

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045609.D
 Acq On : 04 Apr 2025 19:01
 Operator : JC/MD
 Sample : Q1695-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-3

Quant Time: Apr 04 23:14:34 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)

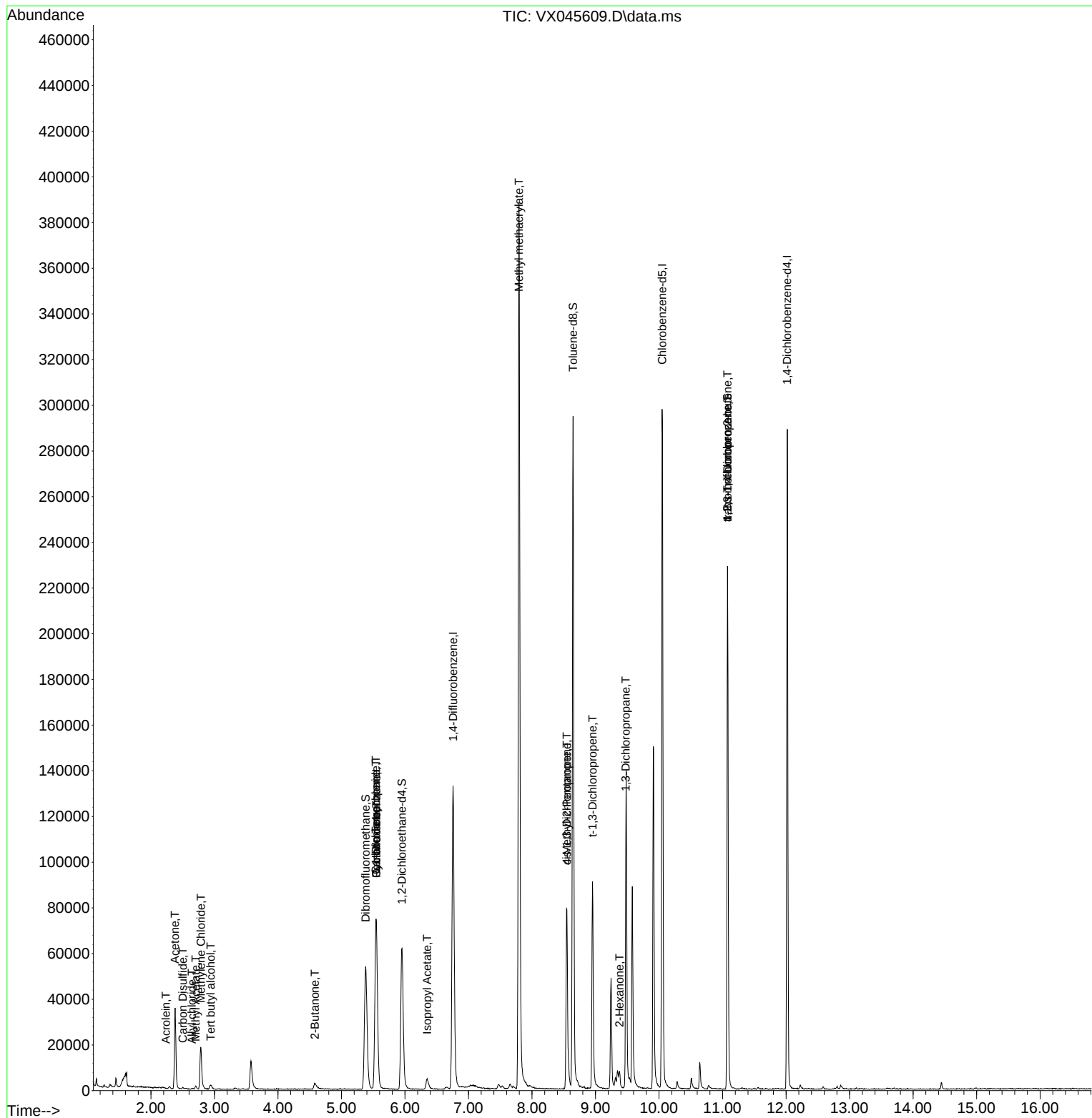
Internal Standards						
1) Pentafluorobenzene	5.550	168	64273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64751	55.089	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.180%
35) Dibromofluoromethane	5.379	113	46929	51.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.460%
50) Toluene-d8	8.647	98	162903	51.448	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.900%
62) 4-Bromofluorobenzene	11.079	95	59053	51.202	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1485	9.401	ug/l #	72
13) Acrolein	2.233	56	58	0.267	ug/l #	15
14) Allyl chloride	2.642	41	326	0.223	ug/l #	21
16) Acetone	2.380	43	38246	79.242	ug/l	99
17) Carbon Disulfide	2.501	76	786	0.412	ug/l #	76
18) Methyl Acetate	2.703	43	1942	1.748	ug/l #	84
20) Methylene Chloride	2.788	84	8607	9.526	ug/l	97
25) 2-Butanone	4.580	43	5116	7.241	ug/l	91
31) Cyclohexane	5.550	56	1962	1.361	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6400	5.225	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7335	5.541	ug/l #	14
43) Isopropyl Acetate	6.348	43	7096	3.033	ug/l	98
48) Methyl methacrylate	7.793	41	39592	32.777	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	33691	21.724	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	240	2.456	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	12221	9.089	ug/l #	70
57) 1,3-Dichloropropane	9.476	76	1253	0.798	ug/l #	42
59) 2-Hexanone	9.378	43	7434	6.473	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35121	27.543	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35121	93.479	ug/l #	1

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

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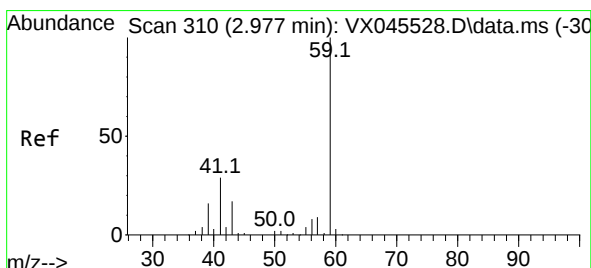
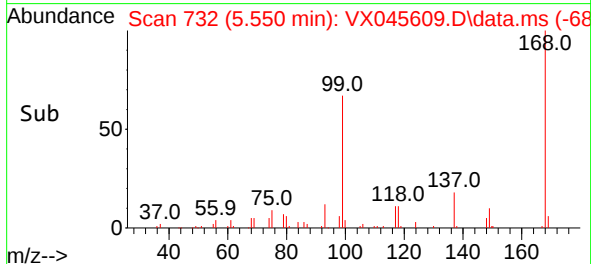
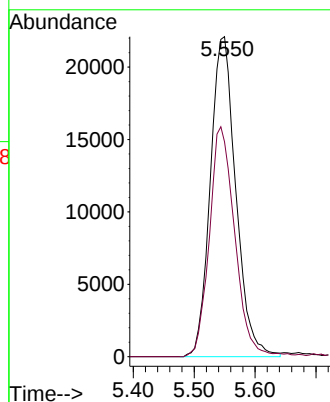
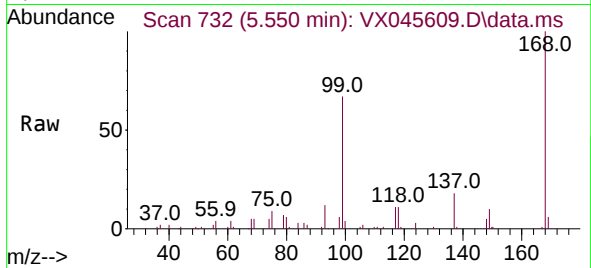




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

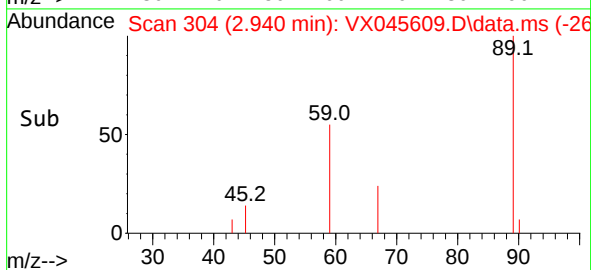
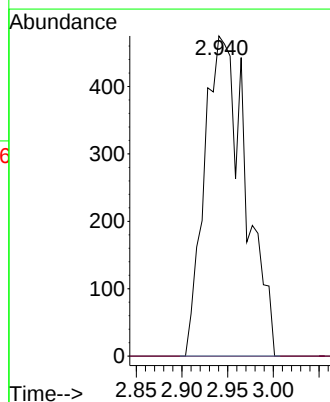
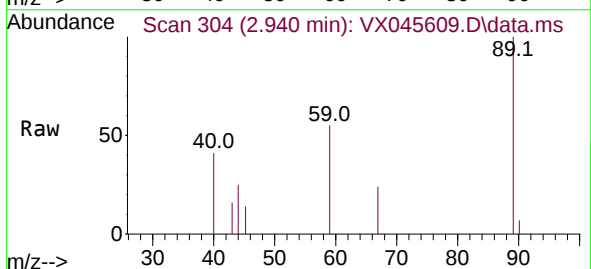
Instrument :
MSVOA_X
ClientSampleId :
TT-3

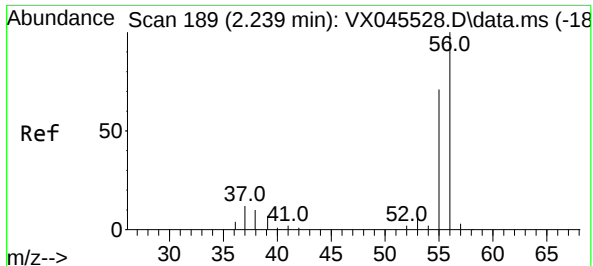
Tgt Ion:168 Resp: 64273
Ion Ratio Lower Upper
168 100
99 67.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 9.401 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 59 Resp: 1485
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.267 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX045609.D

Acq: 04 Apr 2025 19:01

Instrument :

MSVOA_X

ClientSampleId :

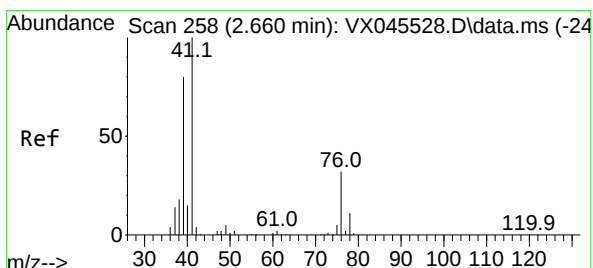
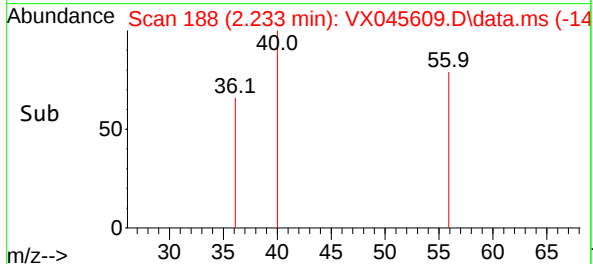
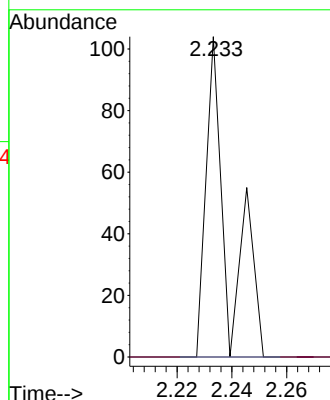
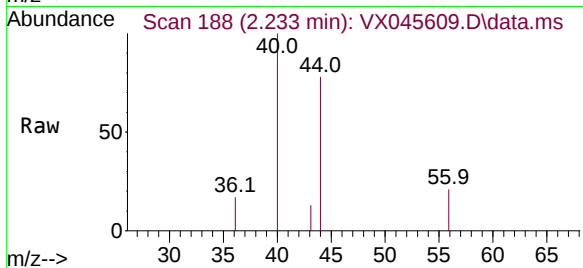
TT-3

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#14

Allyl chloride

Concen: 0.223 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.018 min

Lab File: VX045609.D

Acq: 04 Apr 2025 19:01

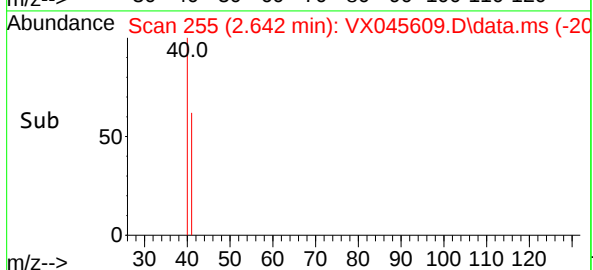
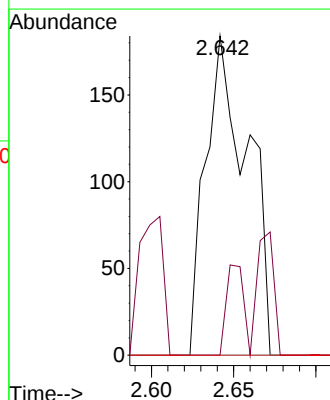
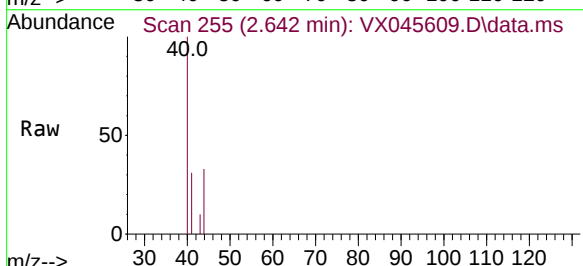
Tgt Ion: 41 Resp: 326

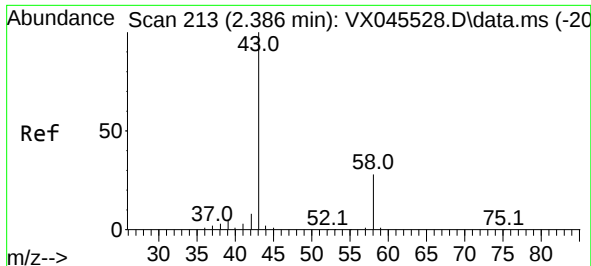
Ion Ratio Lower Upper

41 100

39 0.0 60.2 90.2#

76 0.0 24.6 36.8#





#16

Acetone

Concen: 79.242 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045609.D

Acq: 04 Apr 2025 19:01

Instrument :

MSVOA_X

ClientSampleId :

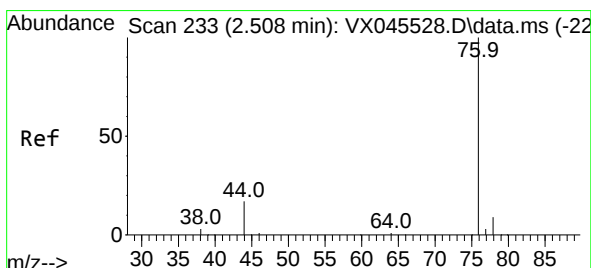
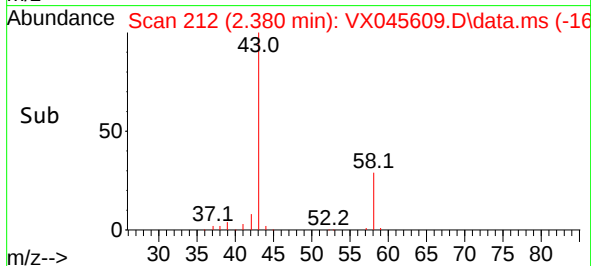
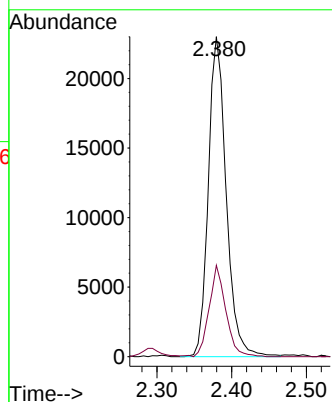
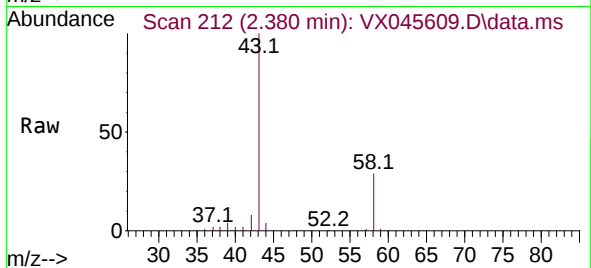
TT-3

Tgt Ion: 43 Resp: 38246

Ion Ratio Lower Upper

43 100

58 28.6 22.3 33.5



#17

Carbon Disulfide

Concen: 0.412 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.006 min

Lab File: VX045609.D

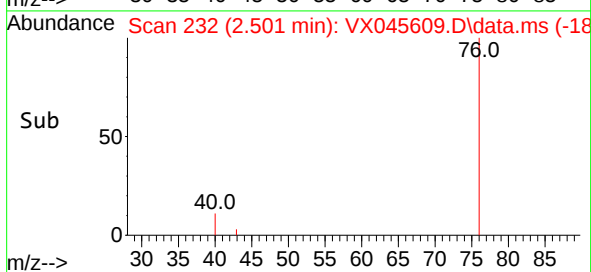
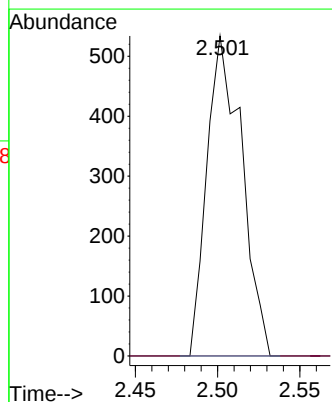
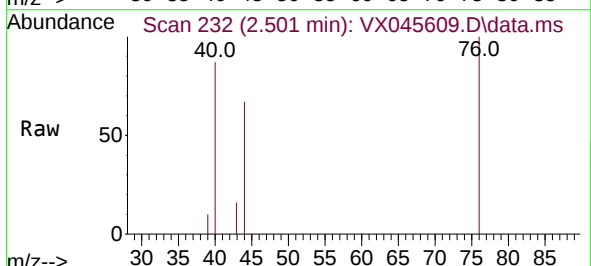
Acq: 04 Apr 2025 19:01

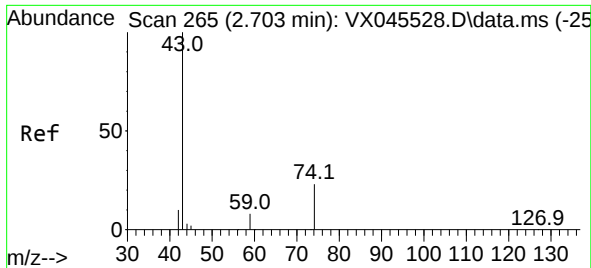
Tgt Ion: 76 Resp: 786

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

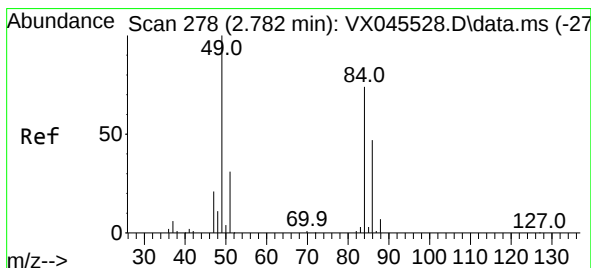
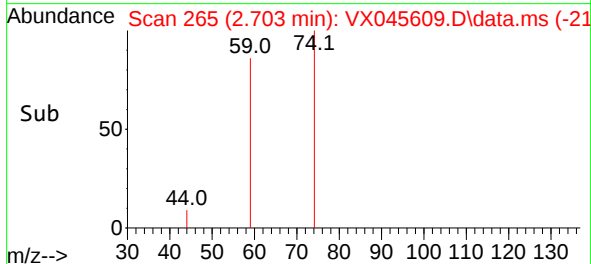
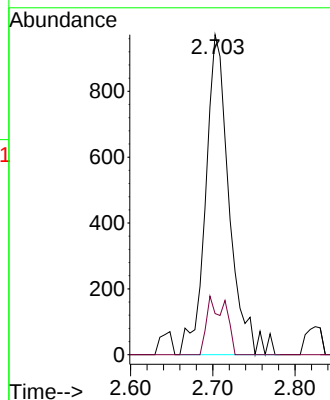
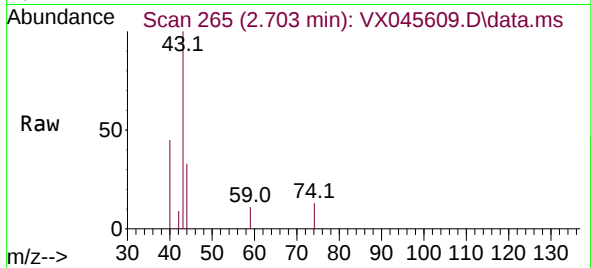




#18
Methyl Acetate
Concen: 1.748 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

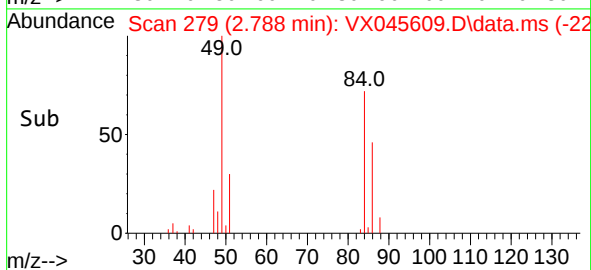
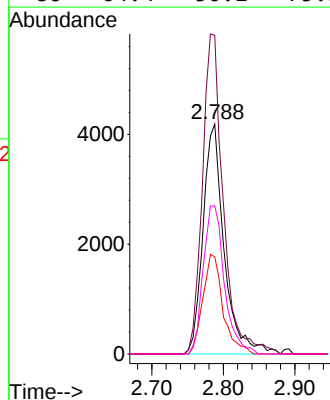
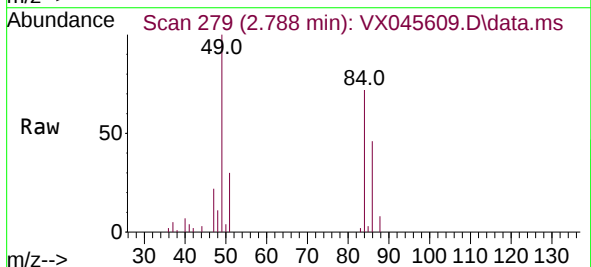
Instrument :
MSVOA_X
ClientSampleId :
TT-3

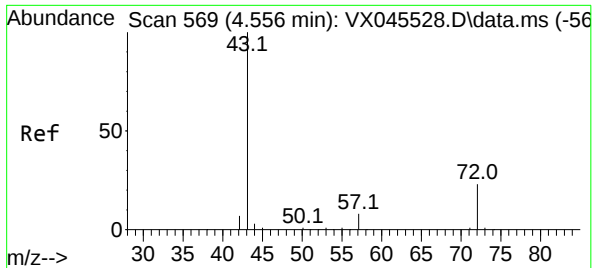
Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
74 14.2 17.5 26.3#



#20
Methylene Chloride
Concen: 9.526 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 84 Resp: 8607
Ion Ratio Lower Upper
84 100
49 138.6 107.5 161.3
51 42.2 33.0 49.6
86 64.4 50.1 75.1

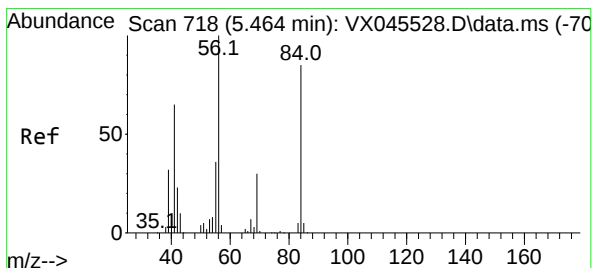
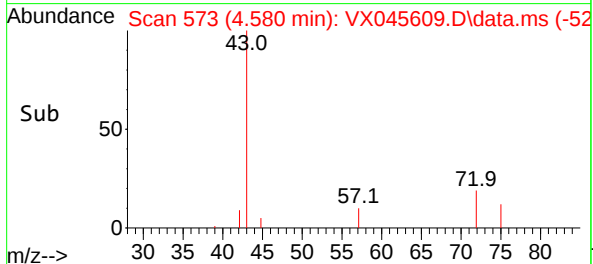
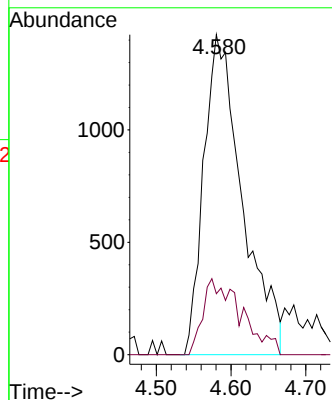
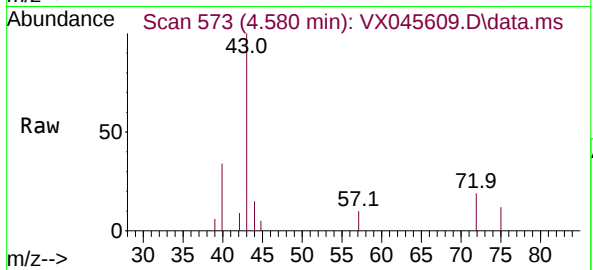




#25
2-Butanone
Concen: 7.241 ug/l
RT: 4.580 min Scan# 5116
Delta R.T. 0.024 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

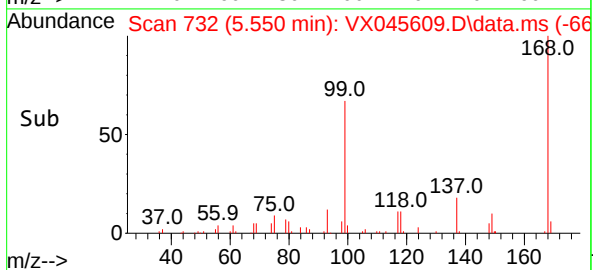
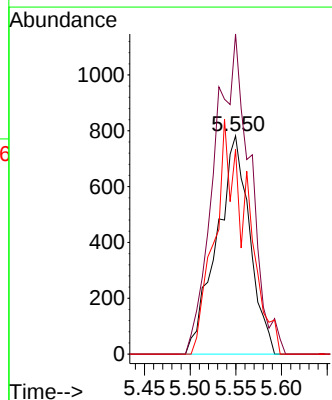
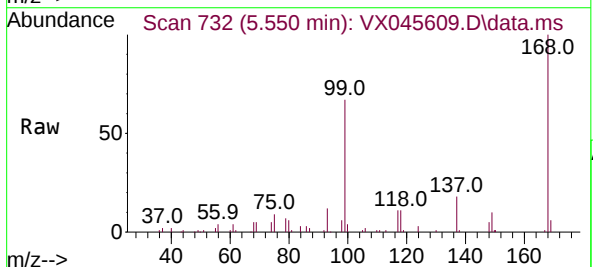
Instrument :
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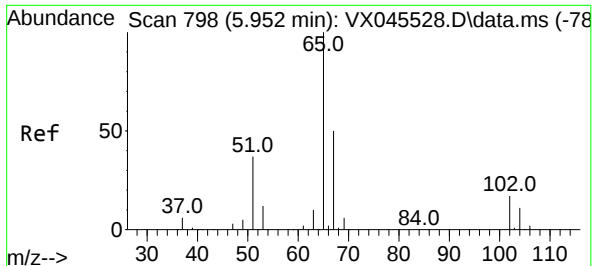
Tgt Ion: 43 Resp: 5116
Ion Ratio Lower Upper
43 100
72 19.0 18.6 28.0



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 56 Resp: 1962
Ion Ratio Lower Upper
56 100
69 146.7 23.6 35.4#
84 93.7 67.7 101.5

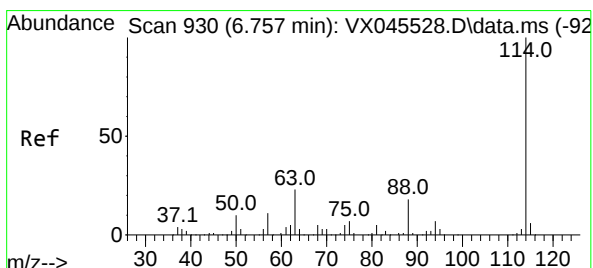
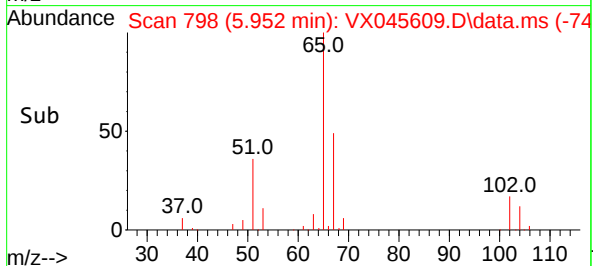
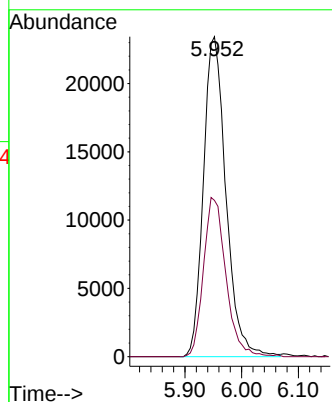
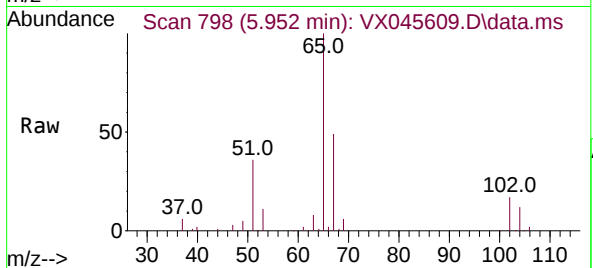




#33
 1,2-Dichloroethane-d4
 Concen: 55.089 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045609.D
 Acq: 04 Apr 2025 19:01

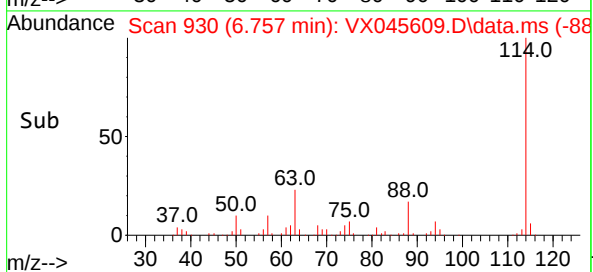
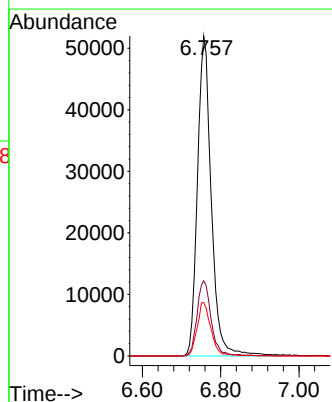
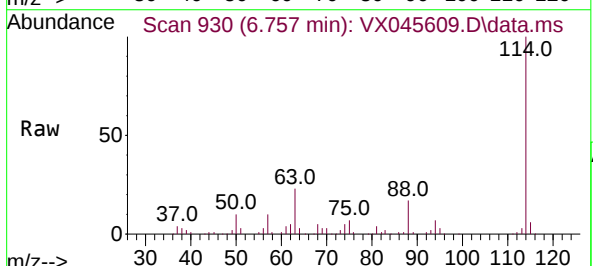
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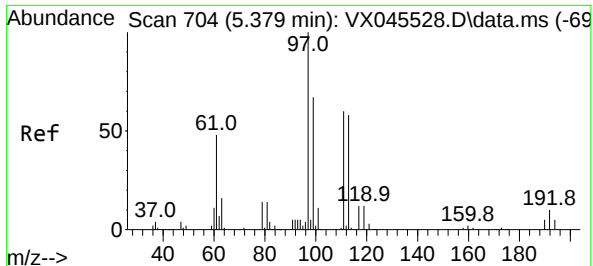
Tgt Ion: 65 Resp: 64751
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045609.D
 Acq: 04 Apr 2025 19:01

Tgt Ion: 114 Resp: 127859
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.8
 88 16.7 0.0 35.4

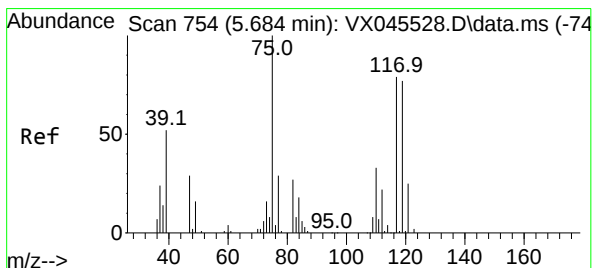
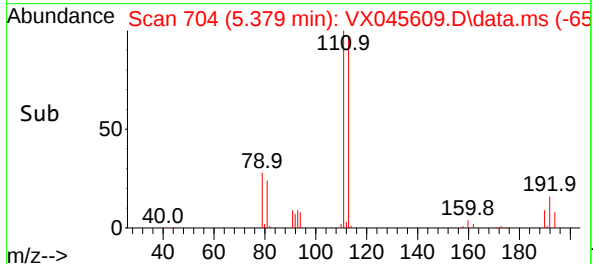
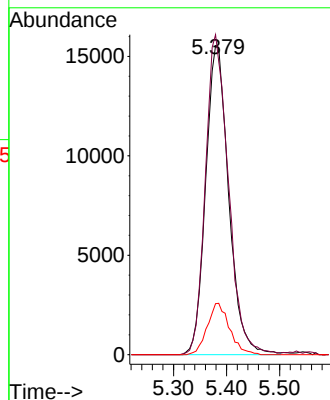
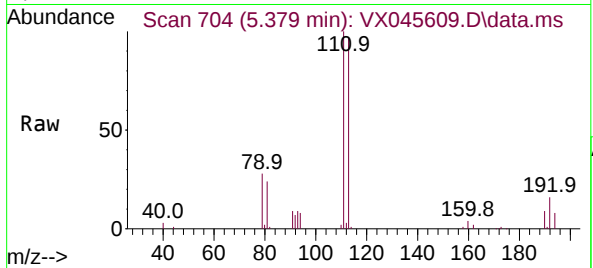




#35
Dibromofluoromethane
Concen: 51.732 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

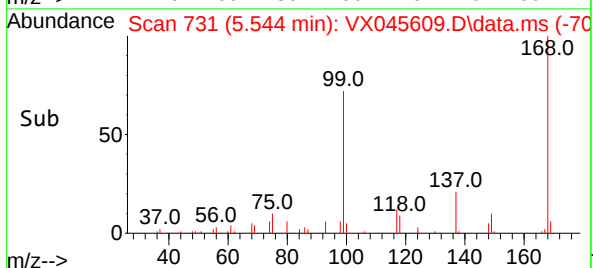
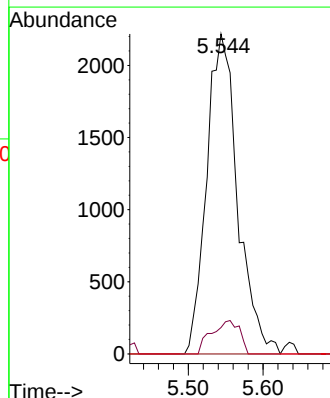
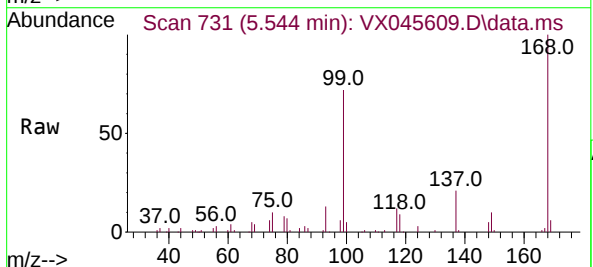
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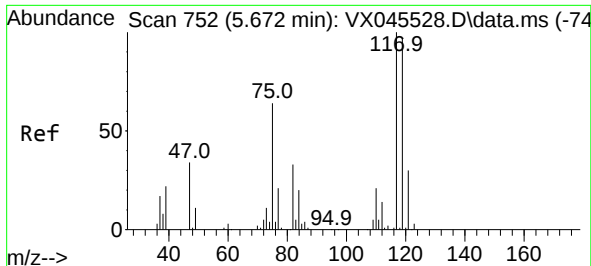
Tgt Ion:113 Resp: 46929
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 16.1 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.225 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

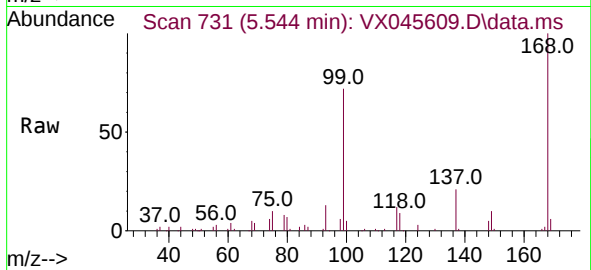
Tgt Ion: 75 Resp: 6400
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.6#
77 0.0 25.0 37.4#



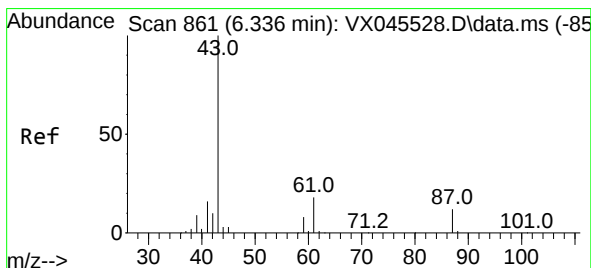
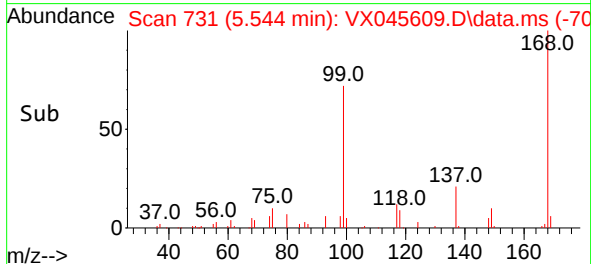
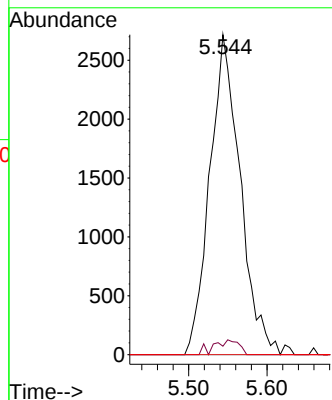


#38
Carbon Tetrachloride
Concen: 5.541 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
TT-3

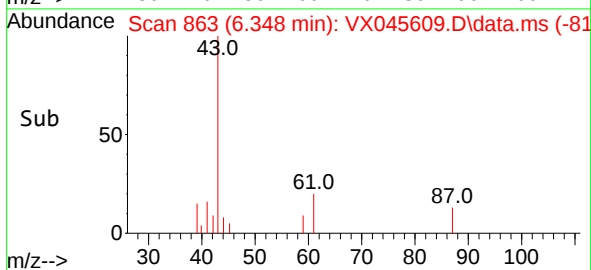
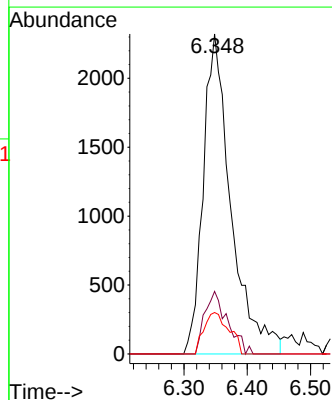
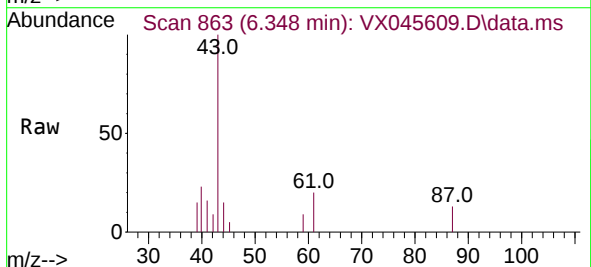


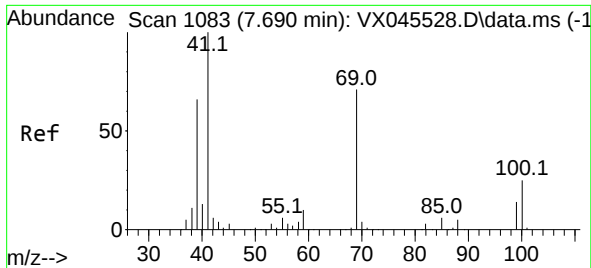
Tgt Ion:117 Resp: 7335
Ion Ratio Lower Upper
117 100
119 2.6 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.033 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 43 Resp: 7096
Ion Ratio Lower Upper
43 100
61 16.1 14.1 21.1
87 11.6 9.2 13.8

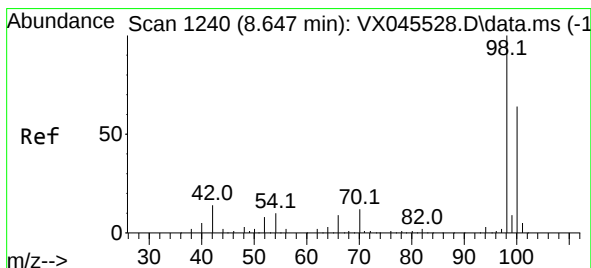
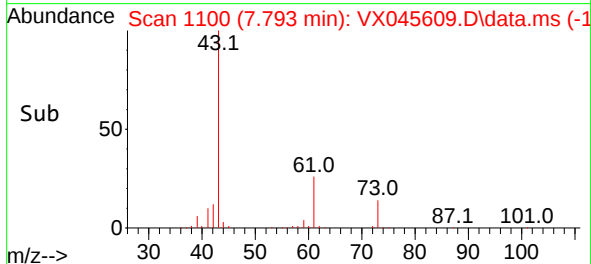
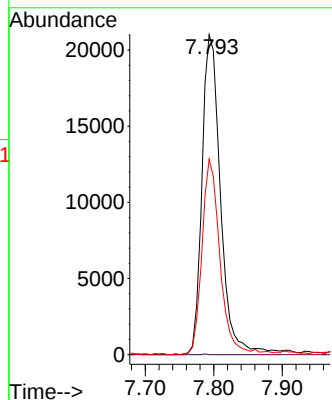
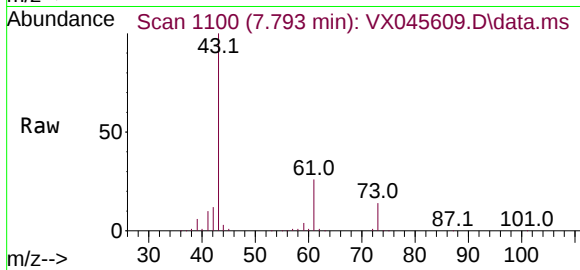




#48
Methyl methacrylate
Concen: 32.777 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

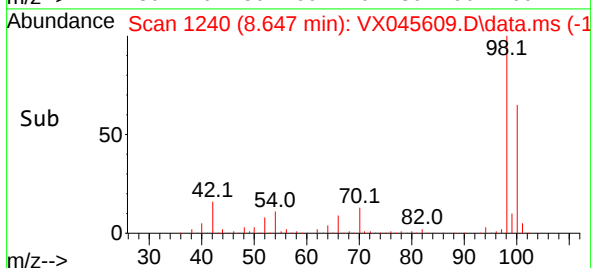
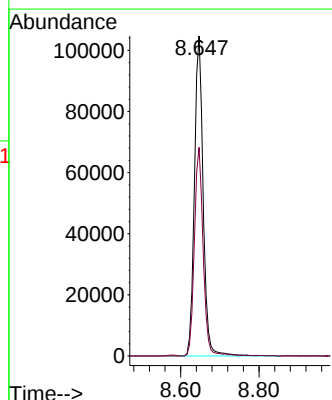
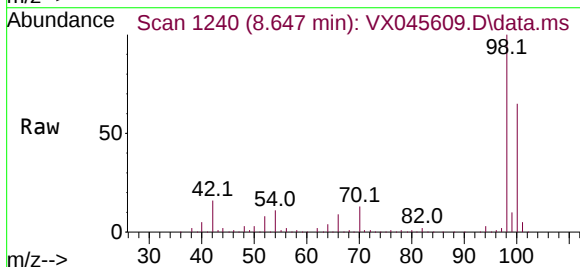
Instrument :
MSVOA_X
ClientSampleId :
TT-3

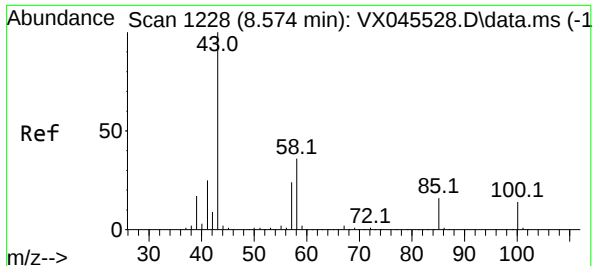
Tgt Ion: 41 Resp: 39592
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.7 53.6 80.4



#50
Toluene-d8
Concen: 51.448 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 98 Resp: 162903
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4

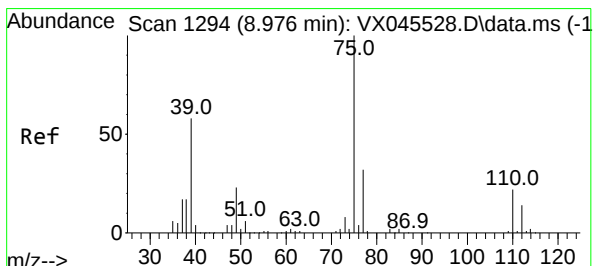
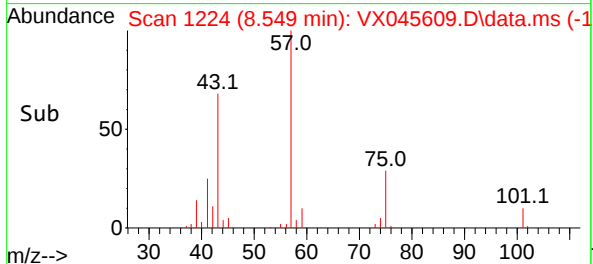
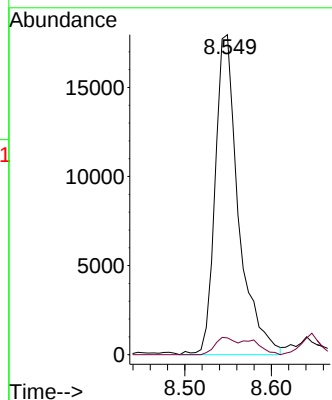
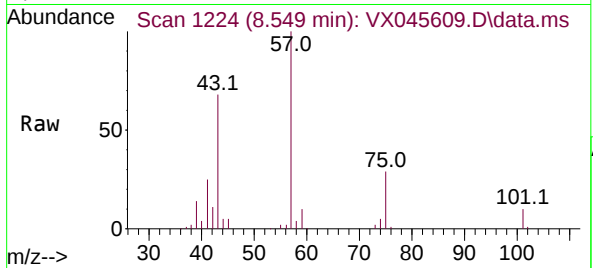




#51
4-Methyl-2-Pentanone
Concen: 21.724 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

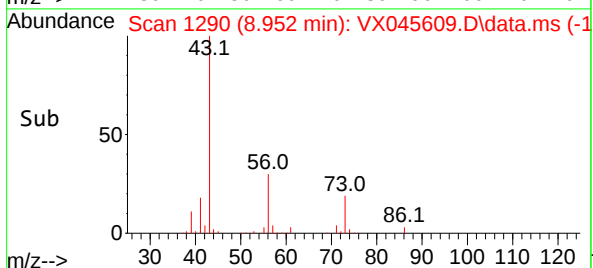
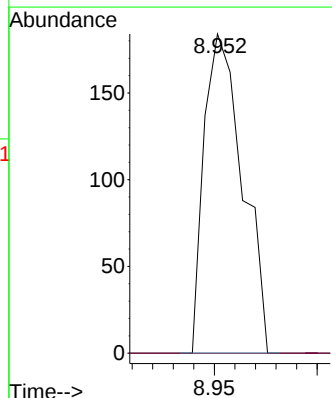
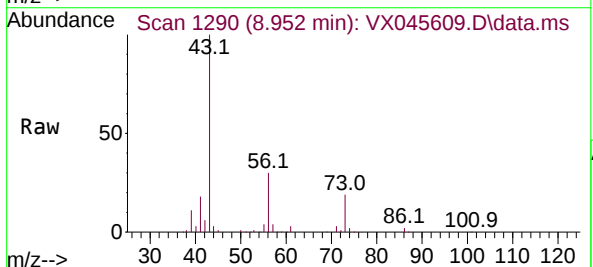
Instrument :
MSVOA_X
ClientSampleId :
TT-3

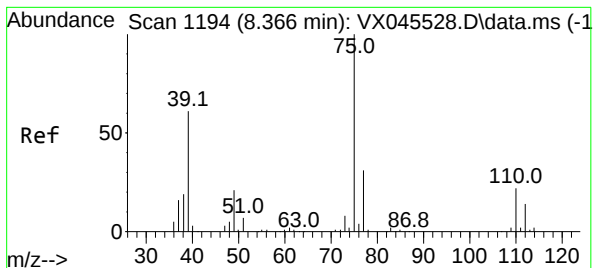
Tgt Ion: 43 Resp: 33691
Ion Ratio Lower Upper
43 100
58 4.9 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.456 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 75 Resp: 240
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 9.089 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX045609.D

Acq: 04 Apr 2025 19:01

Instrument :

MSVOA_X

ClientSampleId :

TT-3

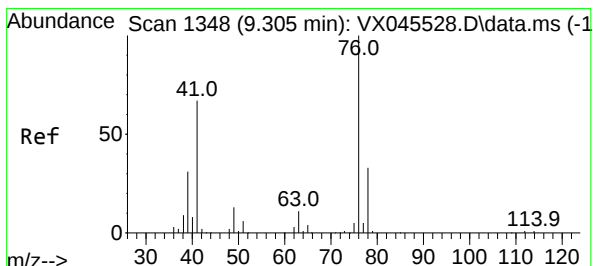
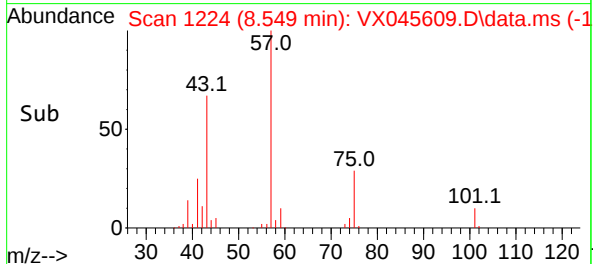
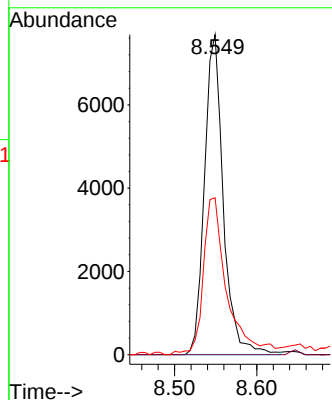
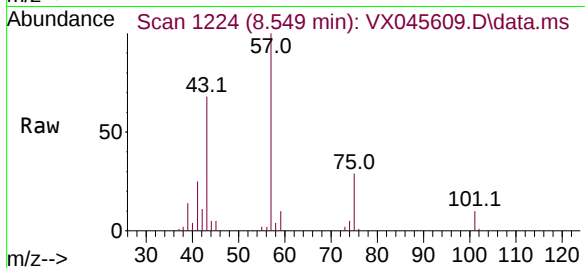
Tgt Ion: 75 Resp: 12221

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 48.3 48.4 72.6#



#57

1,3-Dichloropropane

Concen: 0.798 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.171 min

Lab File: VX045609.D

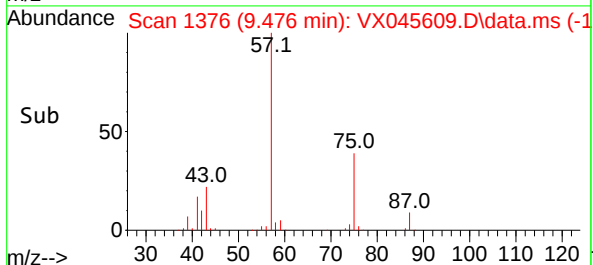
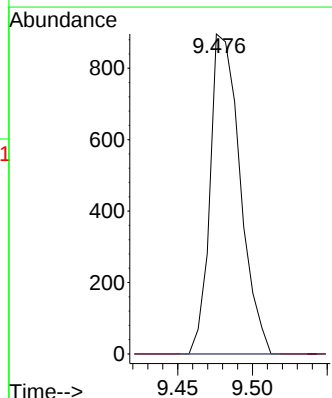
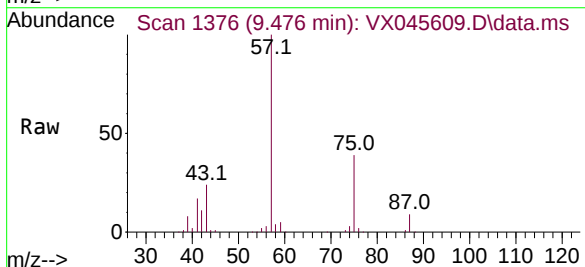
Acq: 04 Apr 2025 19:01

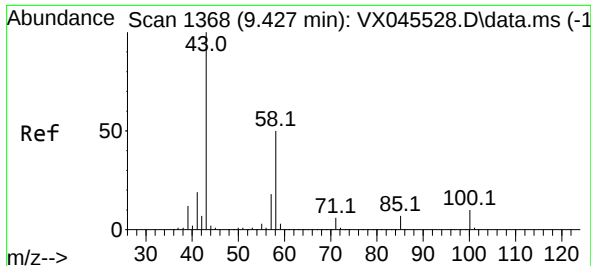
Tgt Ion: 76 Resp: 1253

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

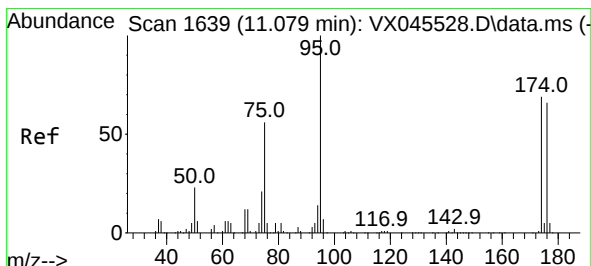
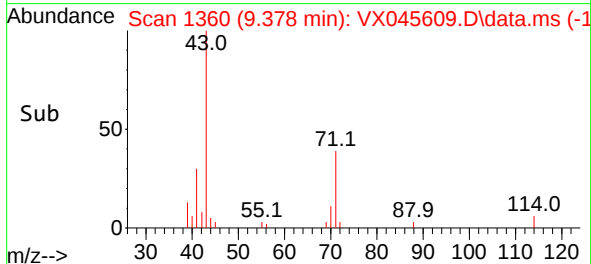
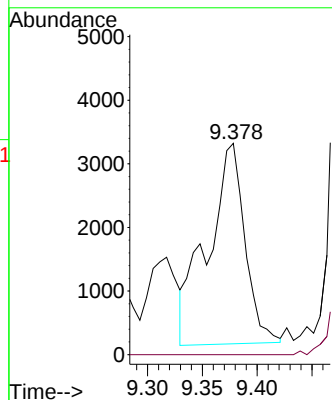
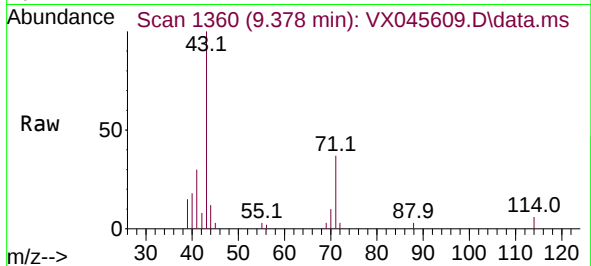




#59
2-Hexanone
Concen: 6.473 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

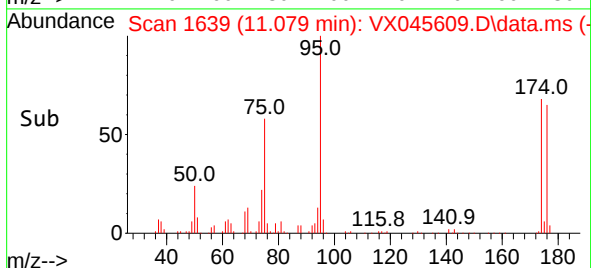
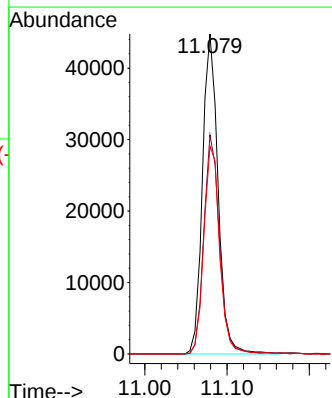
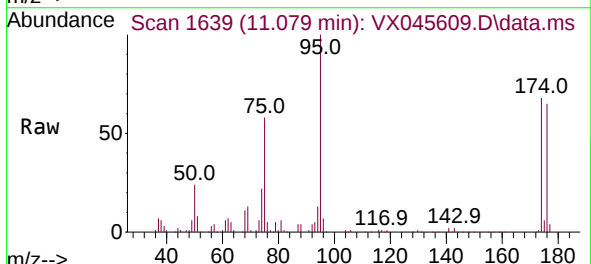
Instrument :
MSVOA_X
ClientSampleId :
TT-3

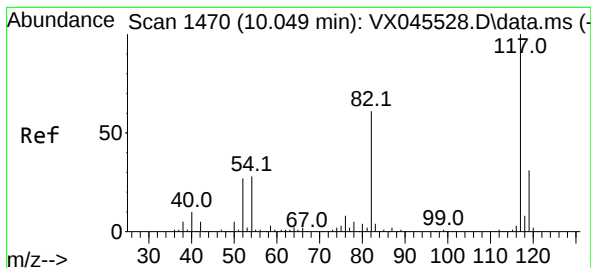
Tgt Ion: 43 Resp: 7434
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.202 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 95 Resp: 59053
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.8
176 66.1 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: VX045609.D

Acq: 04 Apr 2025 19:01

Instrument :

MSVOA_X

ClientSampleId :

TT-3

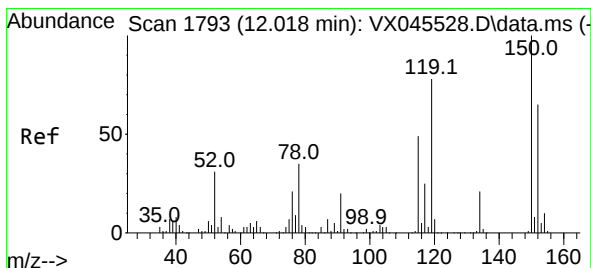
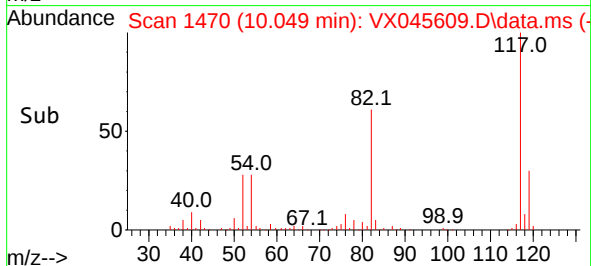
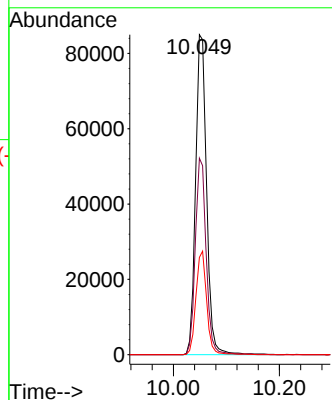
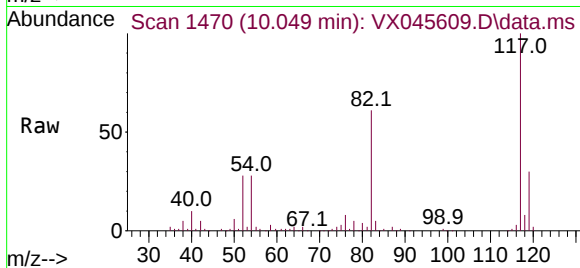
Tgt Ion:117 Resp: 122107

Ion Ratio Lower Upper

117 100

82 61.4 49.2 73.8

119 30.4 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: VX045609.D

Acq: 04 Apr 2025 19:01

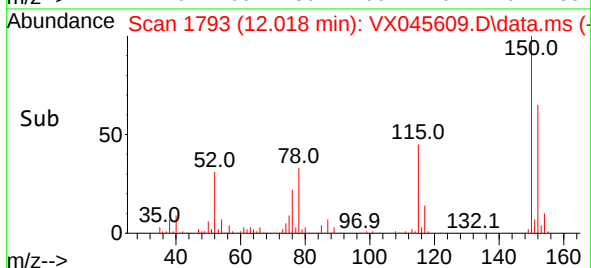
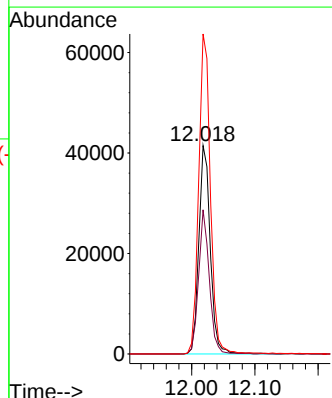
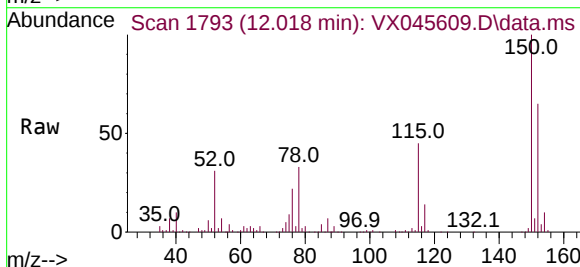
Tgt Ion:152 Resp: 52275

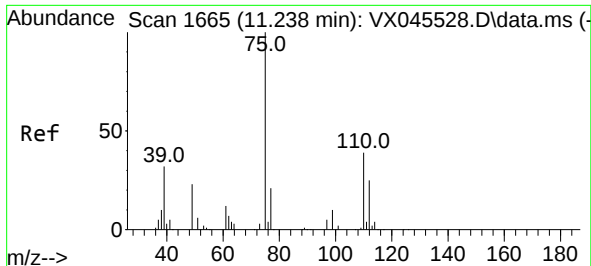
Ion Ratio Lower Upper

152 100

115 64.9 46.9 140.7

150 156.7 0.0 349.4

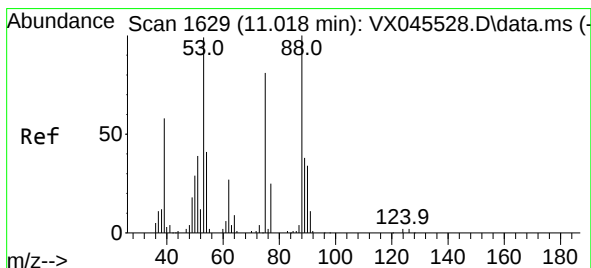
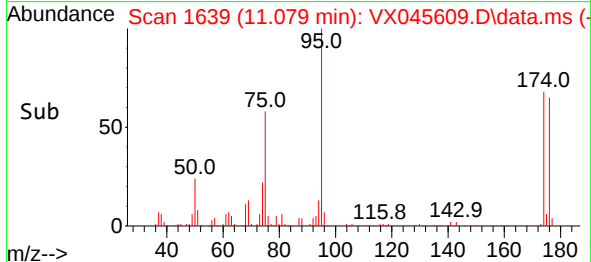
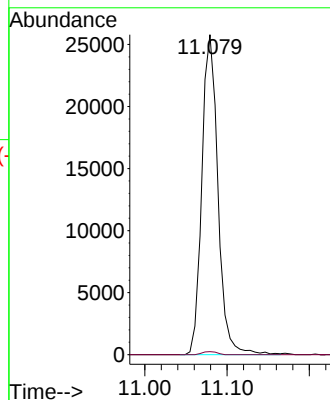
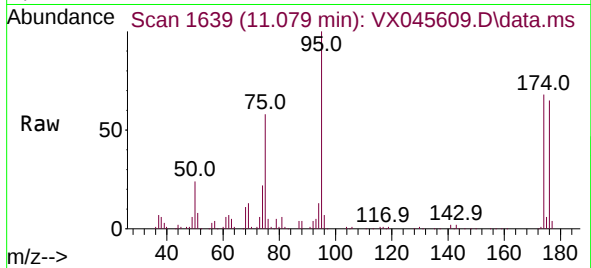




#76
1,2,3-Trichloropropane
Concen: 27.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
TT-3

Tgt Ion: 75 Resp: 35121
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045609.D
Acq: 04 Apr 2025 19:01

Tgt Ion: 75 Resp: 35121
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

