

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047003.D
 Acq On : 15 Jul 2025 15:41
 Operator : JC/MD
 Sample : Q2571-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-17

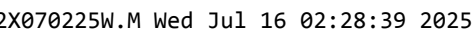
Quant Time: Jul 16 02:28:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

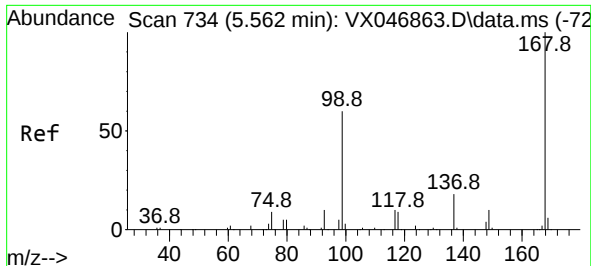
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	298261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	536498	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	466455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	227747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	236111	59.922	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.840%#			
35) Dibromofluoromethane	5.397	113	187612	51.517	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.653	98	606716	47.219	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.440%			
62) 4-Bromofluorobenzene	11.079	95	240974	49.346	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.700%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	577	0.265	ug/l	97
6) Chloroethane	1.697	64	1174	0.524	ug/l #	42
11) Tert butyl alcohol	2.953	59	361	1.397	ug/l #	72
13) Acrolein	2.246	56	267	3.759	ug/l #	79
16) Acetone	2.392	43	90355	73.823	ug/l	95
18) Methyl Acetate	2.721	43	36674	11.368	ug/l	96
20) Methylene Chloride	2.806	84	37631	10.397	ug/l	94
25) 2-Butanone	4.611	43	13037	7.984	ug/l	99
31) Cyclohexane	5.562	56	6903	1.226	ug/l #	6
36) 1,1-Dichloropropene	5.562	75	23370	4.756	ug/l #	51
37) Ethyl Acetate	4.745	43	22783	5.444	ug/l #	90
38) Carbon Tetrachloride	5.556	117	31196	6.005	ug/l #	16
43) Isopropyl Acetate	6.361	43	15546	2.425	ug/l #	88
48) Methyl methacrylate	7.799	41	130948	39.564	ug/l #	44
49) 1,4-Dioxane	7.806	88	205	5.345	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	178281	47.126	ug/l #	50
53) t-1,3-Dichloropropene	8.946	75	1064	0.215	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	79556	14.059	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	5597	0.948	ug/l #	42
59) 2-Hexanone	9.378	43	25515	10.168	ug/l #	24
74) N-amyl acetate	10.860	43	1364	0.251	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	124436	35.361	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	124436	94.891	ug/l #	8
95) Naphthalene	13.786	128	2831	0.219	ug/l #	92

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

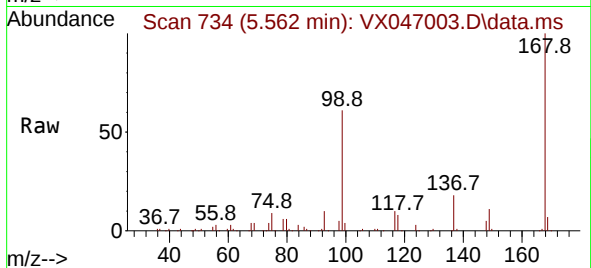
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
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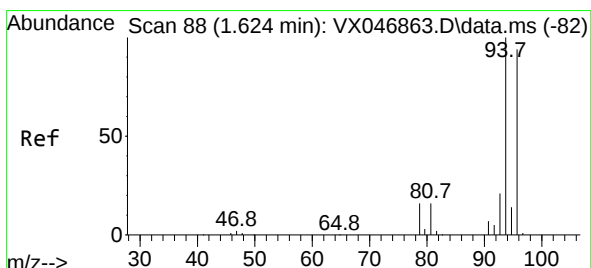
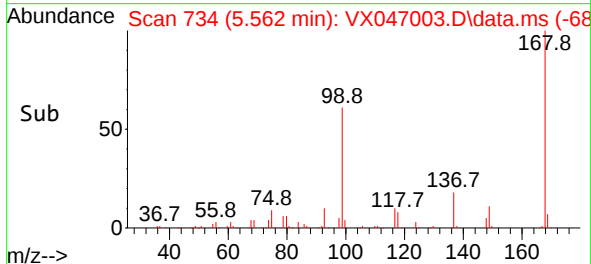
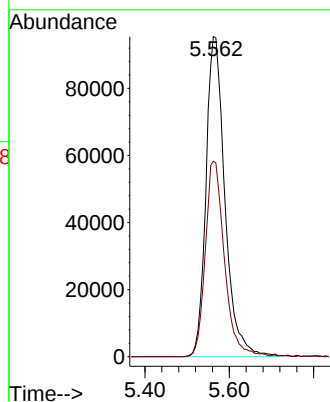


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

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MSVOA_X
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TP-17

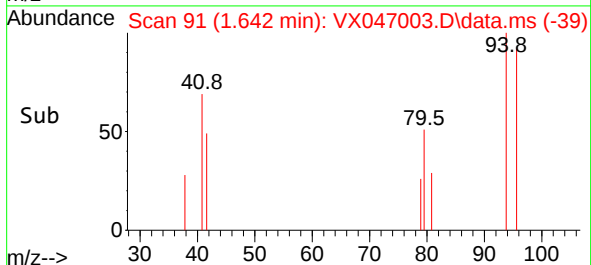
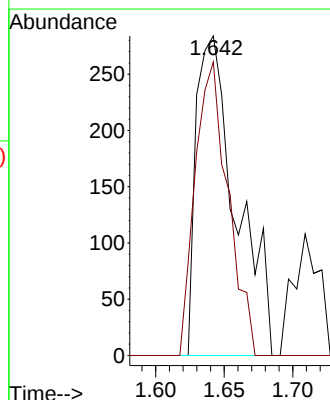
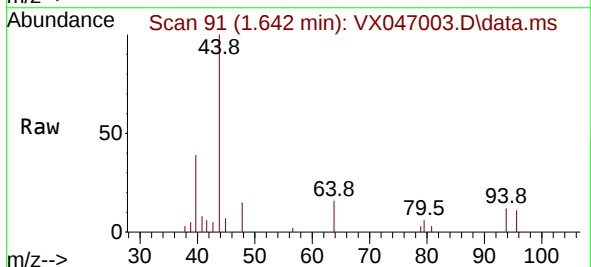


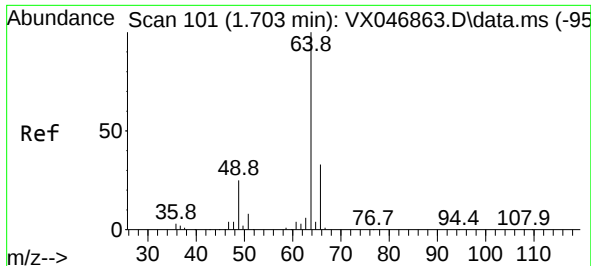
Tgt Ion:168 Resp: 298261
Ion Ratio Lower Upper
168 100
99 61.0 48.8 73.2



#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 94 Resp: 577
Ion Ratio Lower Upper
94 100
96 91.9 75.5 113.3

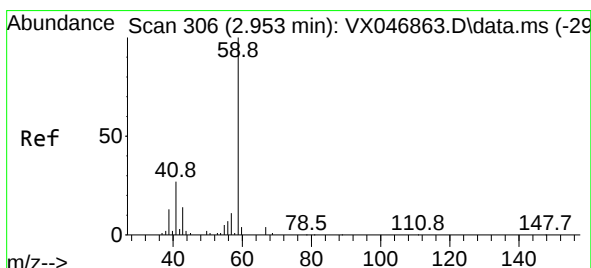
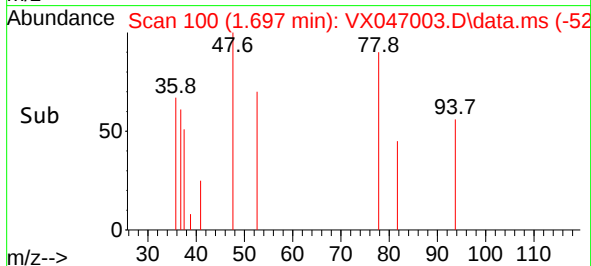
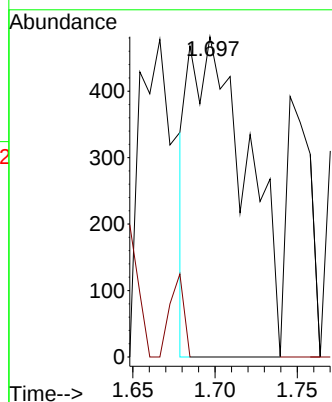
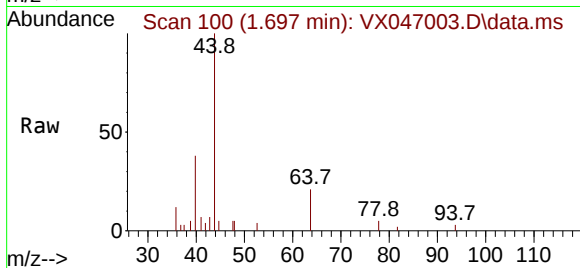




#6
Chloroethane
Concen: 0.524 ug/l
RT: 1.697 min Scan# 101
Delta R.T. -0.006 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

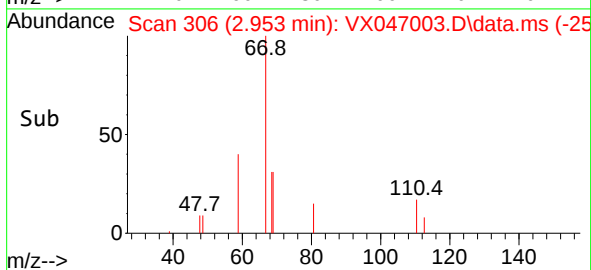
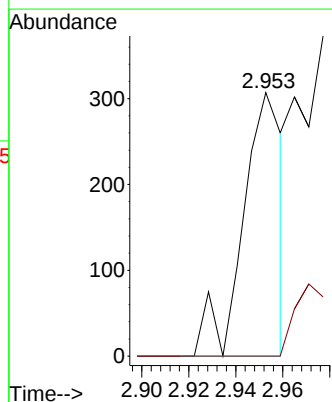
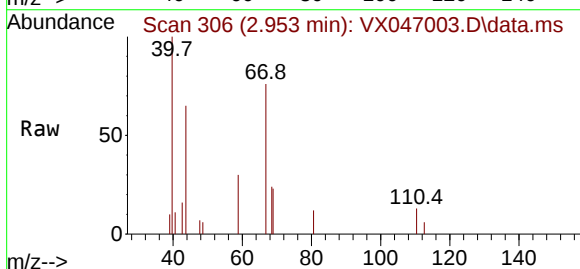
Instrument :
MSVOA_X
ClientSampleId :
TP-17

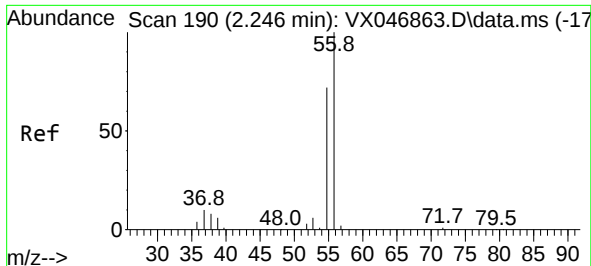
Tgt Ion: 64 Resp: 1174
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.397 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 21.1 8.5 12.7#

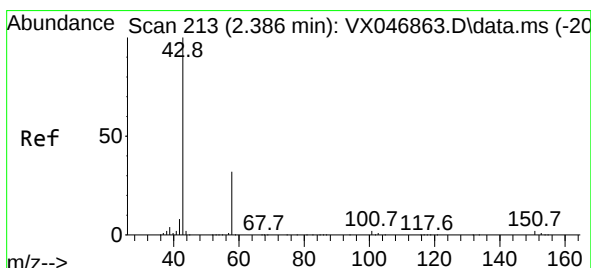
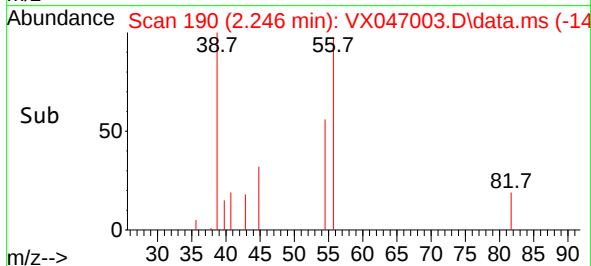
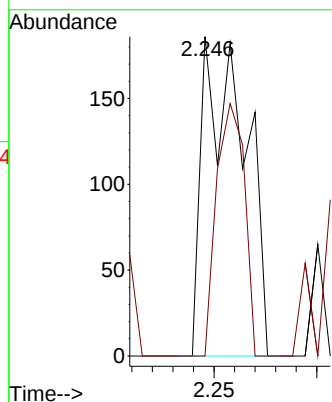
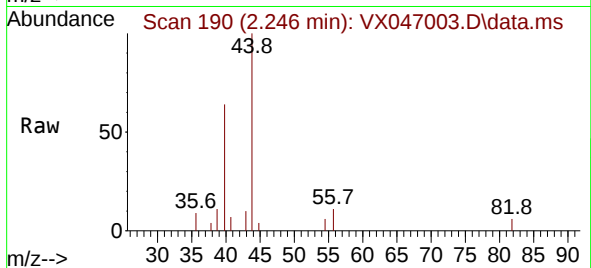




#13
Acrolein
Concen: 3.759 ug/l
RT: 2.246 min Scan# 190
Delta R.T. -0.000 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

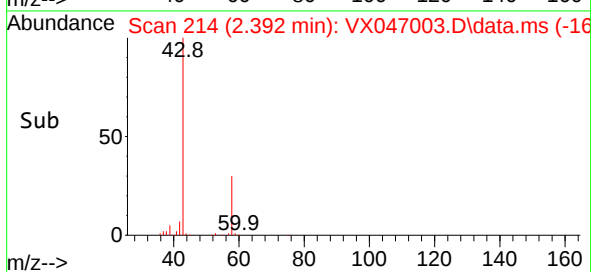
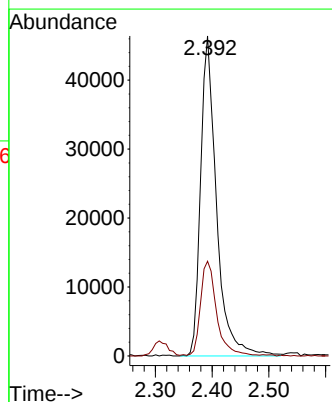
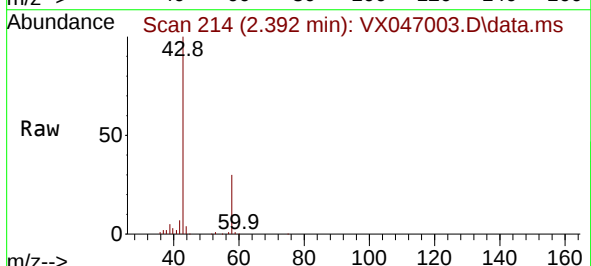
Instrument : MSVOA_X
ClientSampleId : TP-17

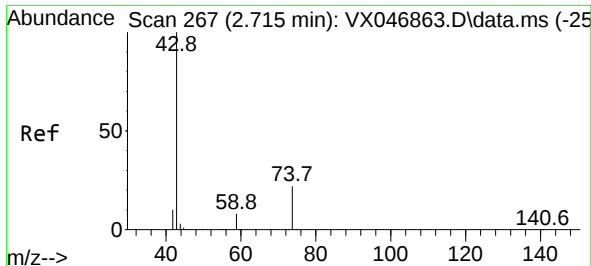
Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 52.1 55.5 83.3#



#16
Acetone
Concen: 73.823 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 43 Resp: 90355
Ion Ratio Lower Upper
43 100
58 29.4 25.8 38.6

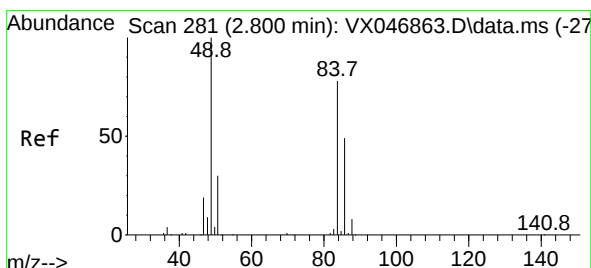
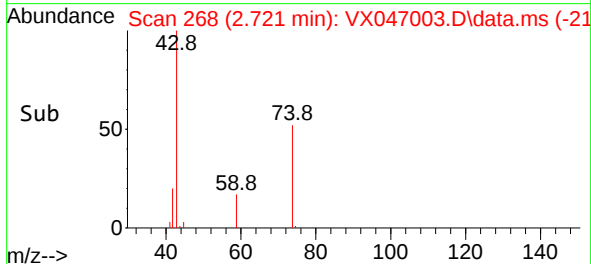
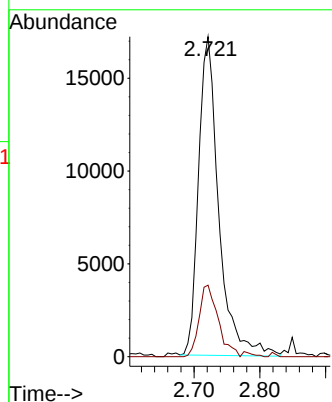
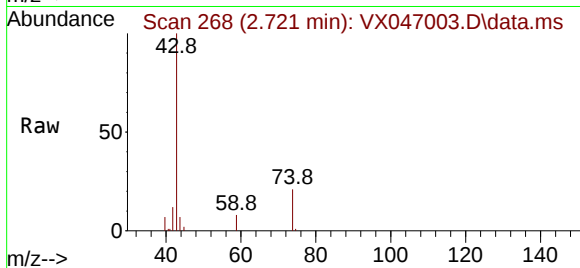




#18
Methyl Acetate
Concen: 11.368 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

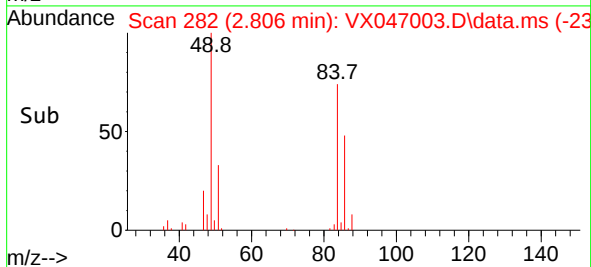
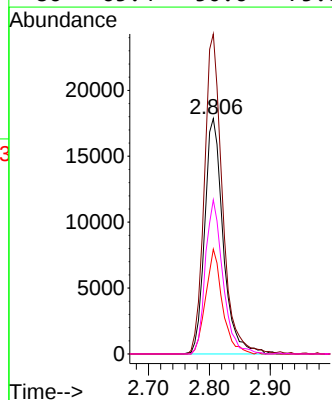
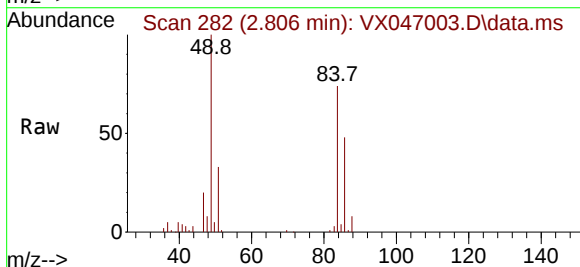
Instrument :
MSVOA_X
ClientSampleId :
TP-17

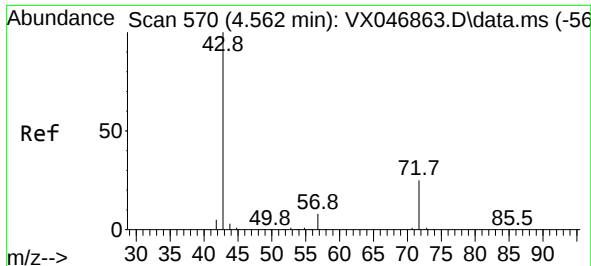
Tgt Ion: 43 Resp: 36674
Ion Ratio Lower Upper
43 100
74 21.0 18.3 27.5



#20
Methylene Chloride
Concen: 10.397 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 84 Resp: 37631
Ion Ratio Lower Upper
84 100
49 135.9 102.8 154.2
51 44.5 31.1 46.7
86 65.4 50.6 75.8

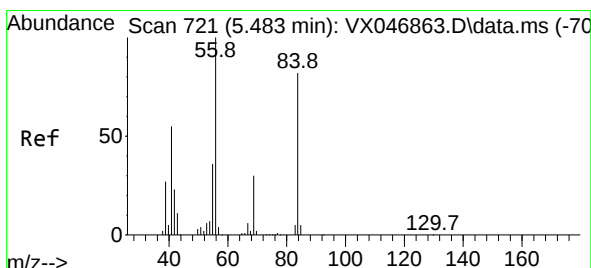
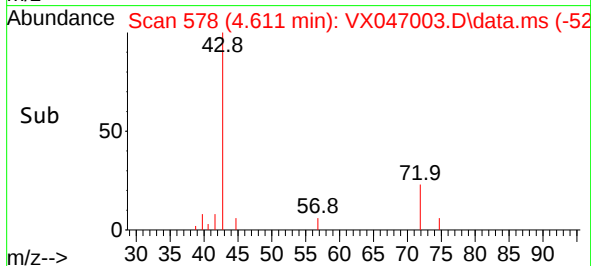
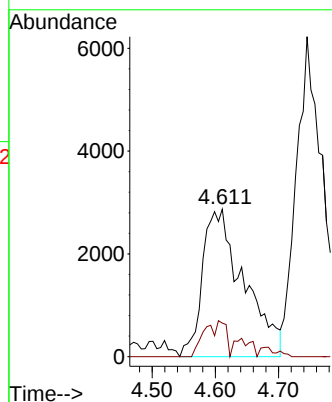
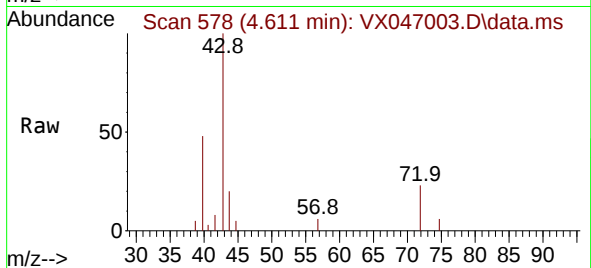




#25
2-Butanone
Concen: 7.984 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

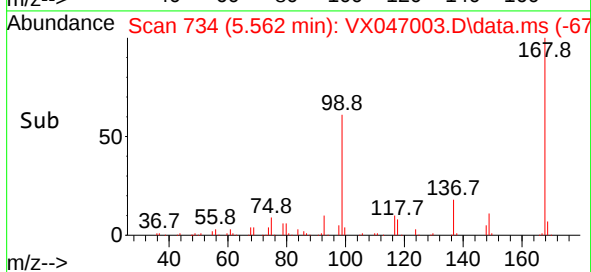
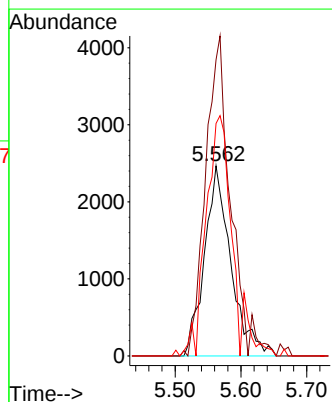
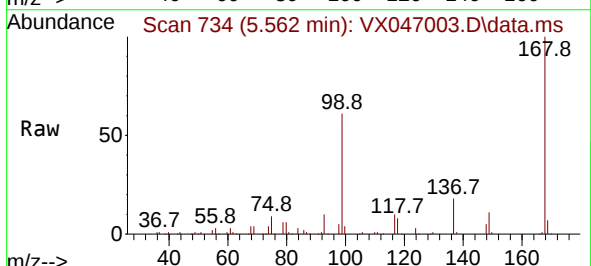
Instrument :
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ClientSampleId :
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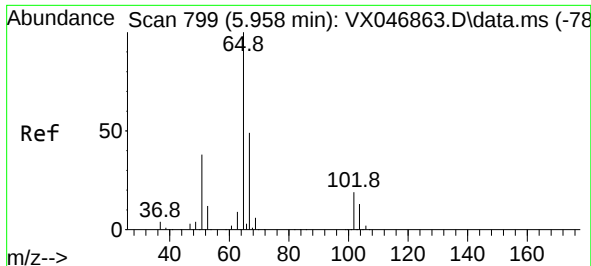
Tgt Ion: 43 Resp: 13037
Ion Ratio Lower Upper
43 100
72 24.3 20.0 30.0



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 56 Resp: 6903
Ion Ratio Lower Upper
56 100
69 155.8 24.0 36.0#
84 122.4 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 59.922 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX047003.D

Acq: 15 Jul 2025 15:41

Instrument :

MSVOA_X

ClientSampleId :

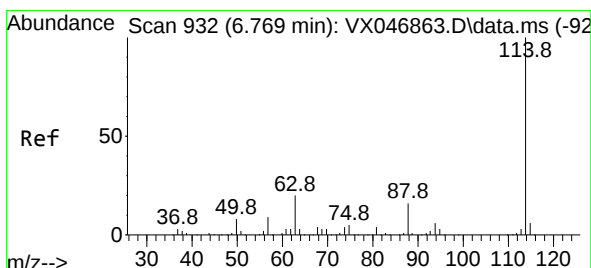
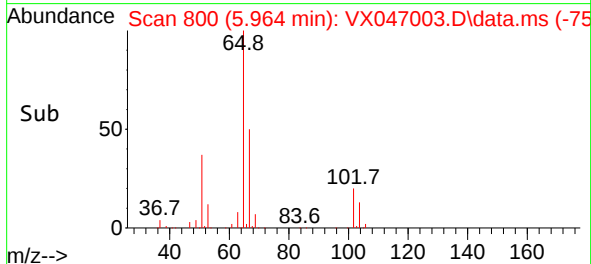
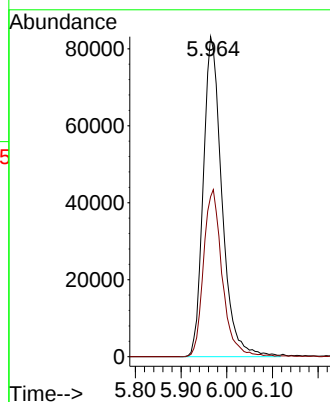
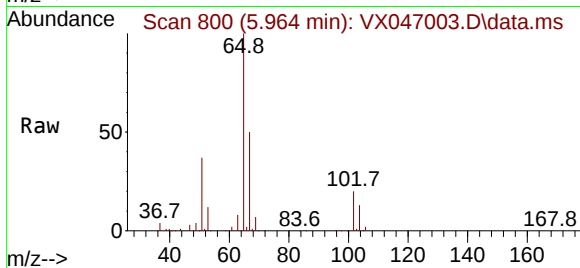
TP-17

Tgt Ion: 65 Resp: 236111

Ion Ratio Lower Upper

65 100

67 52.5 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: VX047003.D

Acq: 15 Jul 2025 15:41

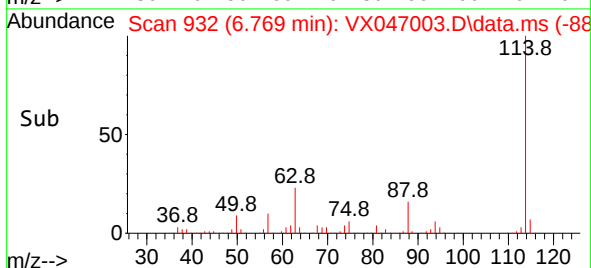
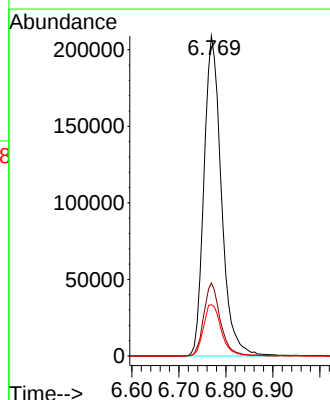
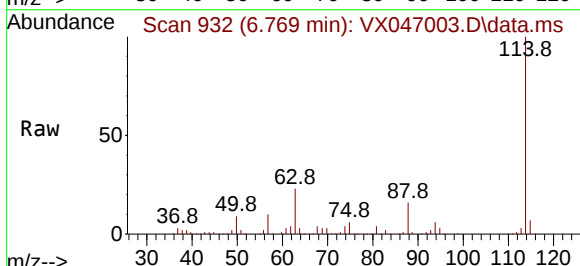
Tgt Ion: 114 Resp: 536498

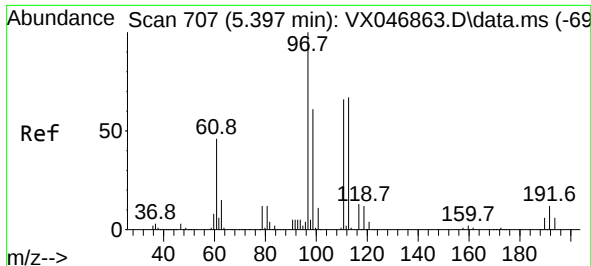
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.4

88 16.0 0.0 31.0

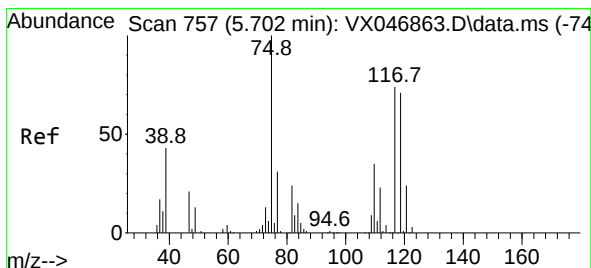
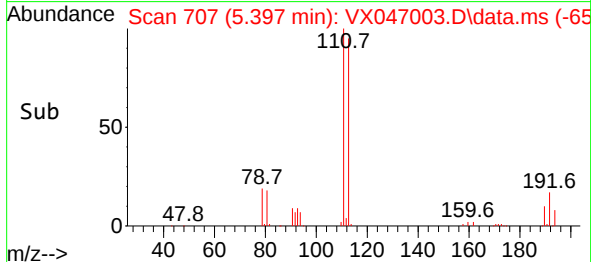
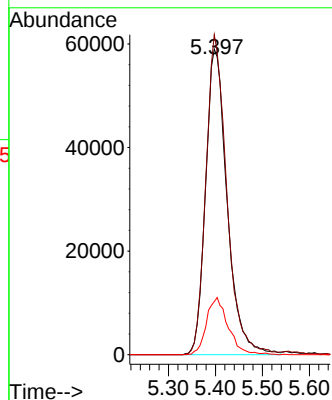
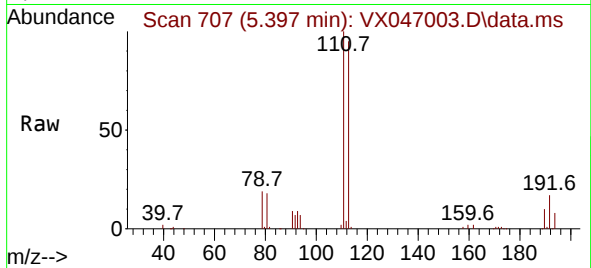




#35
Dibromofluoromethane
Concen: 51.517 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

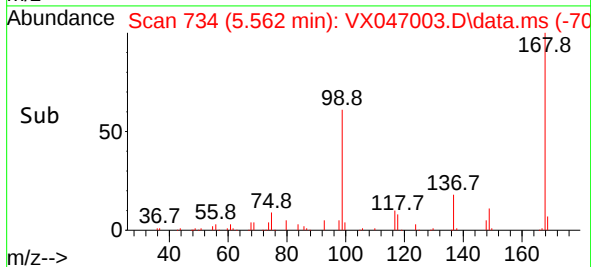
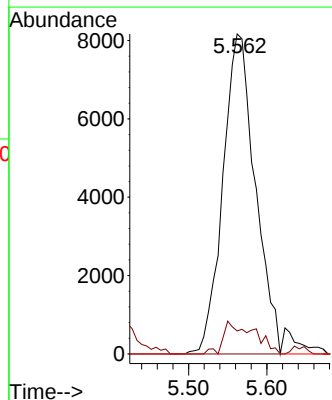
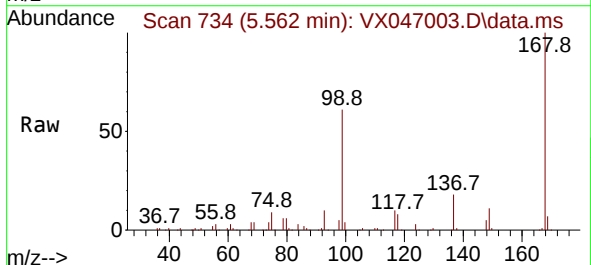
Instrument :
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TP-17

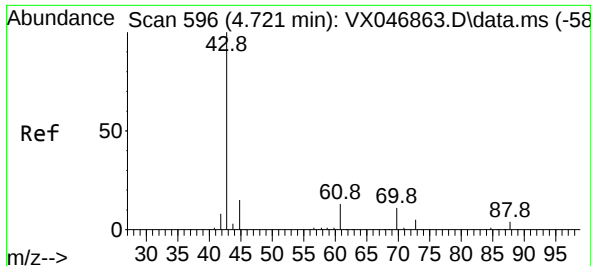
Tgt Ion:113 Resp: 187612
Ion Ratio Lower Upper
113 100
111 102.0 81.2 121.8
192 18.8 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 75 Resp: 23370
Ion Ratio Lower Upper
75 100
110 9.7 17.3 51.9#
77 0.0 24.2 36.4#

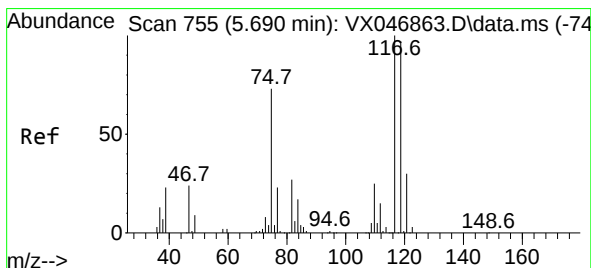
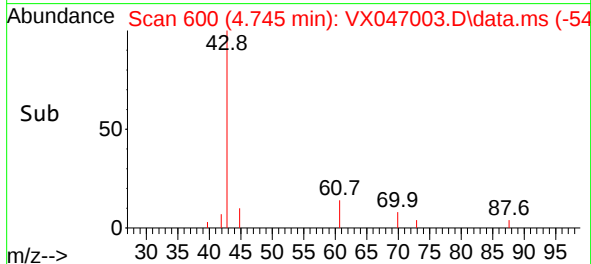
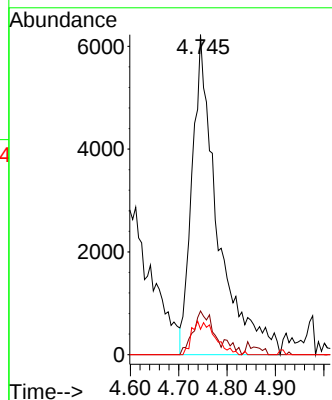
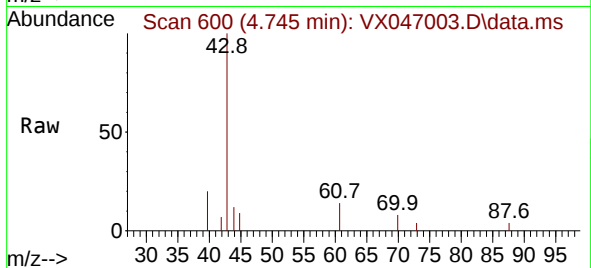




#37
Ethyl Acetate
Concen: 5.444 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.024 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

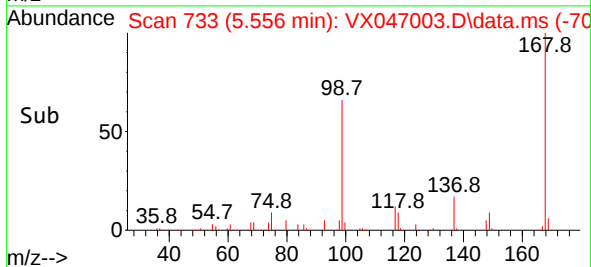
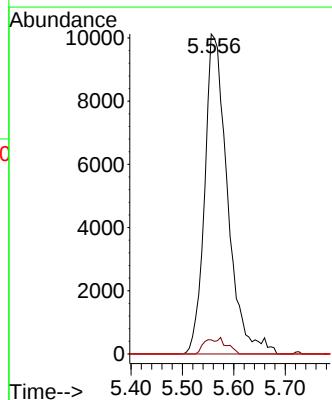
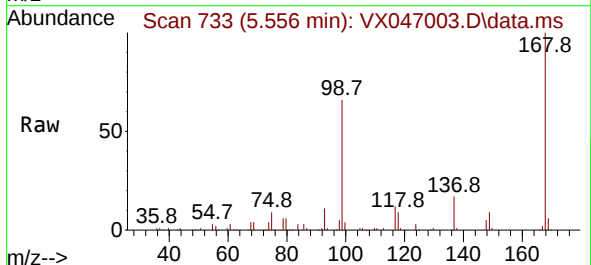
Instrument :
MSVOA_X
ClientSampleId :
TP-17

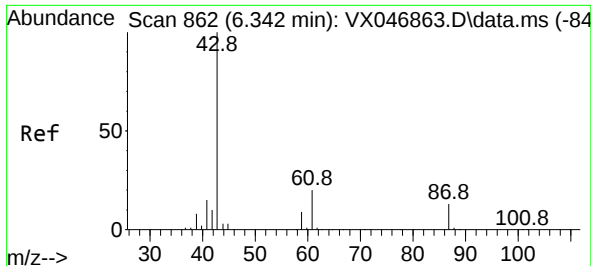
Tgt Ion: 43 Resp: 22783
Ion Ratio Lower Upper
43 100
61 10.4 9.7 14.5
70 3.8 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 117 Resp: 31196
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 24.1 36.1#

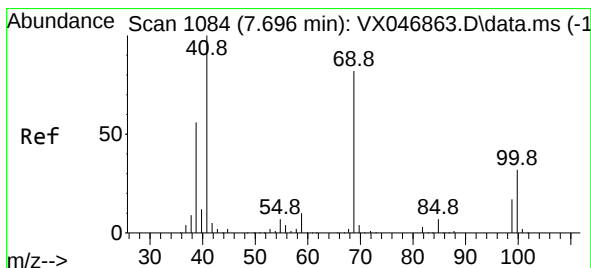
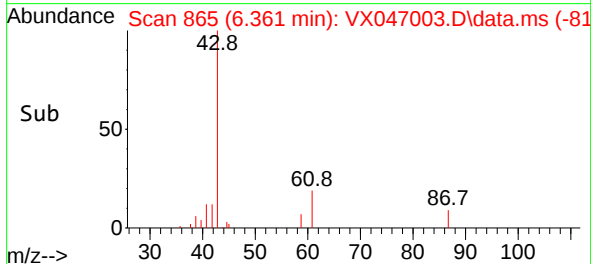
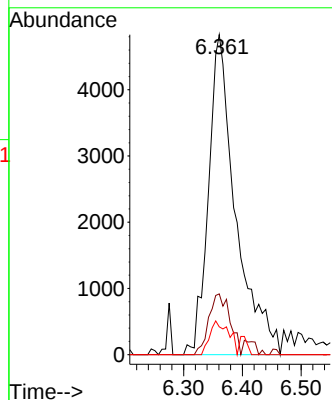
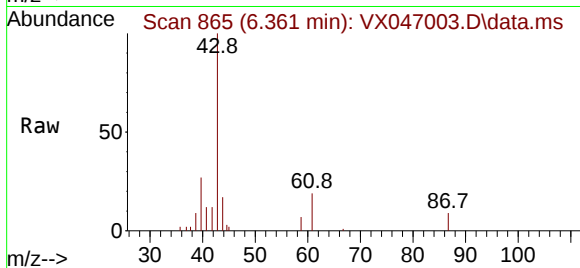




#43
Isopropyl Acetate
Concen: 2.425 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

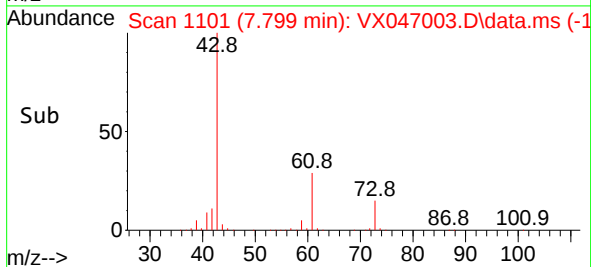
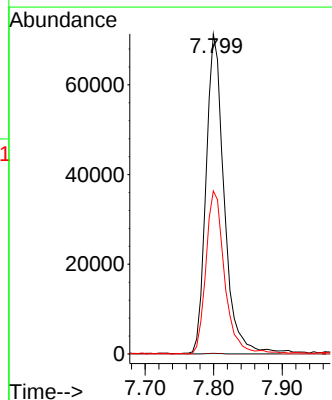
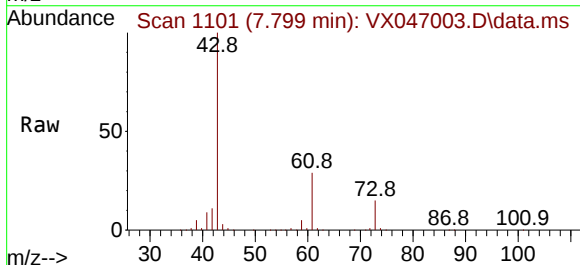
Instrument :
MSVOA_X
ClientSampleId :
TP-17

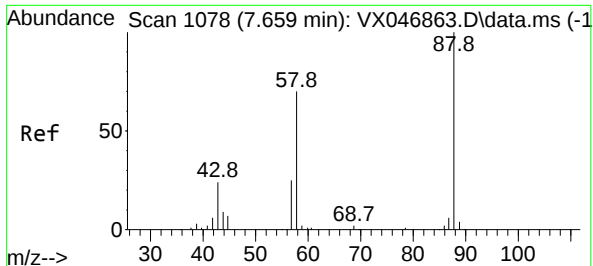
Tgt Ion: 43 Resp: 15546
Ion Ratio Lower Upper
43 100
61 14.7 15.7 23.5#
87 7.3 10.1 15.1#



#48
Methyl methacrylate
Concen: 39.564 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 41 Resp: 130948
Ion Ratio Lower Upper
41 100
69 0.2 65.8 98.8#
39 52.9 43.8 65.6





#49

1,4-Dioxane

Concen: 5.345 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX047003.D

Acq: 15 Jul 2025 15:41

Instrument :

MSVOA_X

ClientSampleId :

TP-17

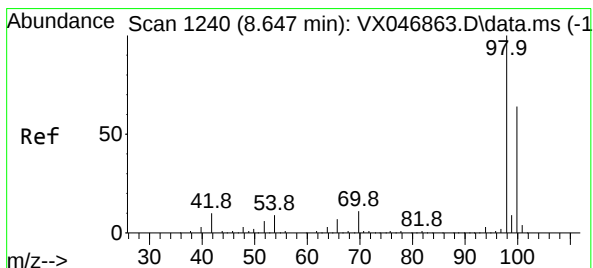
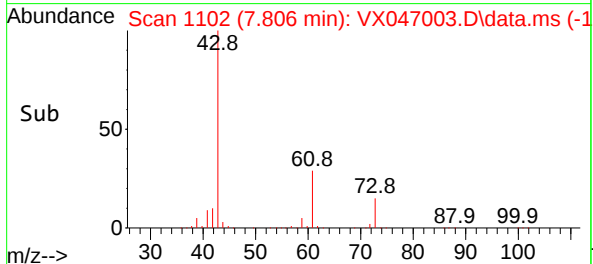
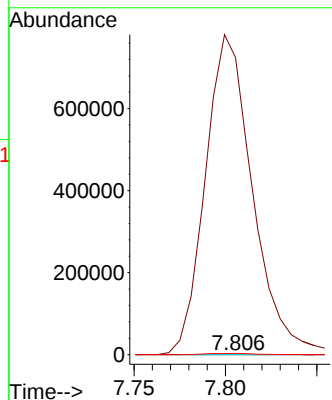
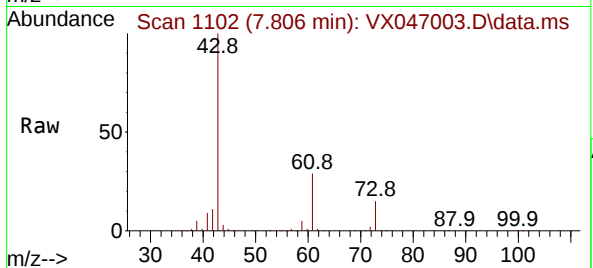
Tgt Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 698943.4 31.7 47.5#

58 3044.4 57.5 86.3#



#50

Toluene-d8

Concen: 47.219 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX047003.D

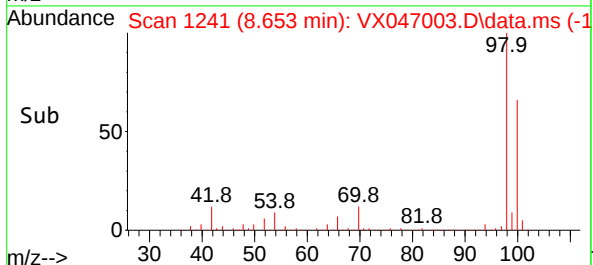
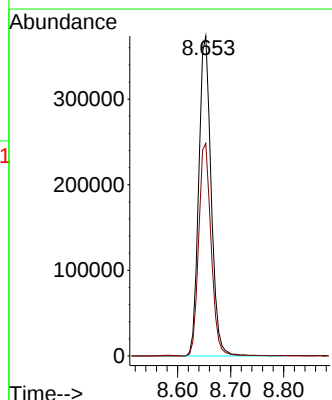
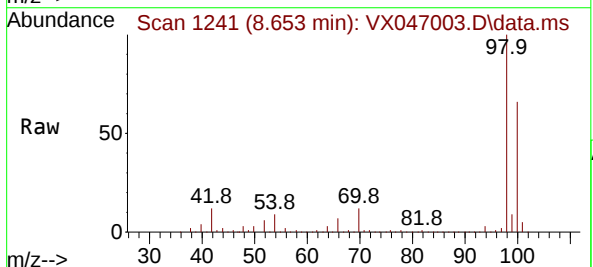
Acq: 15 Jul 2025 15:41

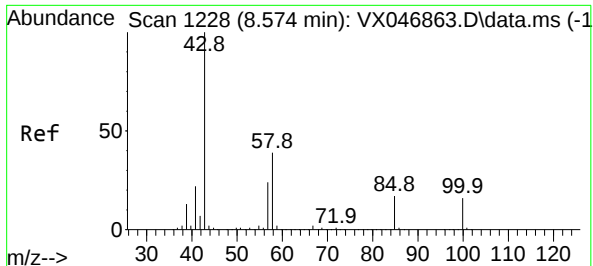
Tgt Ion: 98 Resp: 606716

Ion Ratio Lower Upper

98 100

100 66.9 53.0 79.6

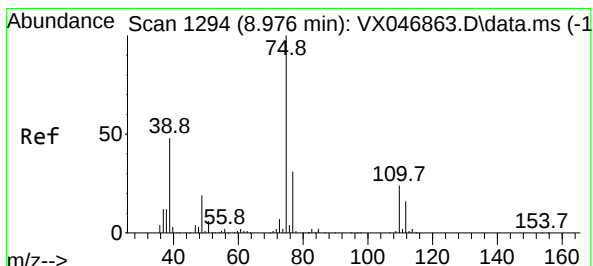
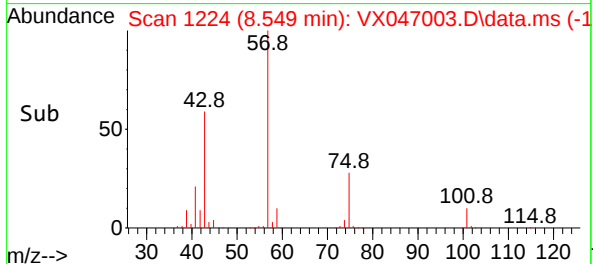
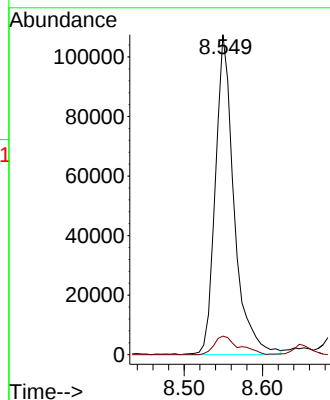
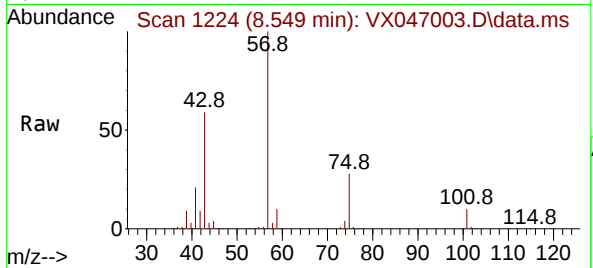




#51
4-Methyl-2-Pentanone
Concen: 47.126 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

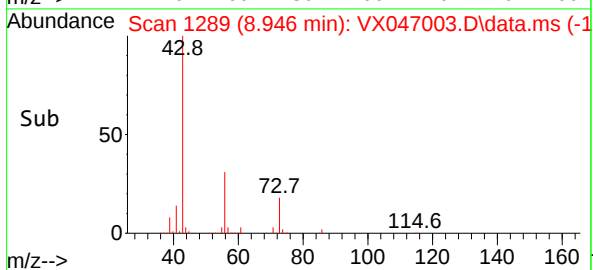
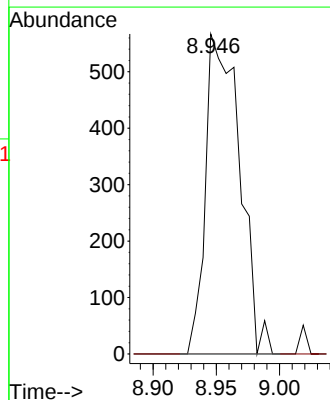
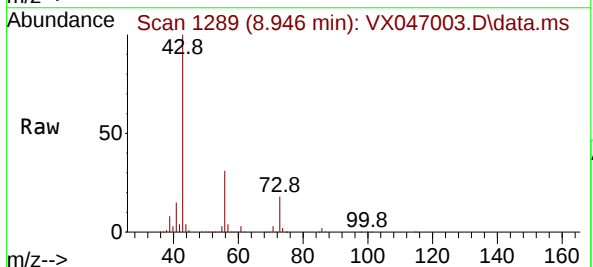
Instrument :
MSVOA_X
ClientSampleId :
TP-17

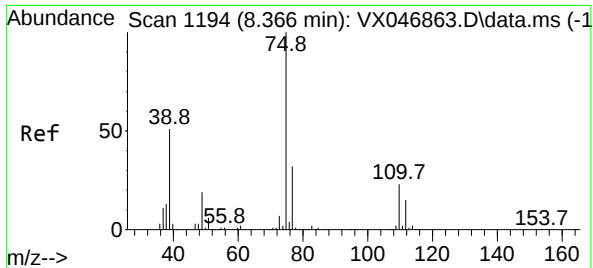
Tgt Ion: 43 Resp: 178281
Ion Ratio Lower Upper
43 100
58 7.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 75 Resp: 1064
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

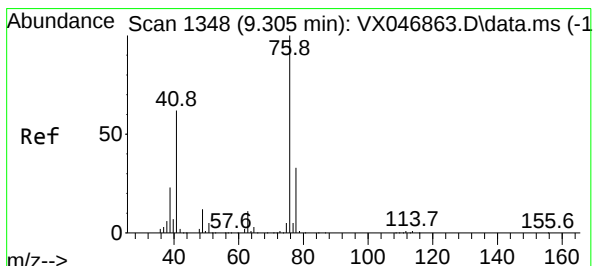
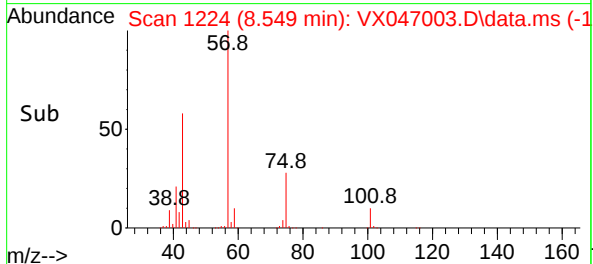
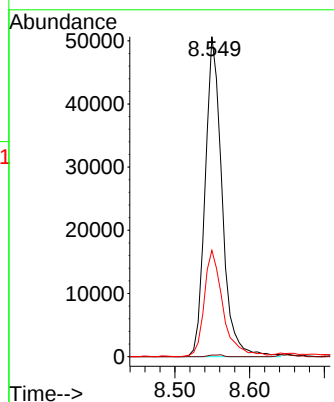
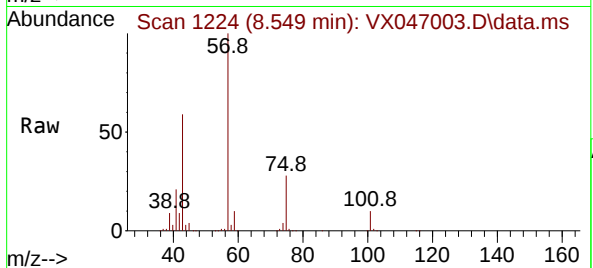




#54
 cis-1,3-Dichloropropene
 Concen: 14.059 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX047003.D
 Acq: 15 Jul 2025 15:41

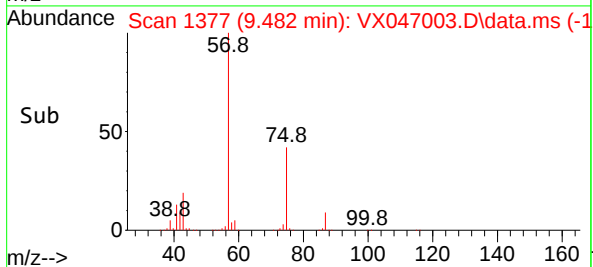
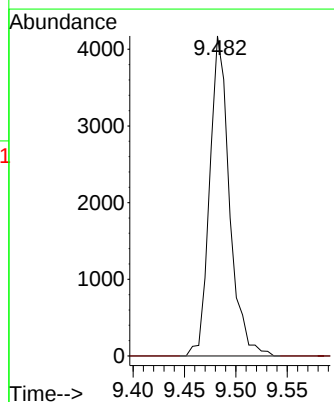
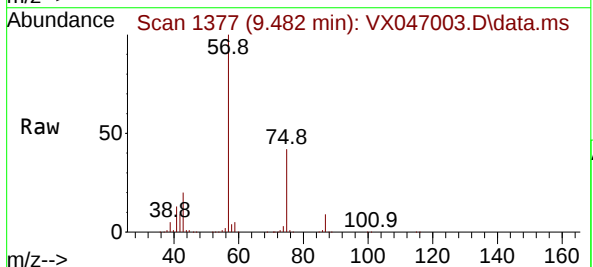
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-17

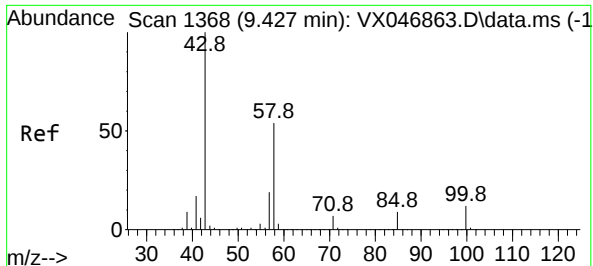
Tgt Ion: 75 Resp: 79556
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.2#
 39 33.2 40.7 61.1#



#57
 1,3-Dichloropropane
 Concen: 0.948 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX047003.D
 Acq: 15 Jul 2025 15:41

Tgt Ion: 76 Resp: 5597
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

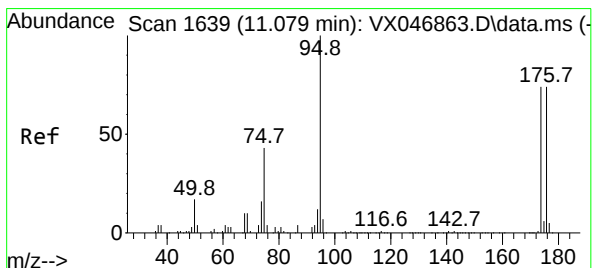
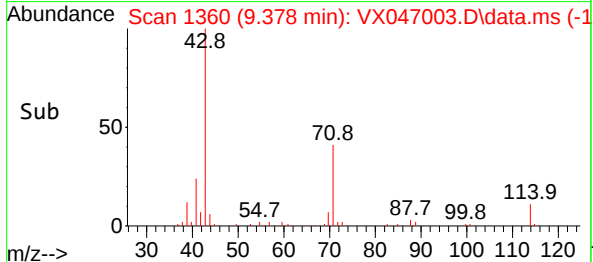
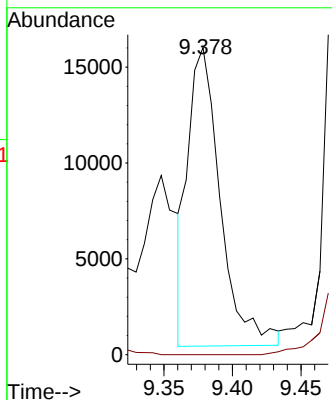
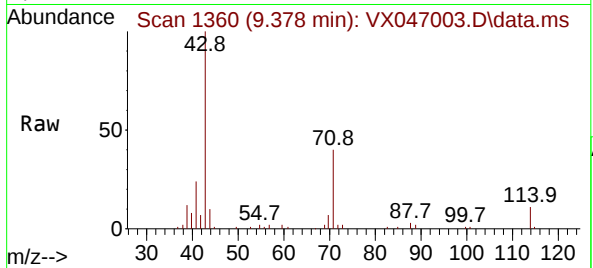




#59
2-Hexanone
Concen: 10.168 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

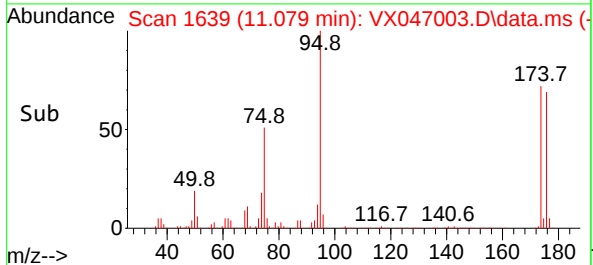
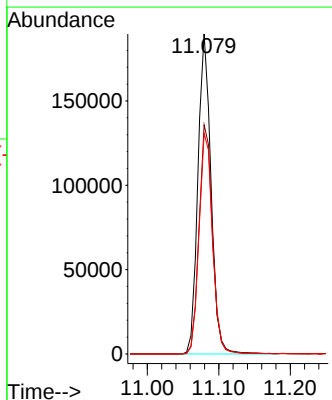
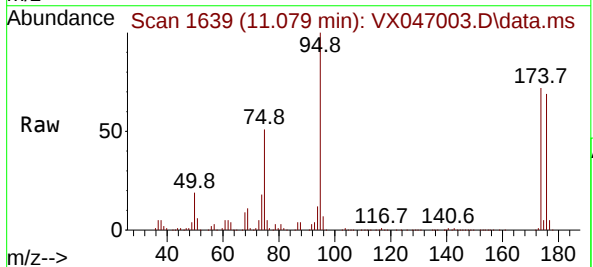
Instrument :
MSVOA_X
ClientSampleId :
TP-17

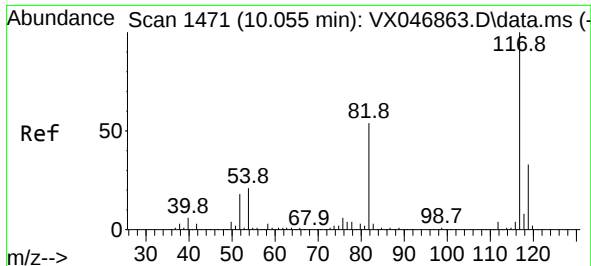
Tgt Ion: 43 Resp: 25515
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 49.346 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 95 Resp: 240974
Ion Ratio Lower Upper
95 100
174 73.4 0.0 152.0
176 71.0 0.0 145.2

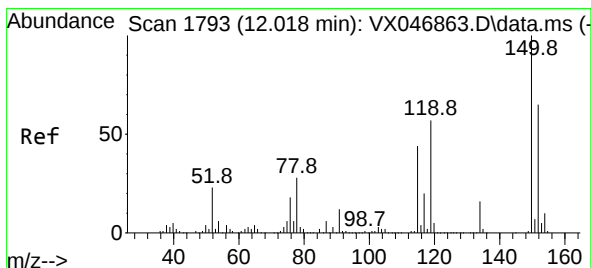
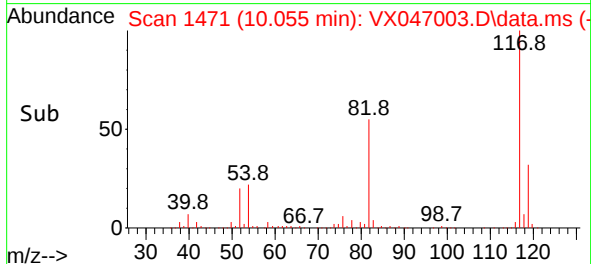
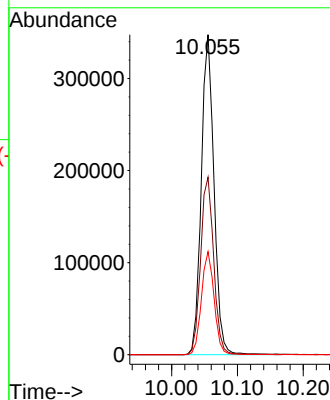
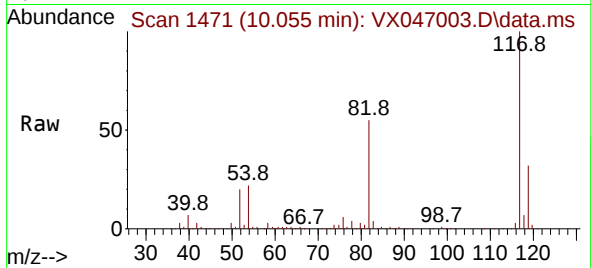




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

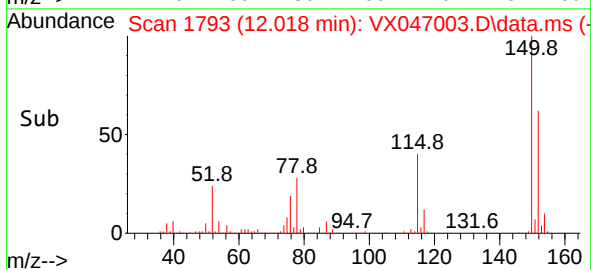
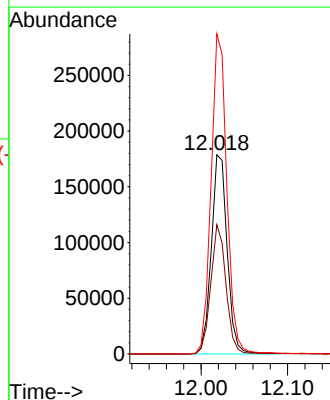
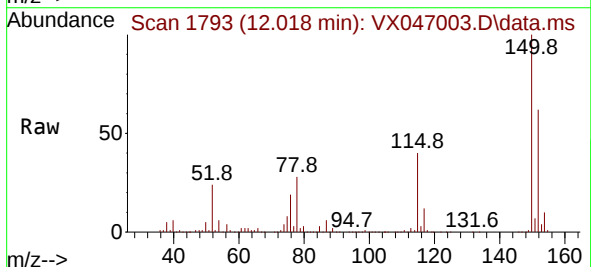
Instrument :
MSVOA_X
ClientSampleId :
TP-17

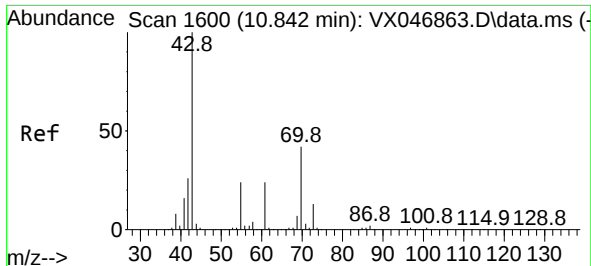
Tgt Ion:117 Resp: 466455
Ion Ratio Lower Upper
117 100
82 55.4 43.3 64.9
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion:152 Resp: 227747
Ion Ratio Lower Upper
152 100
115 62.3 42.4 127.1
150 159.3 0.0 349.2

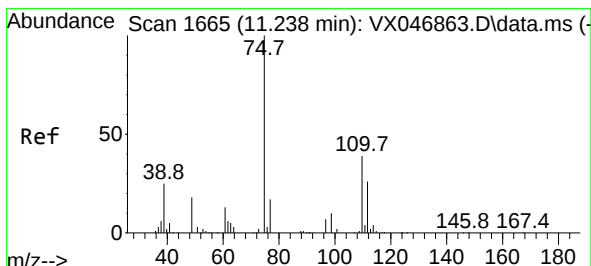
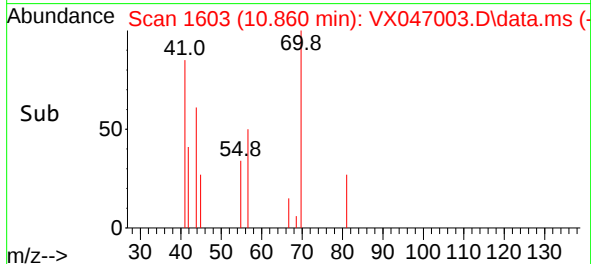
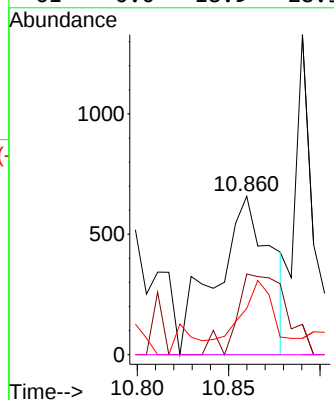
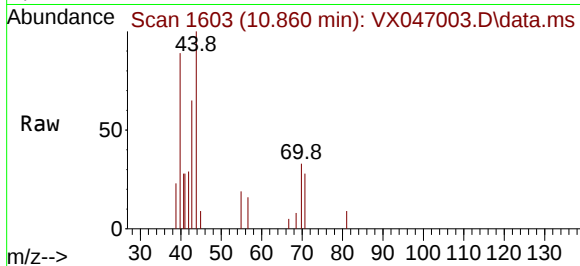




#74
N-amy1 acetate
Concen: 0.251 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

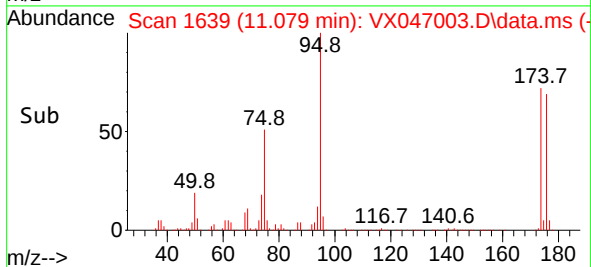
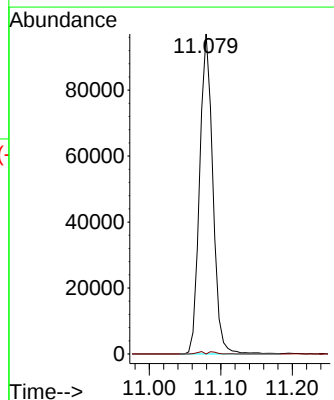
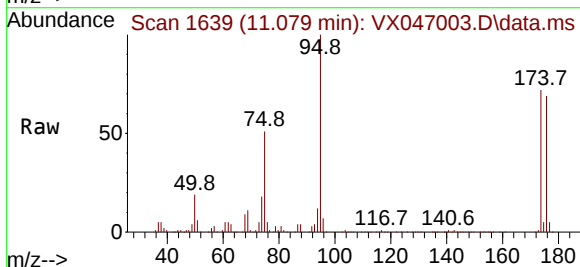
Instrument :
MSVOA_X
ClientSampleId :
TP-17

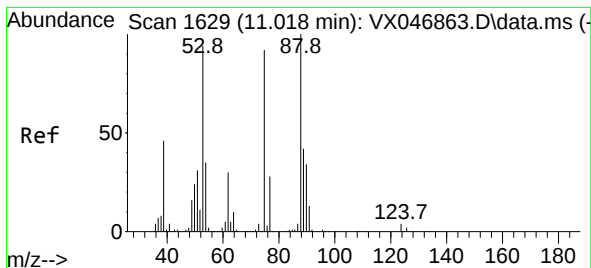
Tgt Ion: 43	Resp: 1364
Ion Ratio	Lower Upper
43 100	
70 46.6	33.4 50.2
55 31.3	19.6 29.4#
61 0.0	18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 35.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 75	Resp: 124436
Ion Ratio	Lower Upper
75 100	
77 0.4	20.6 61.8#

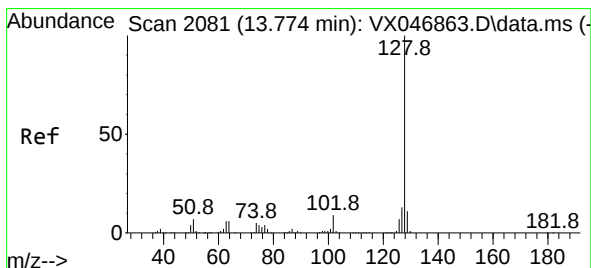
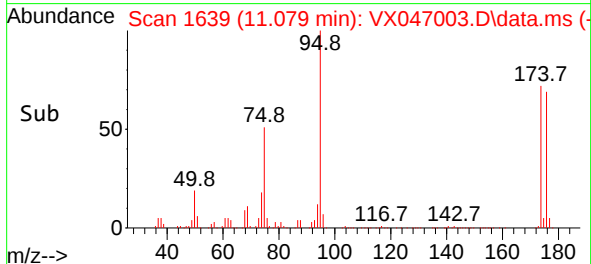
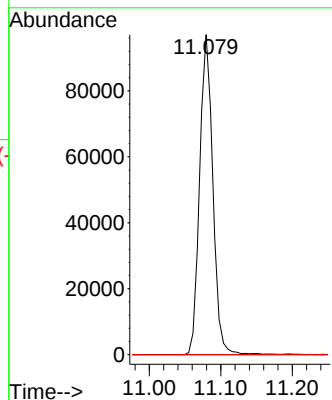
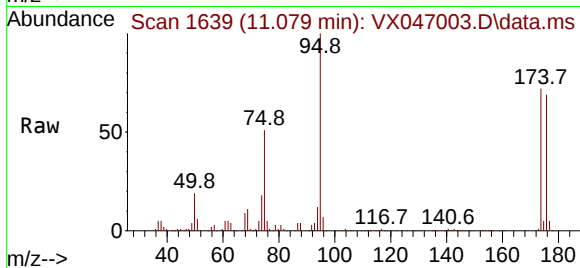




#81
trans-1,4-Dichloro-2-butene
Concen: 94.891 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
TP-17

Tgt Ion: 75 Resp: 124436
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.219 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX047003.D
Acq: 15 Jul 2025 15:41

Tgt Ion: 128 Resp: 2831
Ion Ratio Lower Upper
128 100
127 9.6 10.2 15.4#
129 8.0 8.6 13.0#

