

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046949.D
 Acq On : 10 Jul 2025 16:51
 Operator : JC/MD
 Sample : Q2519-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-15

Quant Time: Jul 11 01:33:37 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)

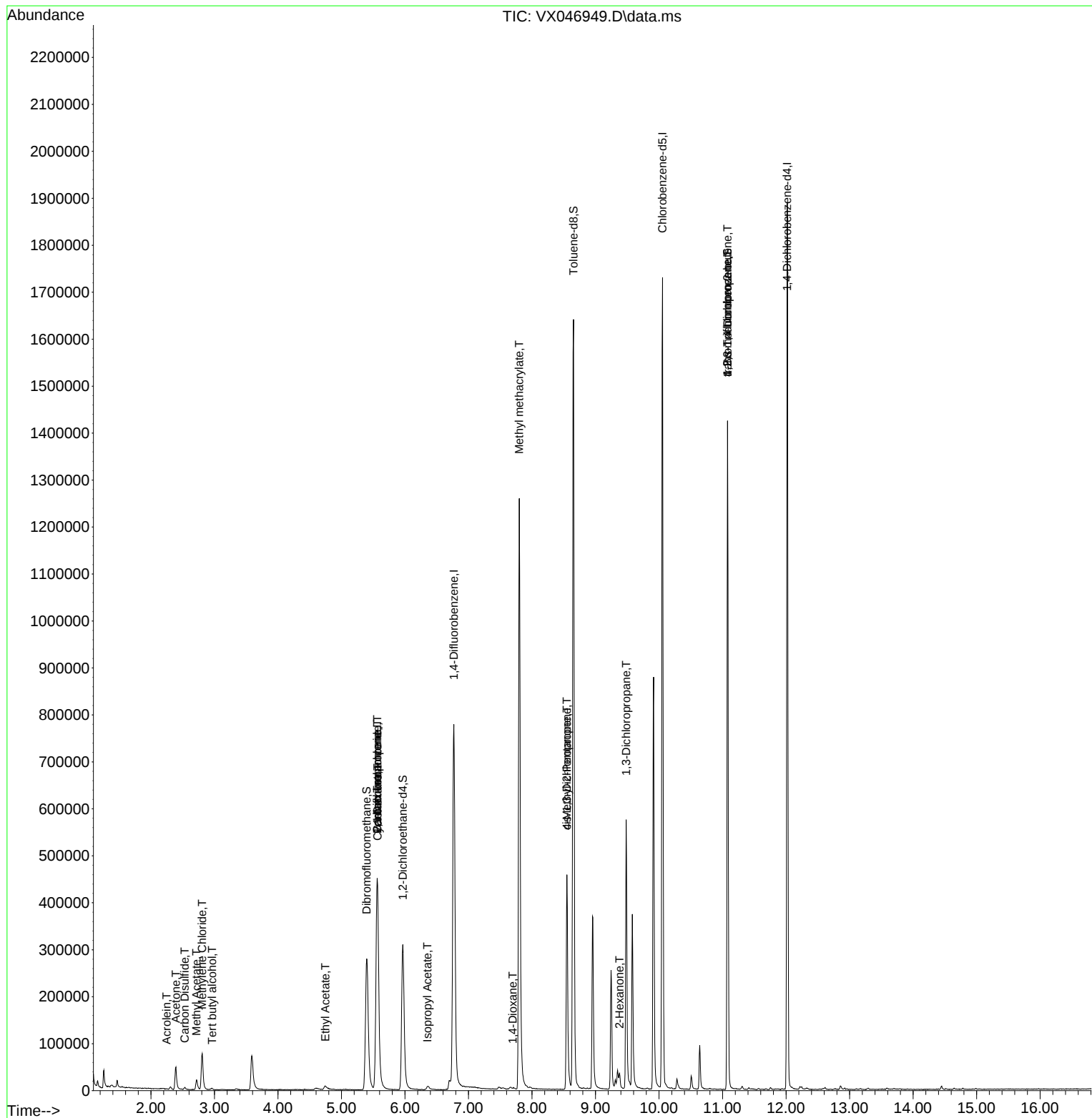
Internal Standards						
1) Pentafluorobenzene	5.562	168	466906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	834642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	753900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	376972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	322217	52.238	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.480%
35) Dibromofluoromethane	5.397	113	268664	47.420	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.840%
50) Toluene-d8	8.652	98	996258	49.839	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.680%
62) 4-Bromofluorobenzene	11.079	95	378907	49.875	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.964	59	324	0.801	ug/l #	72
13) Acrolein	2.245	56	449	3.828	ug/l	90
16) Acetone	2.391	43	61229	31.957	ug/l #	87
17) Carbon Disulfide	2.532	76	4588	0.346	ug/l #	87
18) Methyl Acetate	2.715	43	30779	6.095	ug/l	94
20) Methylene Chloride	2.806	84	38671	6.826	ug/l	97
31) Cyclohexane	5.568	56	10248	1.162	ug/l #	10
36) 1,1-Dichloropropene	5.562	75	37144	4.859	ug/l #	49
37) Ethyl Acetate	4.745	43	13709	2.106	ug/l #	95
38) Carbon Tetrachloride	5.562	117	47517	5.880	ug/l #	15
43) Isopropyl Acetate	6.354	43	13682	1.372	ug/l	98
48) Methyl methacrylate	7.799	41	116489	22.623	ug/l #	43
49) 1,4-Dioxane	7.695	88	94	1.576	ug/l #	21
51) 4-Methyl-2-Pentanone	8.549	43	166356	28.266	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	76831	8.727	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	5185	0.564	ug/l #	42
59) 2-Hexanone	9.378	43	22135	5.670	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	193215	33.171	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	193215	89.015	ug/l #	8

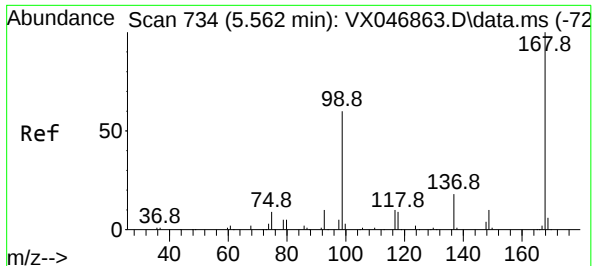
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-15

Quant Time: Jul 11 01:33:37 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

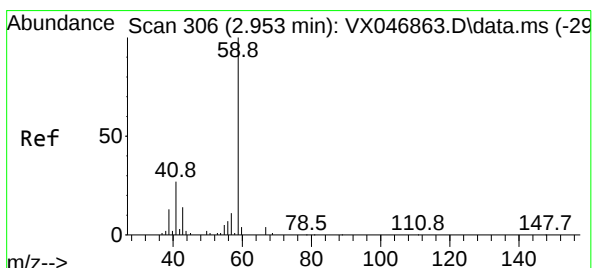
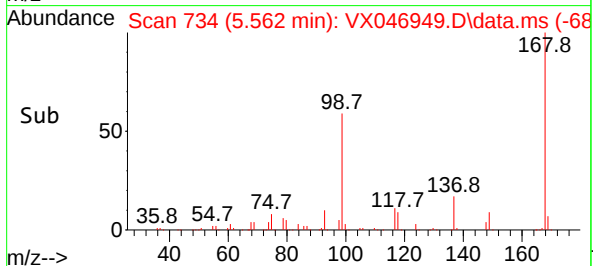
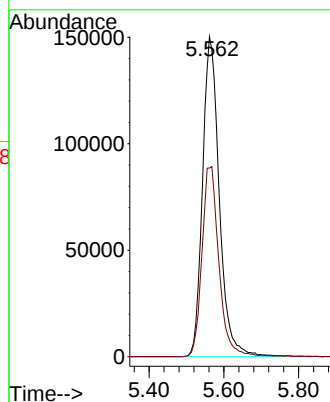
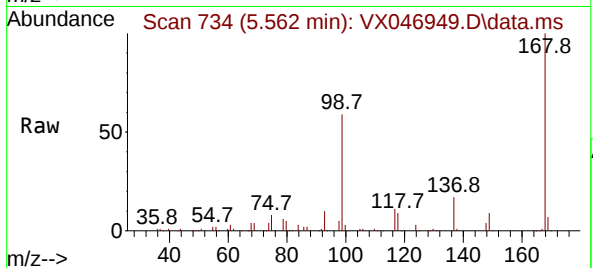




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

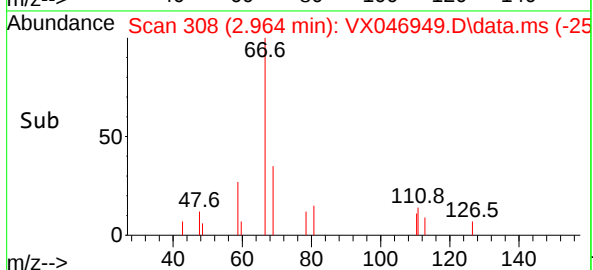
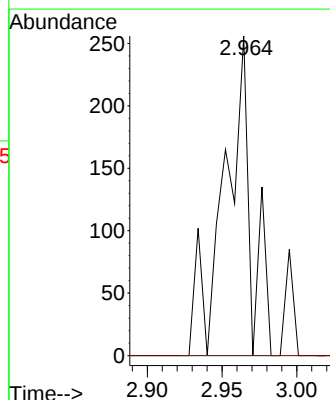
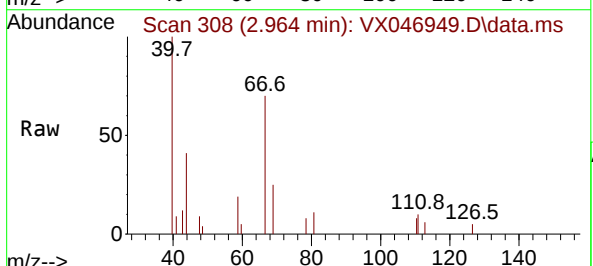
Instrument :
MSVOA_X
ClientSampleId :
TP-15

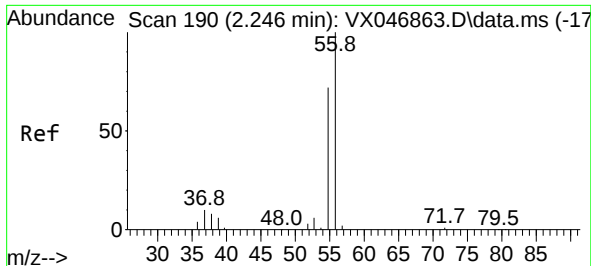
Tgt Ion:168 Resp: 466906
Ion Ratio Lower Upper
168 100
99 59.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.801 ug/l
RT: 2.964 min Scan# 308
Delta R.T. 0.012 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

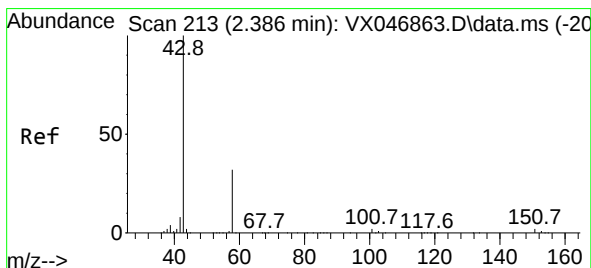
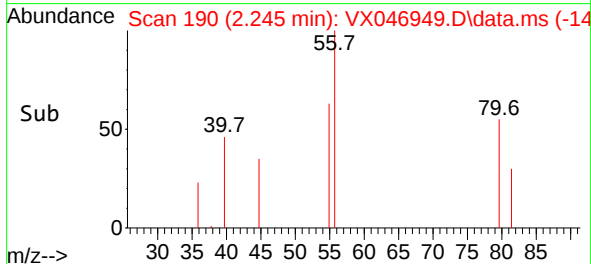
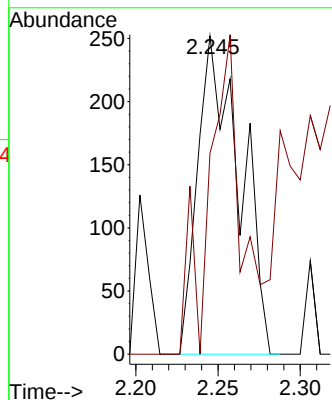
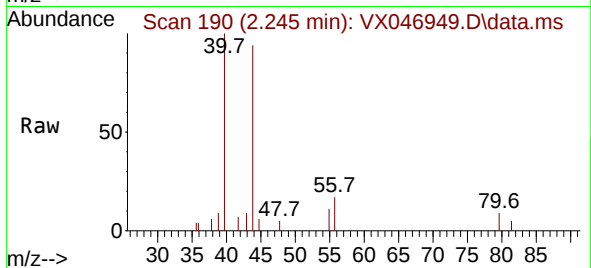




#13
Acrolein
Concen: 3.828 ug/l
RT: 2.245 min Scan# 19
Delta R.T. -0.001 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

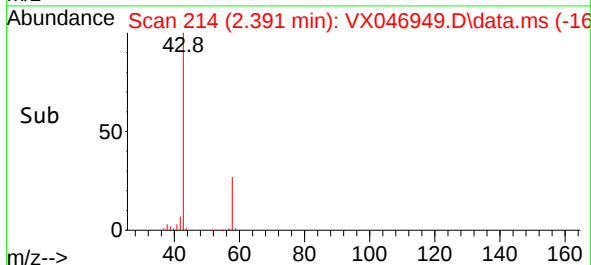
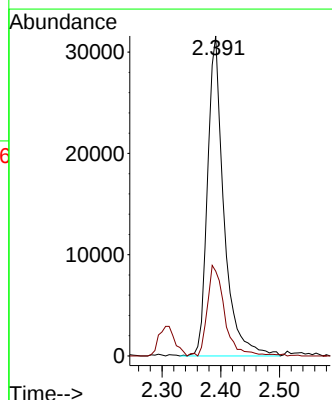
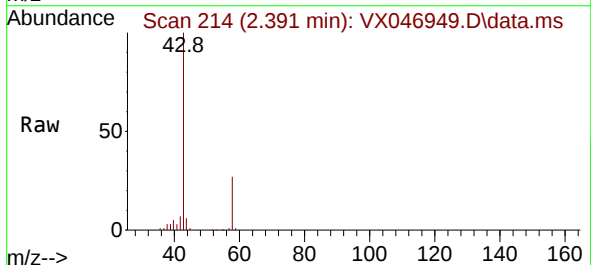
Instrument :
MSVOA_X
ClientSampleId :
TP-15

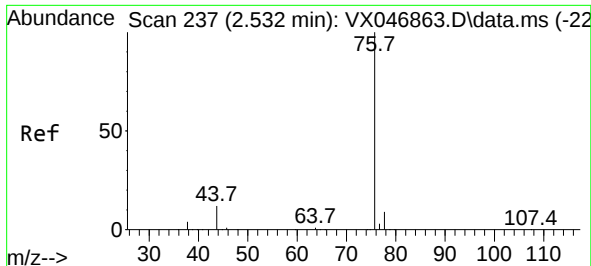
Tgt Ion: 56 Resp: 449
Ion Ratio Lower Upper
56 100
55 77.3 55.5 83.3



#16
Acetone
Concen: 31.957 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Tgt Ion: 43 Resp: 61229
Ion Ratio Lower Upper
43 100
58 24.7 25.8 38.6#





#17

Carbon Disulfide

Concen: 0.346 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046949.D

Acq: 10 Jul 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

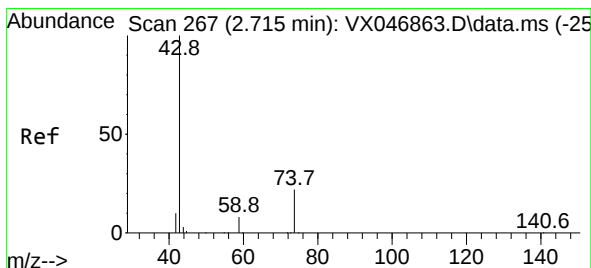
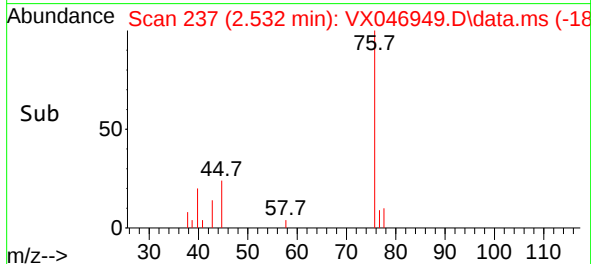
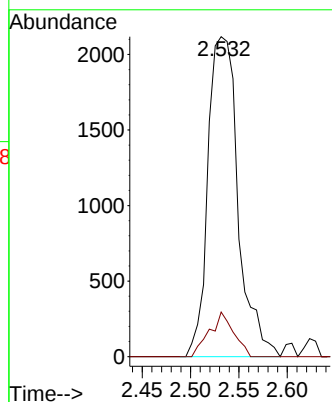
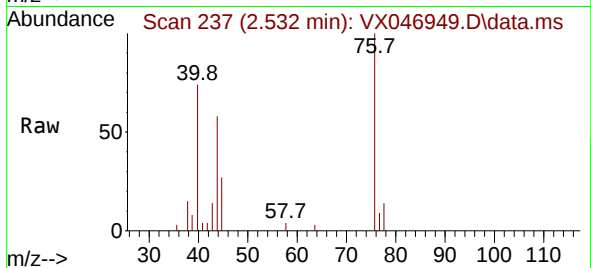
TP-15

Tgt Ion: 76 Resp: 4588

Ion Ratio Lower Upper

76 100

78 13.9 7.4 11.2#



#18

Methyl Acetate

Concen: 6.095 ug/l

RT: 2.715 min Scan# 267

Delta R.T. -0.000 min

Lab File: VX046949.D

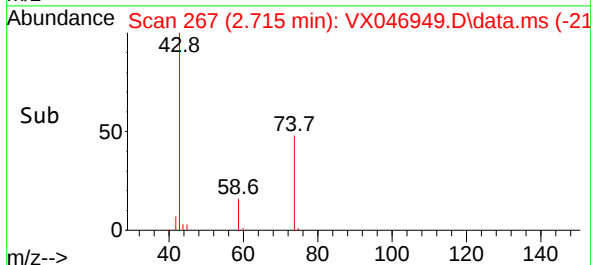
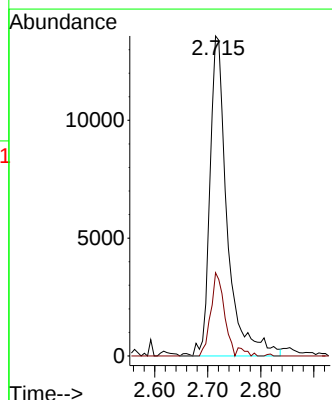
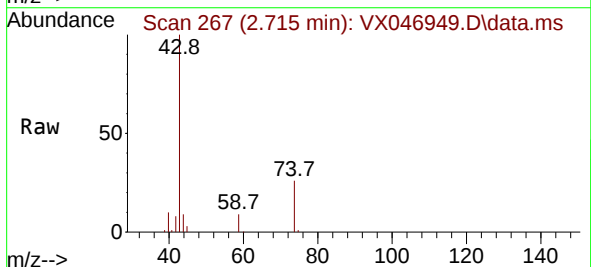
Acq: 10 Jul 2025 16:51

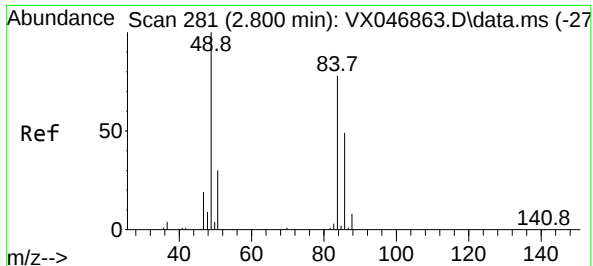
Tgt Ion: 43 Resp: 30779

Ion Ratio Lower Upper

43 100

74 20.2 18.3 27.5



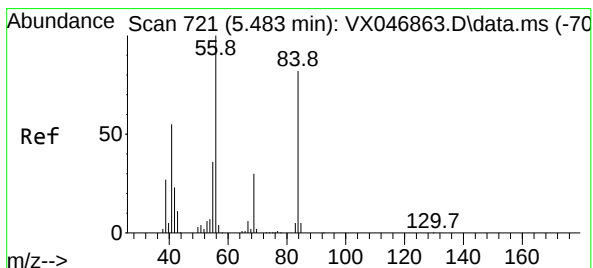
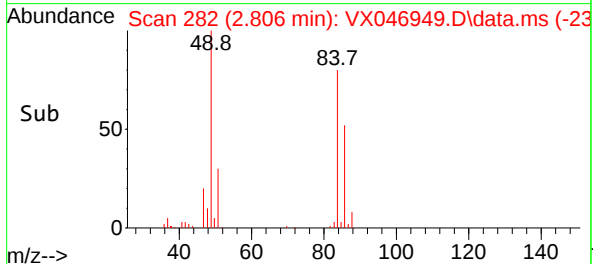
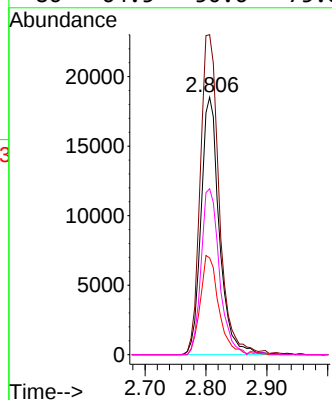
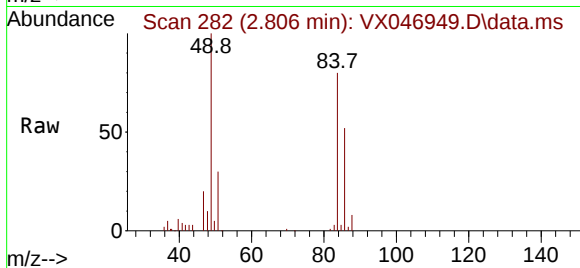


#20
Methylene Chloride
Concen: 6.826 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Instrument :
MSVOA_X
ClientSampleId :
TP-15

Tgt Ion: 84 Resp: 38671

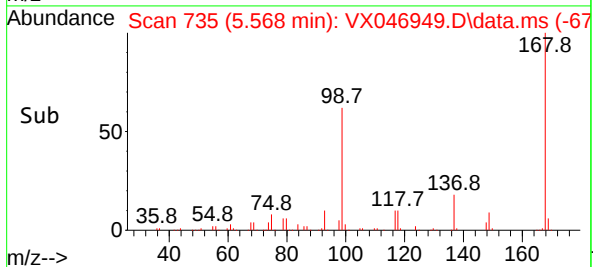
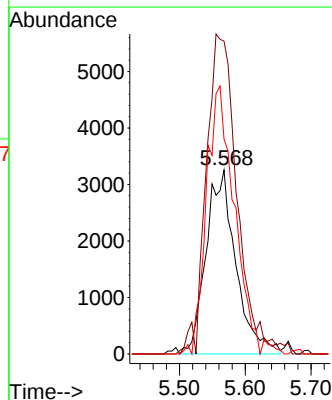
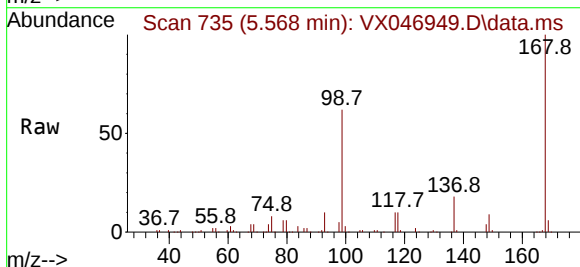
Ion	Ratio	Lower	Upper
84	100		
49	124.3	102.8	154.2
51	37.6	31.1	46.7
86	64.5	50.6	75.8

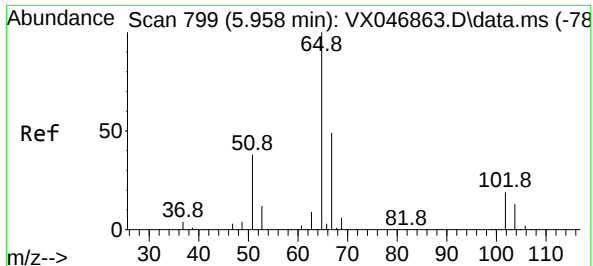


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Tgt Ion: 56 Resp: 10248

Ion	Ratio	Lower	Upper
56	100		
69	164.3	24.0	36.0#
84	112.8	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 52.238 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046949.D

Acq: 10 Jul 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

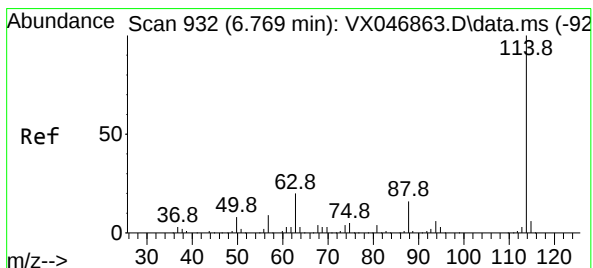
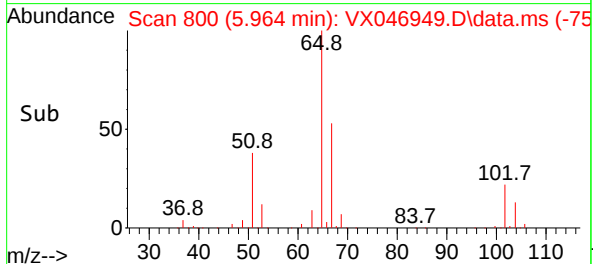
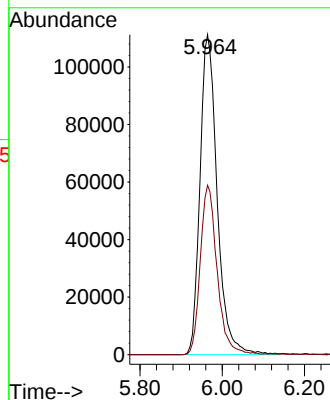
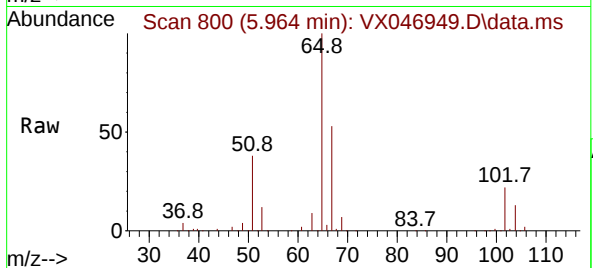
TP-15

Tgt Ion: 65 Resp: 322217

Ion Ratio Lower Upper

65 100

67 51.9 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: VX046949.D

Acq: 10 Jul 2025 16:51

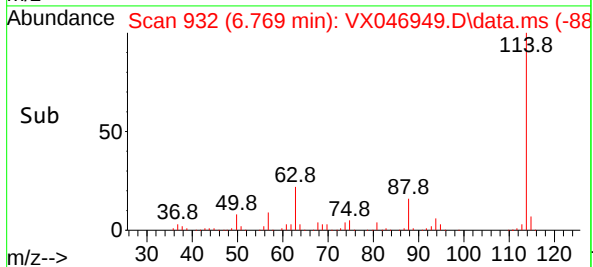
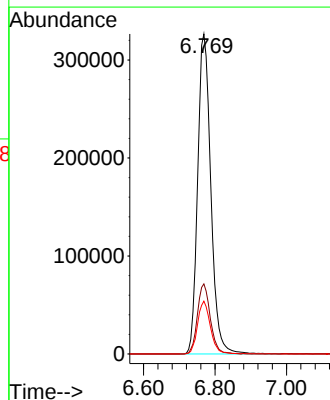
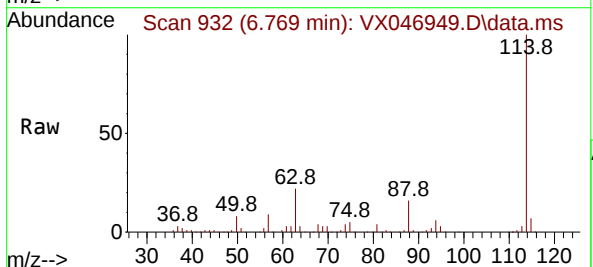
Tgt Ion:114 Resp: 834642

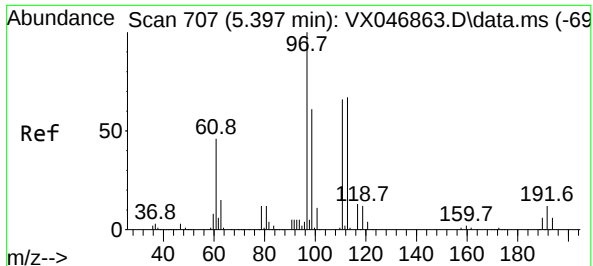
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.4

88 16.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.420 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046949.D

Acq: 10 Jul 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

TP-15

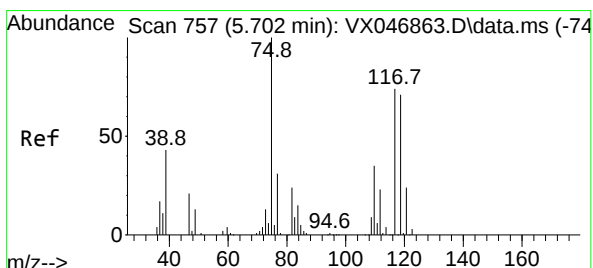
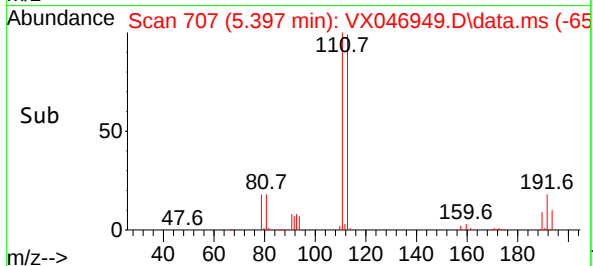
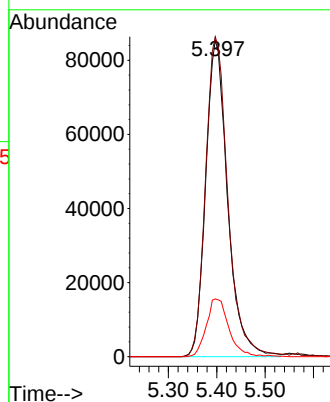
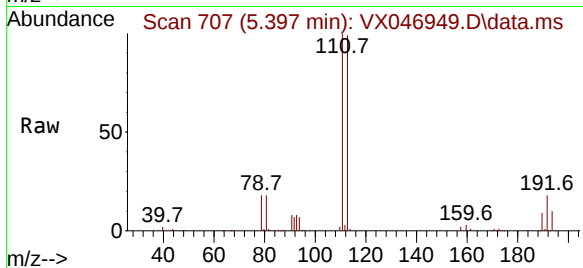
Tgt Ion:113 Resp: 268664

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

192 18.8 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.859 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.141 min

Lab File: VX046949.D

Acq: 10 Jul 2025 16:51

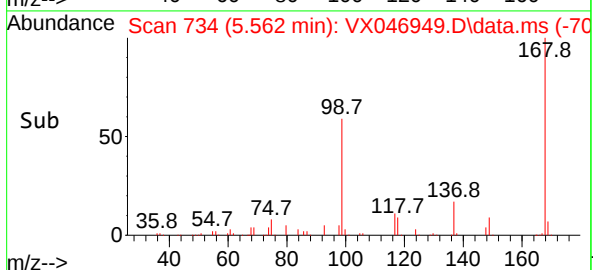
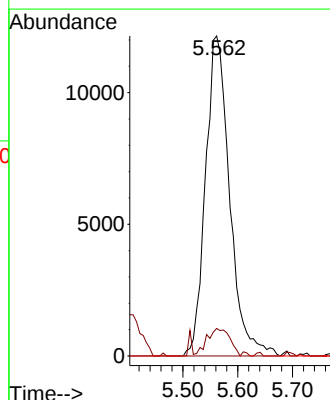
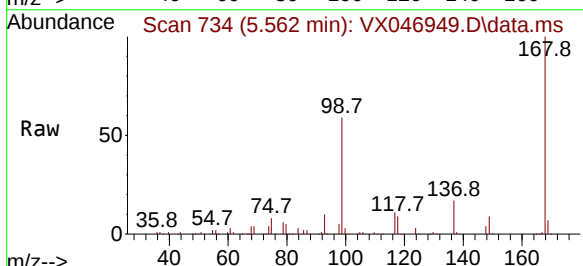
Tgt Ion: 75 Resp: 37144

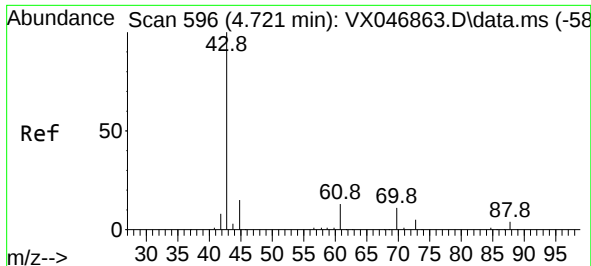
Ion Ratio Lower Upper

75 100

110 8.0 17.3 51.9#

77 0.0 24.2 36.4#

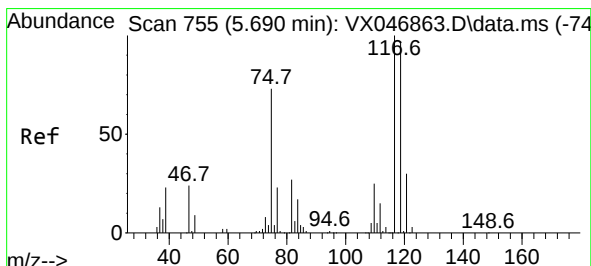
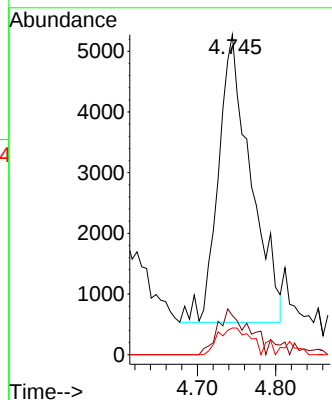
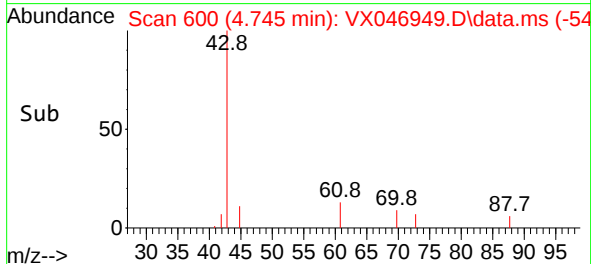
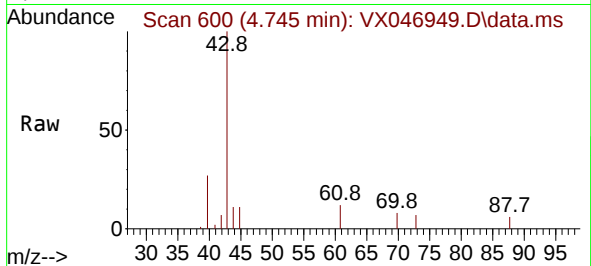




#37
Ethyl Acetate
Concen: 2.106 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.024 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

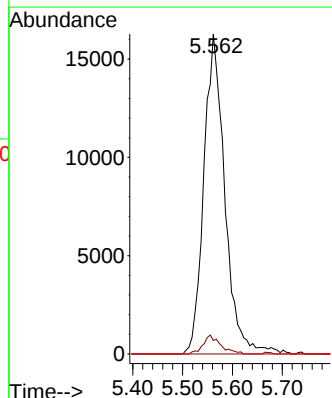
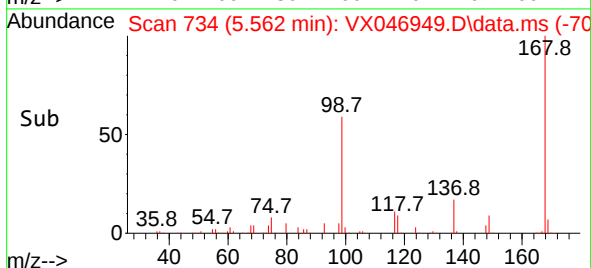
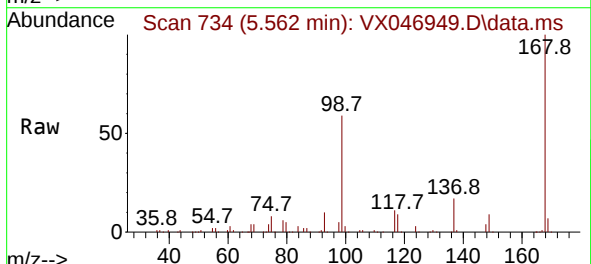
Instrument :
MSVOA_X
ClientSampleId :
TP-15

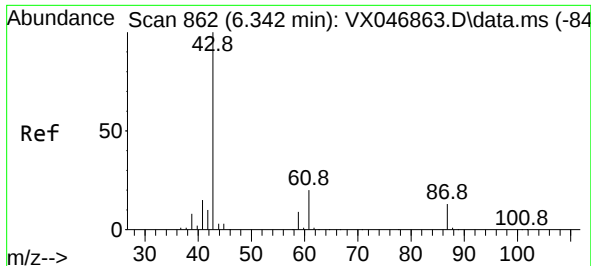
Tgt Ion: 43 Resp: 13709
Ion Ratio Lower Upper
43 100
61 14.5 9.7 14.5#
70 9.1 8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.880 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Tgt Ion: 117 Resp: 47517
Ion Ratio Lower Upper
117 100
119 4.2 76.6 114.8#
121 0.0 24.1 36.1#

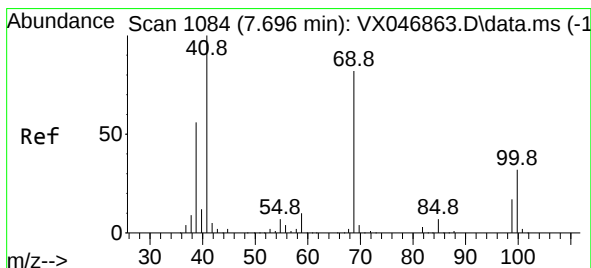
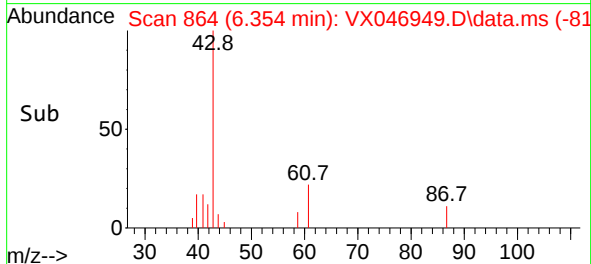
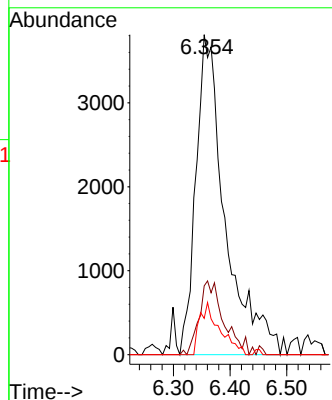
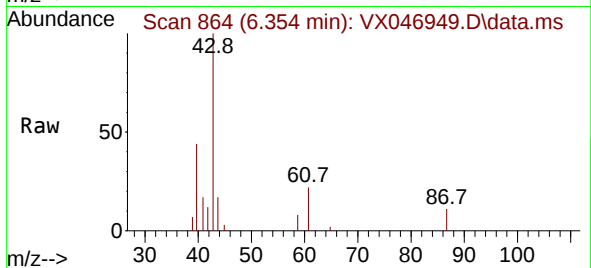




#43
Isopropyl Acetate
Concen: 1.372 ug/l
RT: 6.354 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

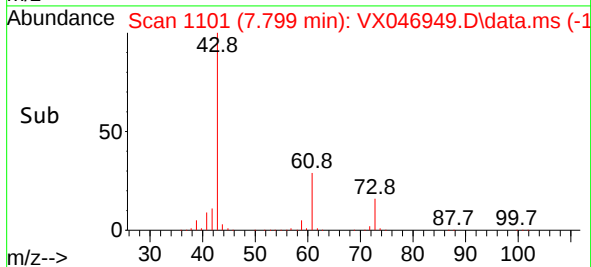
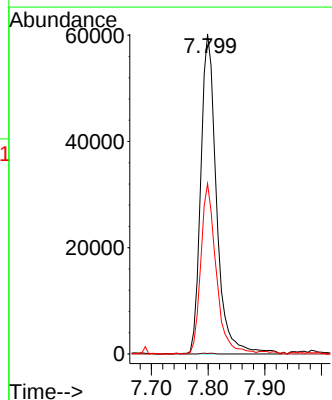
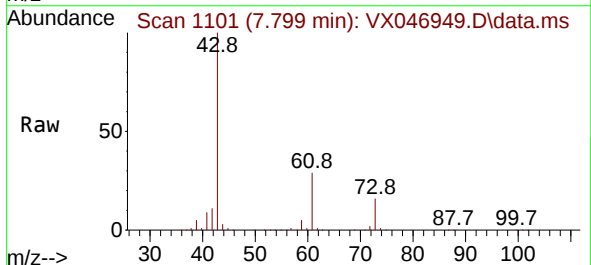
Instrument :
MSVOA_X
ClientSampleId :
TP-15

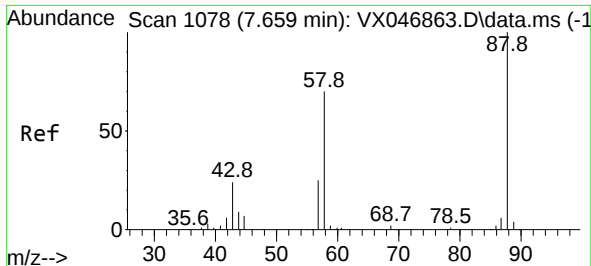
Tgt Ion: 43 Resp: 13682
Ion Ratio Lower Upper
43 100
61 19.4 15.7 23.5
87 11.1 10.1 15.1



#48
Methyl methacrylate
Concen: 22.623 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Tgt Ion: 41 Resp: 116489
Ion Ratio Lower Upper
41 100
69 0.2 65.8 98.8#
39 51.6 43.8 65.6



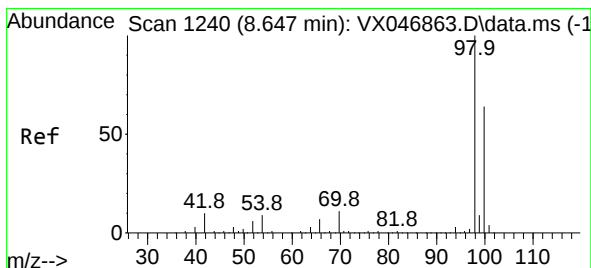
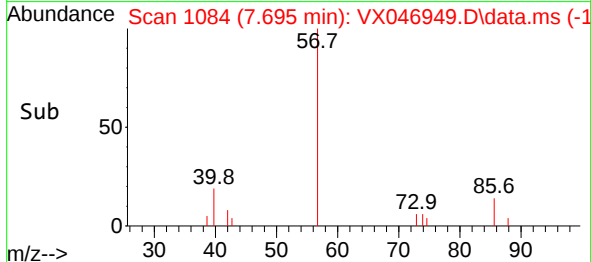
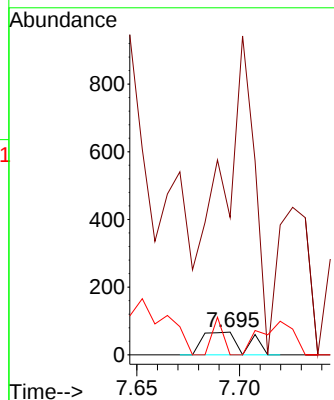
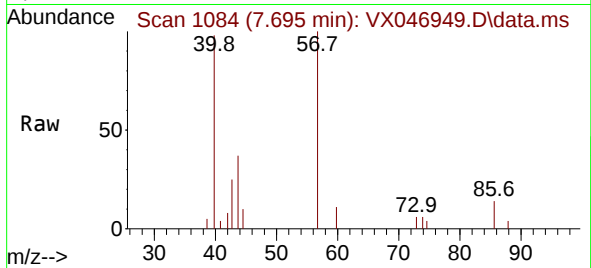


#49
 1,4-Dioxane
 Concen: 1.576 ug/l
 RT: 7.695 min Scan# 1084
 Delta R.T. 0.036 min
 Lab File: VX046949.D
 Acq: 10 Jul 2025 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-15

Tgt Ion: 88 Resp: 94

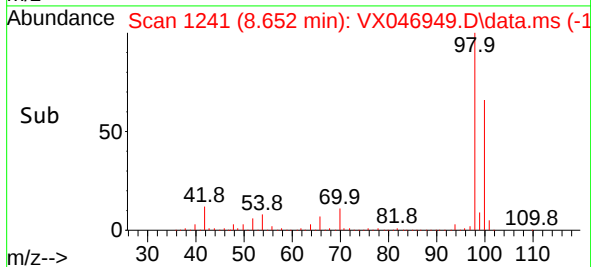
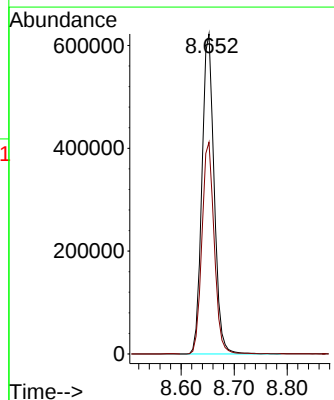
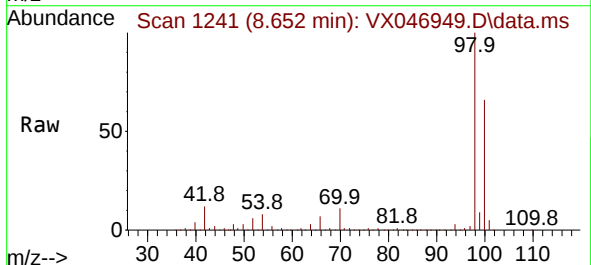
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.7	47.5#
58	0.0	57.5	86.3#

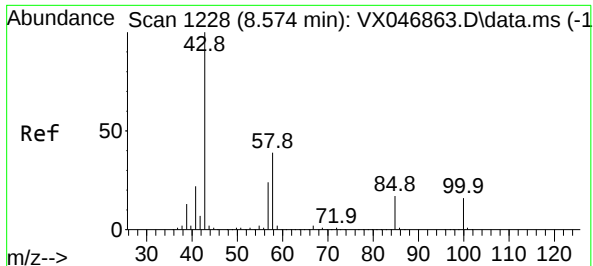


#50
 Toluene-d8
 Concen: 49.839 ug/l
 RT: 8.652 min Scan# 1241
 Delta R.T. 0.006 min
 Lab File: VX046949.D
 Acq: 10 Jul 2025 16:51

Tgt Ion: 98 Resp: 996258

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 28.266 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX046949.D

Acq: 10 Jul 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

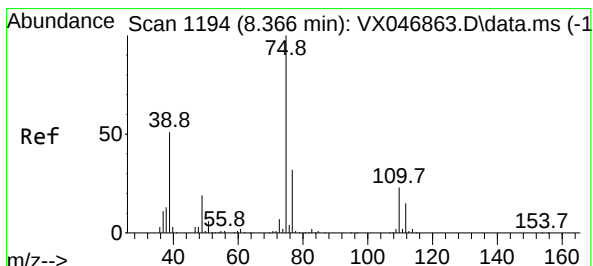
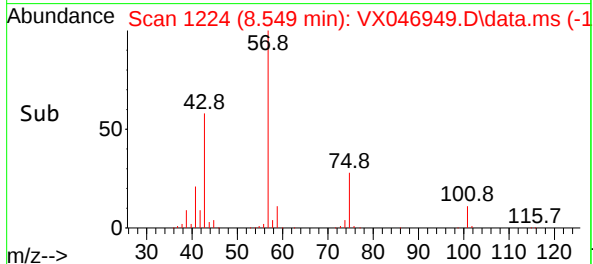
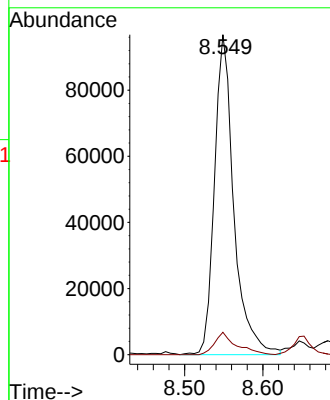
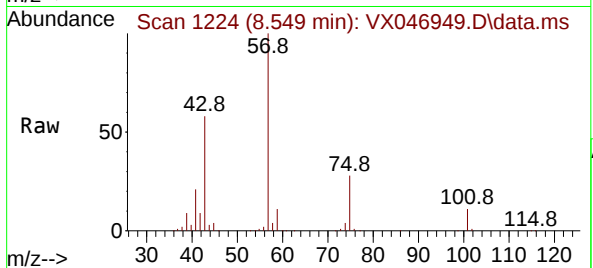
TP-15

Tgt Ion: 43 Resp: 166356

Ion Ratio Lower Upper

43 100

58 7.8 30.4 45.6#



#54

cis-1,3-Dichloropropene

Concen: 8.727 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.182 min

Lab File: VX046949.D

Acq: 10 Jul 2025 16:51

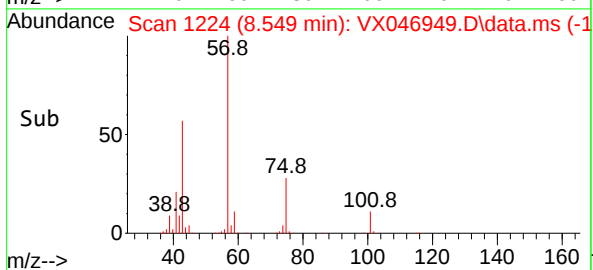
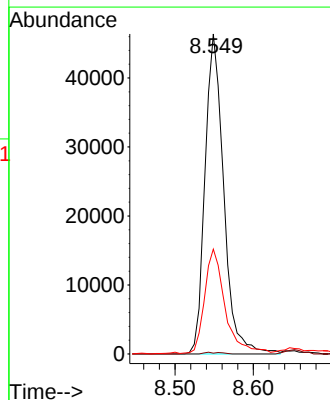
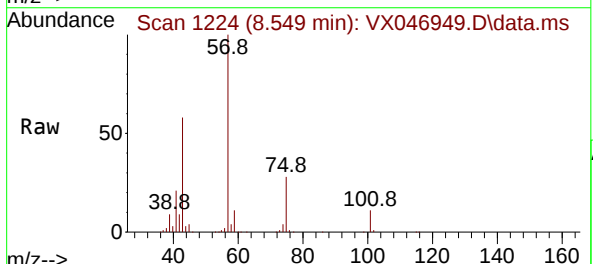
Tgt Ion: 75 Resp: 76831

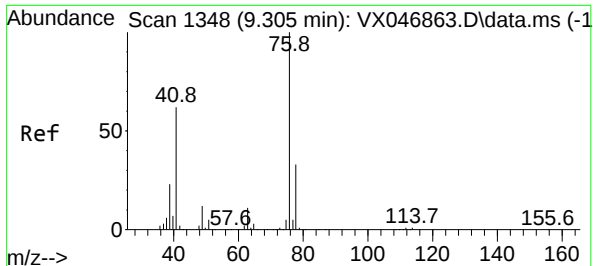
Ion Ratio Lower Upper

75 100

77 0.2 25.4 38.2#

39 32.6 40.7 61.1#

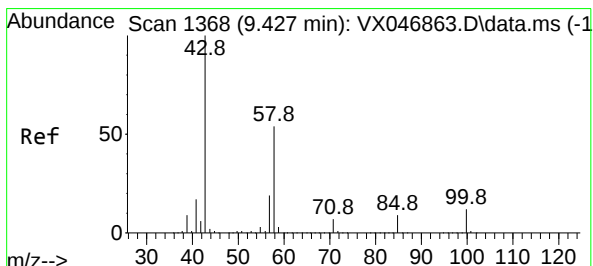
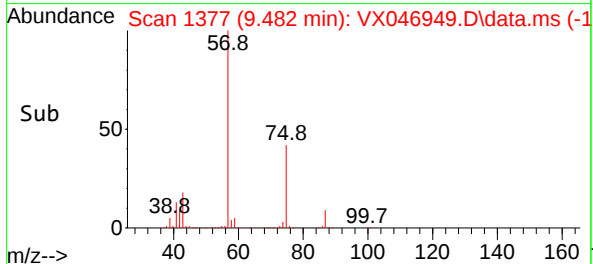
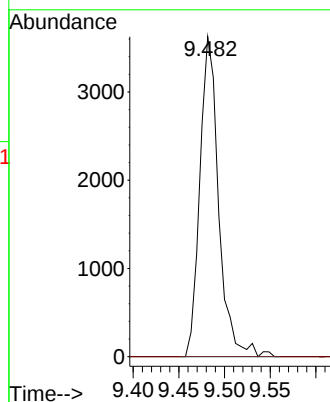
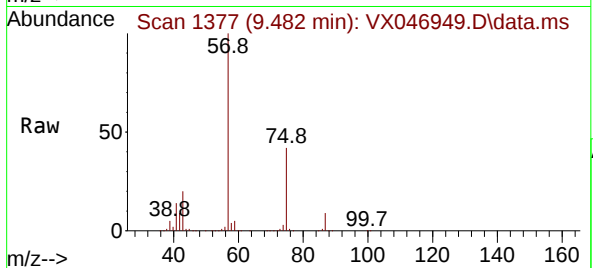




#57
1,3-Dichloropropane
Concen: 0.564 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

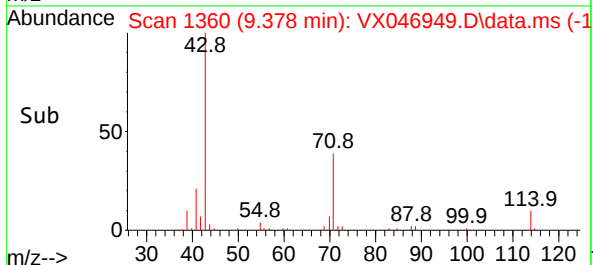
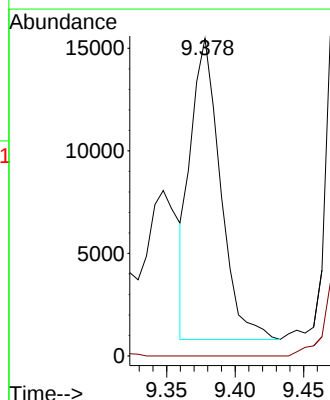
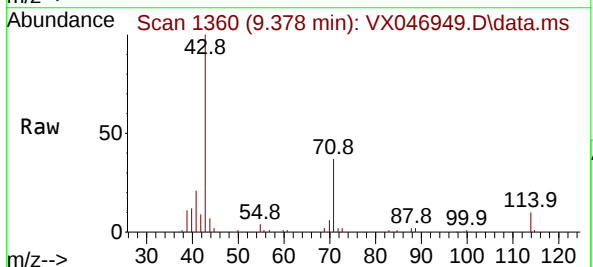
Instrument :
MSVOA_X
ClientSampleId :
TP-15

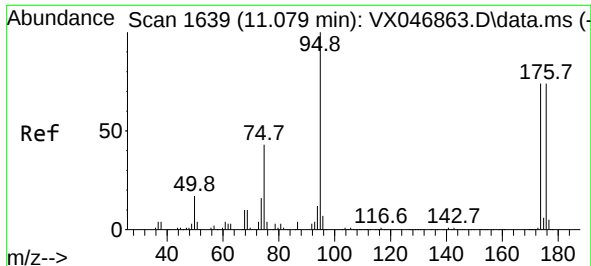
Tgt Ion: 76 Resp: 5185
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 5.670 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Tgt Ion: 43 Resp: 22135
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#

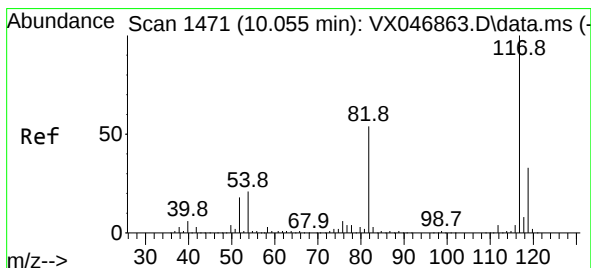
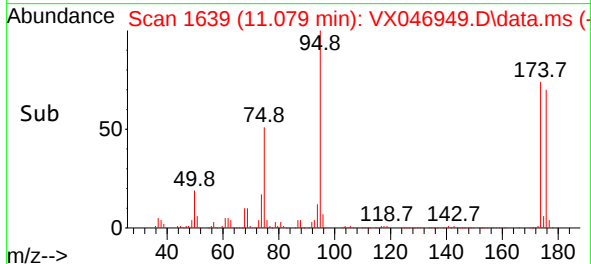
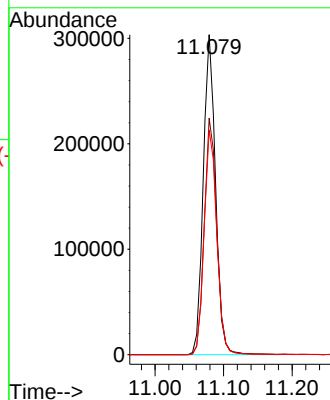
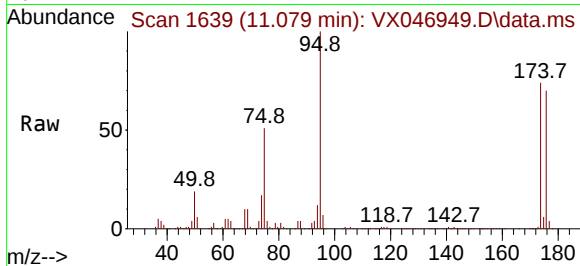




#62
4-Bromofluorobenzene
Concen: 49.875 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

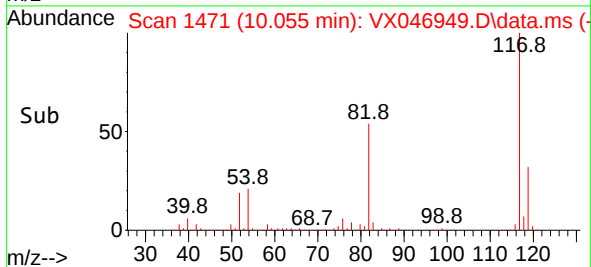
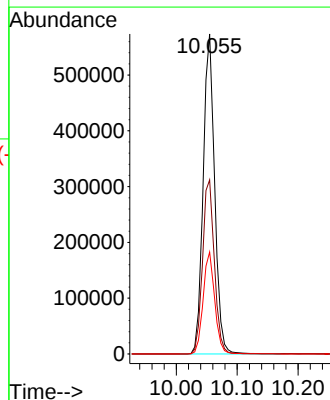
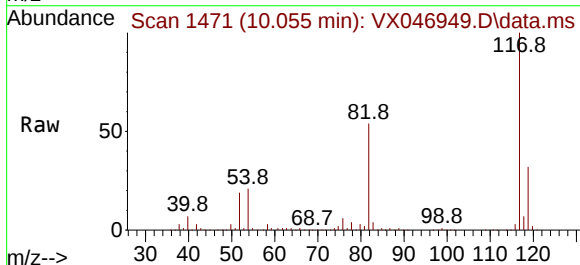
Instrument :
MSVOA_X
ClientSampleId :
TP-15

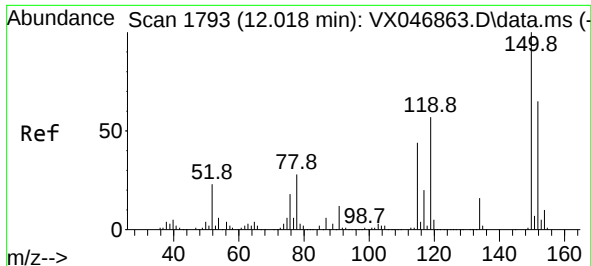
Tgt Ion: 95 Resp: 378907
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.0
176 72.3 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046949.D
Acq: 10 Jul 2025 16:51

Tgt Ion: 117 Resp: 753900
Ion Ratio Lower Upper
117 100
82 54.4 43.3 64.9
119 31.9 26.4 39.6

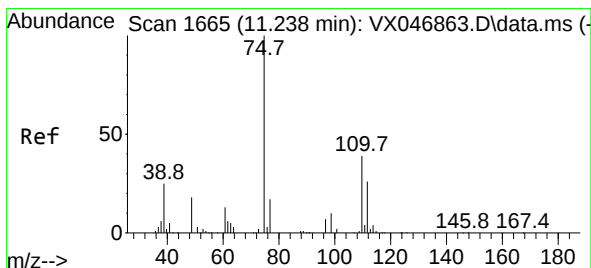
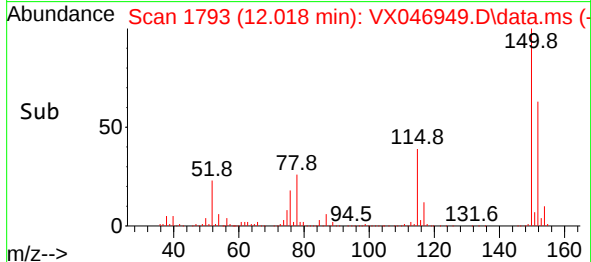
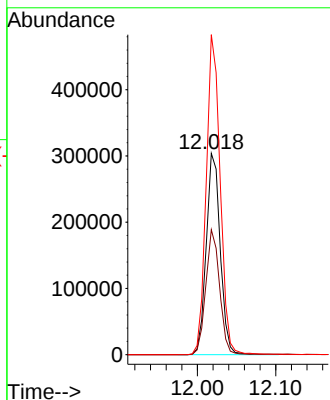
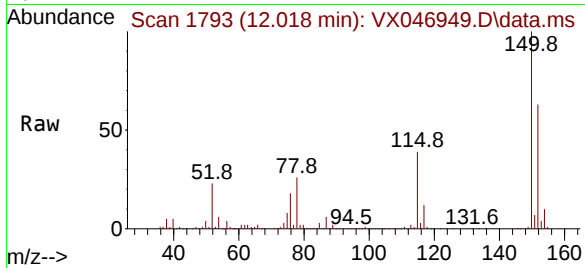




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046949.D
 Acq: 10 Jul 2025 16:51

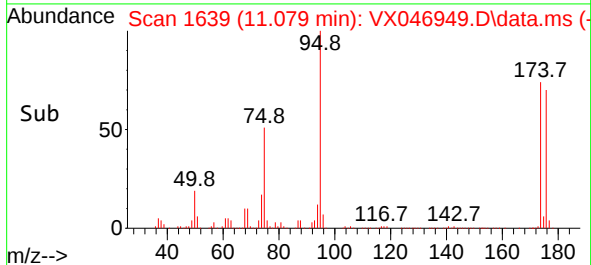
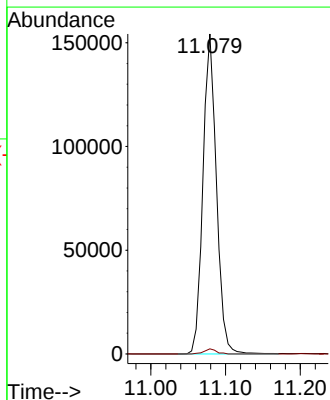
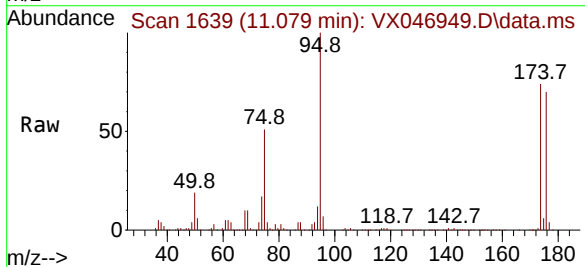
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-15

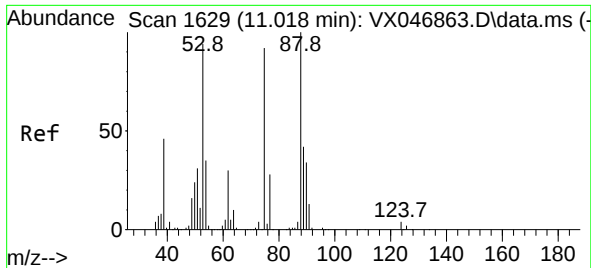
Tgt Ion:152 Resp: 376972
 Ion Ratio Lower Upper
 152 100
 115 61.1 42.4 127.1
 150 158.2 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 33.171 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046949.D
 Acq: 10 Jul 2025 16:51

Tgt Ion: 75 Resp: 193215
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.6 61.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.015 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046949.D
 Acq: 10 Jul 2025 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-15

Tgt Ion: 75 Resp: 193215
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 38.2 57.2#

