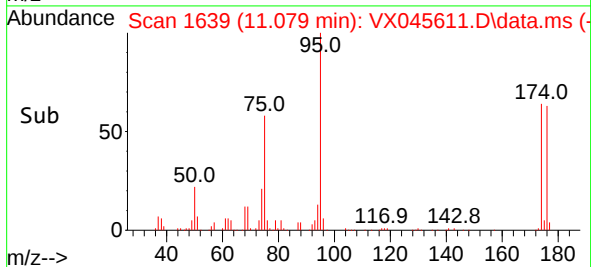
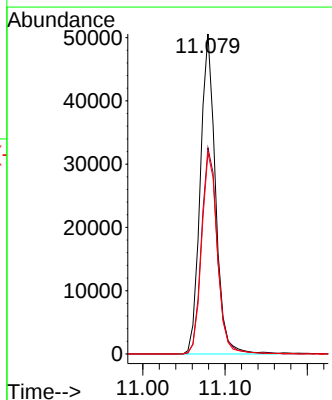
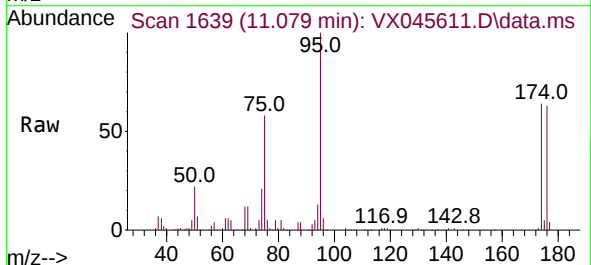
Tgt Ion: 95 Resp: 64846

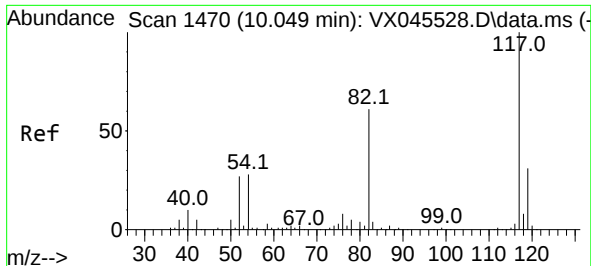
Ion Ratio Lower Upper

95 100

174 67.4 0.0 135.8

176 65.1 0.0 131.4

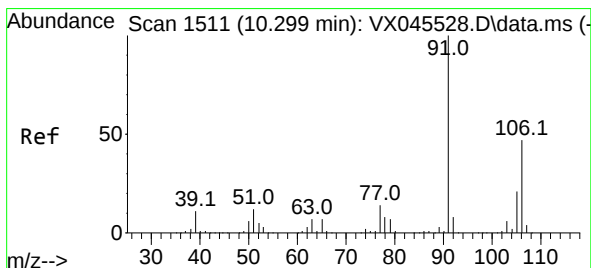
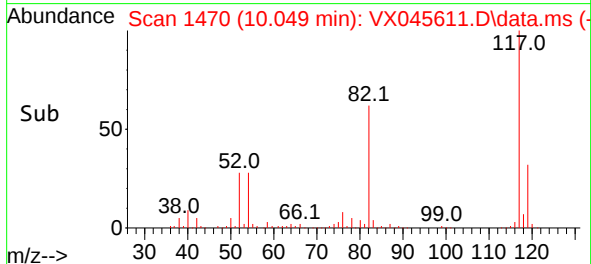
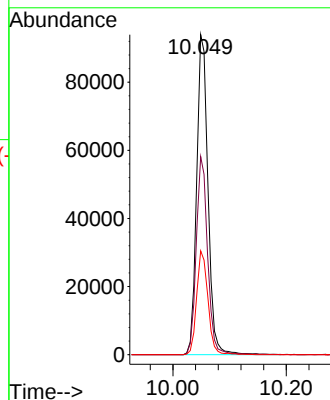
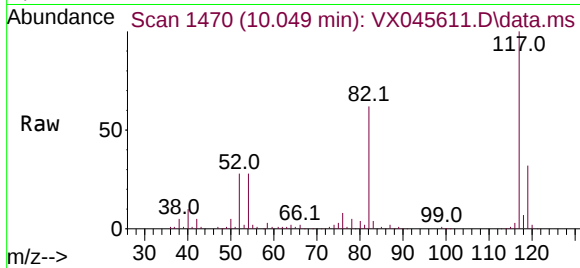




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

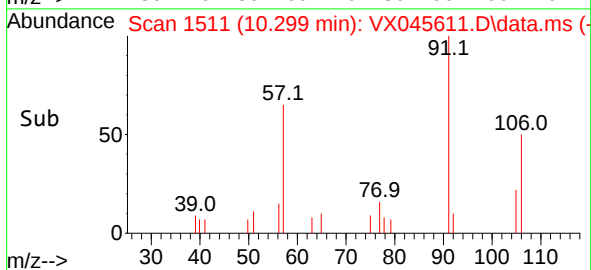
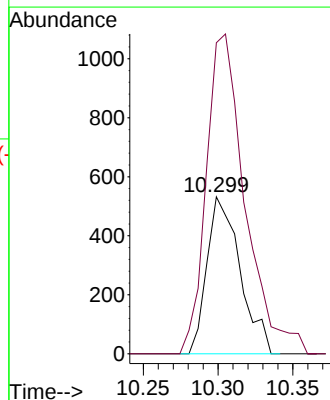
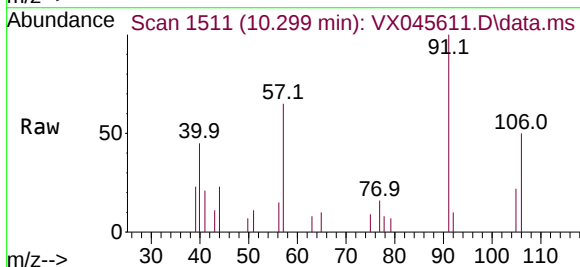
Instrument :
MSVOA_X
ClientSampleId :
TT-7

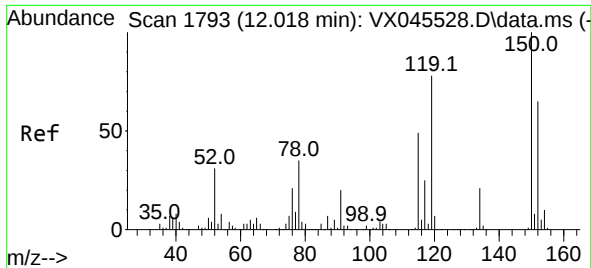
Tgt Ion:117 Resp: 130302
Ion Ratio Lower Upper
117 100
82 61.9 49.2 73.8
119 32.5 25.1 37.7



#68
m/p-Xylenes
Concen: 0.451 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion:106 Resp: 818
Ion Ratio Lower Upper
106 100
91 239.6 172.6 258.8

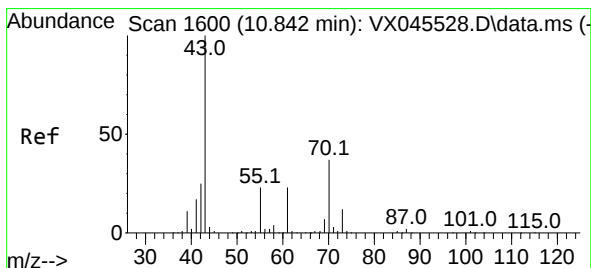
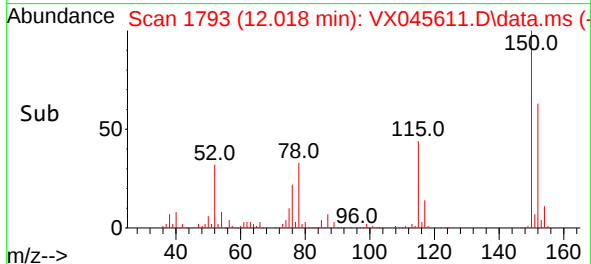
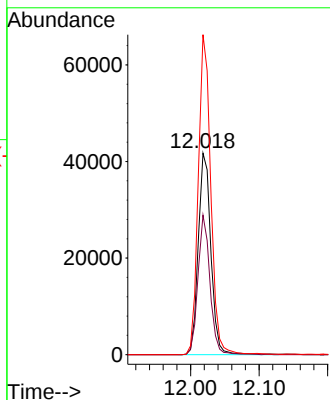
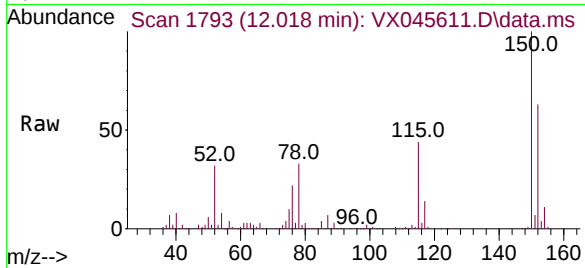




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

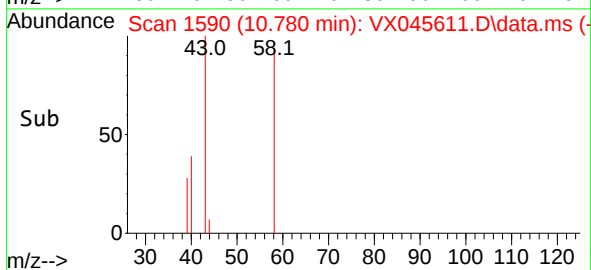
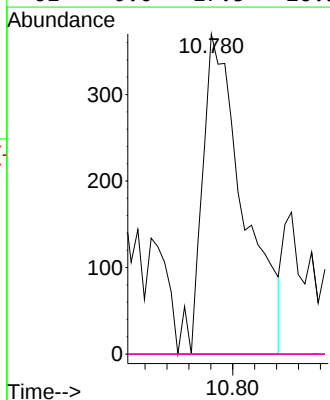
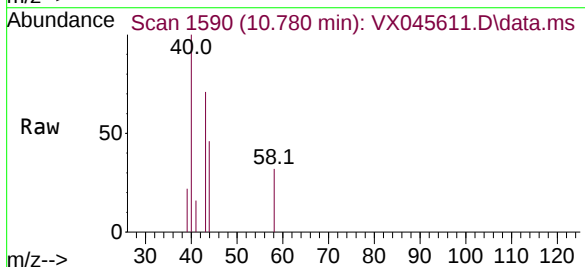
Instrument :
MSVOA_X
ClientSampleId :
TT-7

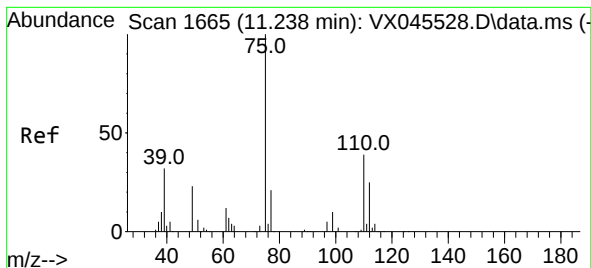
Tgt Ion:152 Resp: 53641
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 156.6 0.0 349.4



#74
N-ethyl acetate
Concen: 0.471 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045611.D
Acq: 04 Apr 2025 19:48

Tgt Ion: 43 Resp: 968
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: 29.001 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045611.D

Acq: 04 Apr 2025 19:48

Instrument :

MSVOA_X

ClientSampleId :

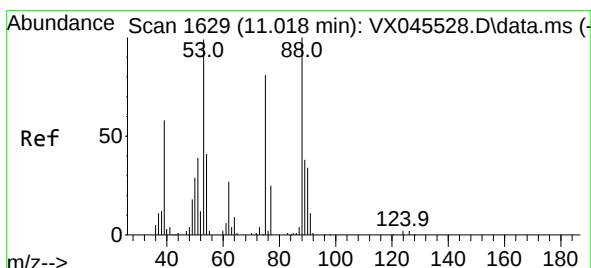
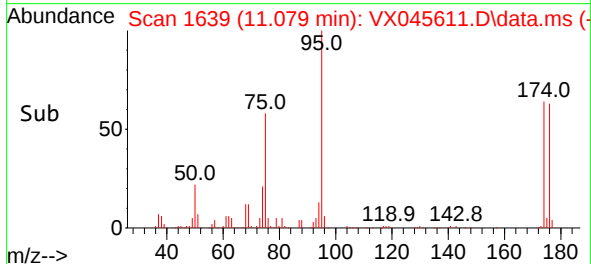
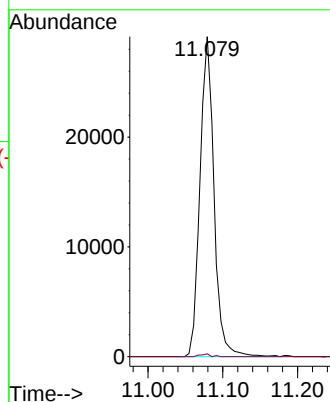
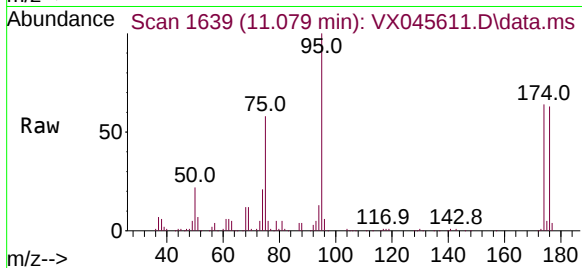
TT-7

Tgt Ion: 75 Resp: 37946

Ion Ratio Lower Upper

75 100

77 0.6 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.426 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045611.D

Acq: 04 Apr 2025 19:48

Tgt Ion: 75 Resp: 37946

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

