

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047004.D
 Acq On : 15 Jul 2025 16:02
 Operator : JC/MD
 Sample : Q2586-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

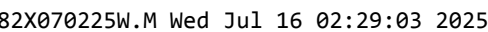
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-16

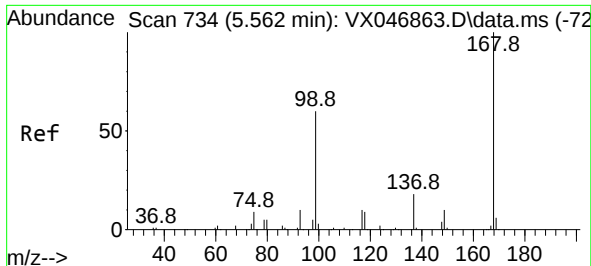
Quant Time: Jul 16 02:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	324175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	579936	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	513078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	261348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	240070	56.056	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.120%
35) Dibromofluoromethane	5.397	113	191887	48.744	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.480%
50) Toluene-d8	8.653	98	664003	47.807	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.620%
62) 4-Bromofluorobenzene	11.079	95	264714	50.148	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.300%
Target Compounds						
						Qvalue
5) Bromomethane	1.630	94	549	0.232	ug/l #	66
6) Chloroethane	1.715	64	781	0.321	ug/l #	66
11) Tert butyl alcohol	2.953	59	125	0.445	ug/l #	72
13) Acrolein	2.258	56	28	2.924	ug/l #	1
16) Acetone	2.392	43	44369	33.353	ug/l	99
18) Methyl Acetate	2.721	43	39311	11.212	ug/l	99
20) Methylene Chloride	2.812	84	27455	6.979	ug/l	91
25) 2-Butanone	4.629	43	3537	1.993	ug/l #	76
31) Cyclohexane	5.568	56	7799	1.274	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	26275	4.947	ug/l #	51
37) Ethyl Acetate	4.745	43	19975	4.416	ug/l #	84
38) Carbon Tetrachloride	5.562	117	34023	6.059	ug/l #	16
43) Isopropyl Acetate	6.367	43	13723	1.981	ug/l #	84
48) Methyl methacrylate	7.799	41	137298	38.375	ug/l #	43
49) 1,4-Dioxane	7.647	88	37	0.893	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	180908	44.239	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1086	0.203	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	85157	13.922	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	5734	0.898	ug/l #	42
59) 2-Hexanone	9.378	43	23230	8.564	ug/l #	24
74) N-amyl acetate	10.640	43	26790	4.291	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	136956	33.915	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	136956	91.011	ug/l #	8

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

Quant Time: Jul 16 02:28:53 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

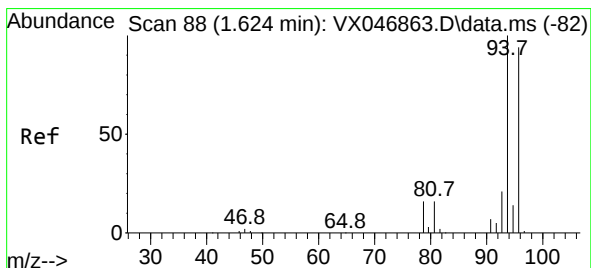
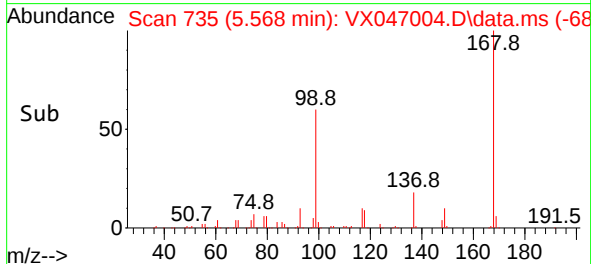
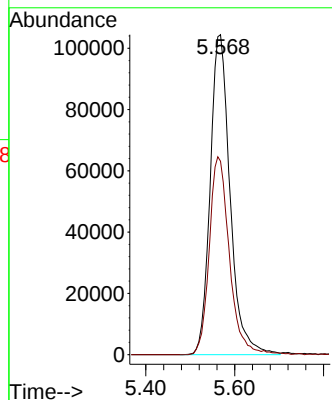
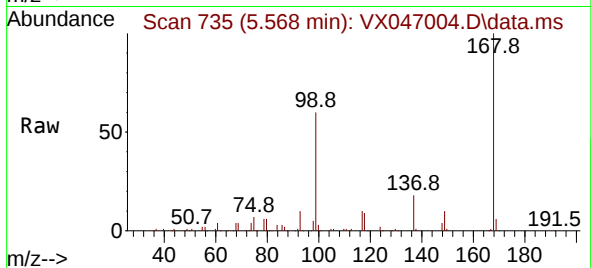




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

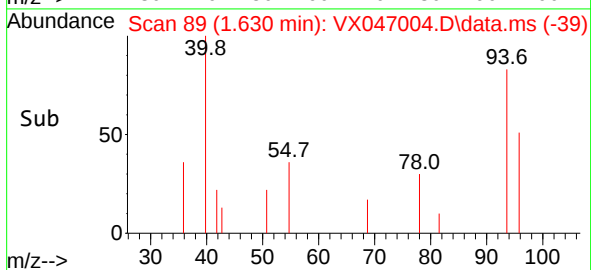
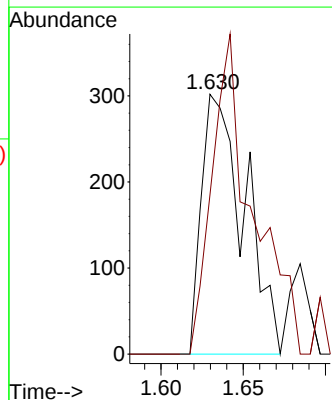
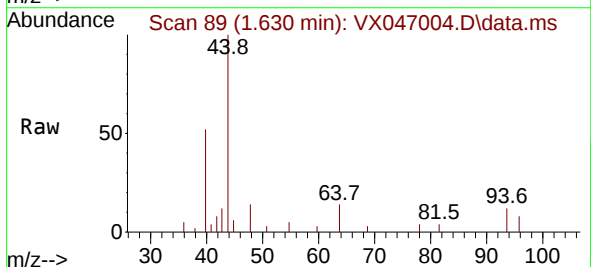
Instrument :
MSVOA_X
ClientSampleId :
TP-16

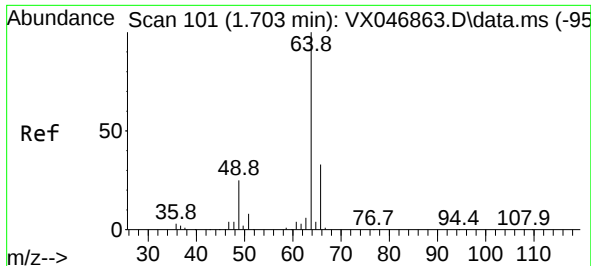
Tgt Ion:168 Resp: 324175
Ion Ratio Lower Upper
168 100
99 60.4 48.8 73.2



#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion: 94 Resp: 549
Ion Ratio Lower Upper
94 100
96 61.3 75.5 113.3#

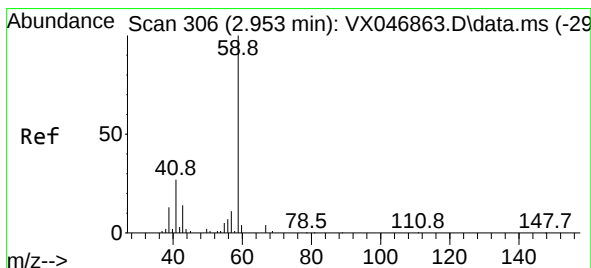
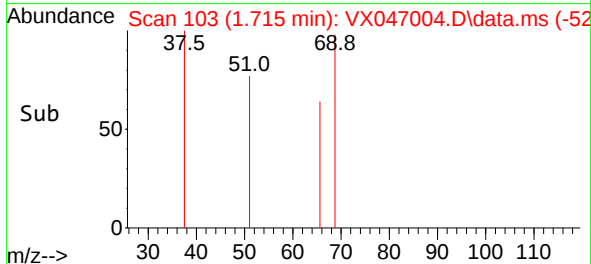
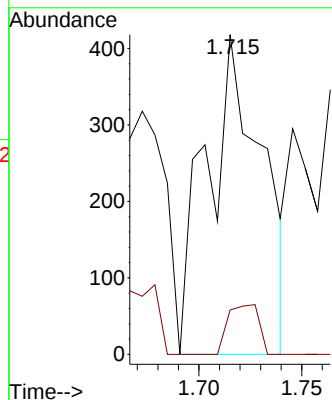
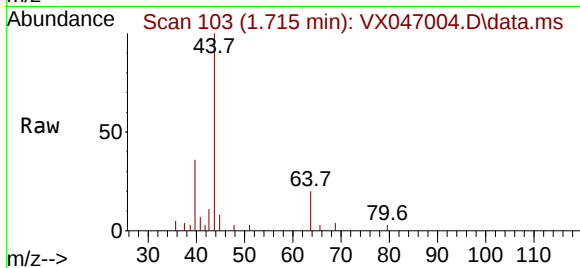




#6
Chloroethane
Concen: 0.321 ug/l
RT: 1.715 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

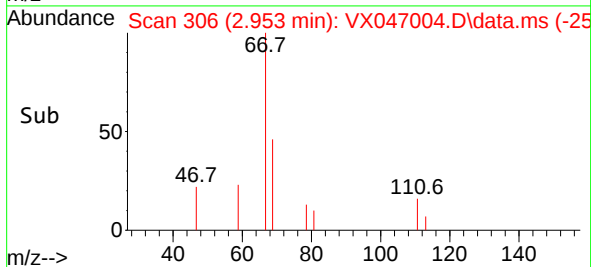
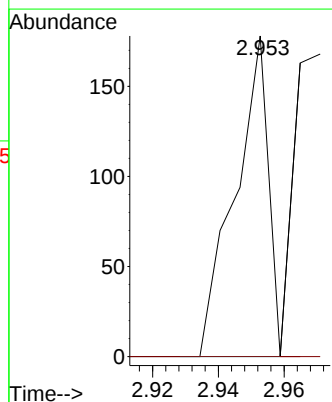
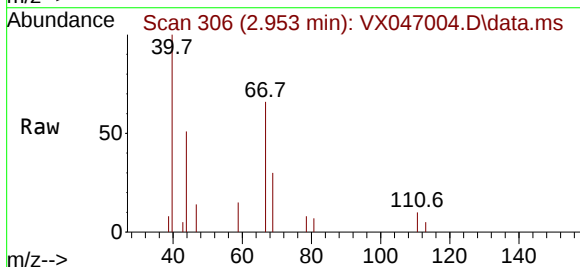
Instrument :
MSVOA_X
ClientSampleId :
TP-16

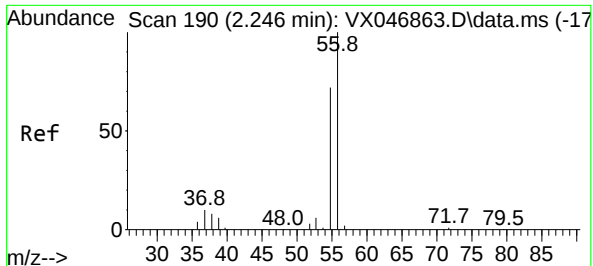
Tgt Ion: 64 Resp: 781
Ion Ratio Lower Upper
64 100
66 13.9 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.445 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

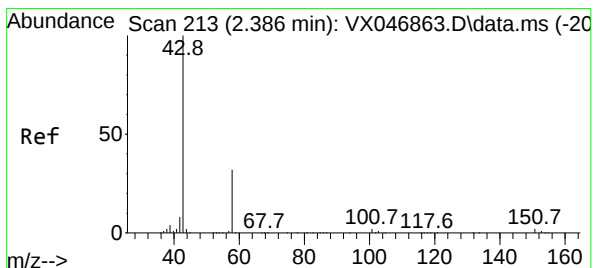
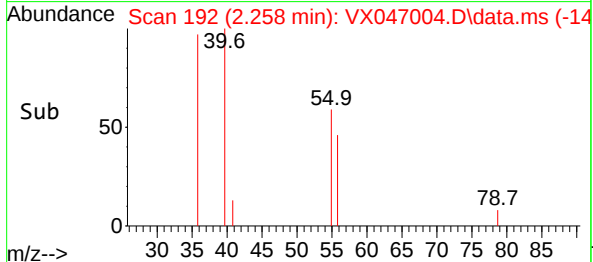
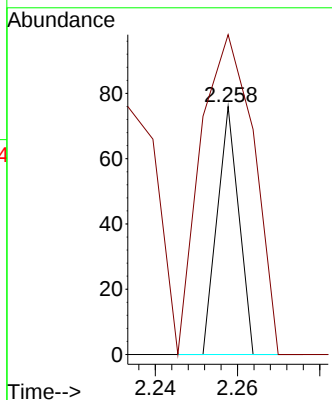
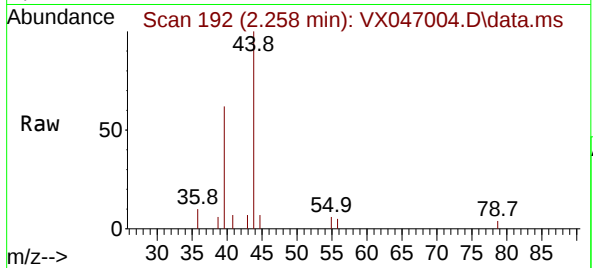




#13
Acrolein
Concen: 2.924 ug/l
RT: 2.258 min Scan# 19
Delta R.T. 0.012 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

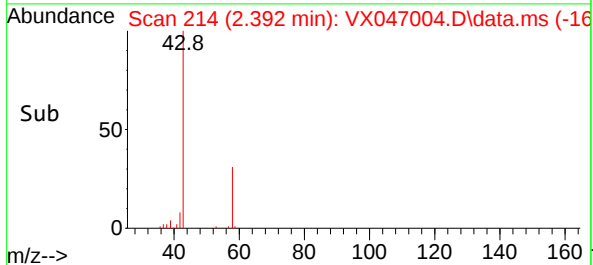
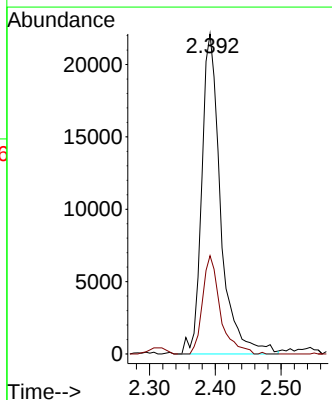
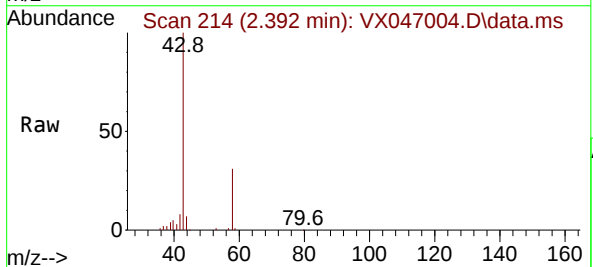
Instrument :
MSVOA_X
ClientSampleId :
TP-16

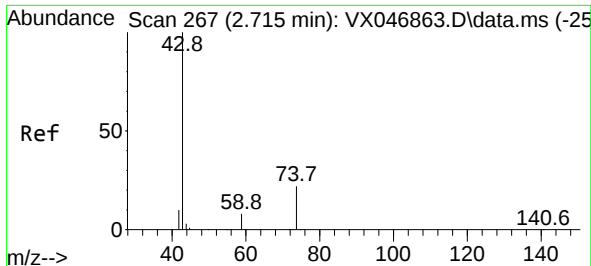
Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 314.3 55.5 83.3#



#16
Acetone
Concen: 33.353 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion: 43 Resp: 44369
Ion Ratio Lower Upper
43 100
58 31.5 25.8 38.6

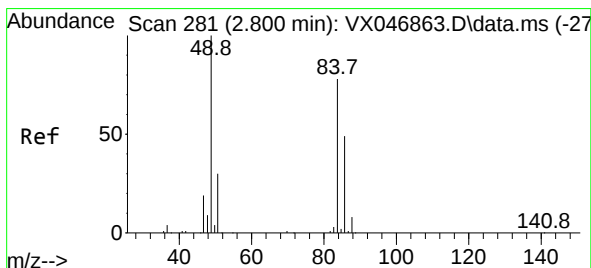
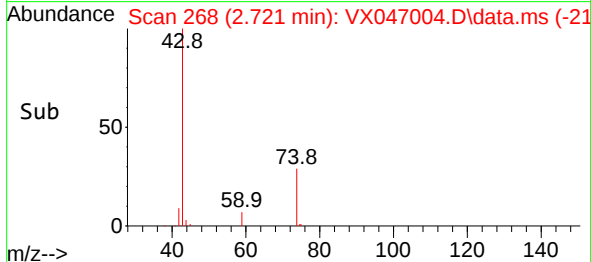
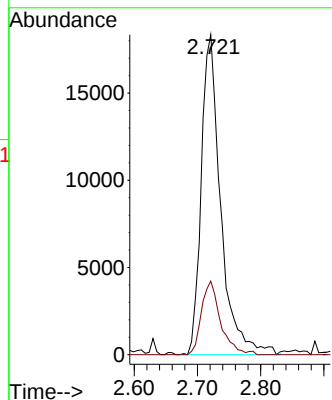
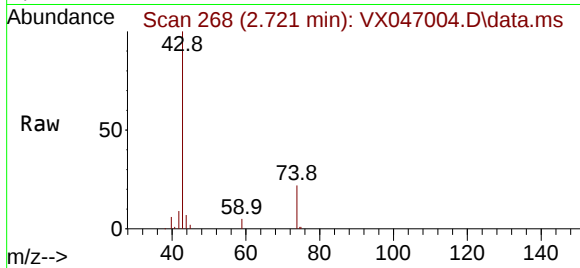




#18
Methyl Acetate
Concen: 11.212 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

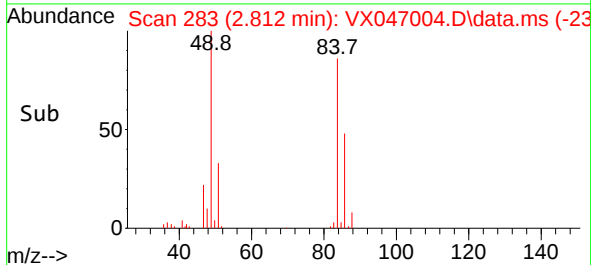
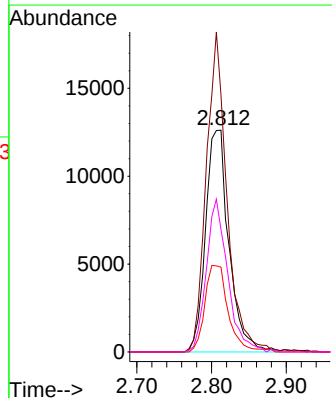
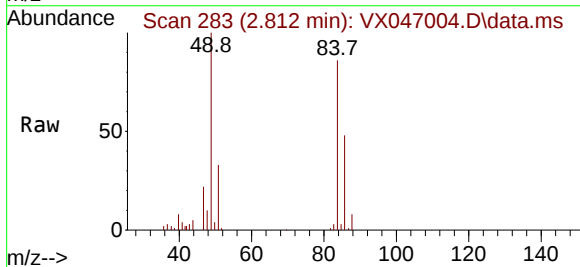
Instrument :
MSVOA_X
ClientSampleId :
TP-16

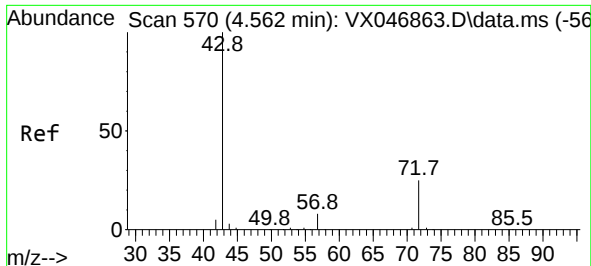
Tgt Ion: 43 Resp: 39311
Ion Ratio Lower Upper
43 100
74 22.6 18.3 27.5



#20
Methylene Chloride
Concen: 6.979 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.012 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion: 84 Resp: 27455
Ion Ratio Lower Upper
84 100
49 115.7 102.8 154.2
51 38.2 31.1 46.7
86 55.2 50.6 75.8





#25

2-Butanone

Concen: 1.993 ug/l

RT: 4.629 min Scan# 51

Delta R.T. 0.067 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

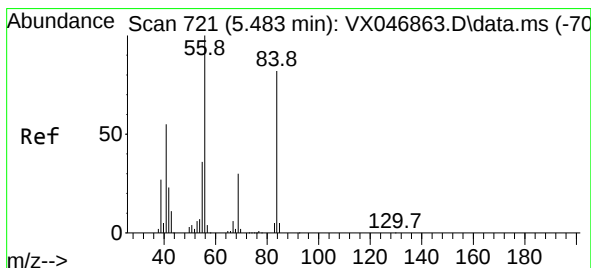
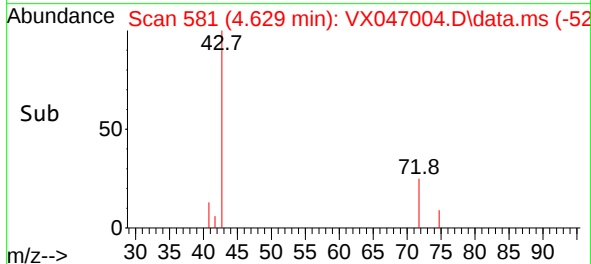
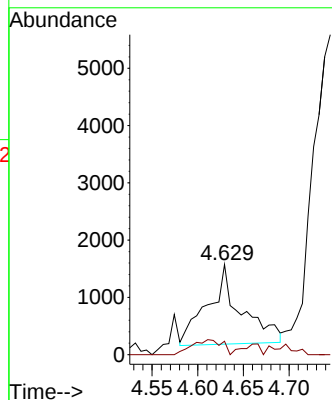
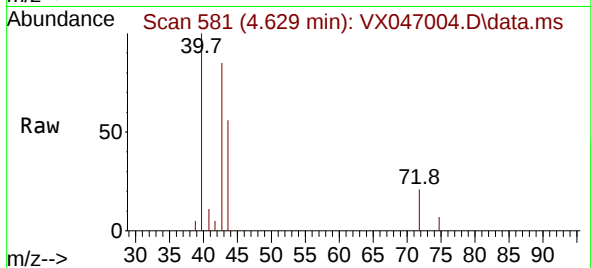
TP-16

Tgt Ion: 43 Resp: 3537

Ion Ratio Lower Upper

43 100

72 13.1 20.0 30.0#



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

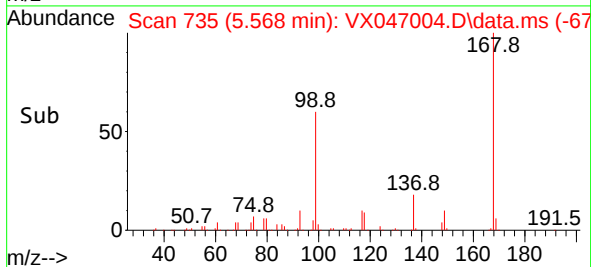
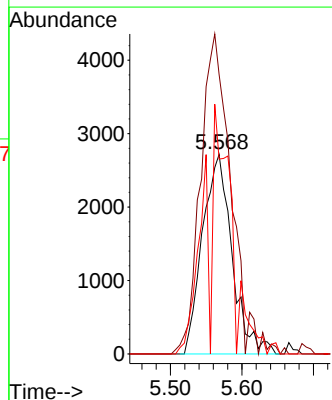
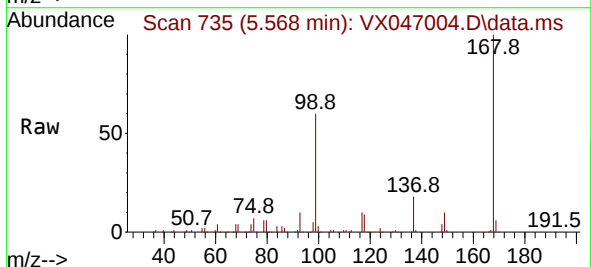
Tgt Ion: 56 Resp: 7799

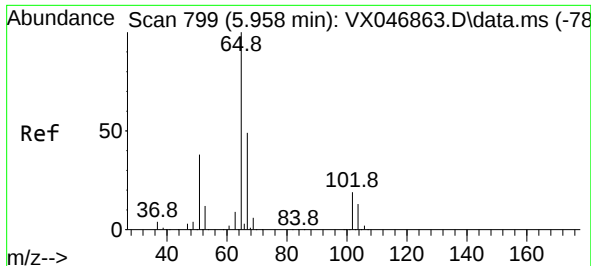
Ion Ratio Lower Upper

56 100

69 140.2 24.0 36.0#

84 97.6 66.5 99.7





#33

1,2-Dichloroethane-d4

Concen: 56.056 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

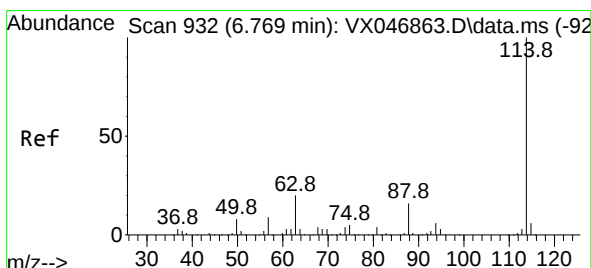
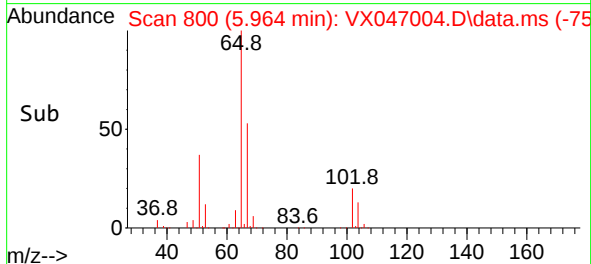
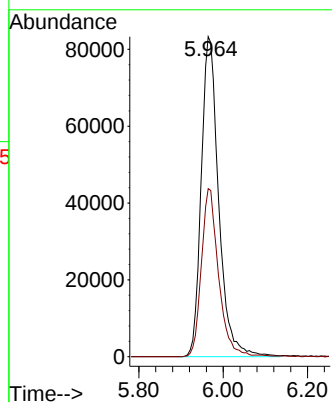
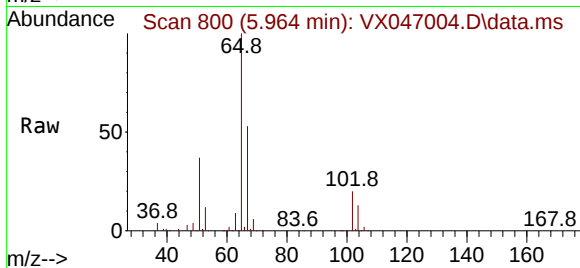
TP-16

Tgt Ion: 65 Resp: 240070

Ion Ratio Lower Upper

65 100

67 51.5 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: VX047004.D

Acq: 15 Jul 2025 16:02

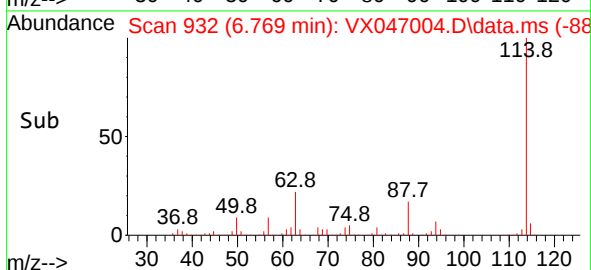
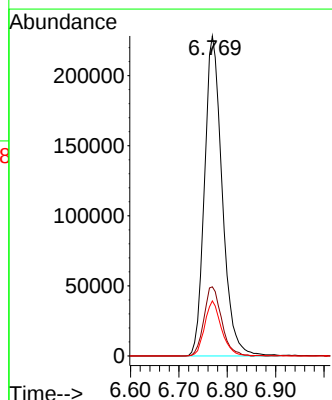
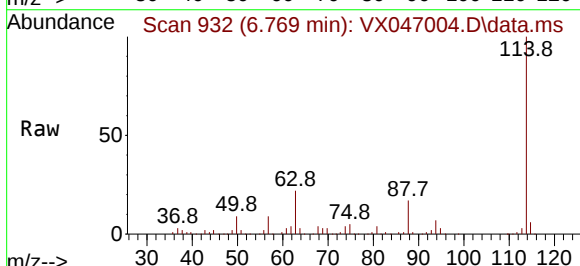
Tgt Ion: 114 Resp: 579936

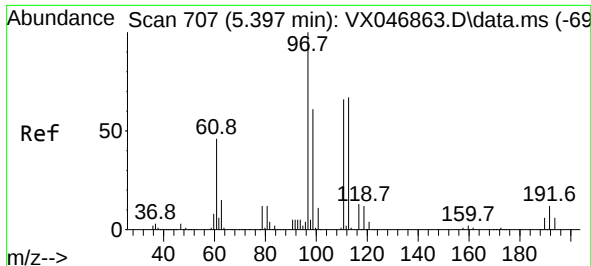
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.4

88 17.2 0.0 31.0

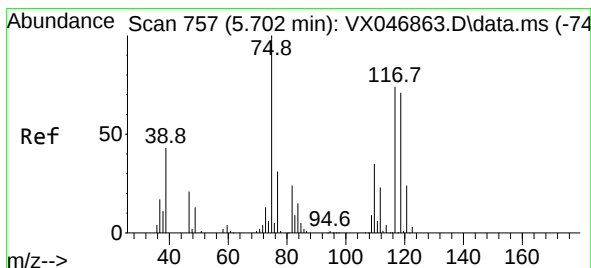
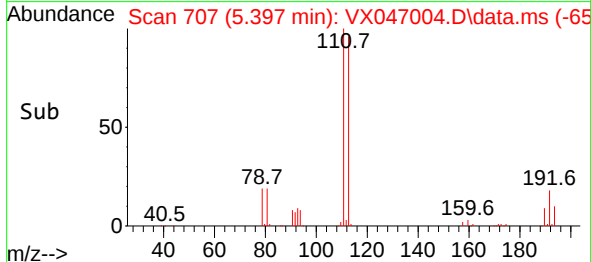
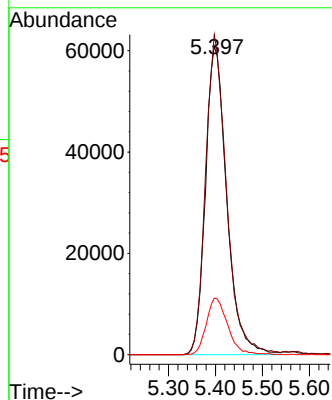
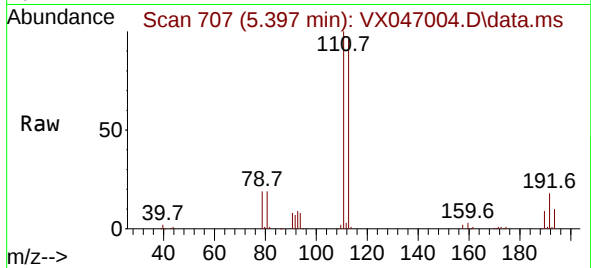




#35
Dibromofluoromethane
Concen: 48.744 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

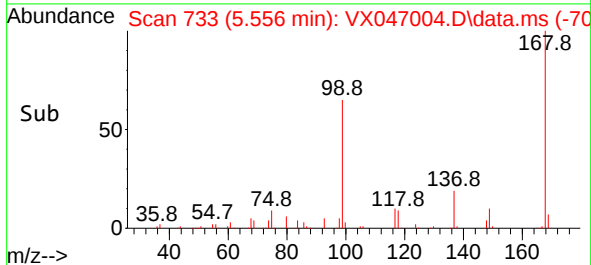
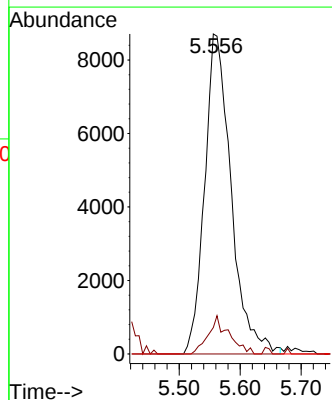
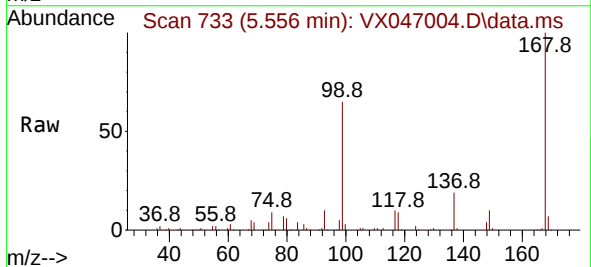
Instrument :
MSVOA_X
ClientSampleId :
TP-16

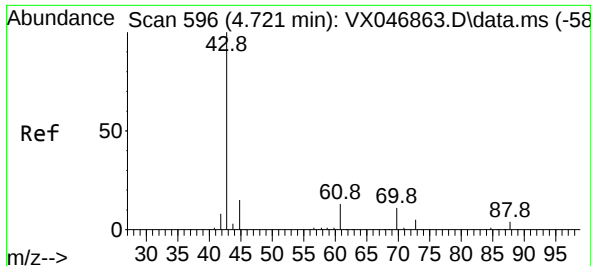
Tgt Ion:113 Resp: 191887
Ion Ratio Lower Upper
113 100
111 102.2 81.2 121.8
192 18.4 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.947 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion: 75 Resp: 26275
Ion Ratio Lower Upper
75 100
110 9.3 17.3 51.9#
77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 4.416 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.024 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

TP-16

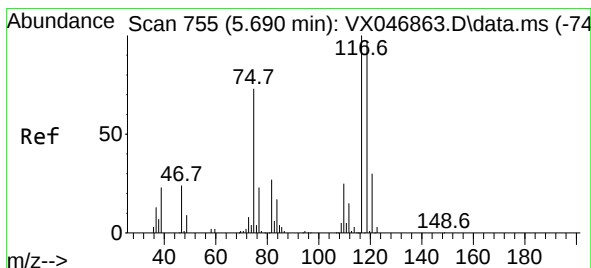
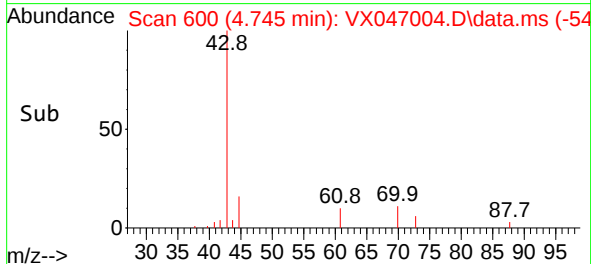
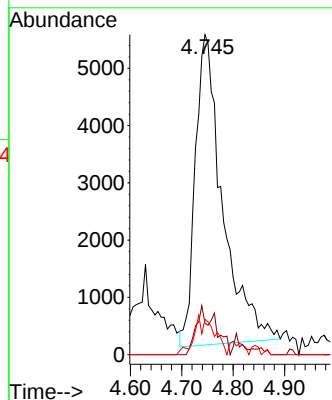
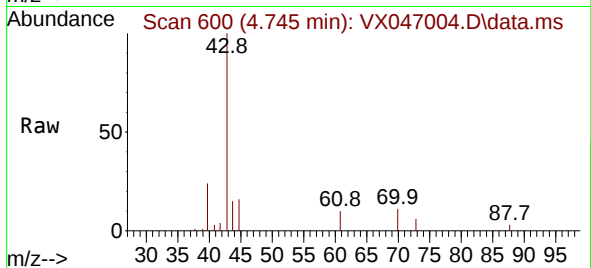
Tgt Ion: 43 Resp: 19975

Ion Ratio Lower Upper

43 100

61 6.2 9.7 14.5#

70 3.9 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

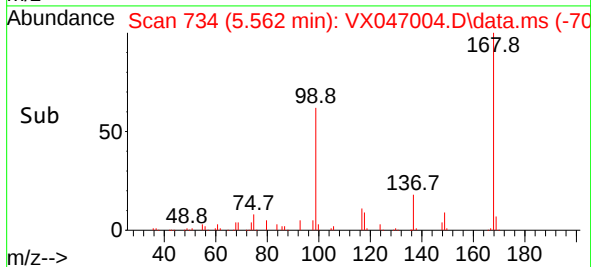
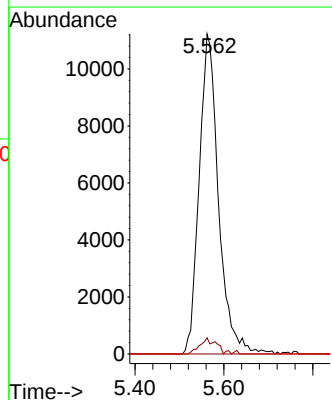
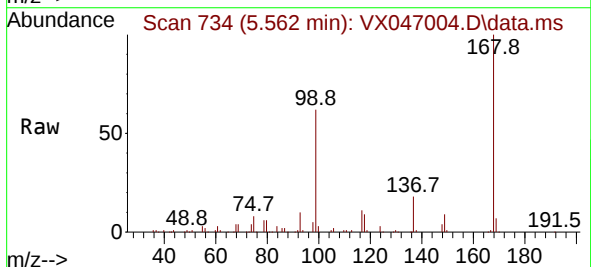
Tgt Ion: 117 Resp: 34023

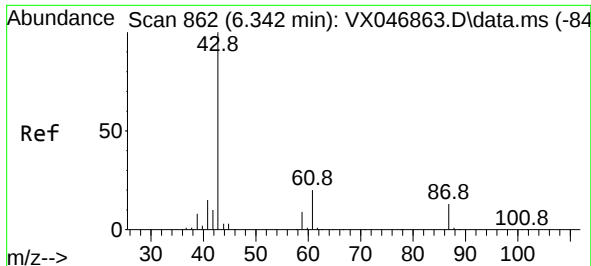
Ion Ratio Lower Upper

117 100

119 5.0 76.6 114.8#

121 0.0 24.1 36.1#

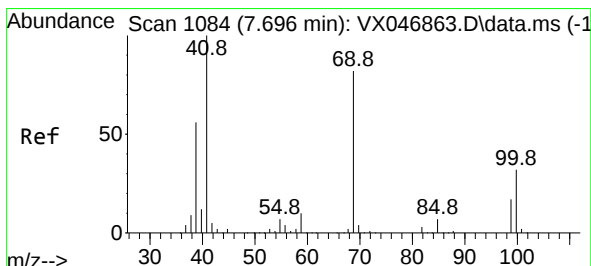
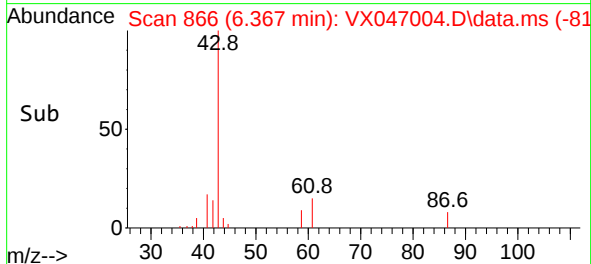
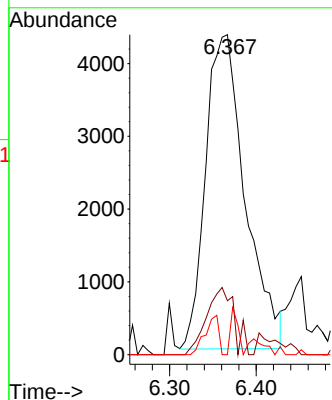
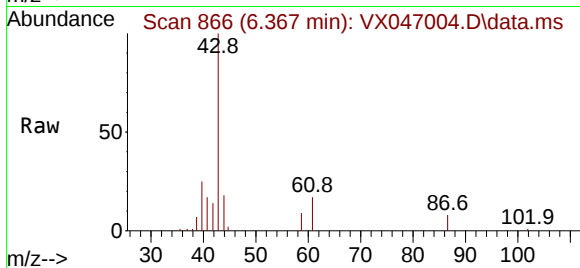




#43
Isopropyl Acetate
Concen: 1.981 ug/l
RT: 6.367 min Scan# 81
Delta R.T. 0.024 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

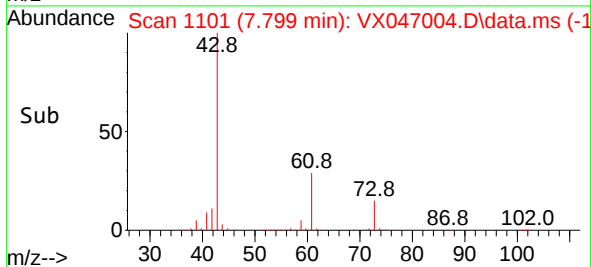
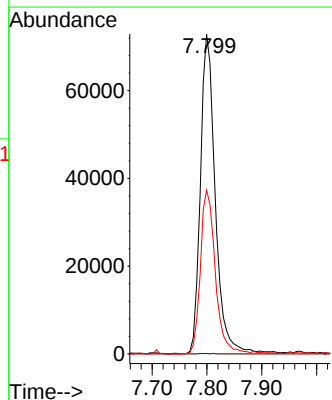
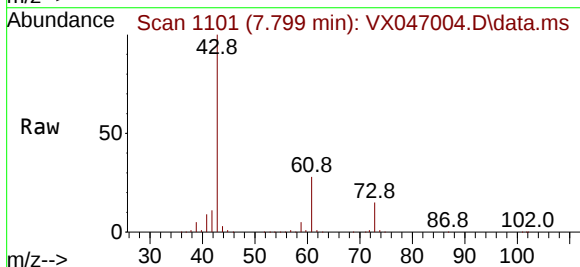
Instrument :
MSVOA_X
ClientSampleId :
TP-16

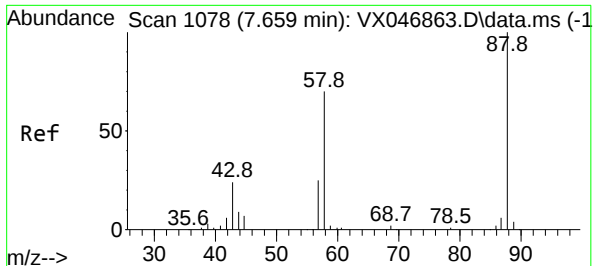
Tgt Ion: 43 Resp: 13723
Ion Ratio Lower Upper
43 100
61 14.9 15.7 23.5#
87 2.8 10.1 15.1#



#48
Methyl methacrylate
Concen: 38.375 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion: 41 Resp: 137298
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 51.4 43.8 65.6





#49

1,4-Dioxane

Concen: 0.893 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. -0.012 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

Instrument :

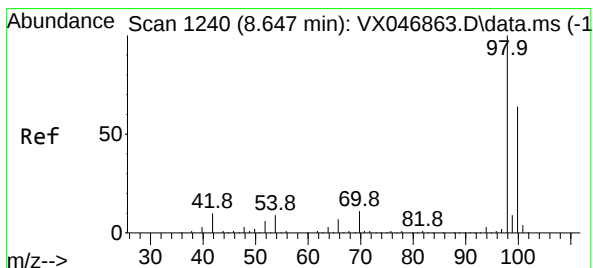
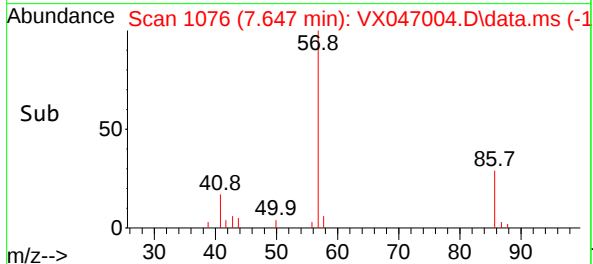
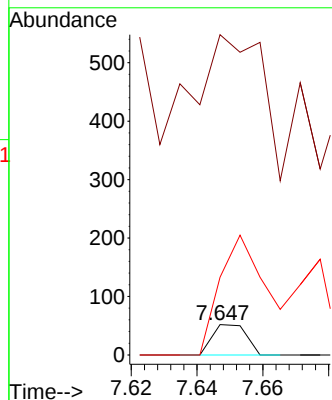
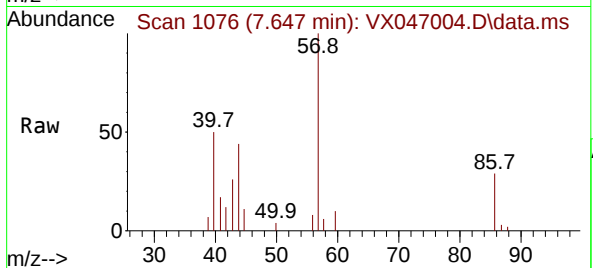
MSVOA_X

ClientSampleId :

TP-16

Tgt Ion: 88 Resp: 37

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.7	47.5#
58	543.2	57.5	86.3#



#50

Toluene-d8

Concen: 47.807 ug/l

RT: 8.653 min Scan# 1241

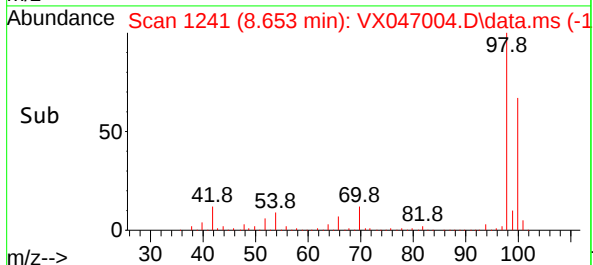
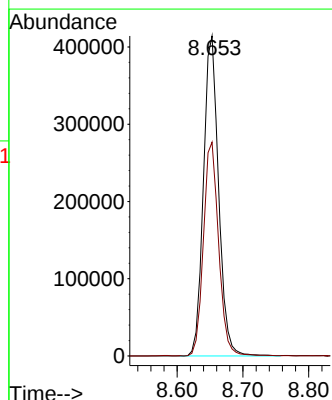
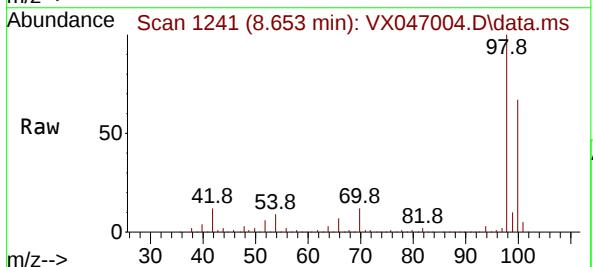
Delta R.T. 0.006 min

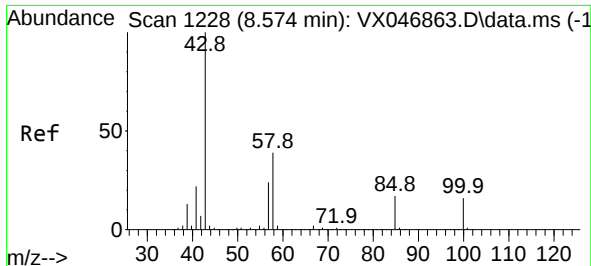
Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

Tgt Ion: 98 Resp: 664003

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.6

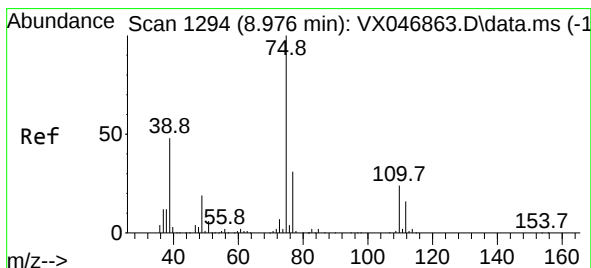
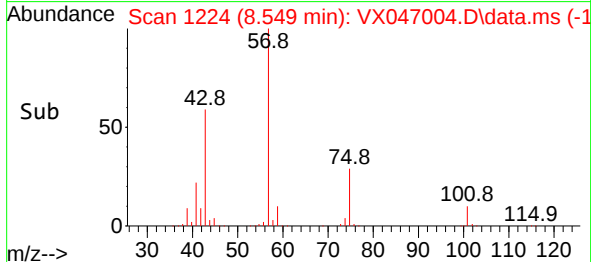
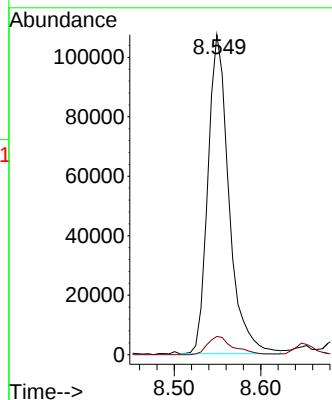
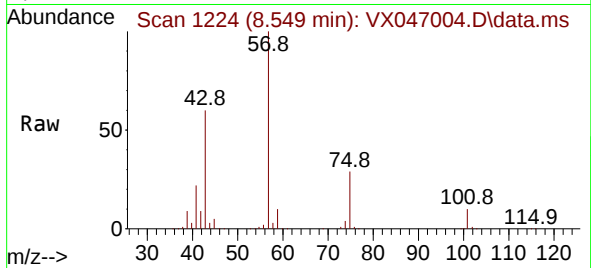




#51
4-Methyl-2-Pentanone
Concen: 44.239 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

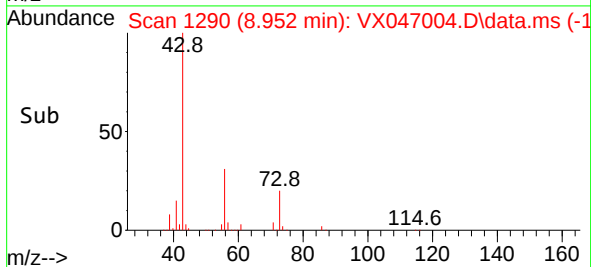
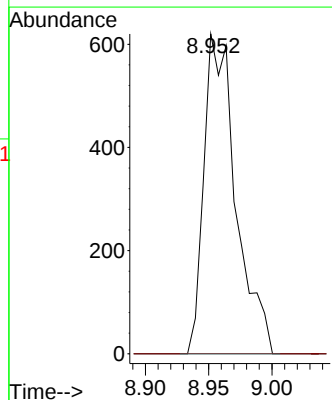
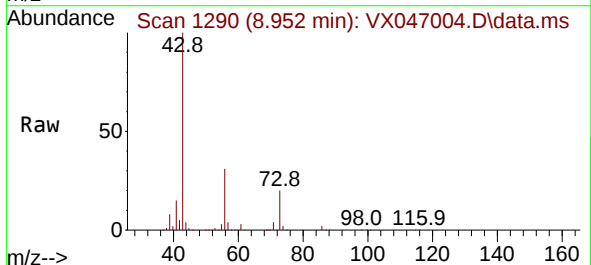
Instrument :
MSVOA_X
ClientSampleId :
TP-16

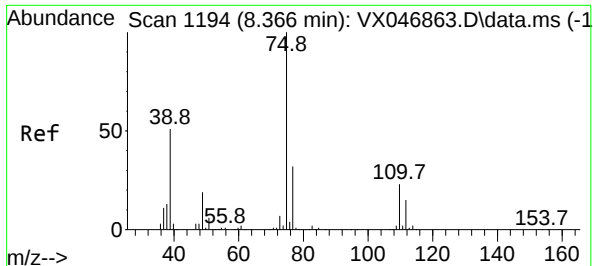
Tgt Ion: 43 Resp: 180908
Ion Ratio Lower Upper
43 100
58 7.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.203 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion: 75 Resp: 1086
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

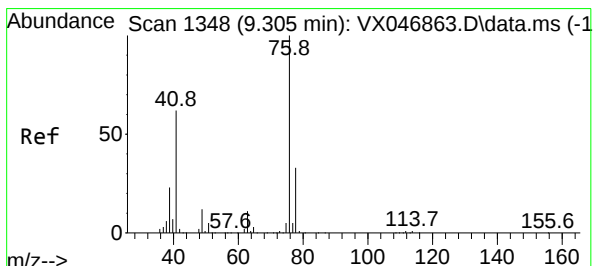
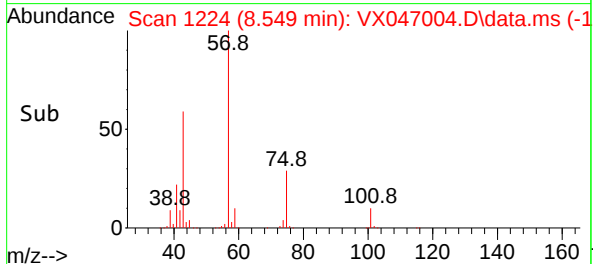
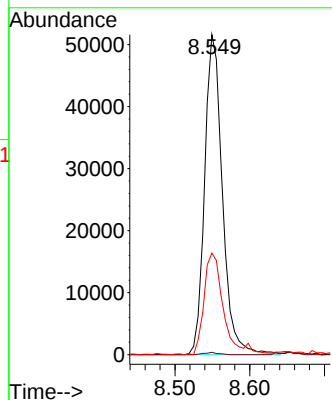
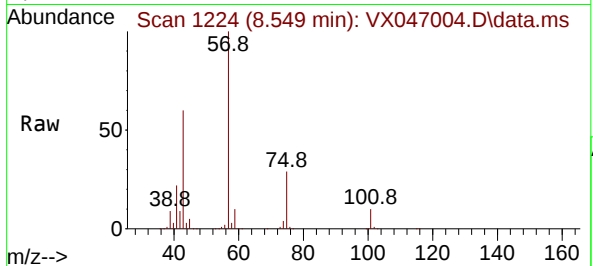




#54
 cis-1,3-Dichloropropene
 Concen: 13.922 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX047004.D
 Acq: 15 Jul 2025 16:02

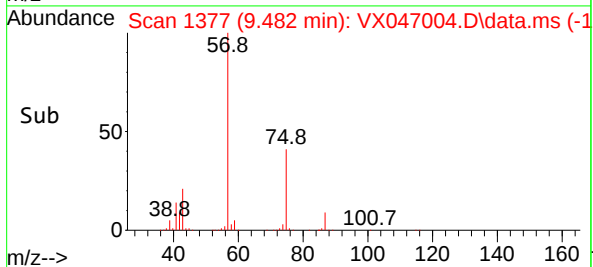
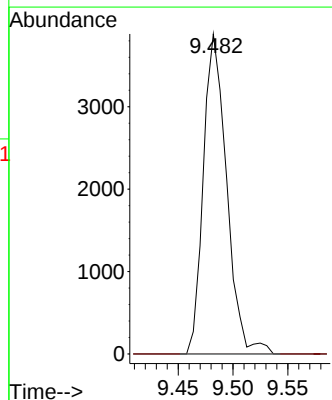
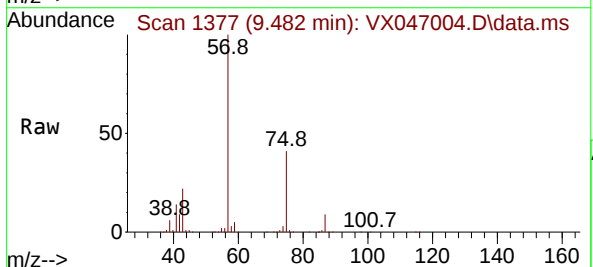
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-16

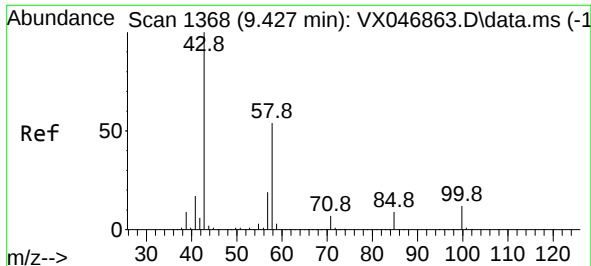
Tgt Ion: 75 Resp: 85157
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.4 38.2#
 39 31.0 40.7 61.1#



#57
 1,3-Dichloropropane
 Concen: 0.898 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX047004.D
 Acq: 15 Jul 2025 16:02

Tgt Ion: 76 Resp: 5734
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 8.564 ug/l

RT: 9.378 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

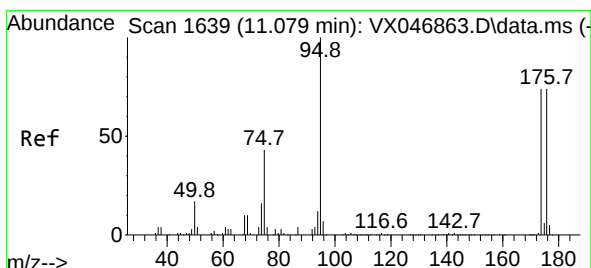
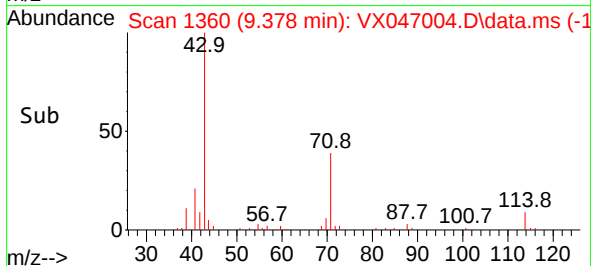
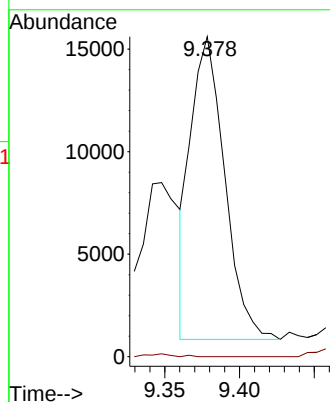
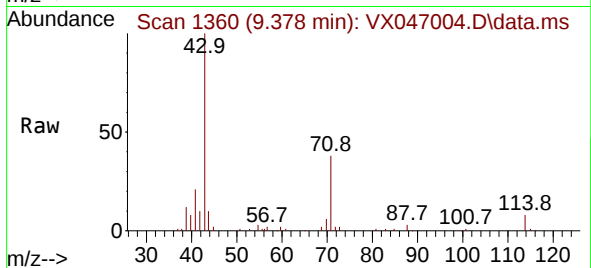
TP-16

Tgt Ion: 43 Resp: 23230

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#



#62

4-Bromofluorobenzene

Concen: 50.148 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX047004.D

Acq: 15 Jul 2025 16:02

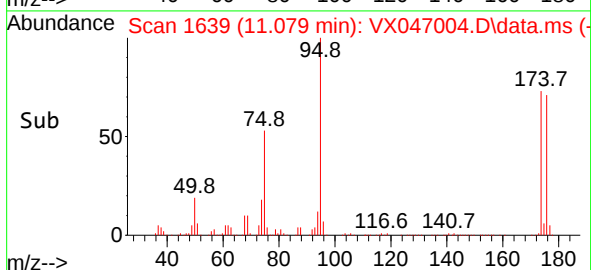
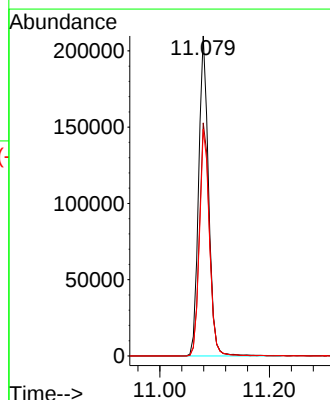
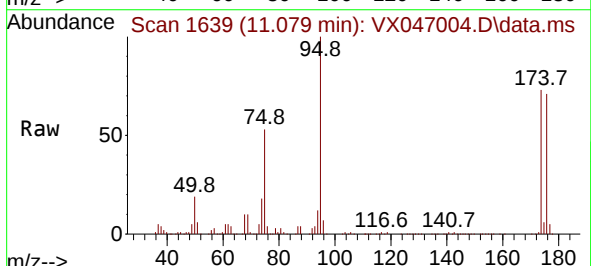
Tgt Ion: 95 Resp: 264714

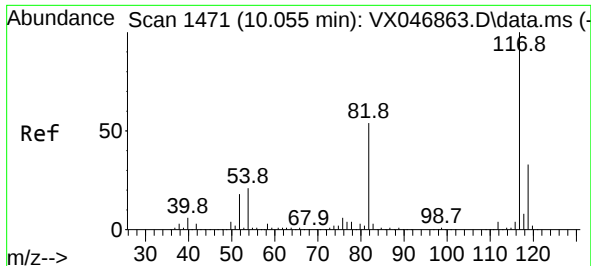
Ion Ratio Lower Upper

95 100

174 74.0 0.0 152.0

176 71.3 0.0 145.2

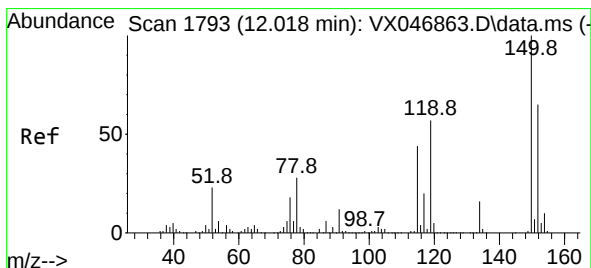
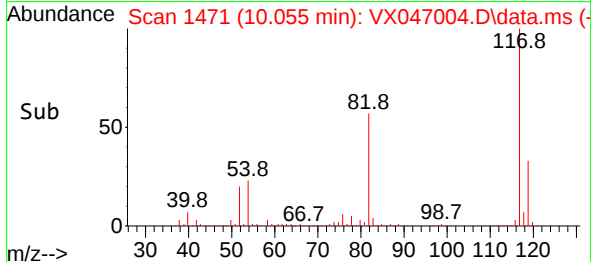
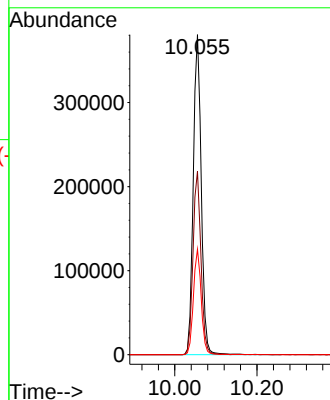
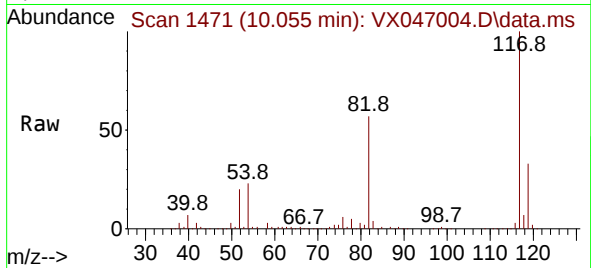




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

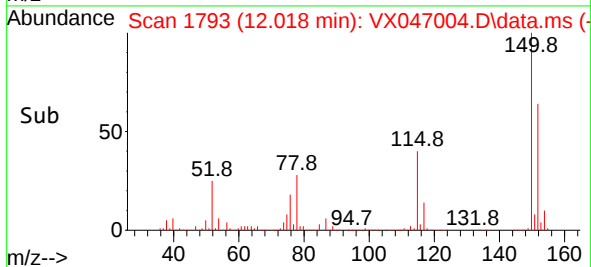
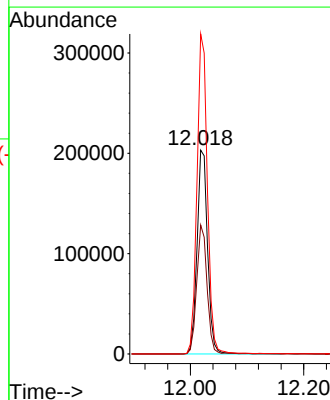
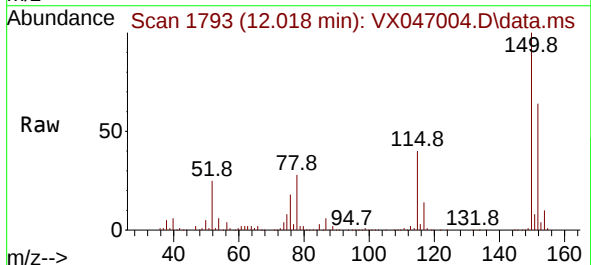
Instrument :
MSVOA_X
ClientSampleId :
TP-16

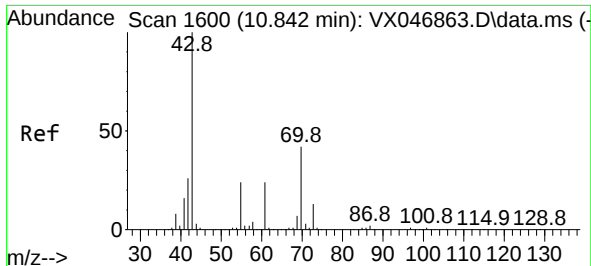
Tgt Ion:117 Resp: 513078
Ion Ratio Lower Upper
117 100
82 57.3 43.3 64.9
119 33.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Tgt Ion:152 Resp: 261348
Ion Ratio Lower Upper
152 100
115 62.6 42.4 127.1
150 155.3 0.0 349.2

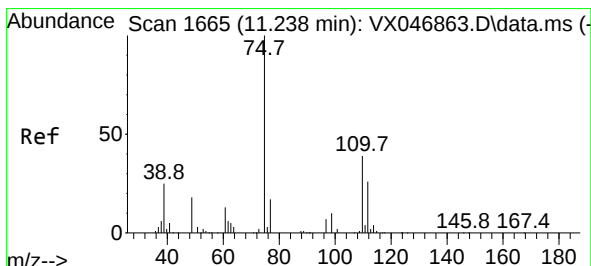
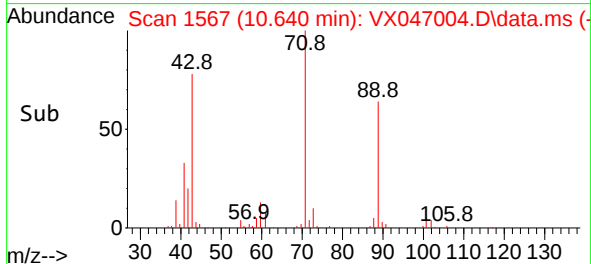
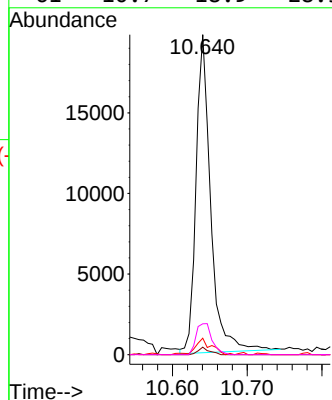
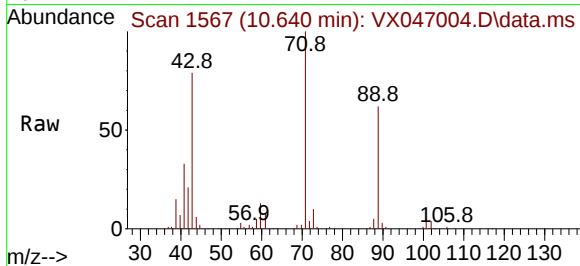




#74
N-amy1 acetate
Concen: 4.291 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

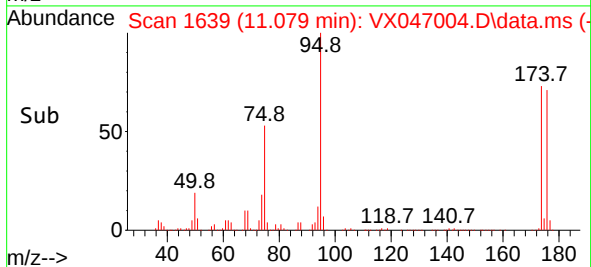
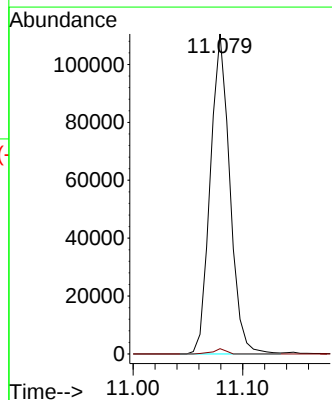
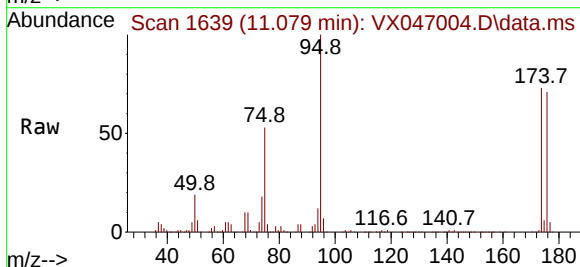
Instrument :
MSVOA_X
ClientSampleId :
TP-16

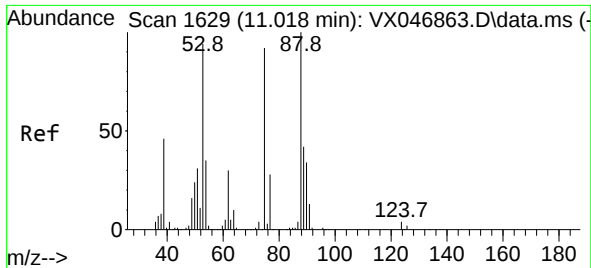
Tgt Ion:	43	Resp:	26790
Ion	Ratio	Lower	Upper
43	100		
70	1.8	33.4	50.2#
55	5.6	19.6	29.4#
61	10.7	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 33.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

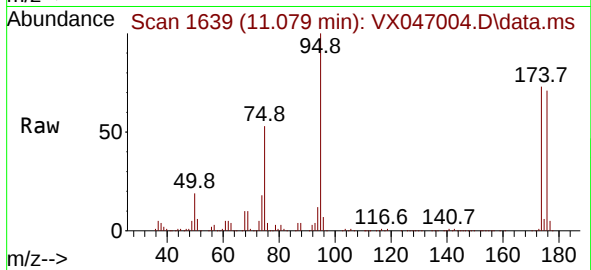
Tgt Ion:	75	Resp:	136956
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.6	61.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 91.011 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047004.D
Acq: 15 Jul 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
TP-16



Tgt Ion: 75 Resp: 136956
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

