

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046996.D
 Acq On : 15 Jul 2025 13:12
 Operator : JC/MD
 Sample : Q2578-13RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-11-GRE

Quant Time: Jul 16 02:25:14 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)

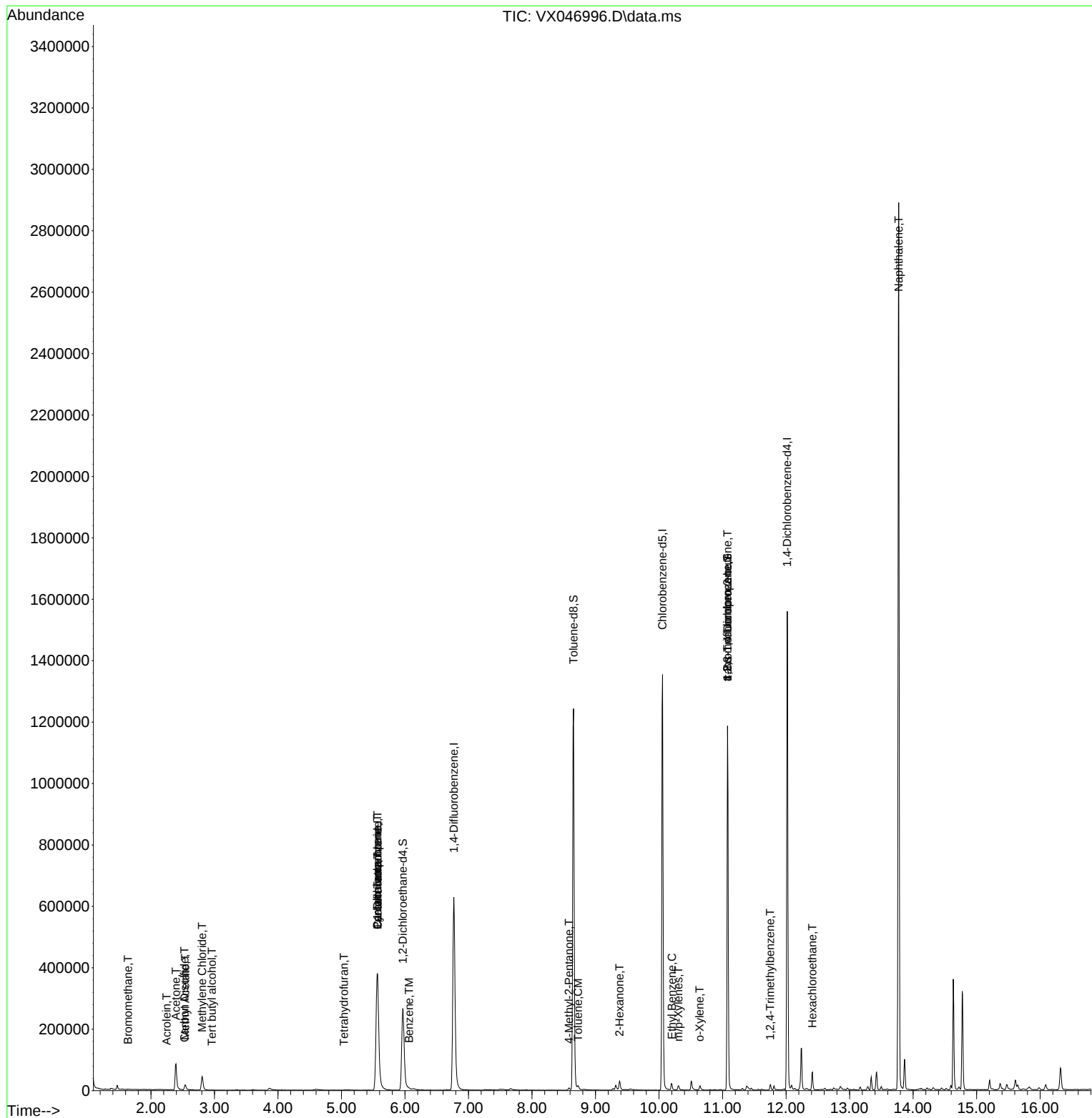
Internal Standards						
1) Pentafluorobenzene	5.568	168	387199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	667965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	604781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	313760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	278422	54.430	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.860%		
35) Dibromofluoromethane	5.403	113	85	0.019	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 0.040%#		
50) Toluene-d8	8.653	98	768754	48.055	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.100%		
62) 4-Bromofluorobenzene	11.079	95	317635	52.243	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.480%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	739	0.261	ug/l #	53
11) Tert butyl alcohol	2.959	59	212	0.632	ug/l #	72
13) Acrolein	2.245	56	45	2.955	ug/l	83
16) Acetone	2.392	43	105375	66.319	ug/l	99
17) Carbon Disulfide	2.526	76	2815	0.256	ug/l #	93
18) Methyl Acetate	2.538	43	3957	0.945	ug/l #	53
20) Methylene Chloride	2.806	84	21869	4.655	ug/l	90
29) Tetrahydrofuran	5.037	42	344	0.255	ug/l #	34
31) Cyclohexane	5.568	56	8714	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	32418	5.299	ug/l #	51
38) Carbon Tetrachloride	5.568	117	40912	6.326	ug/l #	16
40) Benzene	6.062	78	5098	0.276	ug/l	94
51) 4-Methyl-2-Pentanone	8.580	43	4945	1.050	ug/l #	80
52) Toluene	8.726	92	3682	0.321	ug/l	83
59) 2-Hexanone	9.378	43	22519	7.208	ug/l #	24
67) Ethyl Benzene	10.201	91	13255	0.592	ug/l	95
68) m/p-Xylenes	10.305	106	3953	0.468	ug/l	97
69) o-Xylene	10.640	106	3051	0.374	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	162068	33.430	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	162068	89.708	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	9018	0.498	ug/l	94
90) Hexachloroethane	12.414	117	2442	0.705	ug/l #	14
95) Naphthalene	13.774	128	1696234	95.163	ug/l	100

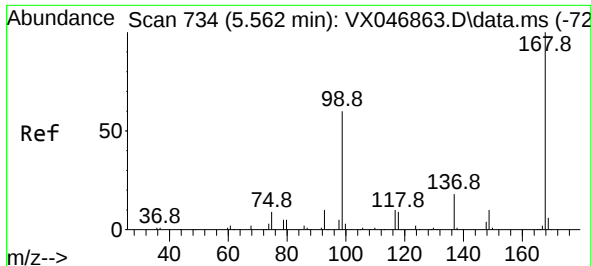
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

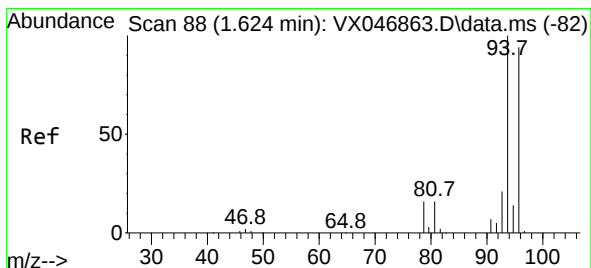
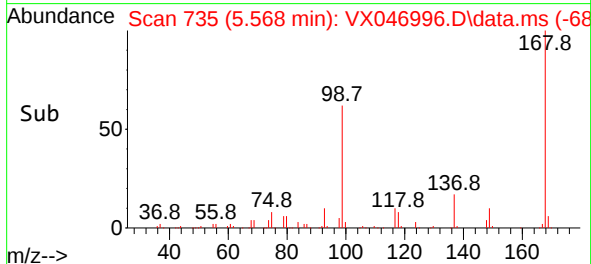
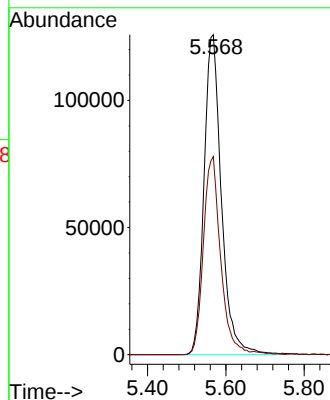
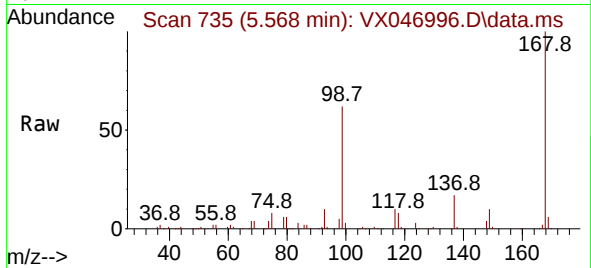




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

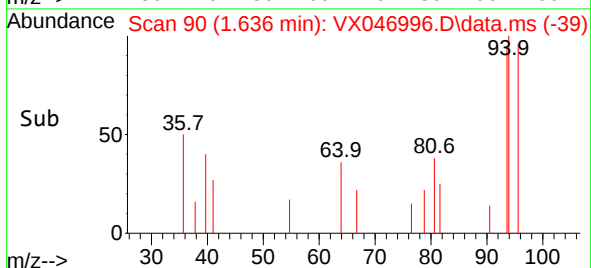
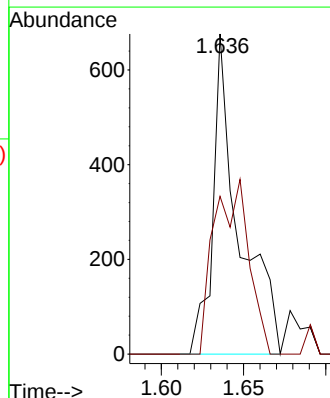
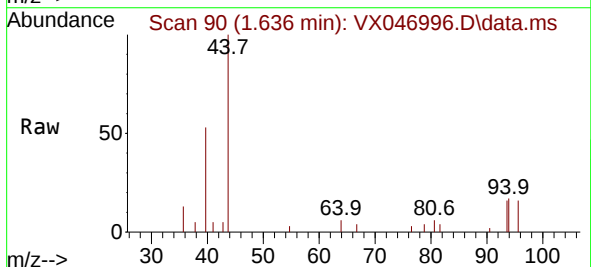
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

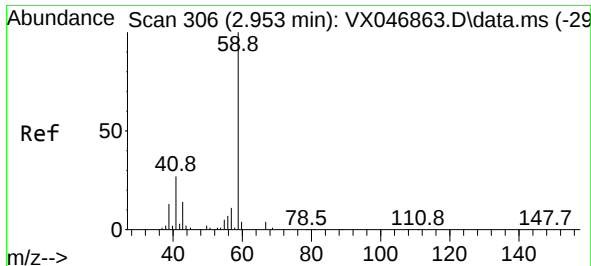
Tgt Ion:168 Resp: 387199
Ion Ratio Lower Upper
168 100
99 61.9 48.8 73.2



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 49.3 75.5 113.3#

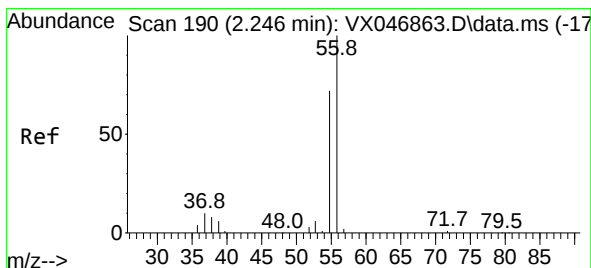
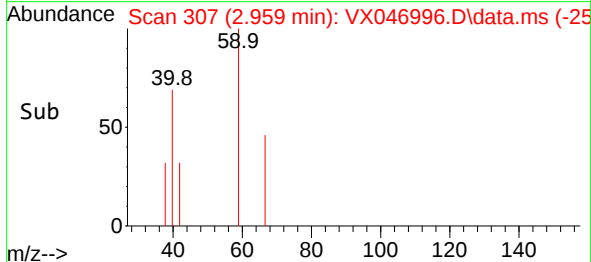
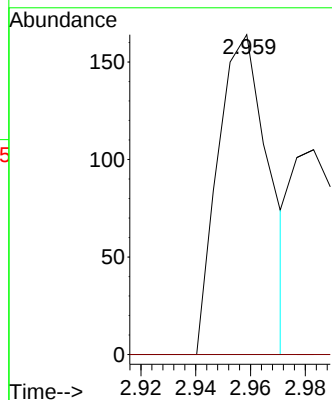
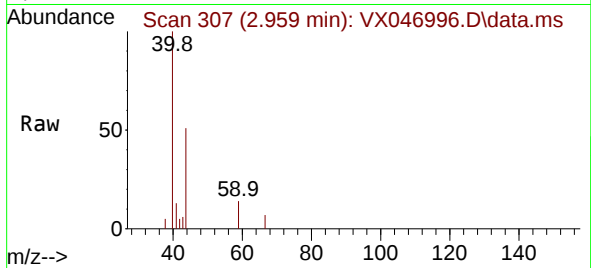




#11
Tert butyl alcohol
Concen: 0.632 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

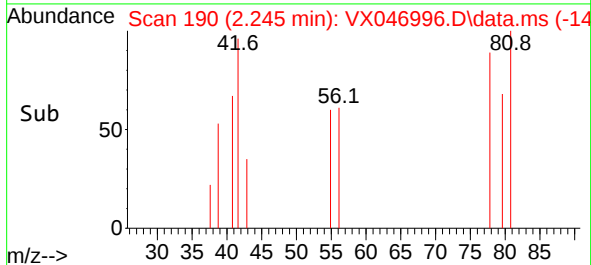
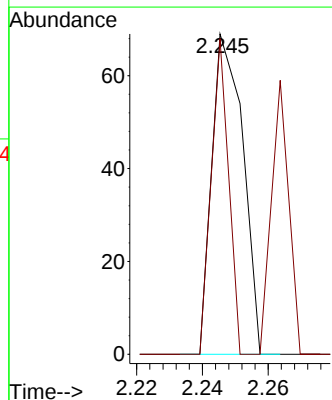
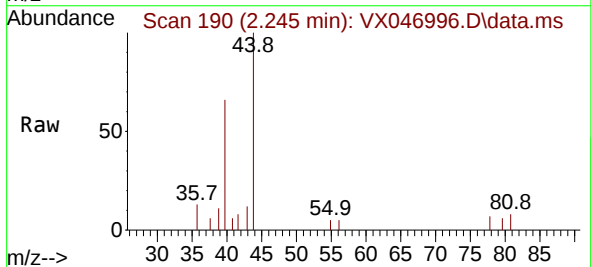
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

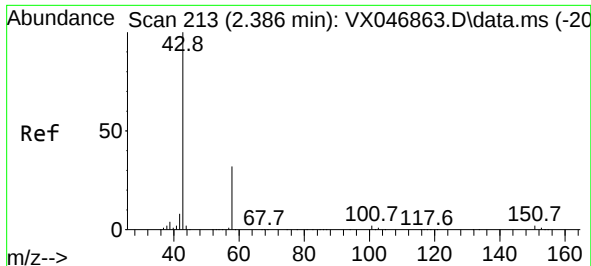
Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 2.955 ug/l
RT: 2.245 min Scan# 190
Delta R.T. -0.001 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 55.6 55.5 83.3

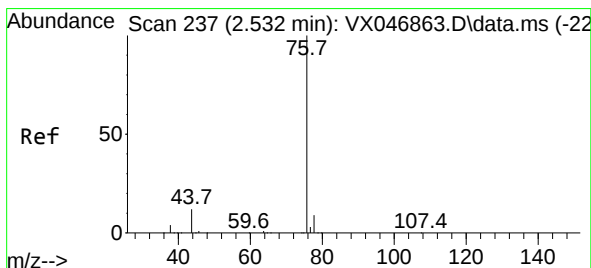
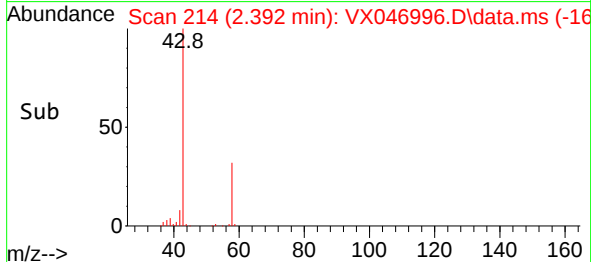
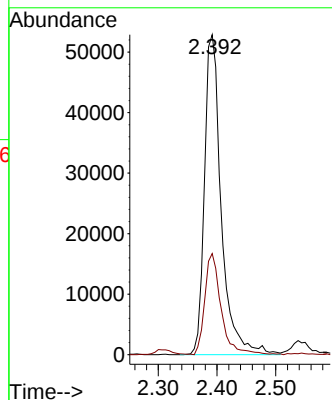
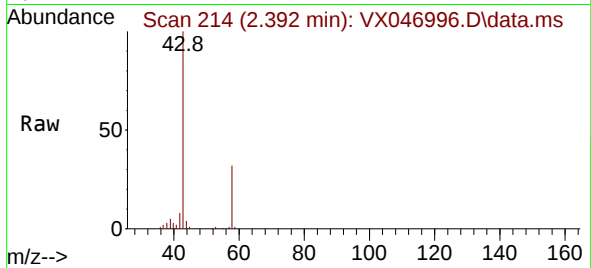




#16
Acetone
Concen: 66.319 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

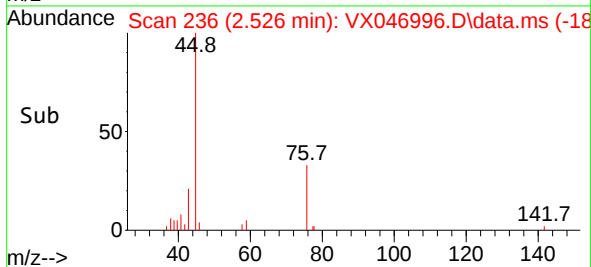
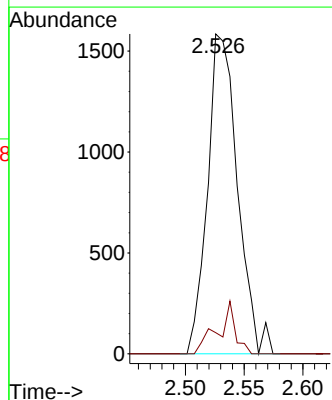
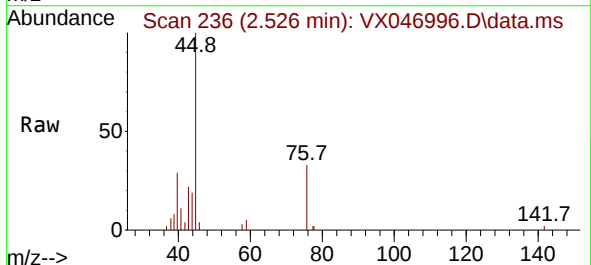
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

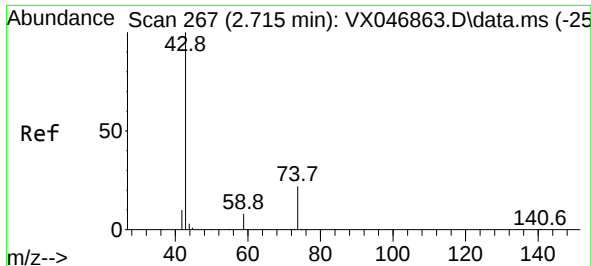
Tgt Ion: 43 Resp: 105375
Ion Ratio Lower Upper
43 100
58 32.6 25.8 38.6



#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 76 Resp: 2815
Ion Ratio Lower Upper
76 100
78 6.6 7.4 11.2#

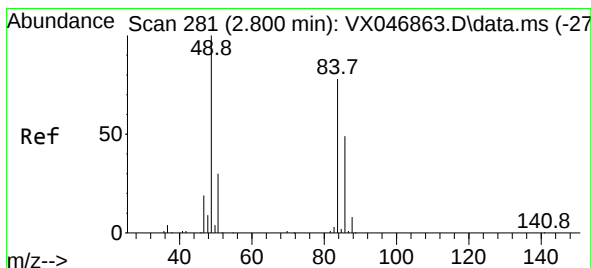
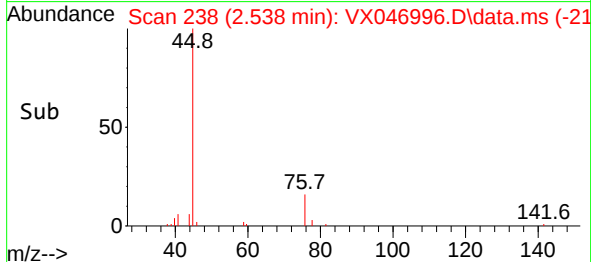
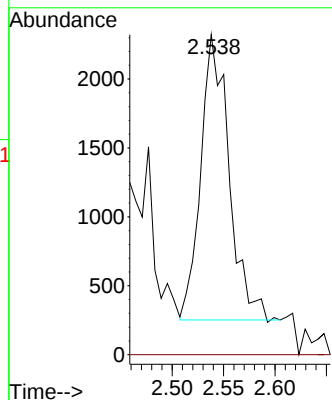
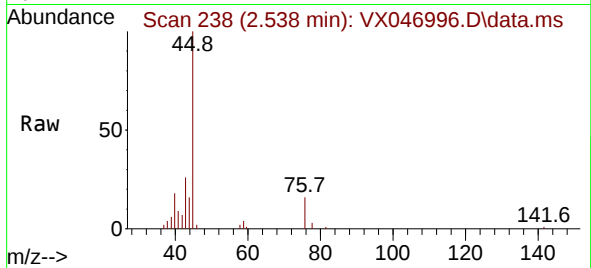




#18
Methyl Acetate
Concen: 0.945 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.177 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

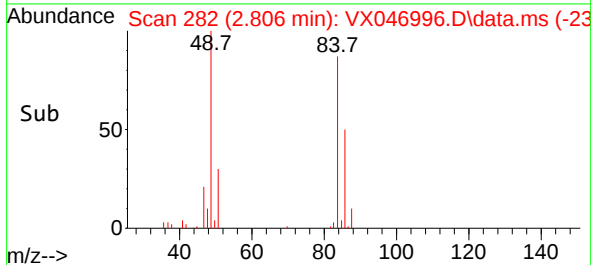
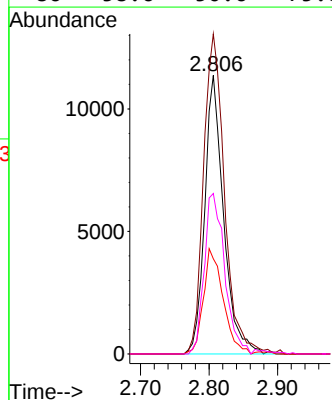
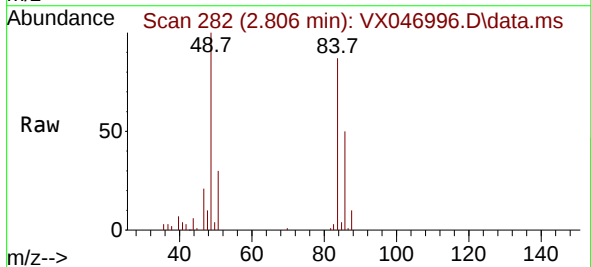
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

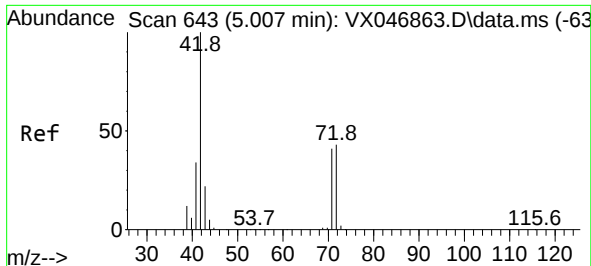
Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 4.655 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 84 Resp: 21869
Ion Ratio Lower Upper
84 100
49 114.9 102.8 154.2
51 34.2 31.1 46.7
86 58.6 50.6 75.8





#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX046996.D

Acq: 15 Jul 2025 13:12

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-11-GRE

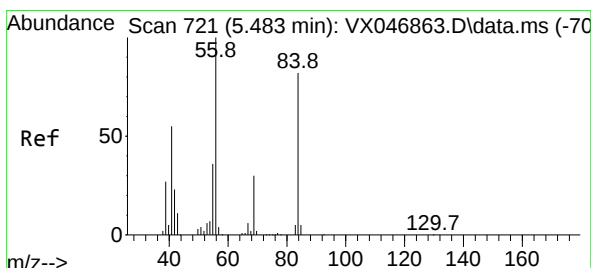
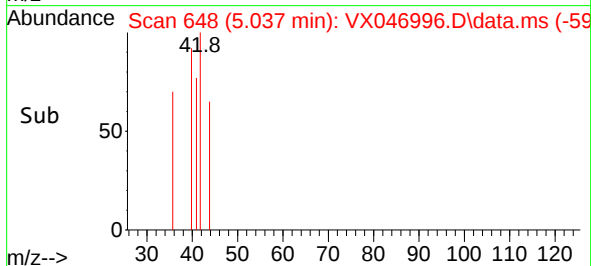
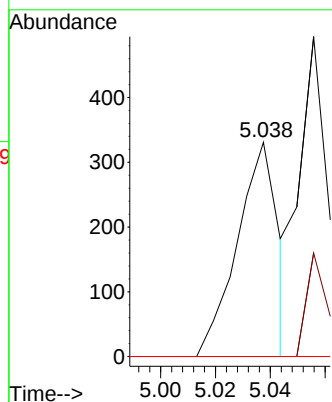
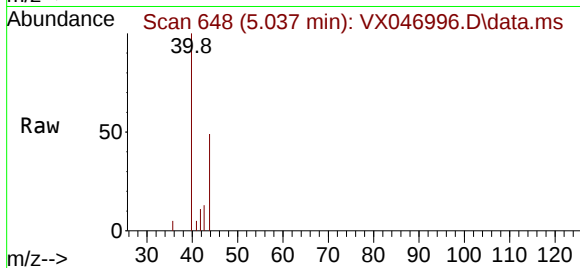
Tgt Ion: 42 Resp: 344

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX046996.D

Acq: 15 Jul 2025 13:12

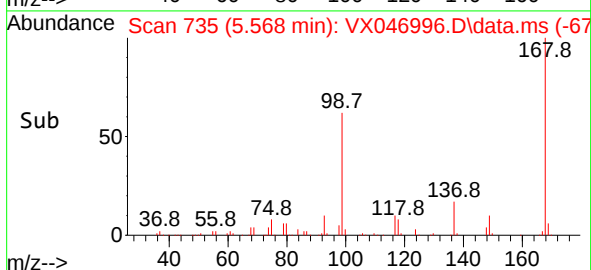
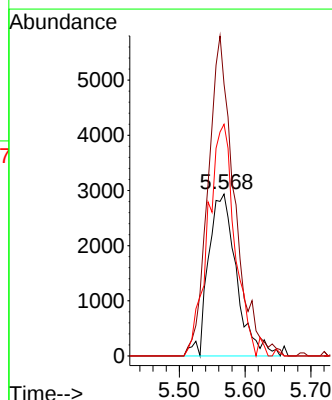
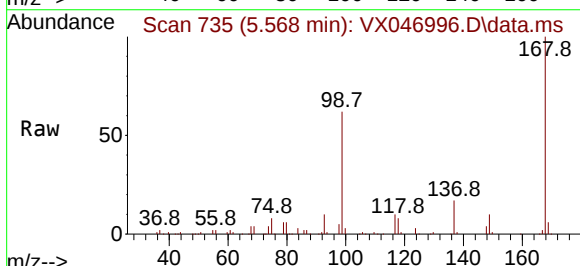
Tgt Ion: 56 Resp: 8714

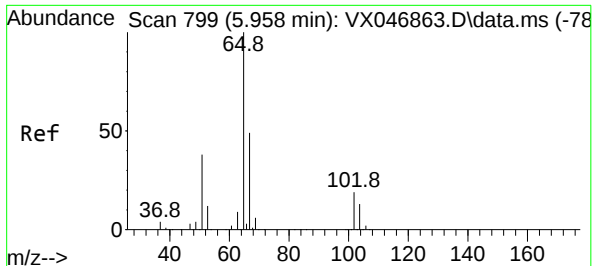
Ion Ratio Lower Upper

56 100

69 167.9 24.0 36.0#

84 143.1 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 54.430 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046996.D

Acq: 15 Jul 2025 13:12

Instrument :

MSVOA_X

ClientSampleId :

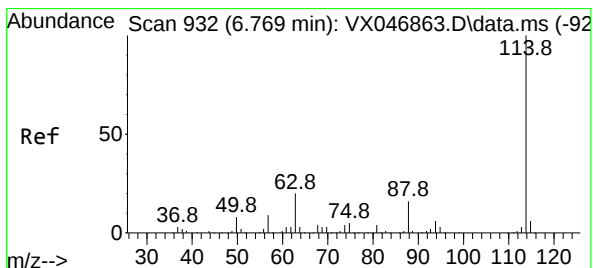
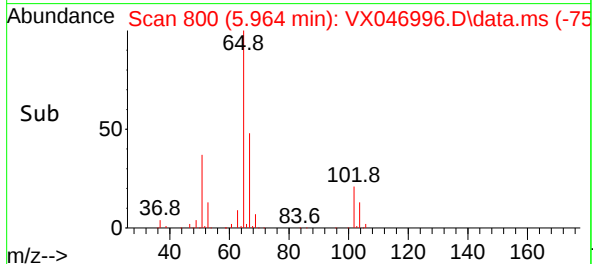
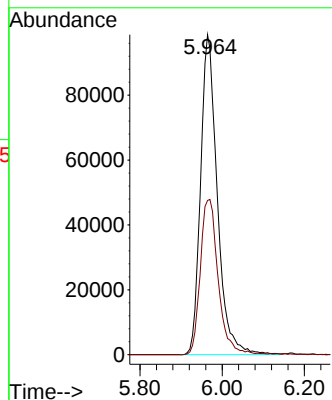
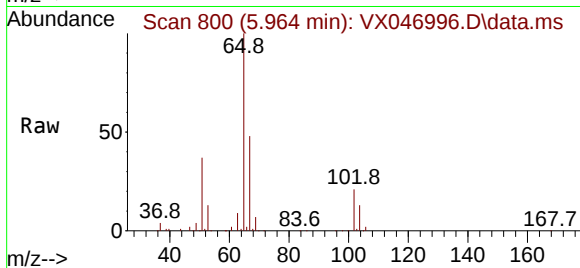
WC-A2-11-GRE

Tgt Ion: 65 Resp: 278422

Ion Ratio Lower Upper

65 100

67 51.8 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: VX046996.D

Acq: 15 Jul 2025 13:12

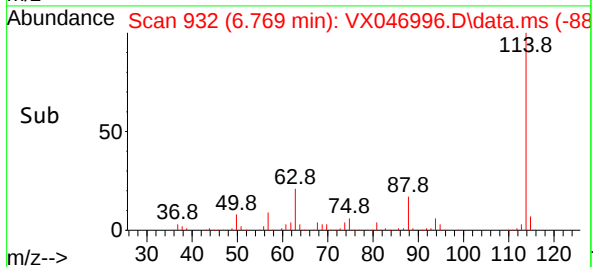
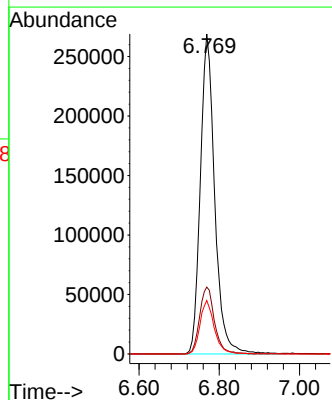
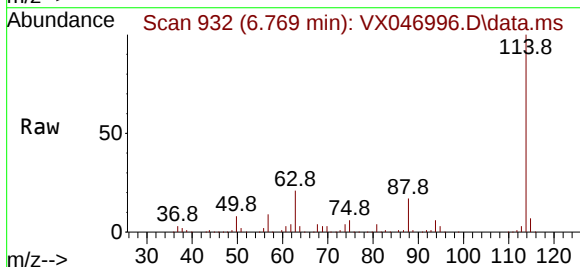
Tgt Ion: 114 Resp: 667965

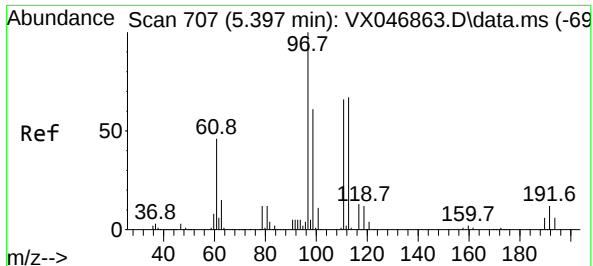
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.4

88 16.7 0.0 31.0

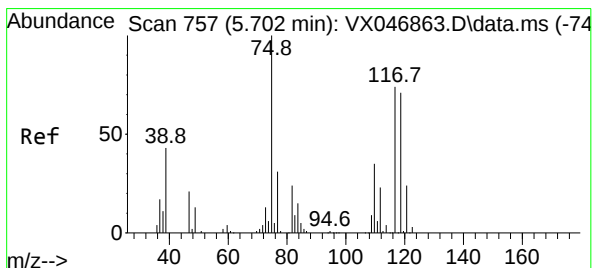
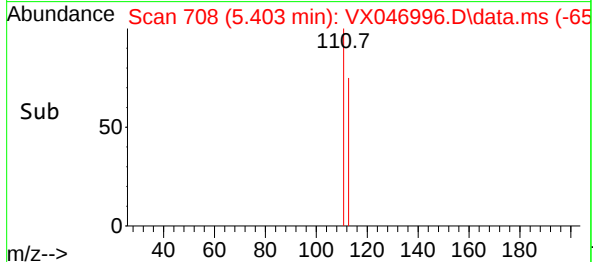
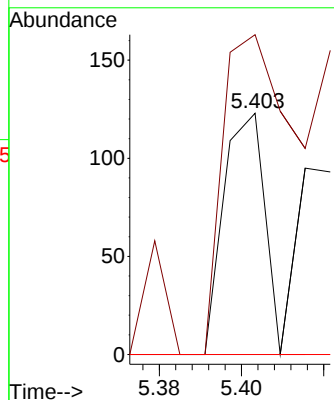
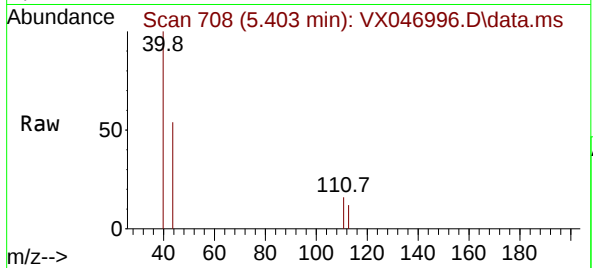




#35
Dibromofluoromethane
Concen: 0.019 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

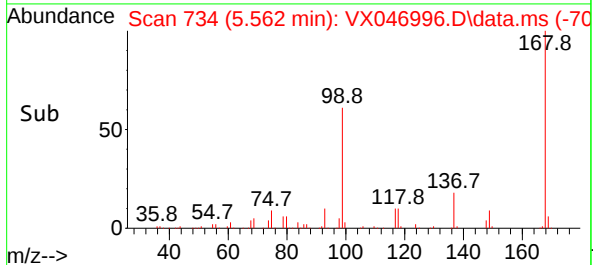
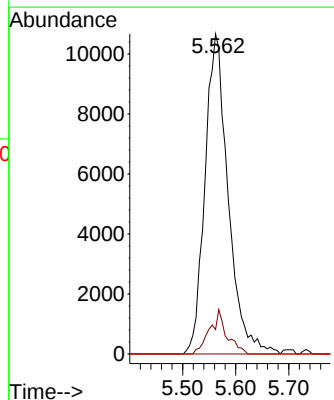
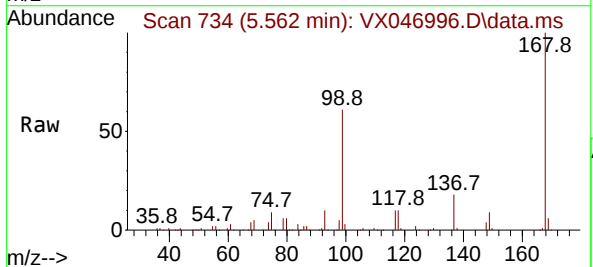
Instrument :
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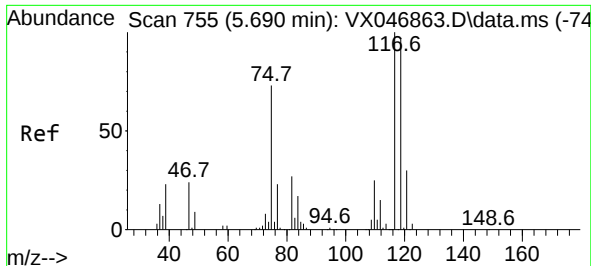
Tgt Ion:113 Resp: 85
Ion Ratio Lower Upper
113 100
111 402.4 81.2 121.8#
192 0.0 15.3 22.9#



#36
1,1-Dichloropropene
Concen: 5.299 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

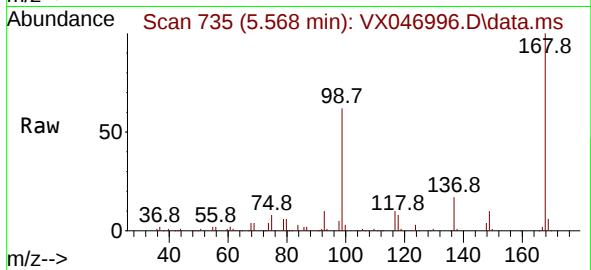
Tgt Ion: 75 Resp: 32418
Ion Ratio Lower Upper
75 100
110 10.1 17.3 51.9#
77 0.0 24.2 36.4#



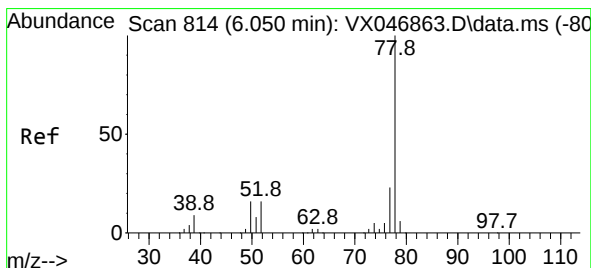
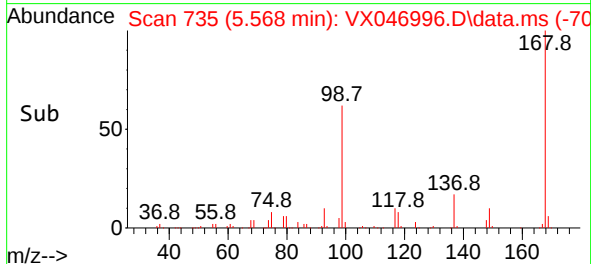
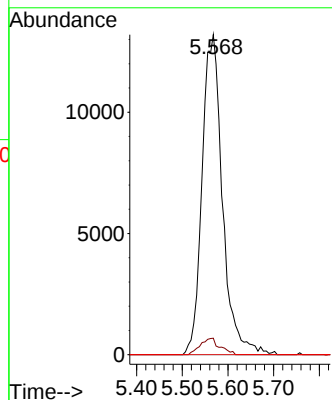


#38
Carbon Tetrachloride
Concen: 6.326 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

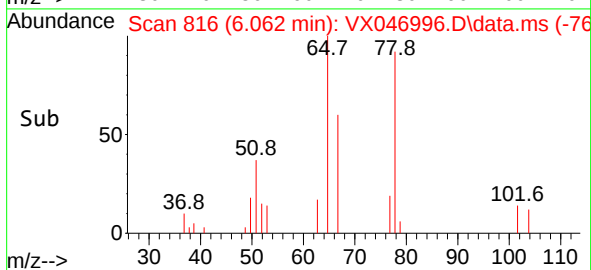
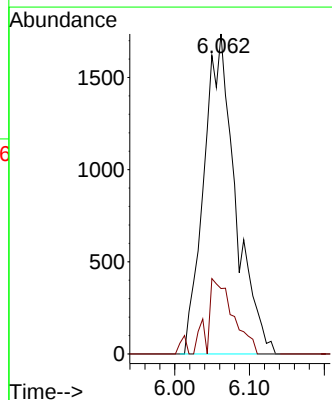
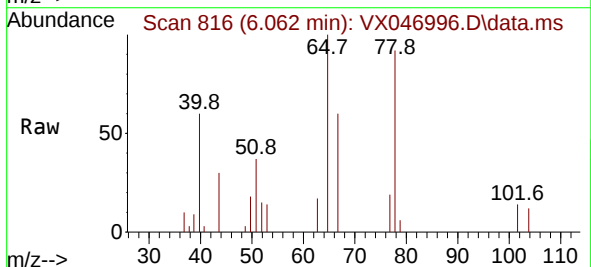


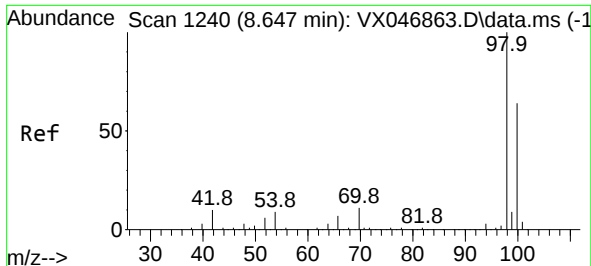
Tgt Ion:117 Resp: 40912
Ion Ratio Lower Upper
117 100
119 5.1 76.6 114.8#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.276 ug/l
RT: 6.062 min Scan# 816
Delta R.T. 0.012 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 78 Resp: 5098
Ion Ratio Lower Upper
78 100
77 20.4 18.7 28.1

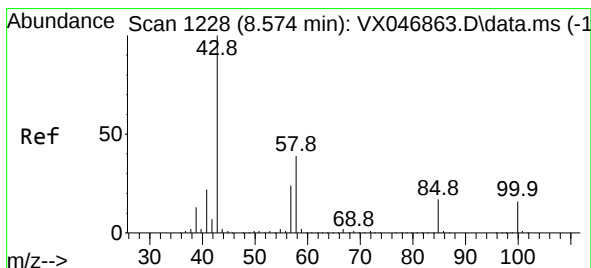
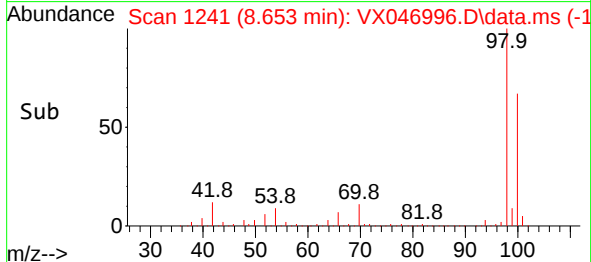
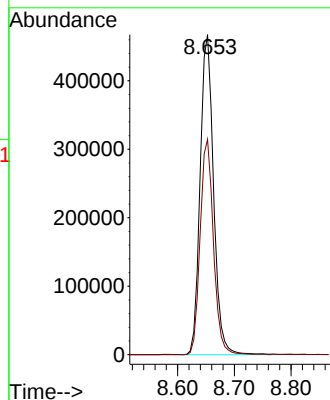
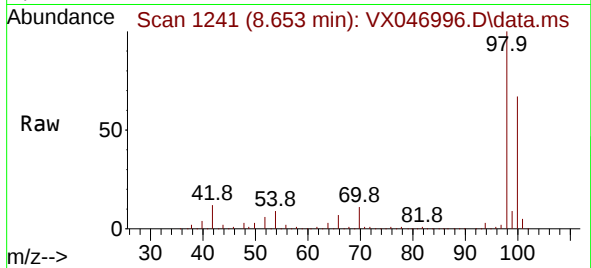




#50
Toluene-d8
Concen: 48.055 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

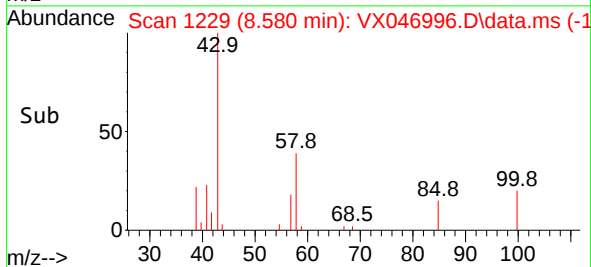
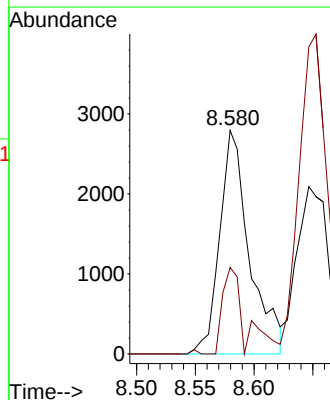
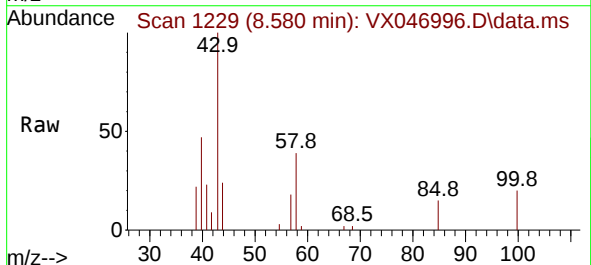
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

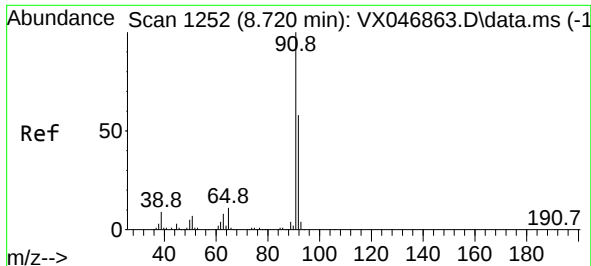
Tgt Ion: 98 Resp: 768754
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.050 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 43 Resp: 4945
Ion Ratio Lower Upper
43 100
58 26.2 30.4 45.6#

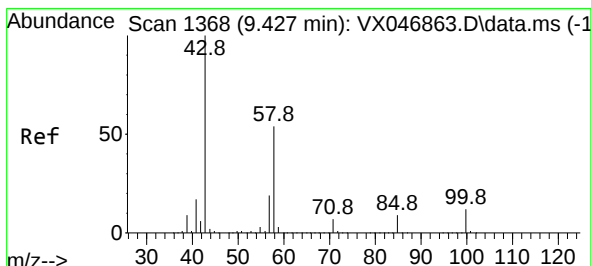
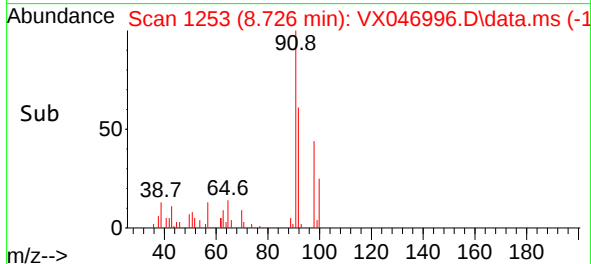
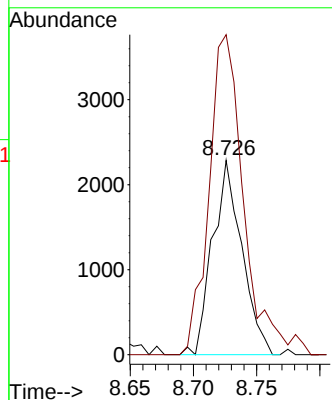
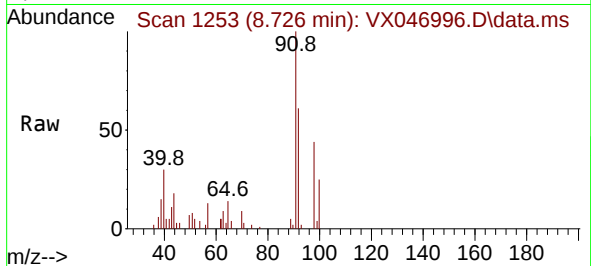




#52
Toluene
Concen: 0.321 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

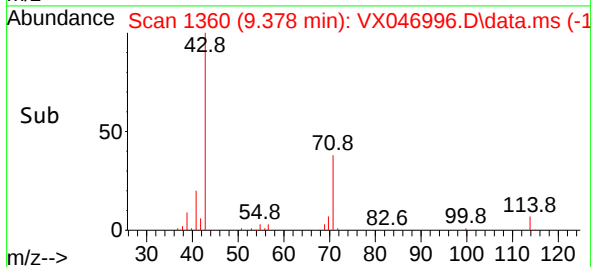
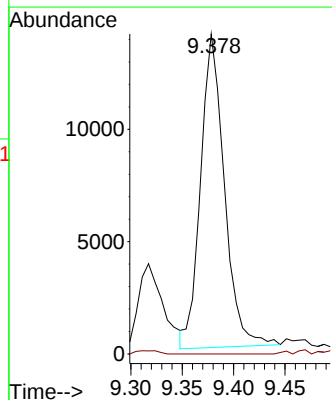
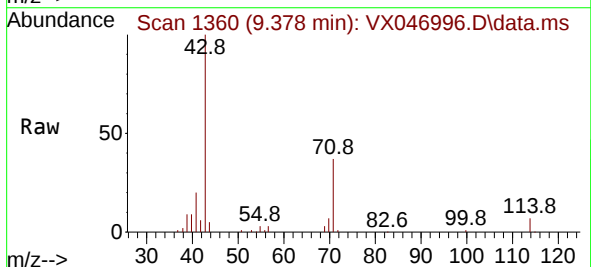
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

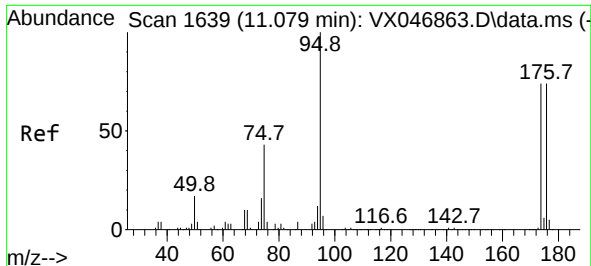
Tgt Ion: 92 Resp: 3682
Ion Ratio Lower Upper
92 100
91 195.8 137.9 206.9



#59
2-Hexanone
Concen: 7.208 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 43 Resp: 22519
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#

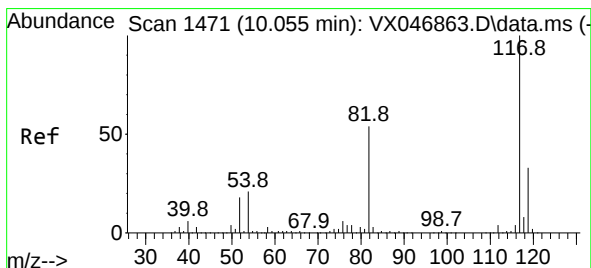
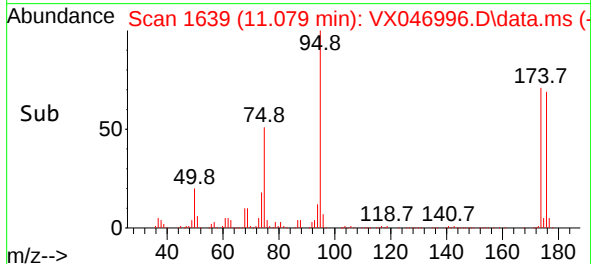
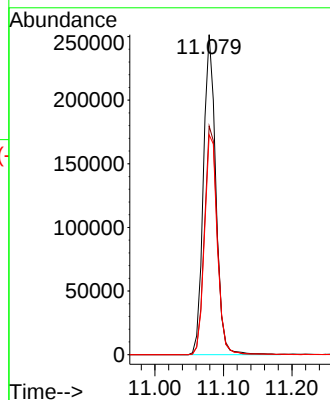
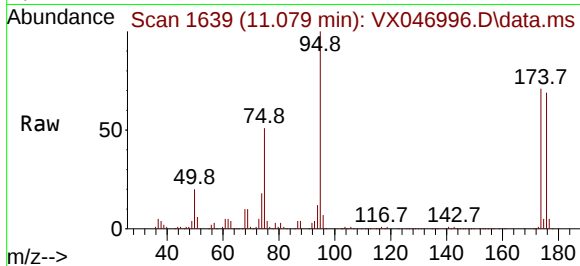




#62
4-Bromofluorobenzene
Concen: 52.243 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

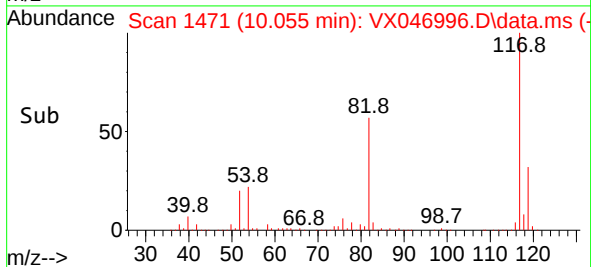
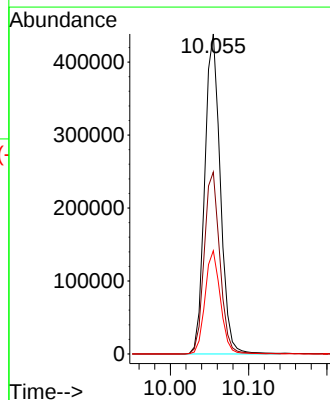
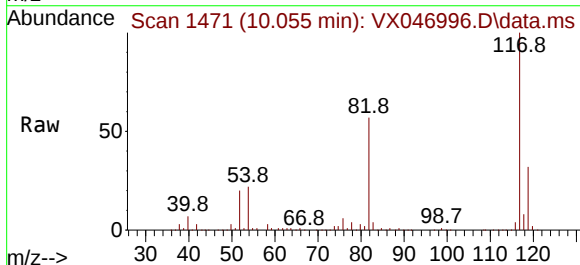
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

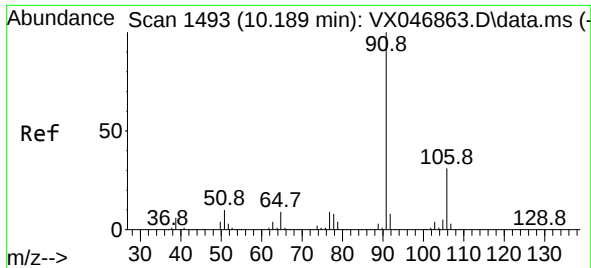
Tgt Ion: 95 Resp: 317635
Ion Ratio Lower Upper
95 100
174 74.1 0.0 152.0
176 71.2 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 117 Resp: 604781
Ion Ratio Lower Upper
117 100
82 56.9 43.3 64.9
119 32.3 26.4 39.6

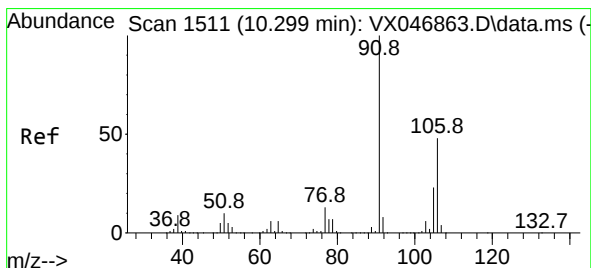
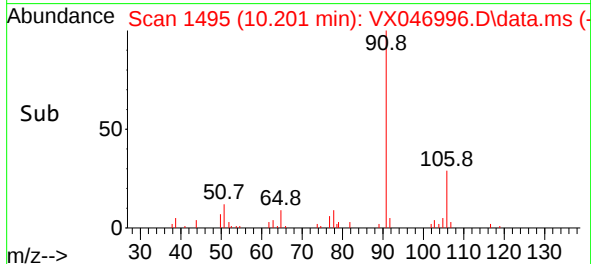
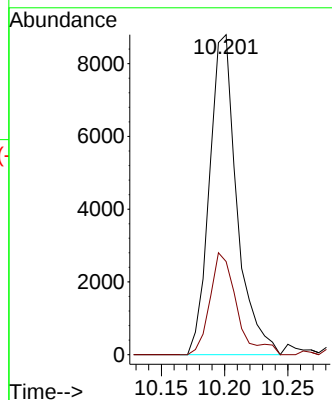
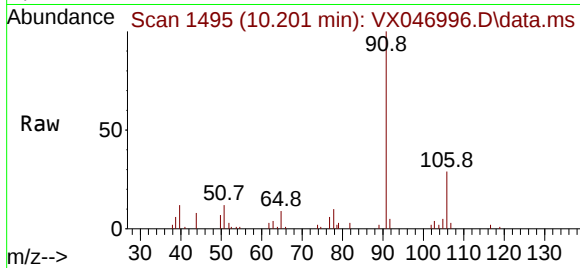




#67
Ethyl Benzene
Concen: 0.592 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.012 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

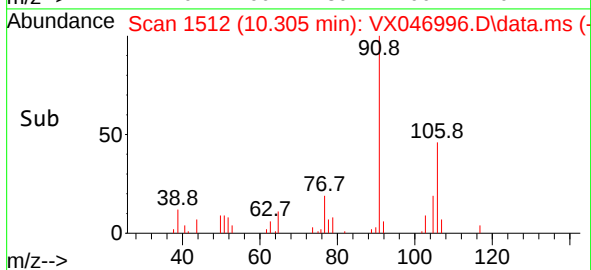
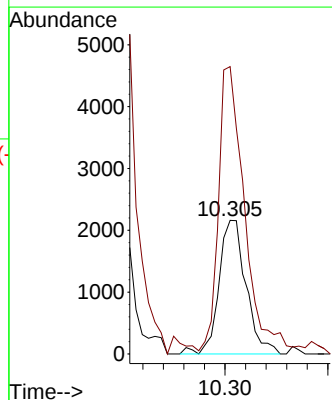
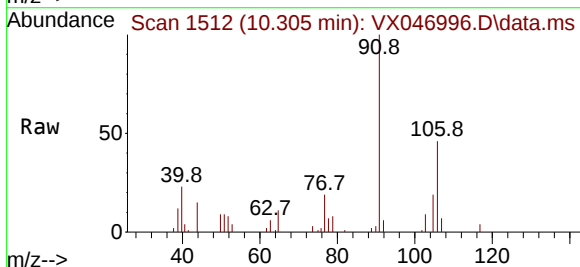
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

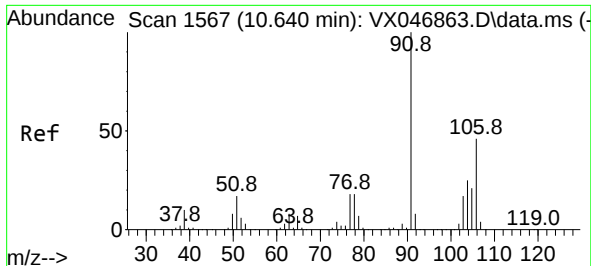
Tgt Ion: 91 Resp: 13255
Ion Ratio Lower Upper
91 100
106 27.7 24.4 36.6



#68
m/p-Xylenes
Concen: 0.468 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion:106 Resp: 3953
Ion Ratio Lower Upper
106 100
91 200.6 164.6 246.8

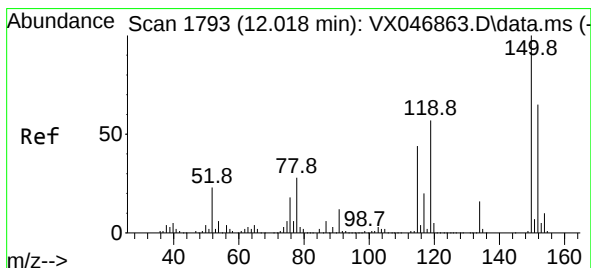
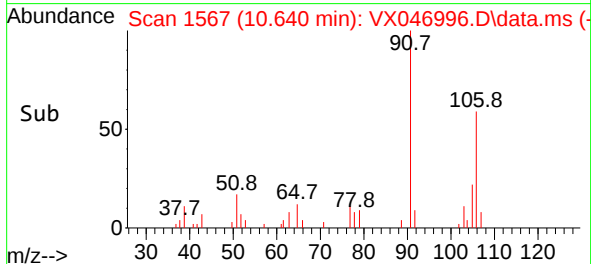
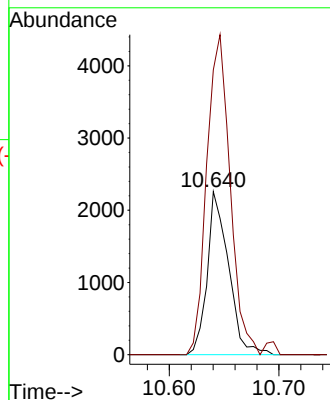
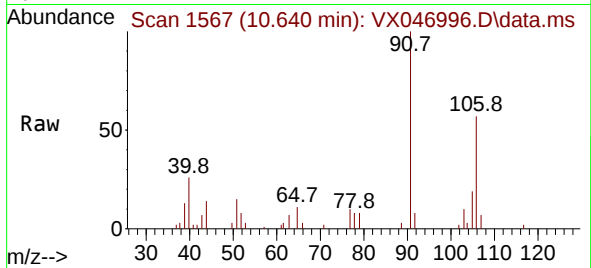




#69
o-Xylene
Concen: 0.374 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

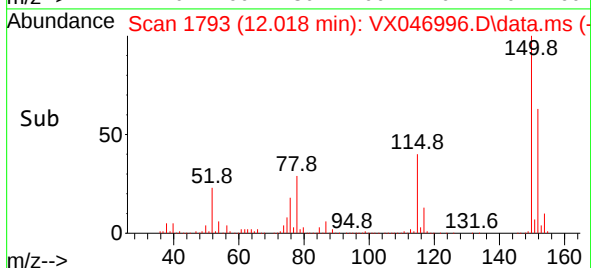
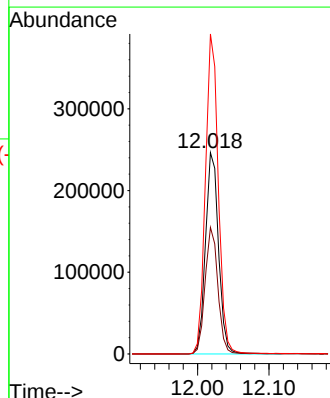
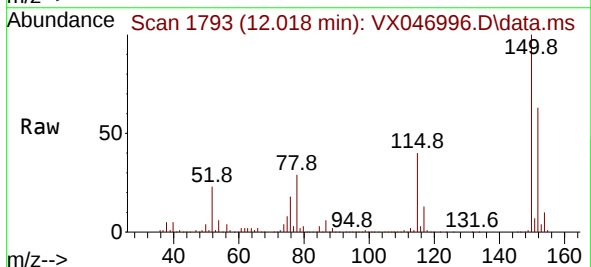
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

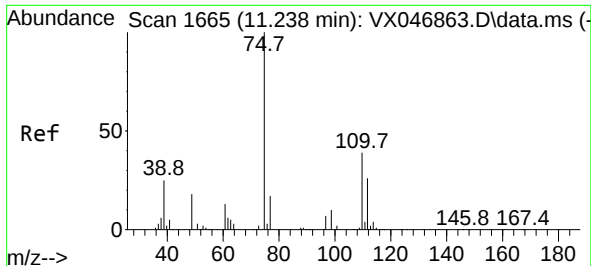
Tgt Ion:106 Resp: 3051
Ion Ratio Lower Upper
106 100
91 215.2 109.5 328.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion:152 Resp: 313760
Ion Ratio Lower Upper
152 100
115 61.3 42.4 127.1
150 156.3 0.0 349.2

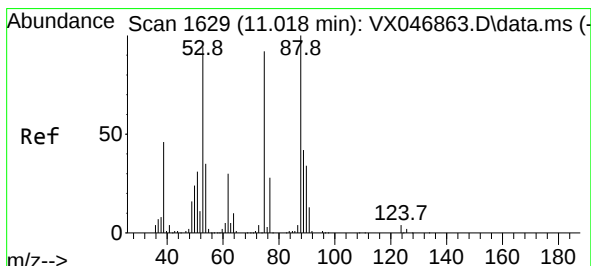
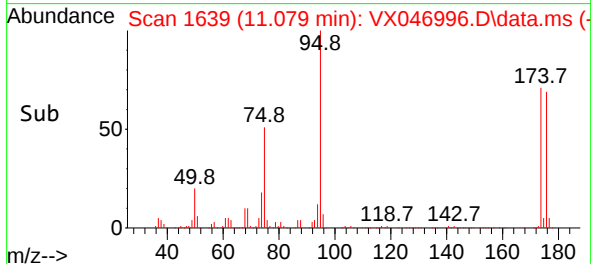
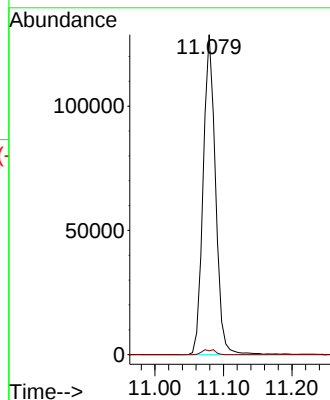
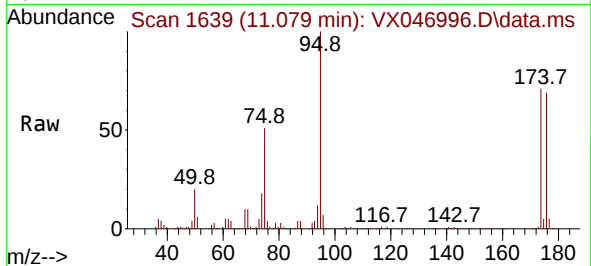




#76
1,2,3-Trichloropropane
Concen: 33.430 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

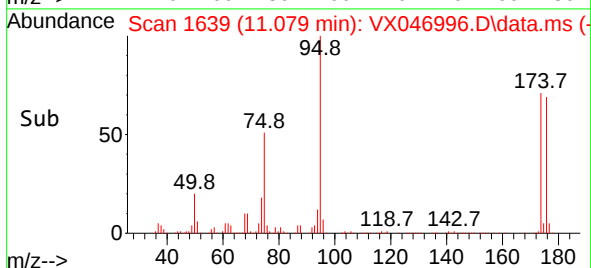
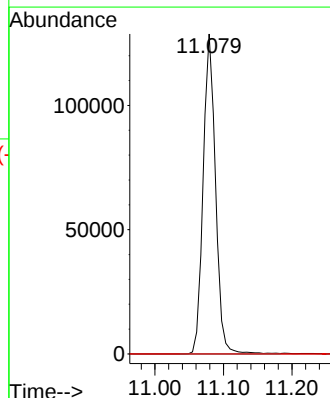
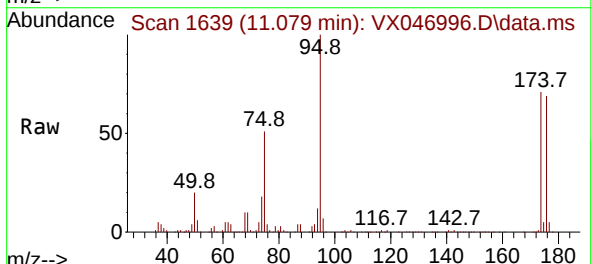
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

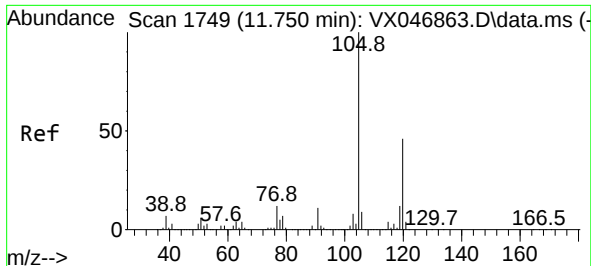
Tgt Ion: 75 Resp: 162068
Ion Ratio Lower Upper
75 100
77 1.6 20.6 61.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.708 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion: 75 Resp: 162068
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

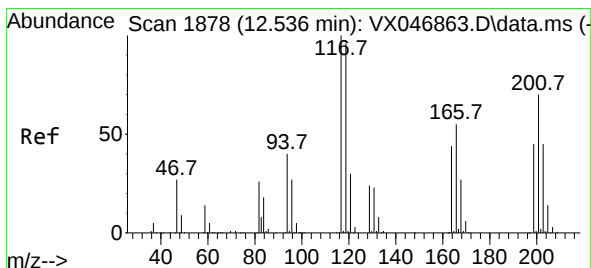
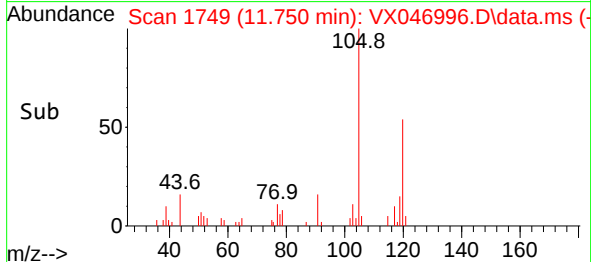
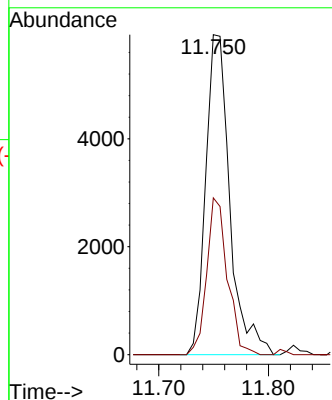
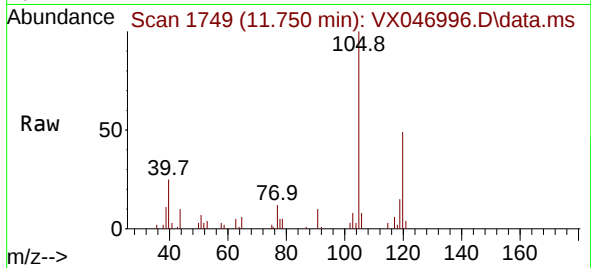




#84
1,2,4-Trimethylbenzene
Concen: 0.498 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

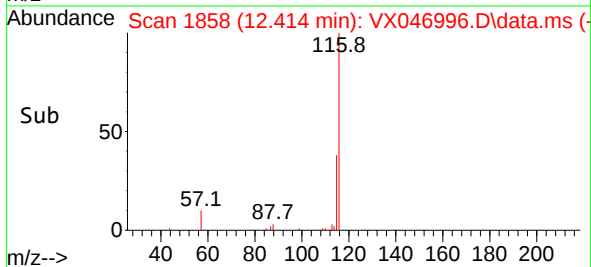
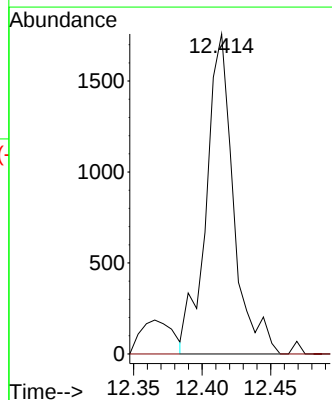
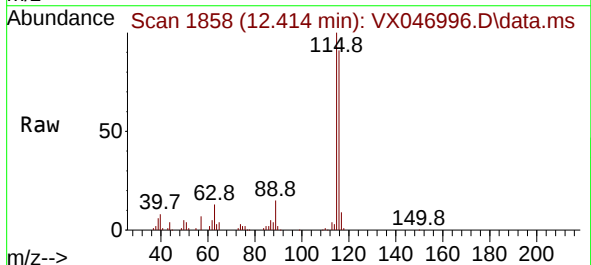
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-GRE

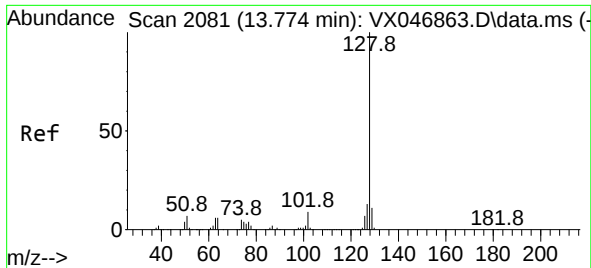
Tgt Ion:105 Resp: 9018
Ion Ratio Lower Upper
105 100
120 42.2 23.3 69.8



#90
Hexachloroethane
Concen: 0.705 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX046996.D
Acq: 15 Jul 2025 13:12

Tgt Ion:117 Resp: 2442
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#





#95

Naphthalene

Concen: 95.163 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX046996.D

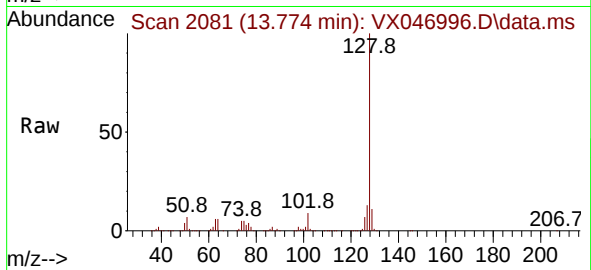
Acq: 15 Jul 2025 13:12

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-11-GRE



Tgt Ion:128 Resp: 1696234

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.9 8.6 13.0

