

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047002.D
 Acq On : 15 Jul 2025 15:20
 Operator : JC/MD
 Sample : Q2571-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-18

Quant Time: Jul 16 02:27:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

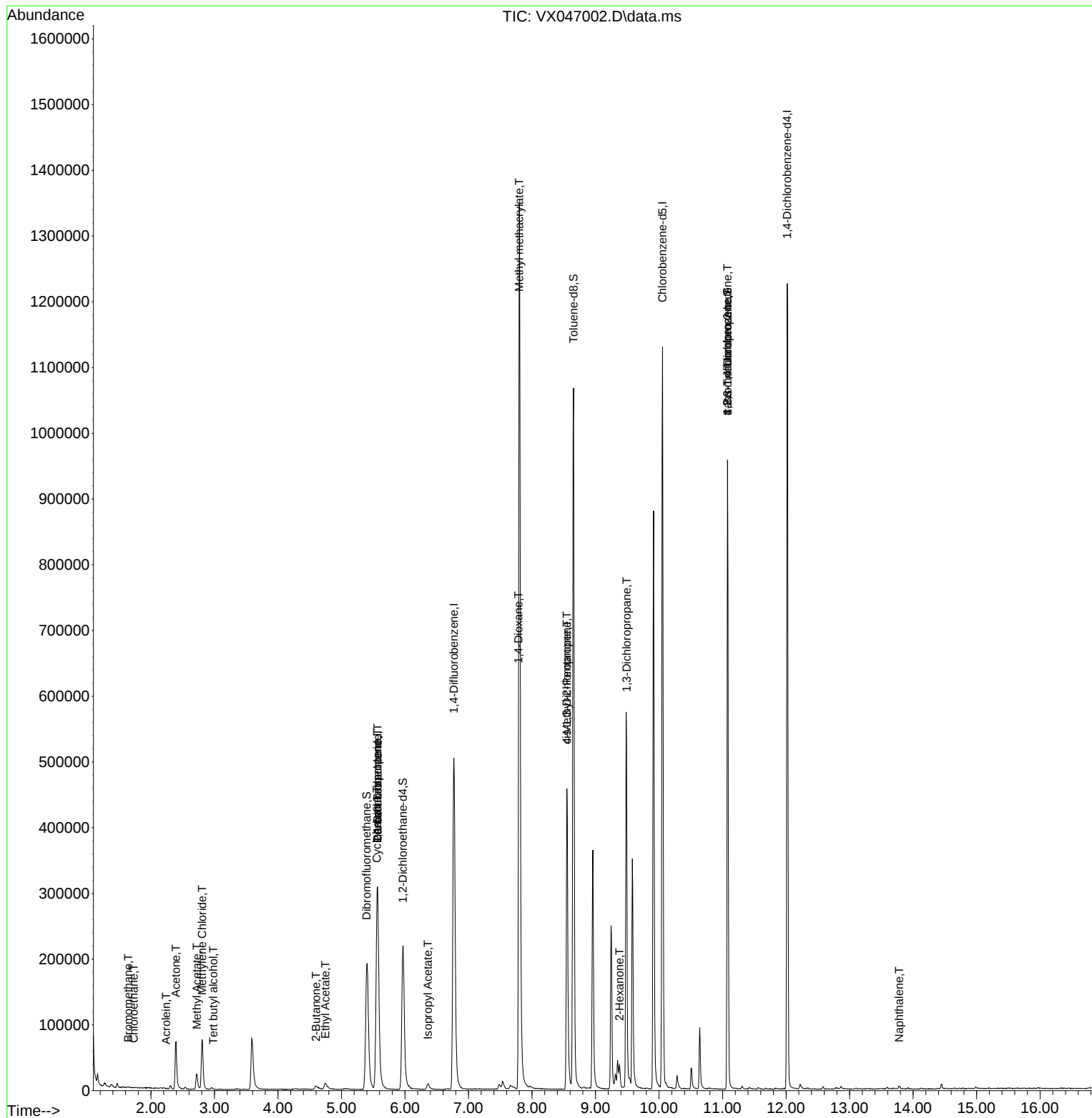
Internal Standards						
1) Pentafluorobenzene	5.568	168	312757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	548281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	491131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	249980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	232403	56.247	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.500%
35) Dibromofluoromethane	5.397	113	185740	49.907	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.820%
50) Toluene-d8	8.653	98	641928	48.886	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.780%
62) 4-Bromofluorobenzene	11.079	95	254982	51.093	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.180%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	680	0.297	ug/l	87
6) Chloroethane	1.727	64	652	0.277	ug/l #	42
11) Tert butyl alcohol	2.983	59	788	2.908	ug/l #	72
13) Acrolein	2.239	56	150	3.330	ug/l #	15
16) Acetone	2.392	43	87300	68.021	ug/l	90
18) Methyl Acetate	2.721	43	36011	10.645	ug/l	94
20) Methylene Chloride	2.806	84	37554	9.895	ug/l	97
25) 2-Butanone	4.599	43	12346	7.210	ug/l	95
31) Cyclohexane	5.556	56	6489	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	25658	5.110	ug/l #	51
37) Ethyl Acetate	4.745	43	17190	4.019	ug/l #	96
38) Carbon Tetrachloride	5.568	117	32726	6.165	ug/l #	16
43) Isopropyl Acetate	6.361	43	14488	2.212	ug/l #	85
48) Methyl methacrylate	7.799	41	123658	36.558	ug/l #	44
49) 1,4-Dioxane	7.787	88	97	2.475	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	172480	44.613	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	77617	13.421	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	5335	0.884	ug/l #	42
59) 2-Hexanone	9.378	43	24298	9.475	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	131198	33.967	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	131198	91.150	ug/l #	8
95) Naphthalene	13.780	128	3885	0.274	ug/l #	94

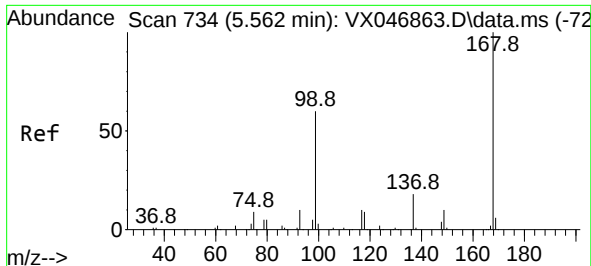
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

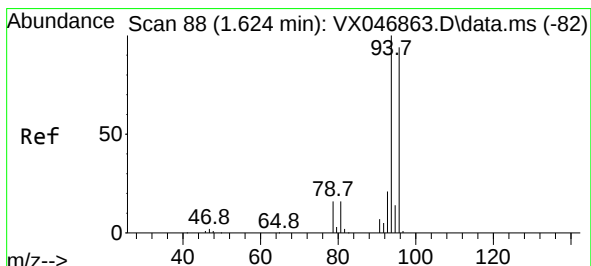
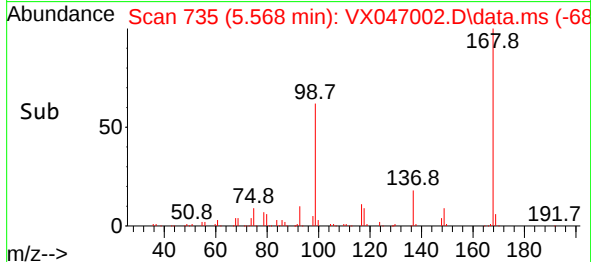
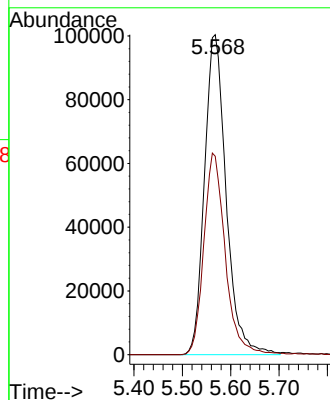
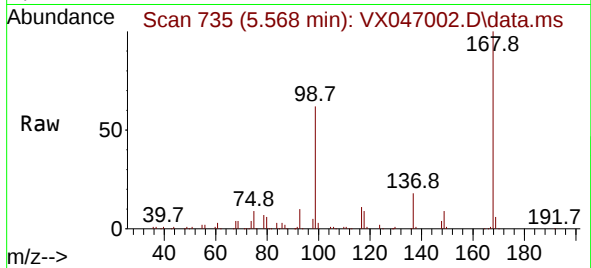




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

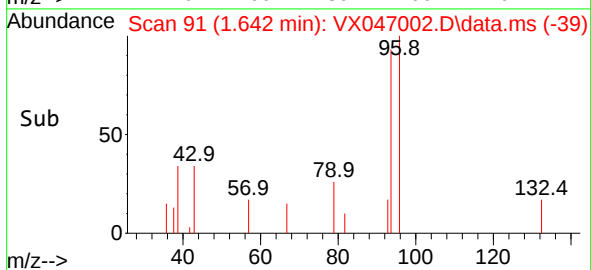
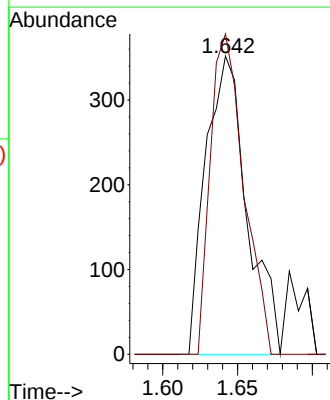
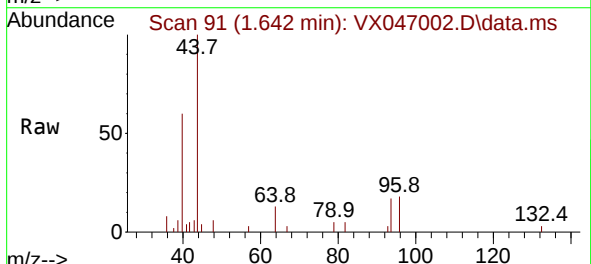
Instrument :
MSVOA_X
ClientSampleId :
TP-18

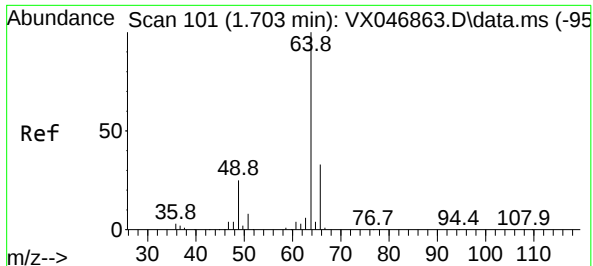
Tgt Ion:168 Resp: 312757
Ion Ratio Lower Upper
168 100
99 62.0 48.8 73.2



#5
Bromomethane
Concen: 0.297 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 94 Resp: 680
Ion Ratio Lower Upper
94 100
96 107.4 75.5 113.3

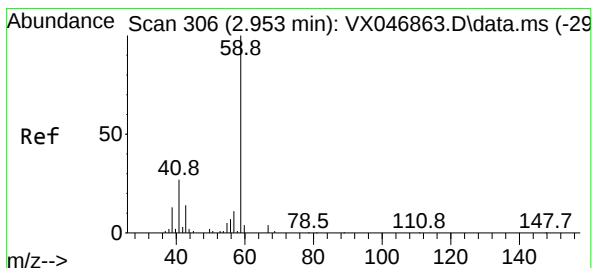
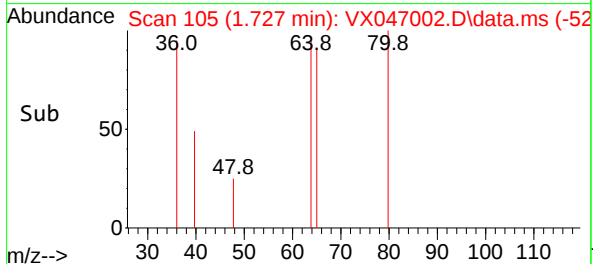
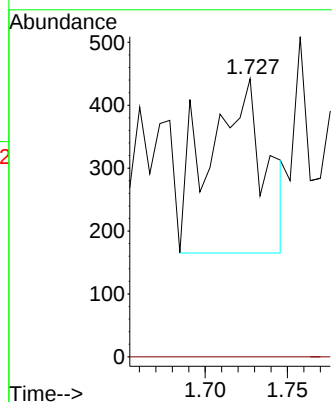
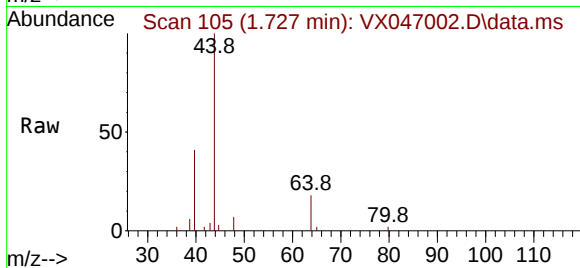




#6
Chloroethane
Concen: 0.277 ug/l
RT: 1.727 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

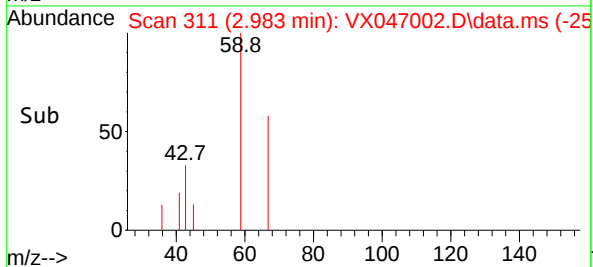
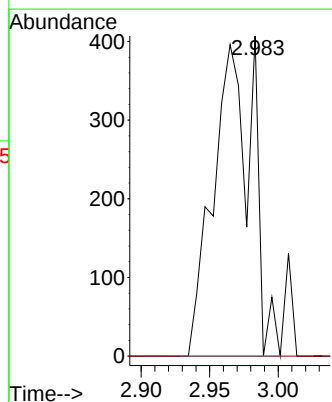
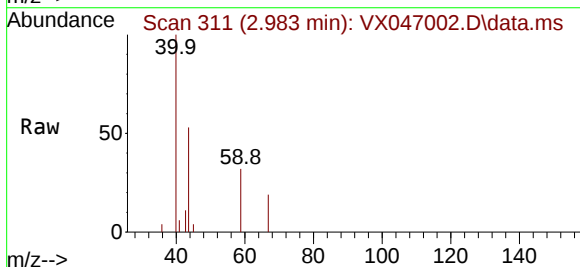
Instrument :
MSVOA_X
ClientSampleId :
TP-18

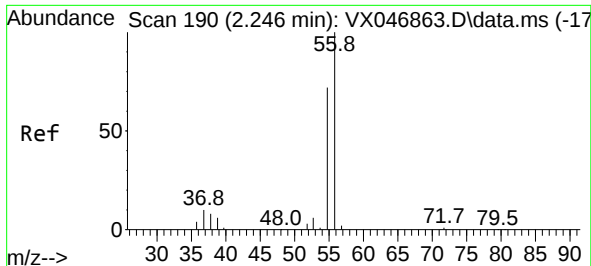
Tgt Ion: 64 Resp: 652
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 2.908 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.030 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 59 Resp: 788
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

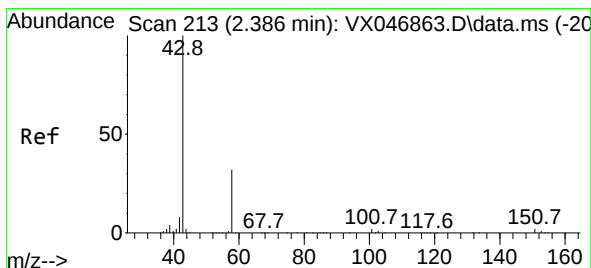
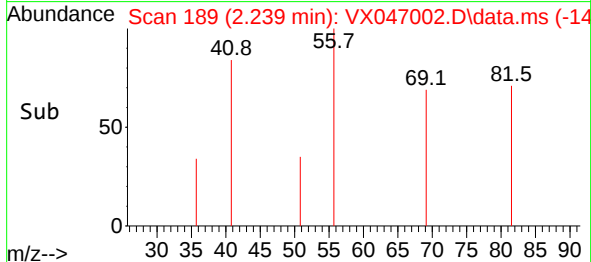
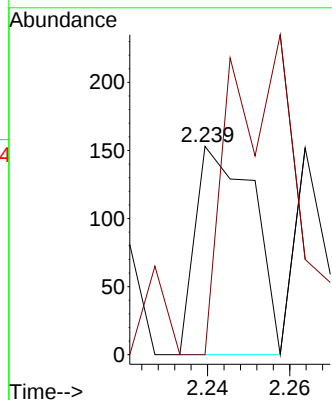
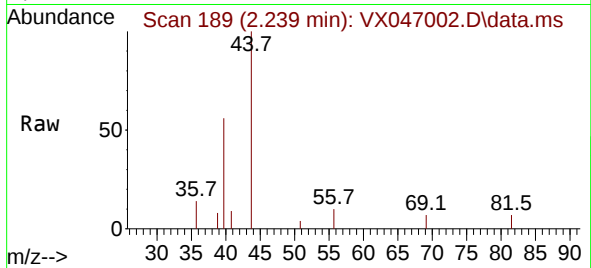




#13
Acrolein
Concen: 3.330 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

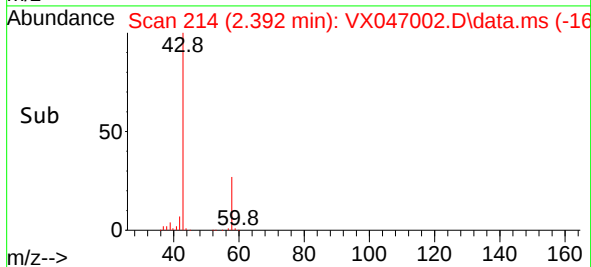
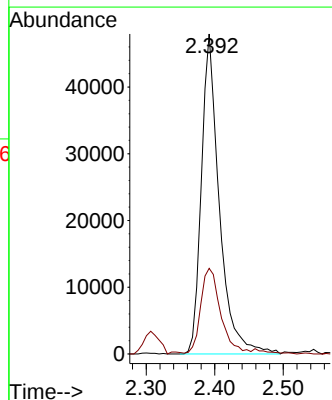
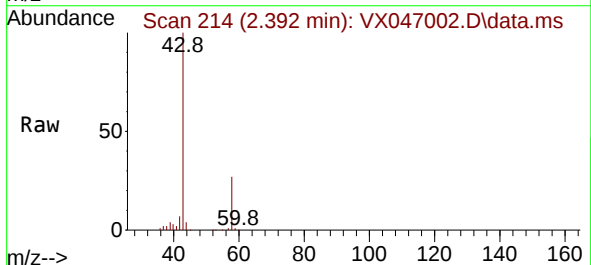
Instrument :
MSVOA_X
ClientSampleId :
TP-18

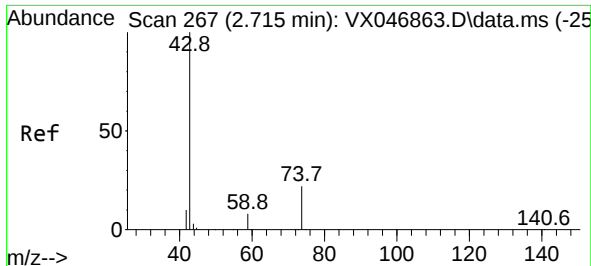
Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



#16
Acetone
Concen: 68.021 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 43 Resp: 87300
Ion Ratio Lower Upper
43 100
58 26.5 25.8 38.6

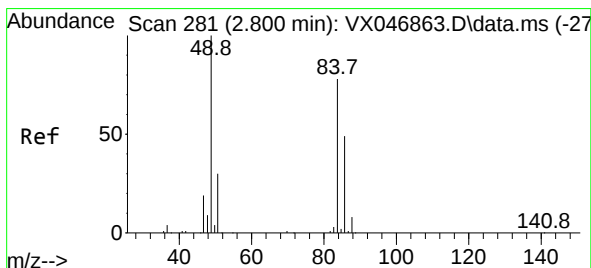
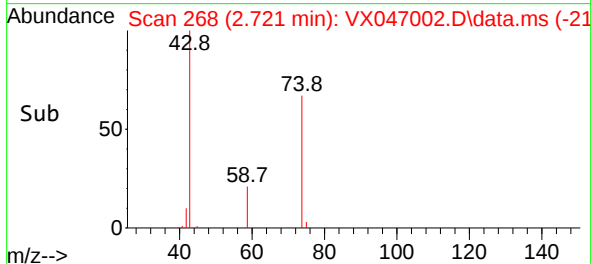
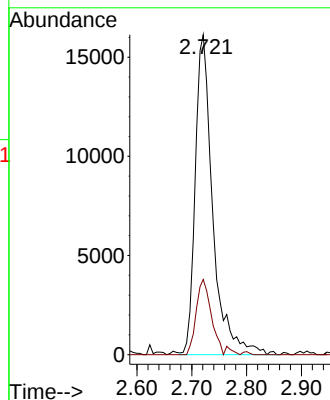
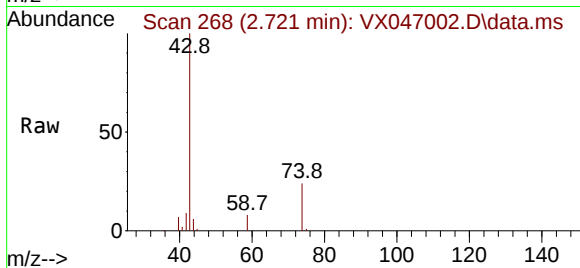




#18
Methyl Acetate
Concen: 10.645 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

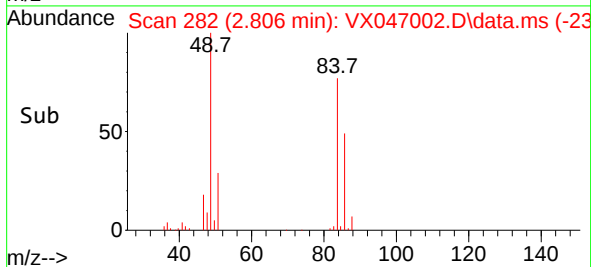
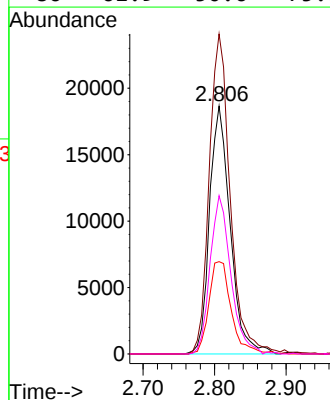
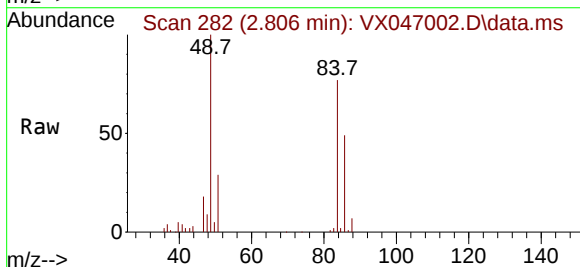
Instrument :
MSVOA_X
ClientSampleId :
TP-18

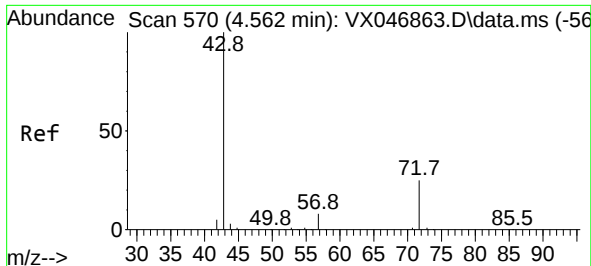
Tgt Ion: 43 Resp: 36011
Ion Ratio Lower Upper
43 100
74 20.0 18.3 27.5



#20
Methylene Chloride
Concen: 9.895 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 84 Resp: 37554
Ion Ratio Lower Upper
84 100
49 125.1 102.8 154.2
51 36.1 31.1 46.7
86 61.9 50.6 75.8





#25

2-Butanone

Concen: 7.210 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

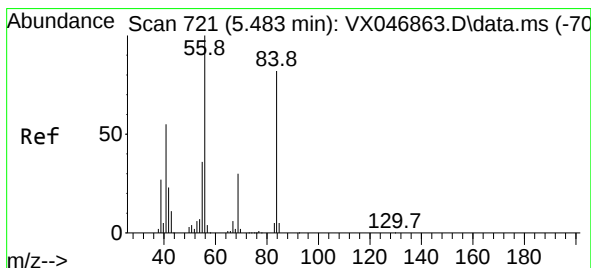
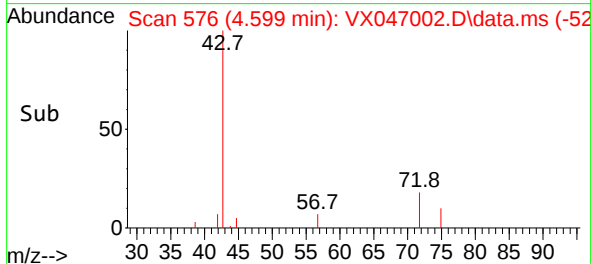
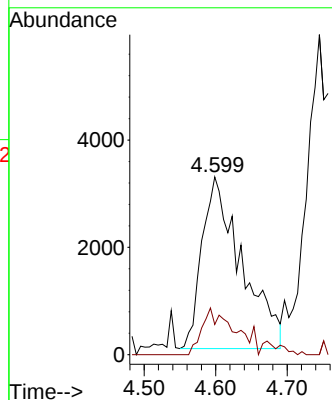
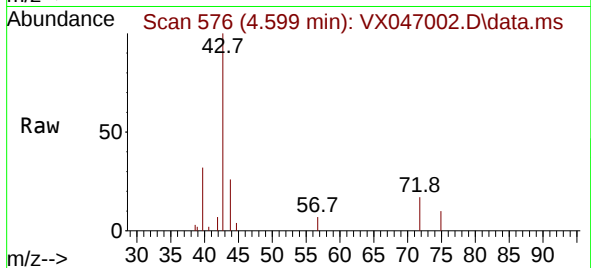
TP-18

Tgt Ion: 43 Resp: 12346

Ion Ratio Lower Upper

43 100

72 22.5 20.0 30.0



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

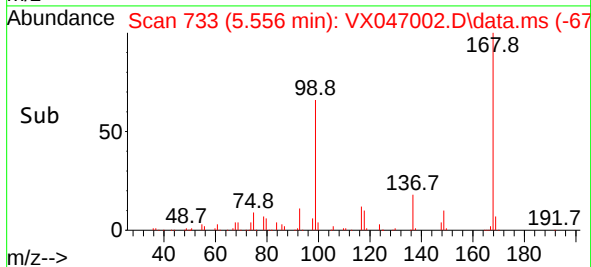
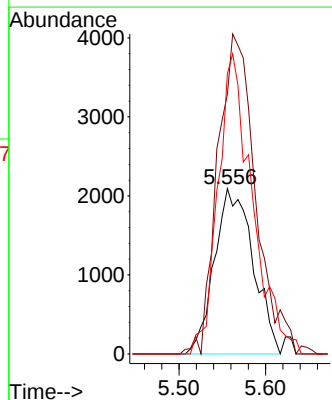
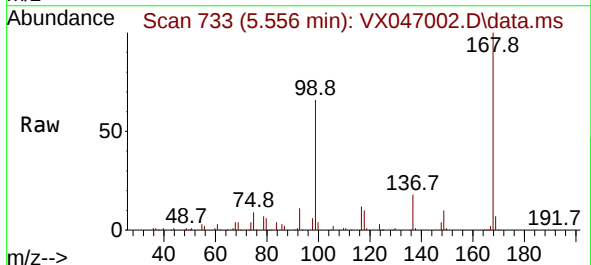
Tgt Ion: 56 Resp: 6489

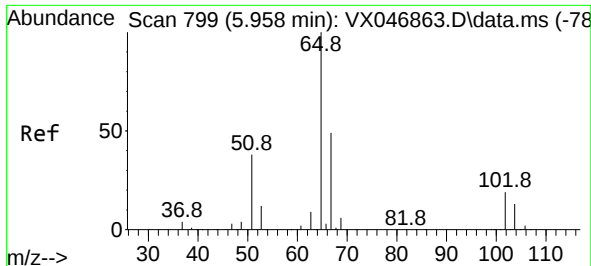
Ion Ratio Lower Upper

56 100

69 167.3 24.0 36.0#

84 169.7 66.5 99.7#

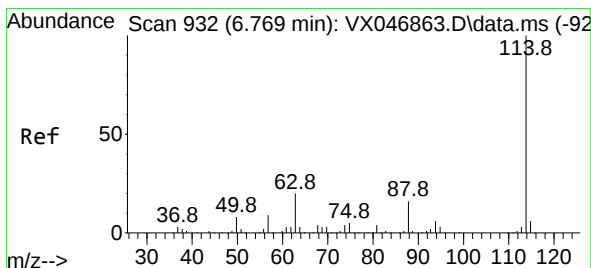
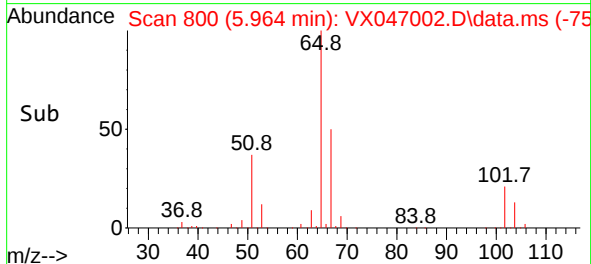
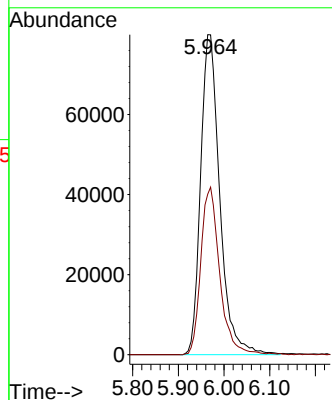
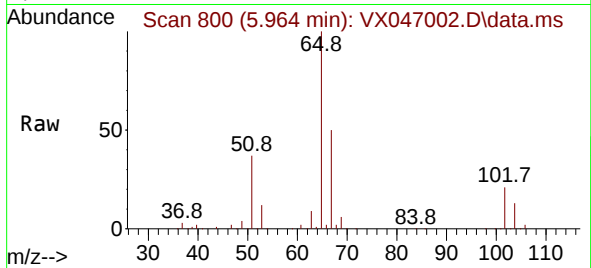




#33
 1,2-Dichloroethane-d4
 Concen: 56.247 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX047002.D
 Acq: 15 Jul 2025 15:20

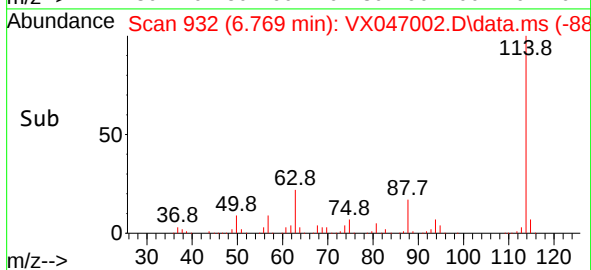
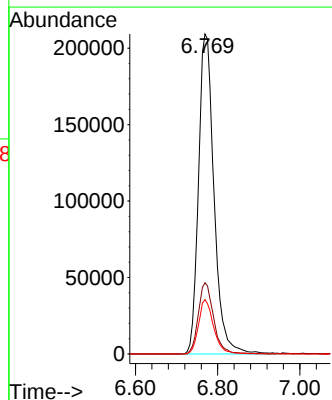
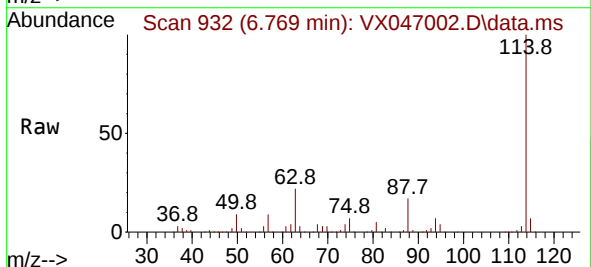
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-18

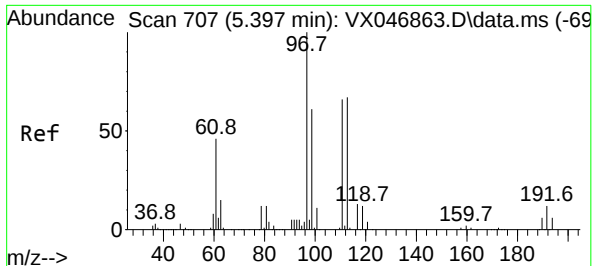
Tgt Ion: 65 Resp: 232403
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX047002.D
 Acq: 15 Jul 2025 15:20

Tgt Ion: 114 Resp: 548281
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 40.4
 88 17.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.907 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

TP-18

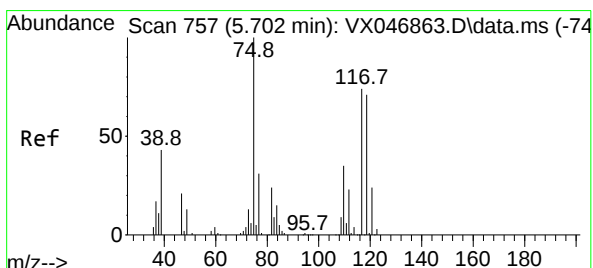
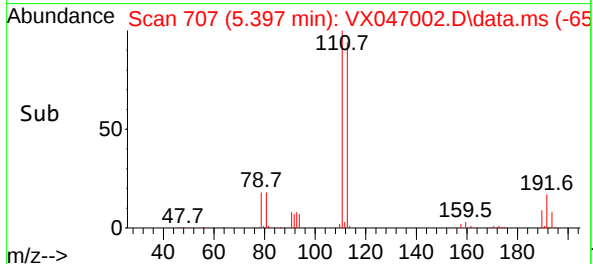
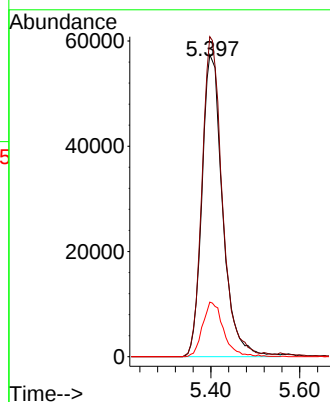
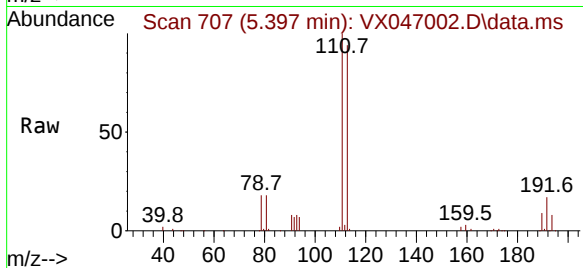
Tgt Ion:113 Resp: 185740

Ion Ratio Lower Upper

113 100

111 103.4 81.2 121.8

192 18.2 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

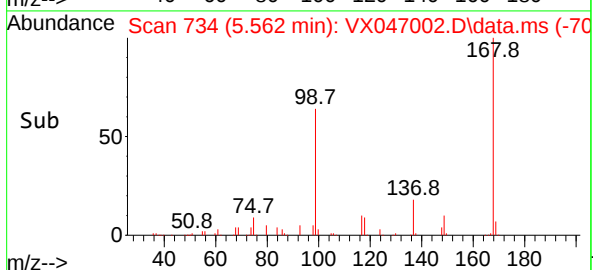
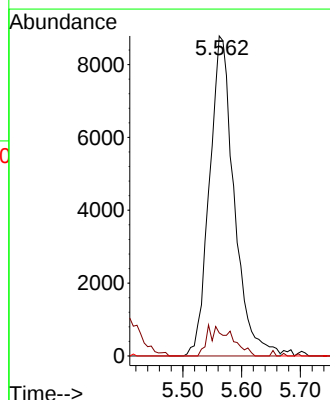
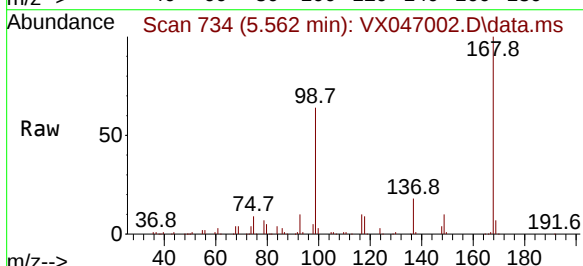
Tgt Ion: 75 Resp: 25658

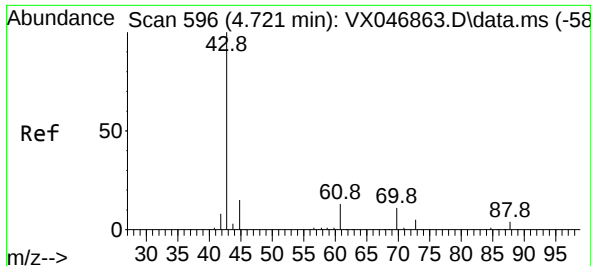
Ion Ratio Lower Upper

75 100

110 9.2 17.3 51.9#

77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 4.019 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

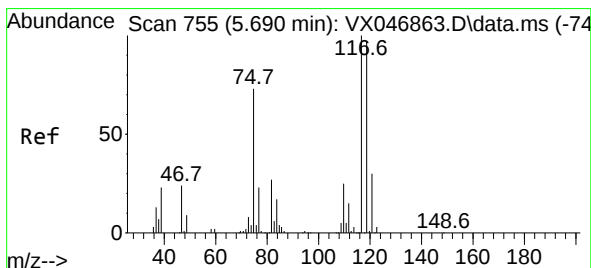
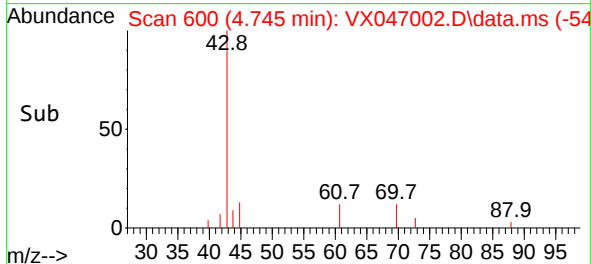
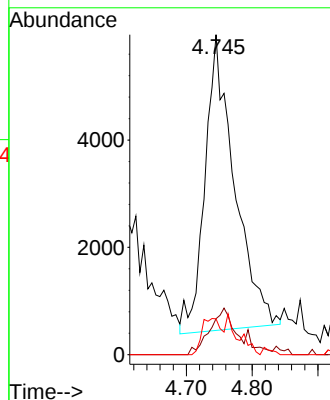
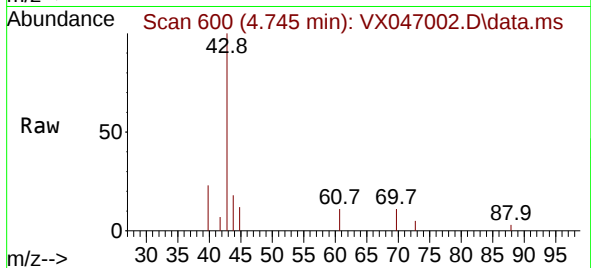
Instrument :

MSVOA_X

ClientSampleId :

TP-18

Tgt Ion:	43	Resp:	17190
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.7	14.5
70	8.2	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.165 ug/l

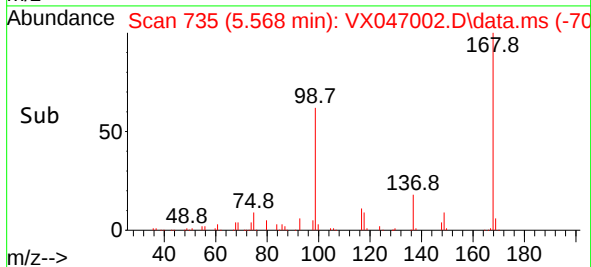
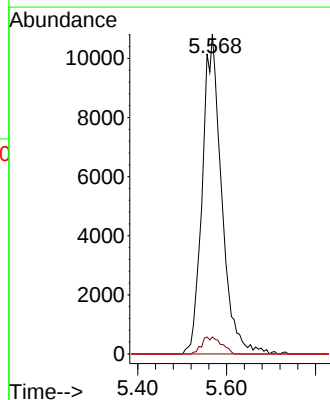
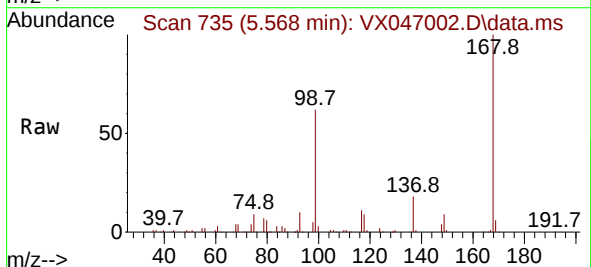
RT: 5.568 min Scan# 735

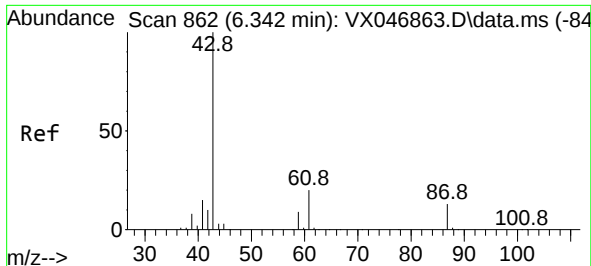
Delta R.T. -0.122 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

Tgt Ion:	117	Resp:	32726
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.6	114.8#
121	0.0	24.1	36.1#

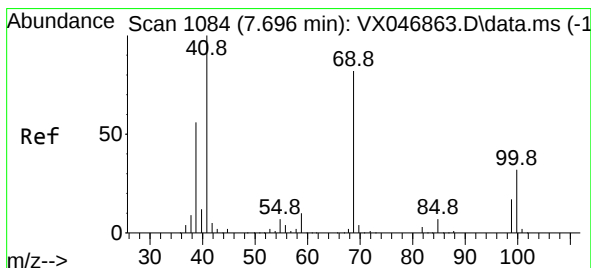
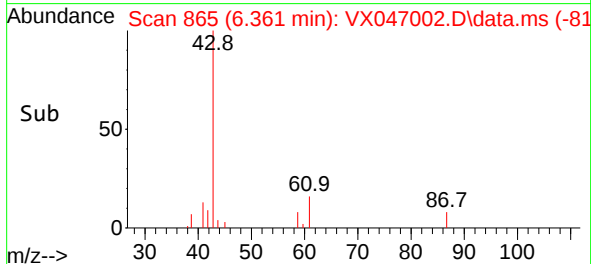
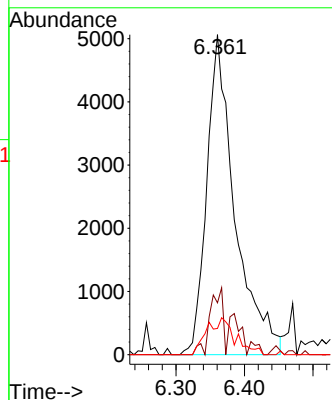
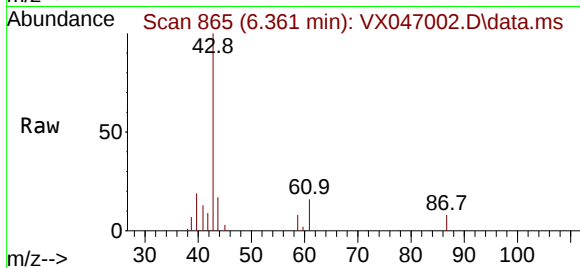




#43
Isopropyl Acetate
Concen: 2.212 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

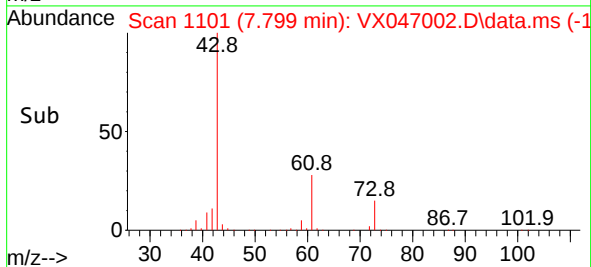
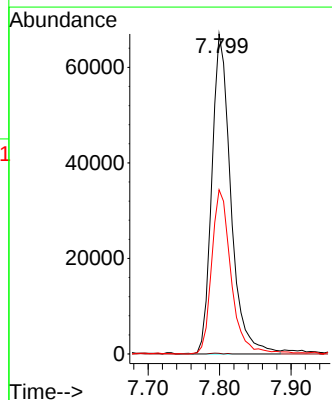
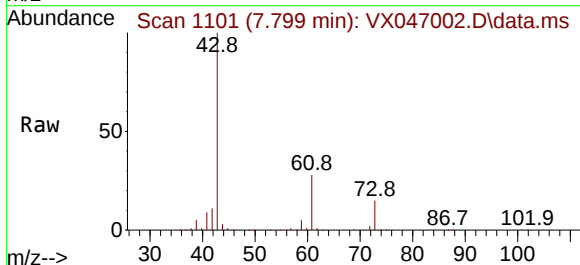
Instrument :
MSVOA_X
ClientSampleId :
TP-18

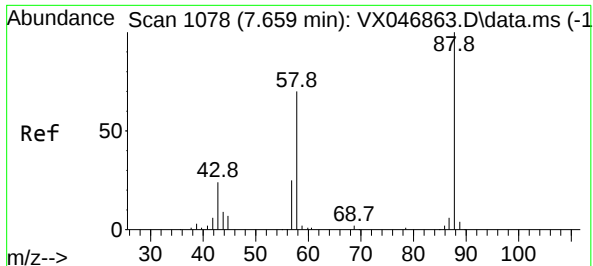
Tgt Ion: 43 Resp: 14488
Ion Ratio Lower Upper
43 100
61 9.4 15.7 23.5#
87 11.6 10.1 15.1



#48
Methyl methacrylate
Concen: 36.558 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 41 Resp: 123658
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 52.5 43.8 65.6





#49

1,4-Dioxane

Concen: 2.475 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.128 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

TP-18

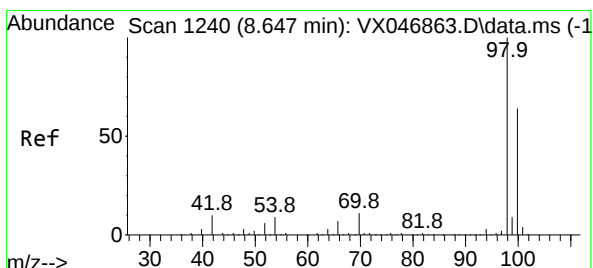
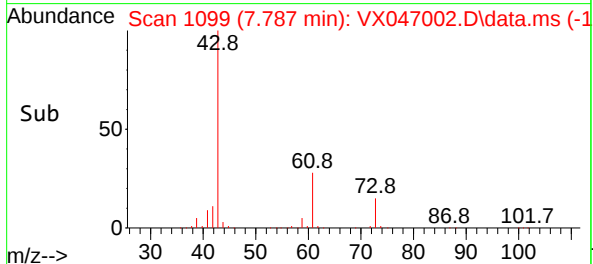
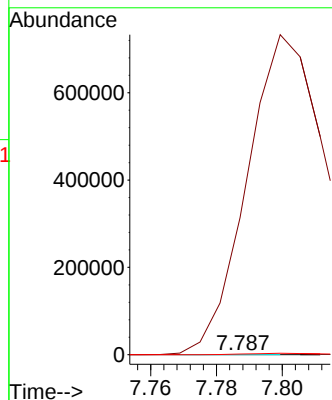
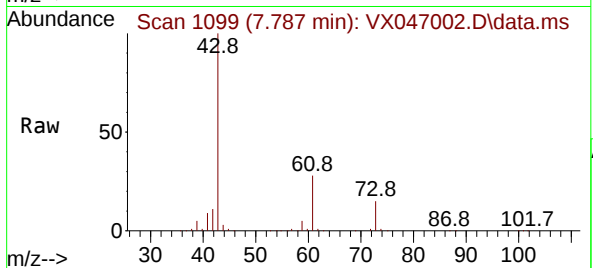
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 1396452.6 31.7 47.5#

58 6107.2 57.5 86.3#



#50

Toluene-d8

Concen: 48.886 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX047002.D

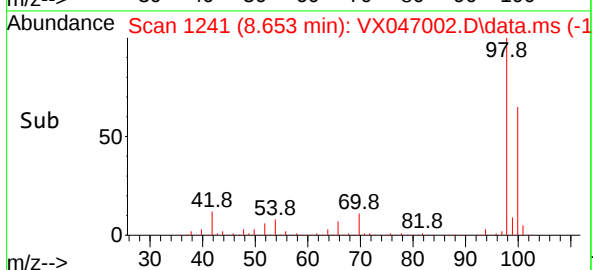
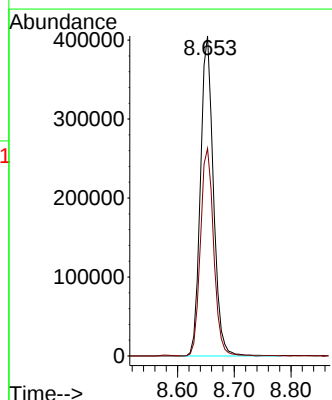
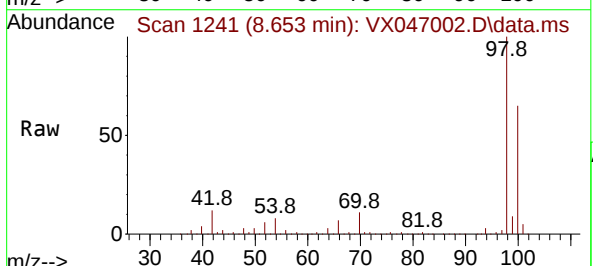
Acq: 15 Jul 2025 15:20

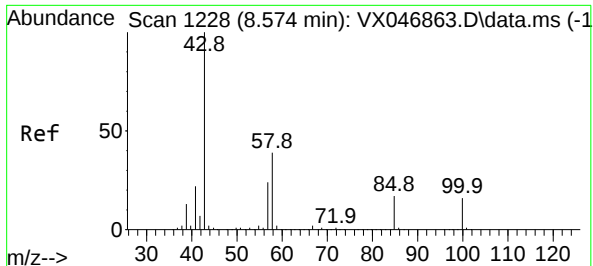
Tgt Ion: 98 Resp: 641928

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.6

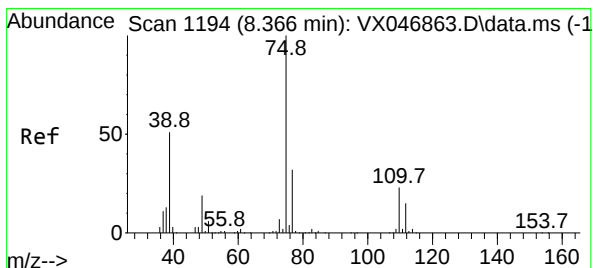
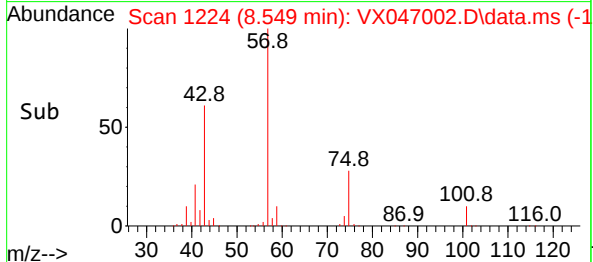
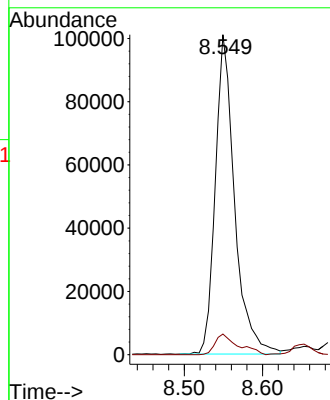
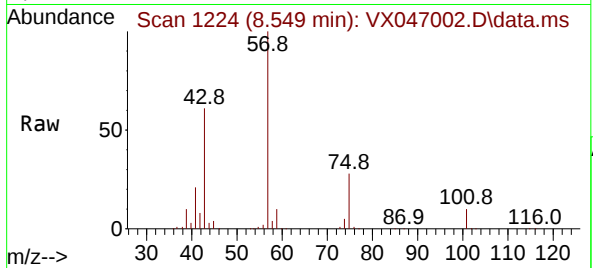




#51
4-Methyl-2-Pentanone
Concen: 44.613 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

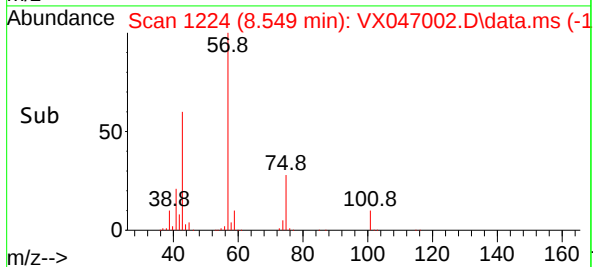
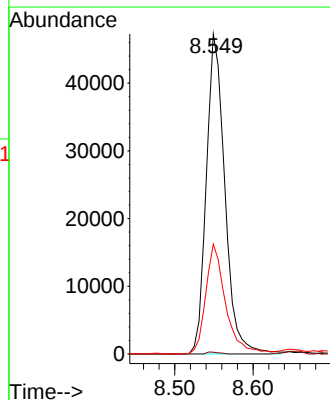
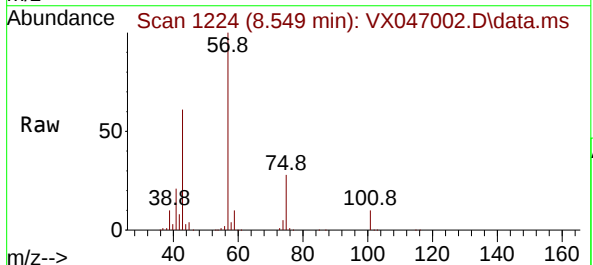
Instrument :
MSVOA_X
ClientSampleId :
TP-18

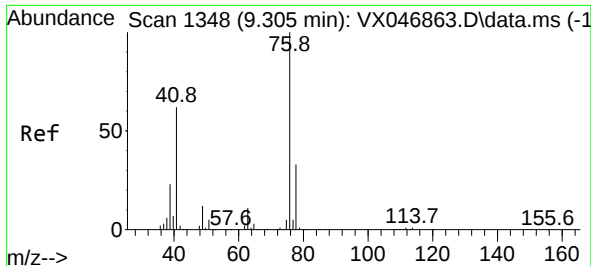
Tgt Ion: 43 Resp: 172480
Ion Ratio Lower Upper
43 100
58 7.7 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 13.421 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 75 Resp: 77617
Ion Ratio Lower Upper
75 100
77 0.5 25.4 38.2#
39 34.3 40.7 61.1#





#57

1,3-Dichloropropane

Concen: 0.884 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.183 min

Lab File: VX047002.D

Acq: 15 Jul 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

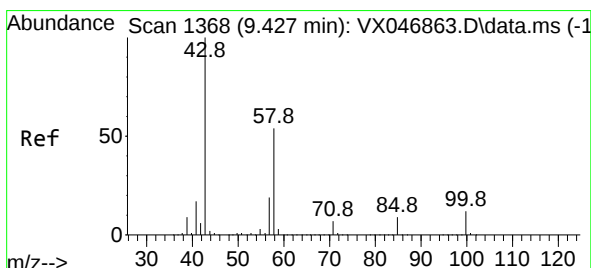
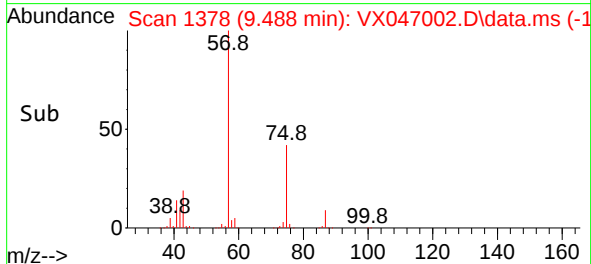
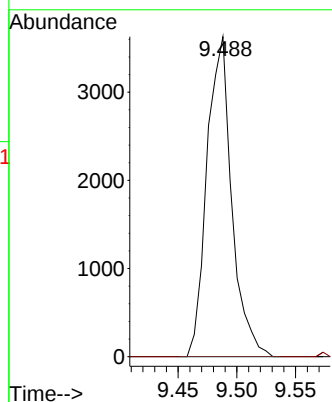
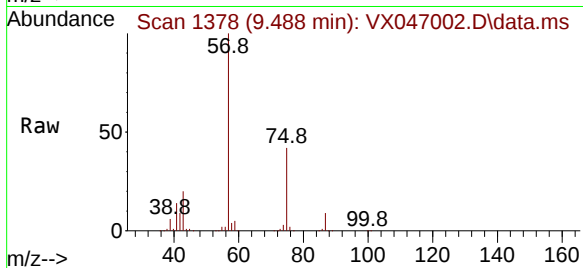
TP-18

Tgt Ion: 76 Resp: 5335

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 9.475 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX047002.D

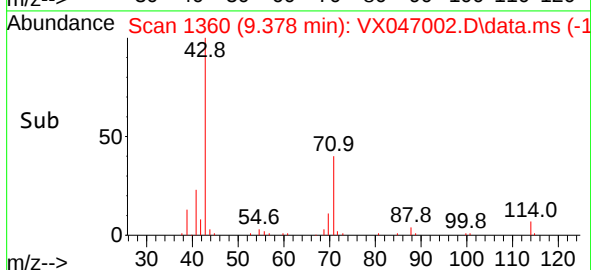
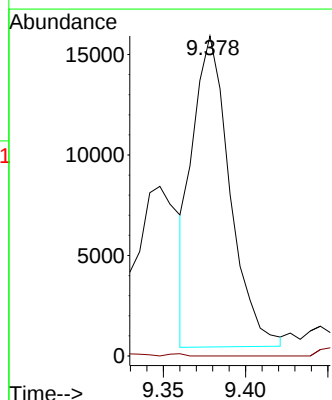
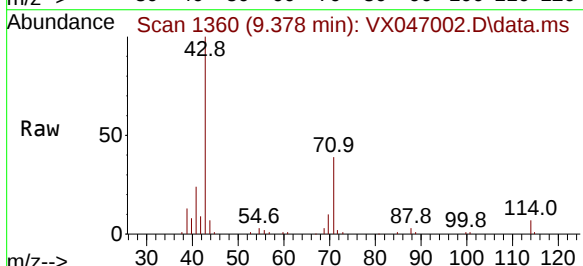
Acq: 15 Jul 2025 15:20

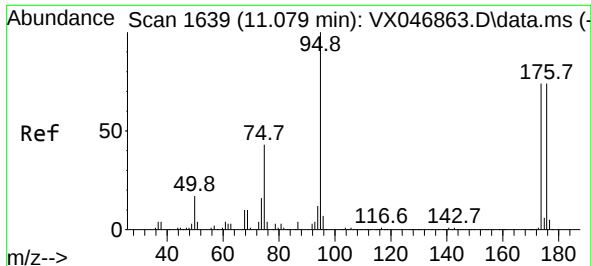
Tgt Ion: 43 Resp: 24298

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#

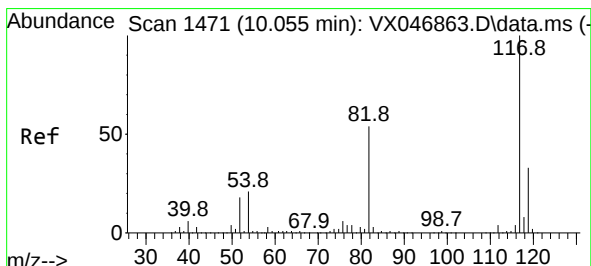
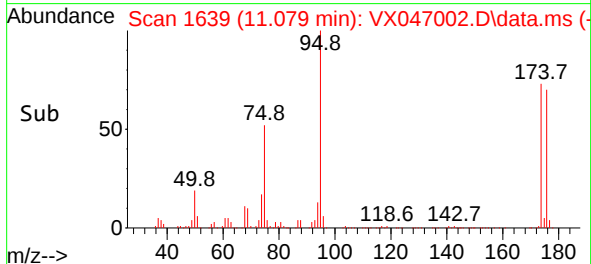
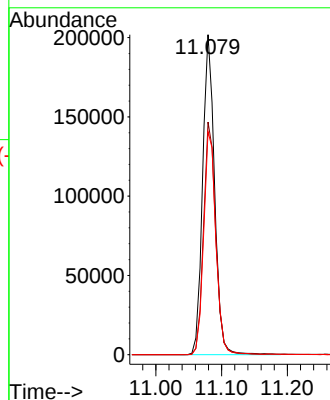
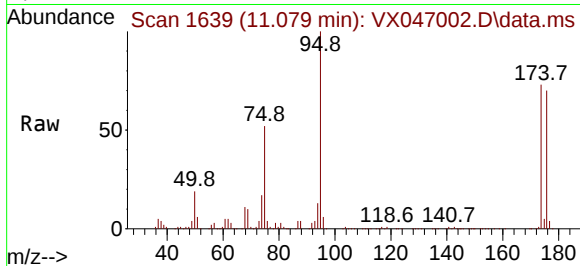




#62
4-Bromofluorobenzene
Concen: 51.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

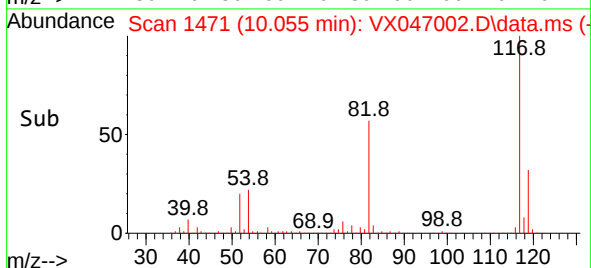
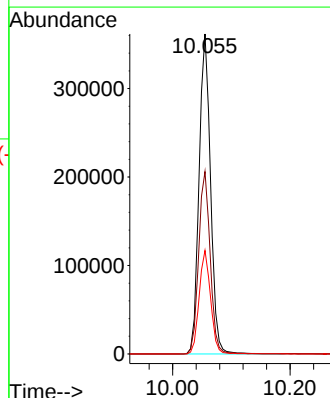
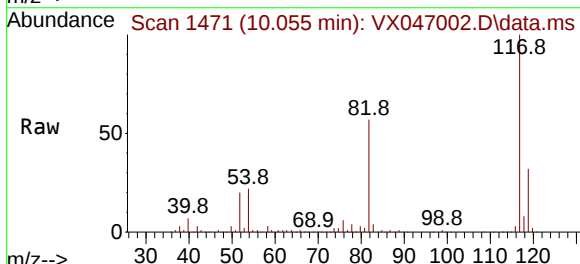
Instrument :
MSVOA_X
ClientSampleId :
TP-18

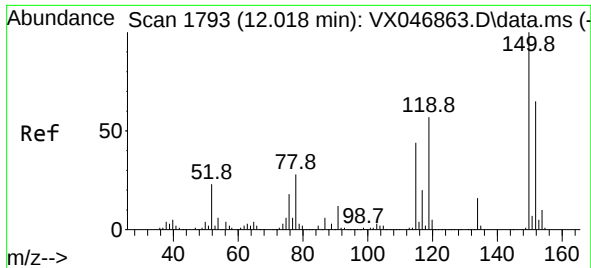
Tgt Ion: 95 Resp: 254982
Ion Ratio Lower Upper
95 100
174 73.8 0.0 152.0
176 71.2 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 117 Resp: 491131
Ion Ratio Lower Upper
117 100
82 57.0 43.3 64.9
119 32.3 26.4 39.6

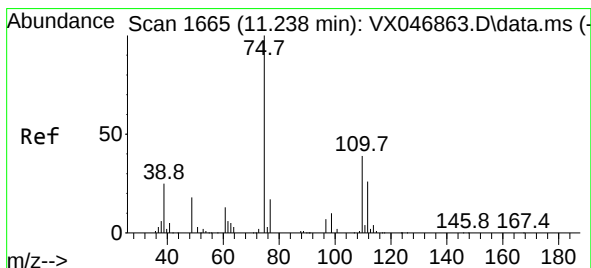
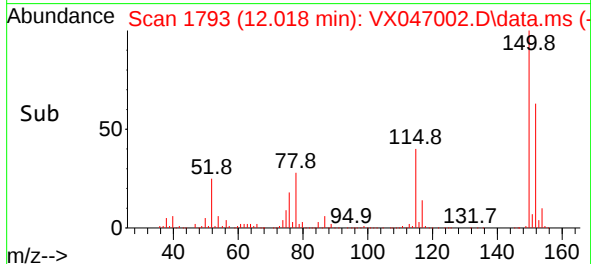
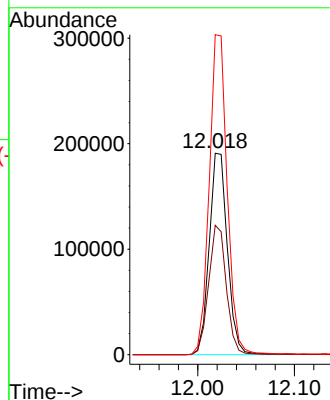
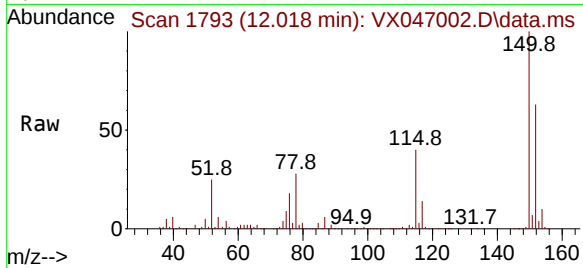




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

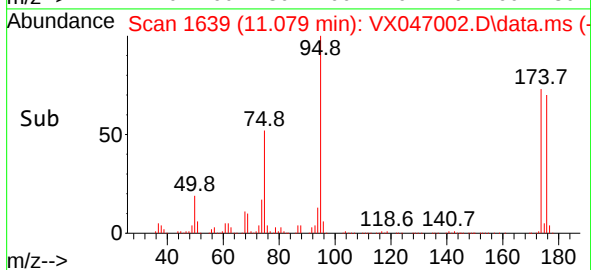
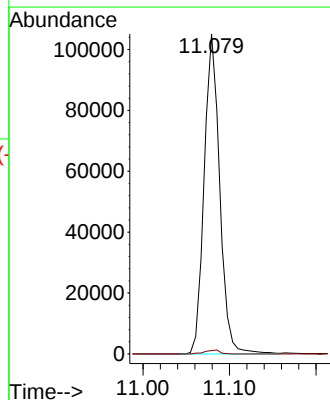
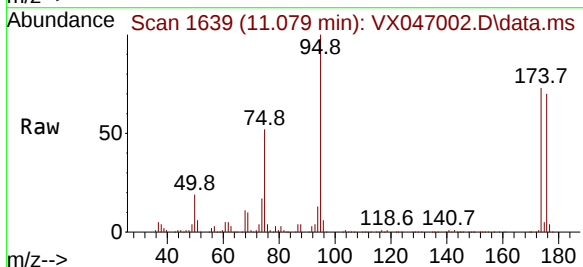
Instrument :
MSVOA_X
ClientSampleId :
TP-18

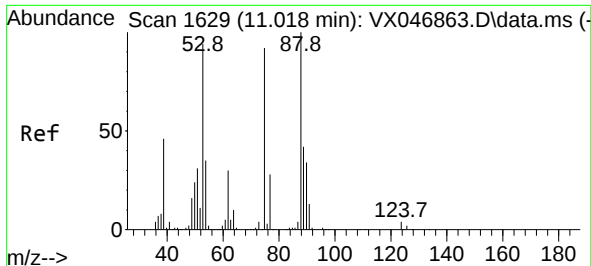
Tgt Ion:152 Resp: 249980
Ion Ratio Lower Upper
152 100
115 62.8 42.4 127.1
150 158.2 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 33.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion: 75 Resp: 131198
Ion Ratio Lower Upper
75 100
77 1.2 20.6 61.8#

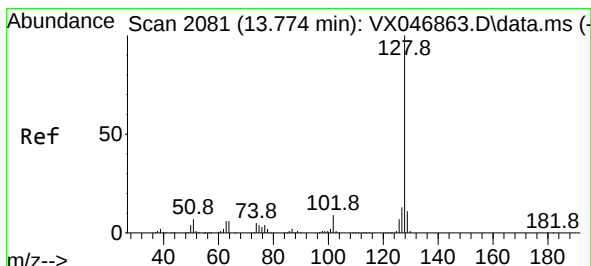
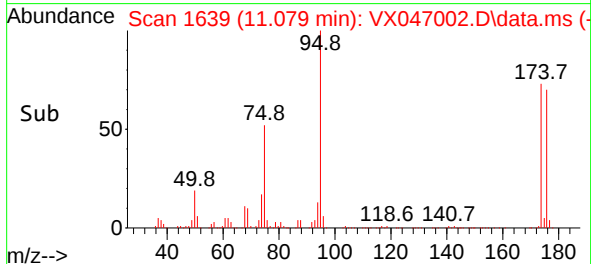
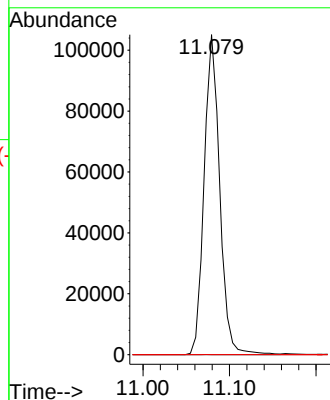
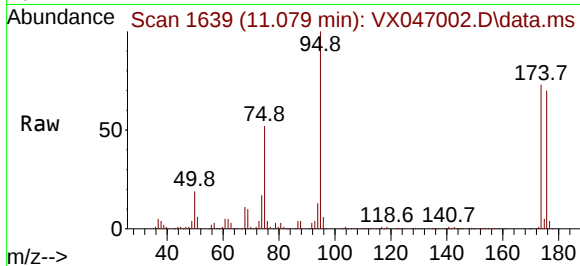




#81
trans-1,4-Dichloro-2-butene
Concen: 91.150 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
TP-18

Tgt Ion: 75 Resp: 131198
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.274 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047002.D
Acq: 15 Jul 2025 15:20

Tgt Ion:128 Resp: 3885
Ion Ratio Lower Upper
128 100
127 9.7 10.2 15.4#
129 12.3 8.6 13.0

