

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046143.D
 Acq On : 12 May 2025 17:06
 Operator : JC/MD
 Sample : Q1986-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-11

Quant Time: May 13 03:21:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

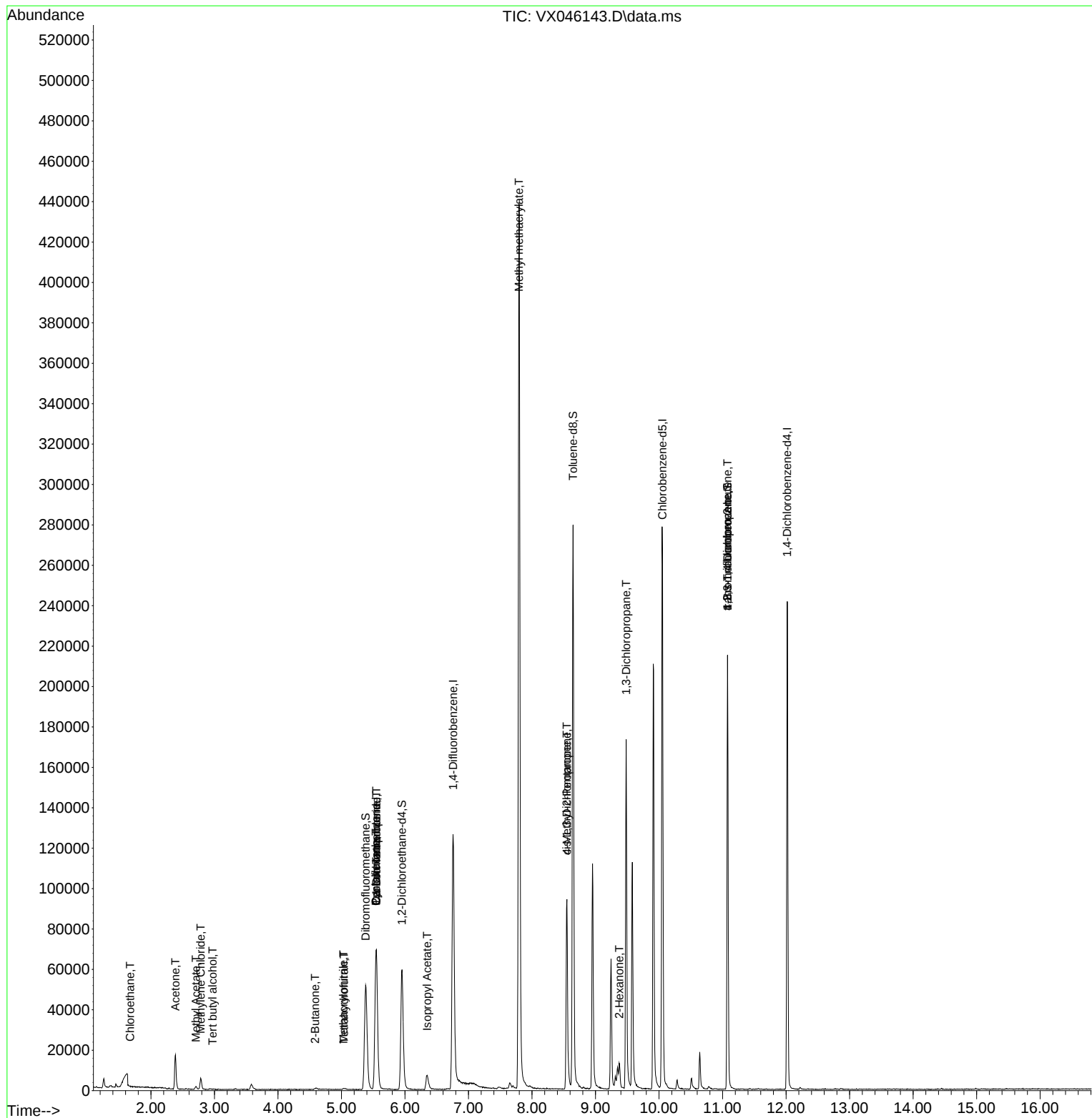
Internal Standards						
1) Pentafluorobenzene	5.544	168	59932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61698	55.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.440%			
35) Dibromofluoromethane	5.379	113	45044	51.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.860%			
50) Toluene-d8	8.647	98	155038	51.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	11.079	95	56733	48.792	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.580%			
Target Compounds					Qvalue	
6) Chloroethane	1.672	64	89	0.201	ug/l #	44
11) Tert butyl alcohol	2.971	59	198	1.262	ug/l #	72
16) Acetone	2.386	43	19148	42.742	ug/l	96
18) Methyl Acetate	2.709	43	2234	2.149	ug/l	95
20) Methylene Chloride	2.782	84	2541	2.960	ug/l	97
25) 2-Butanone	4.586	43	2022	3.109	ug/l #	86
29) Tetrahydrofuran	5.038	42	377	0.925	ug/l #	50
31) Cyclohexane	5.544	56	1939	1.456	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	6040	5.133	ug/l #	48
38) Carbon Tetrachloride	5.550	117	7238	5.474	ug/l #	16
41) Methacrylonitrile	5.032	41	170	0.224	ug/l #	54
43) Isopropyl Acetate	6.348	43	11609	5.234	ug/l	97
48) Methyl methacrylate	7.793	41	43969	38.817	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	37157	25.239	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	14322	10.950	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1419	0.948	ug/l #	42
59) 2-Hexanone	9.372	43	11095	10.186	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	31414	29.764	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31414	96.904	ug/l #	1

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

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Quant Time: May 13 03:21:08 2025
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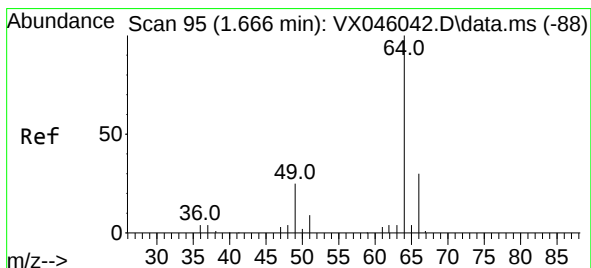
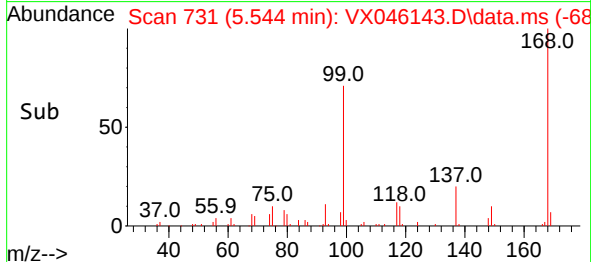
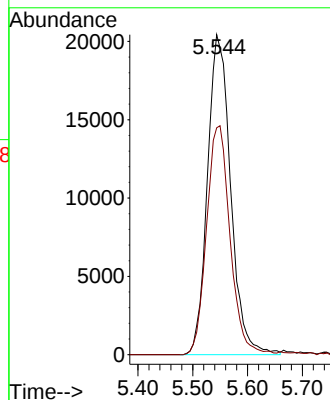
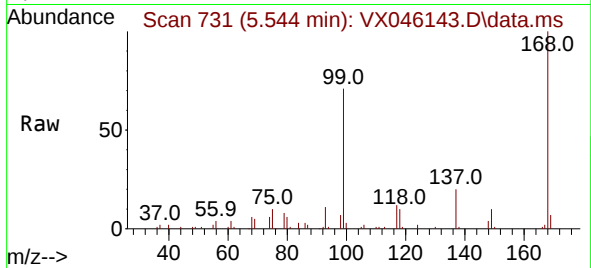




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

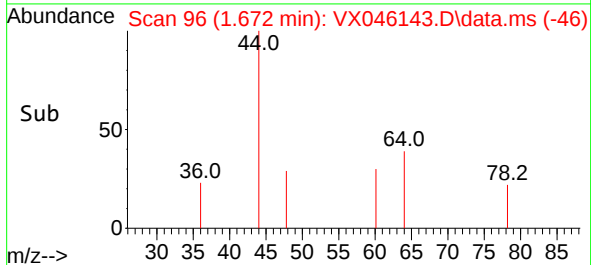
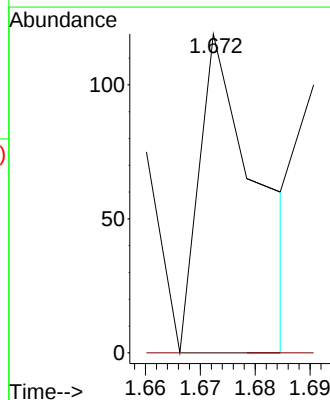
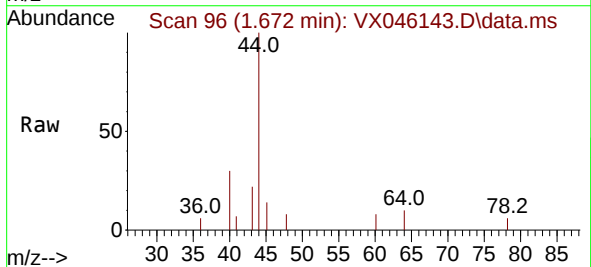
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

Tgt Ion:168 Resp: 59932
Ion Ratio Lower Upper
168 100
99 70.9 54.9 82.3



#6
Chloroethane
Concen: 0.201 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

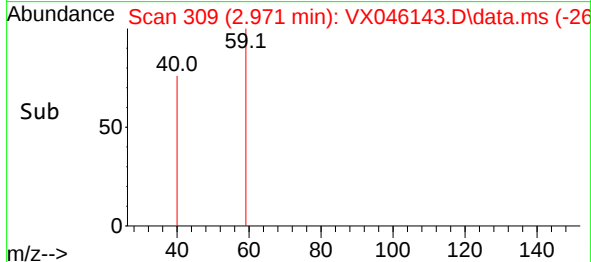
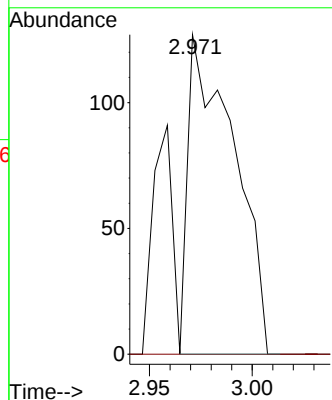
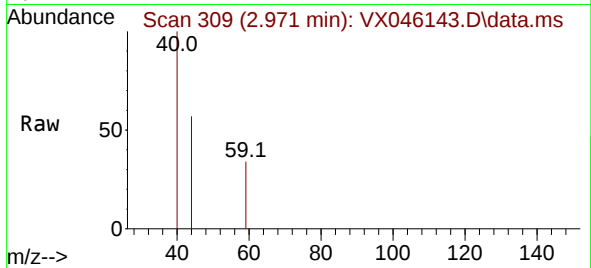




#11
Tert butyl alcohol
Concen: 1.262 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

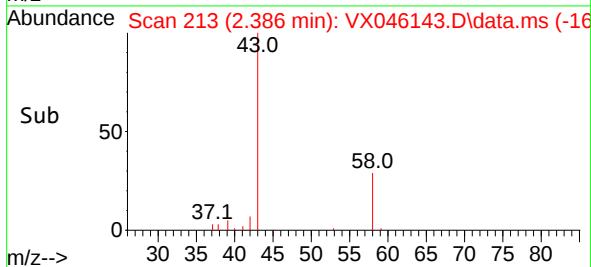
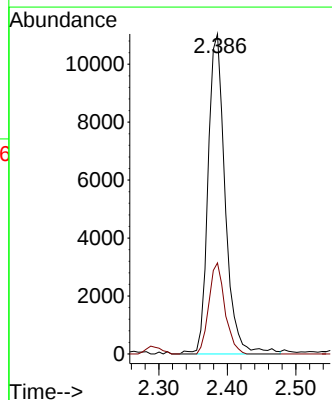
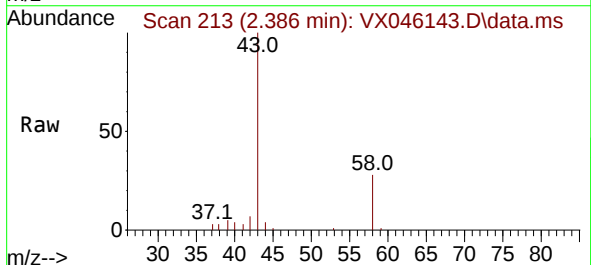
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

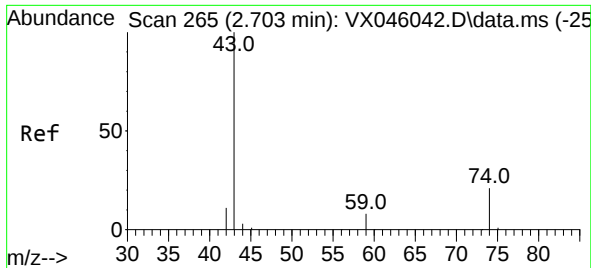
Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 42.742 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 43 Resp: 19148
Ion Ratio Lower Upper
43 100
58 28.5 21.2 31.8

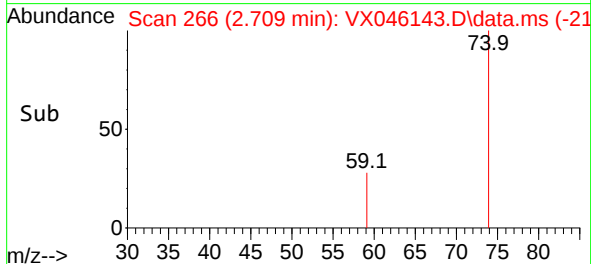
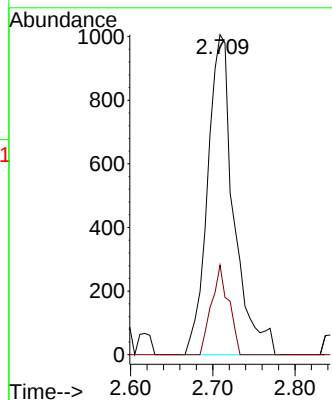
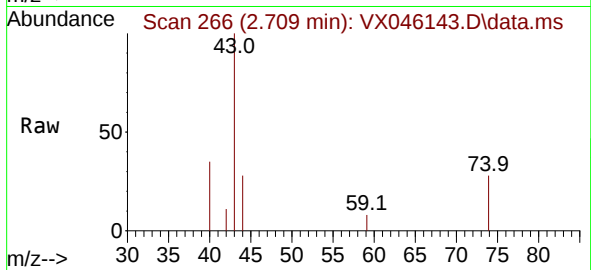




#18
Methyl Acetate
Concen: 2.149 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

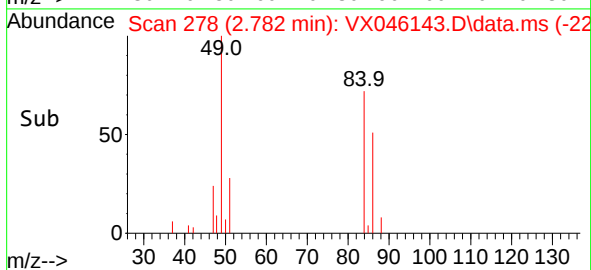
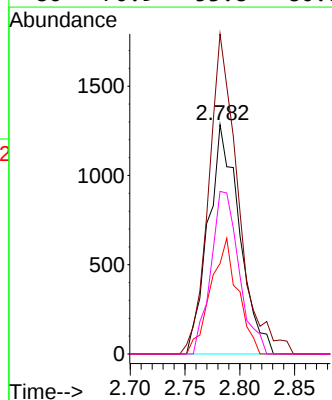
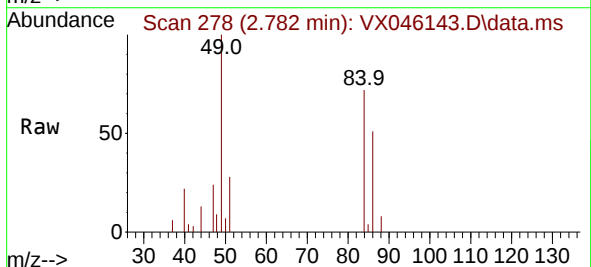
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

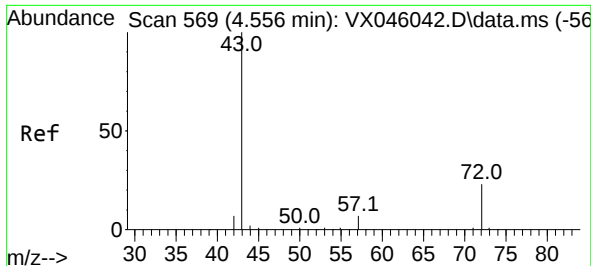
Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
74 18.4 16.7 25.1



#20
Methylene Chloride
Concen: 2.960 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 84 Resp: 2541
Ion Ratio Lower Upper
84 100
49 139.5 113.9 170.9
51 39.4 33.5 50.3
86 70.9 53.8 80.8

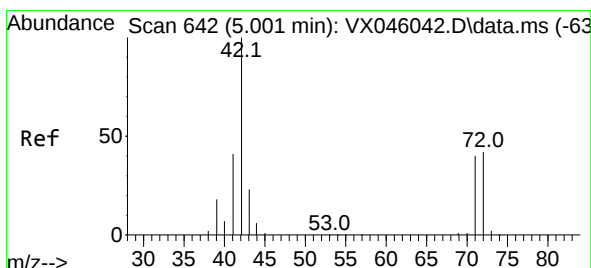
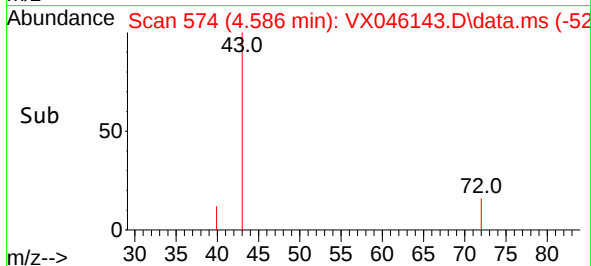
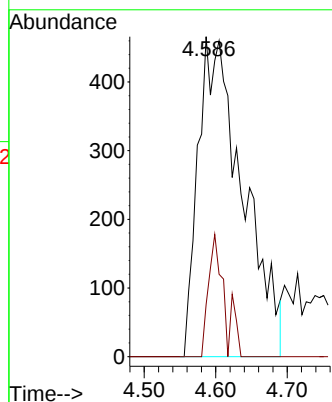
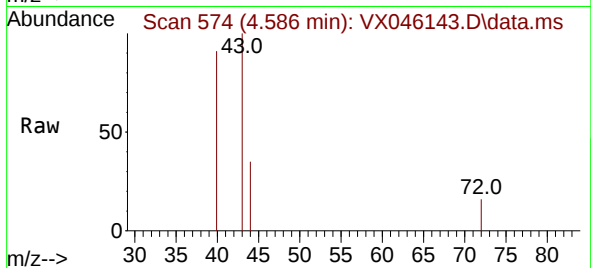




#25
2-Butanone
Concen: 3.109 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

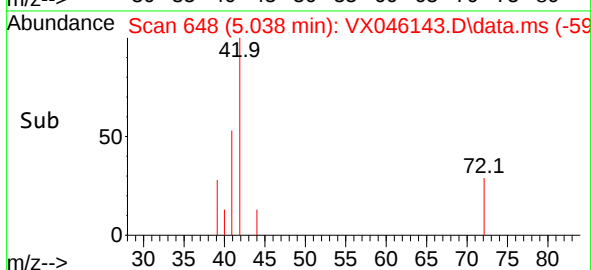
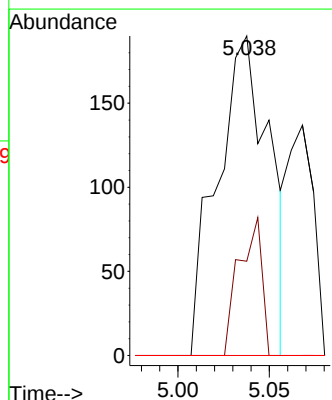
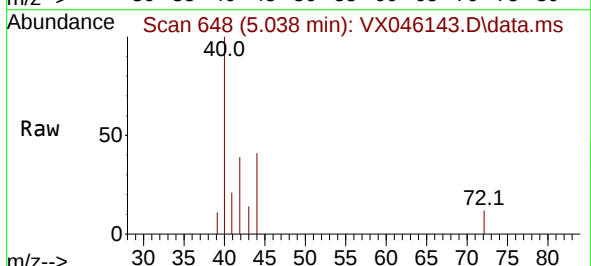
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

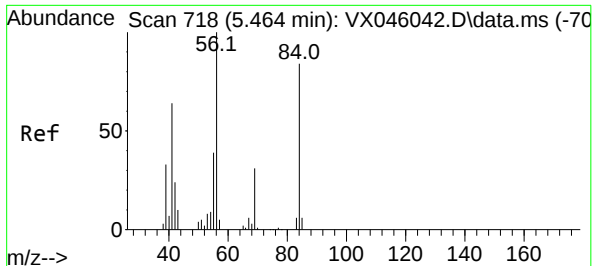
Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
72 16.3 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.925 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.036 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

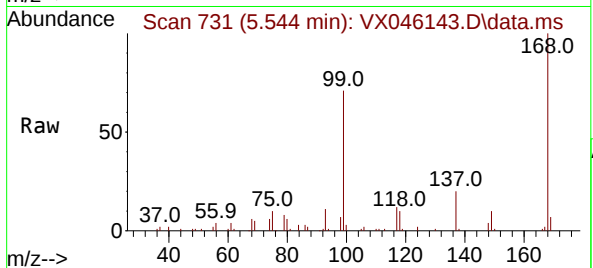
Tgt Ion: 42 Resp: 377
Ion Ratio Lower Upper
42 100
72 18.8 33.7 50.5#
71 0.0 31.4 47.2#



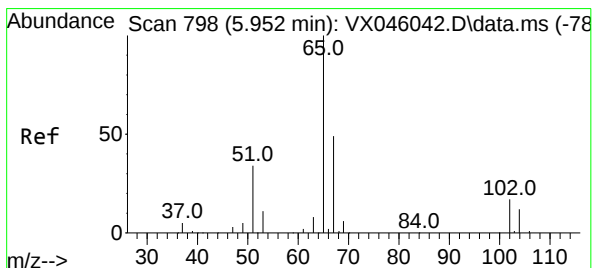
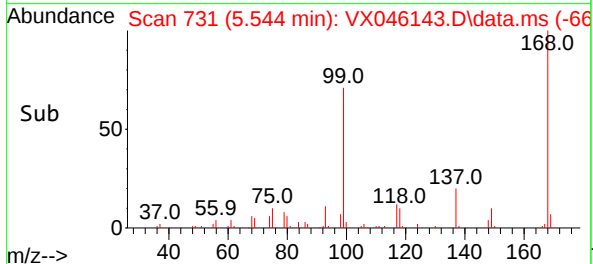
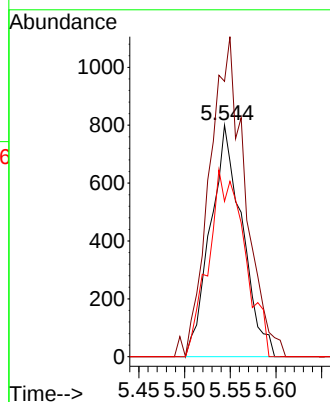


#31
Cyclohexane
Concen: 1.456 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
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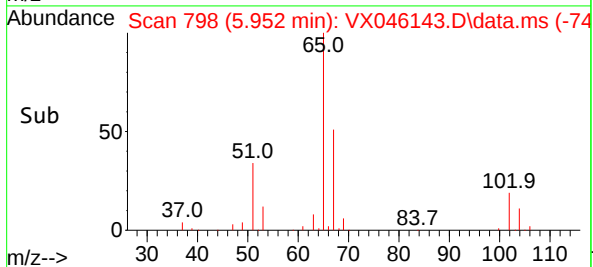
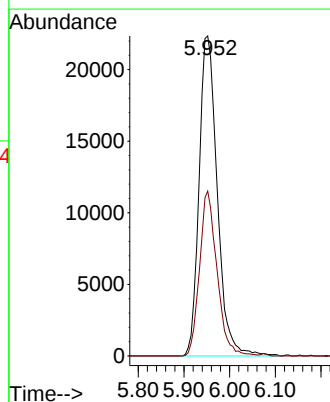
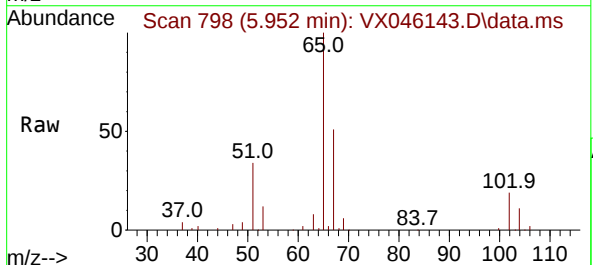


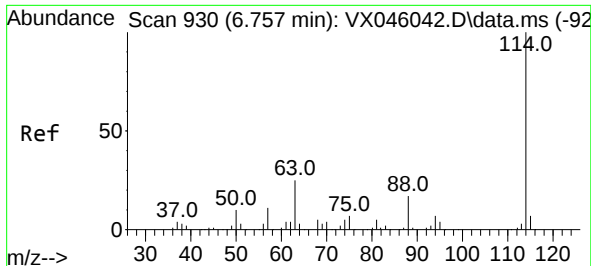
Tgt Ion: 56 Resp: 1939
Ion Ratio Lower Upper
56 100
69 111.9 24.4 36.6#
84 67.1 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 55.219 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 65 Resp: 61698
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

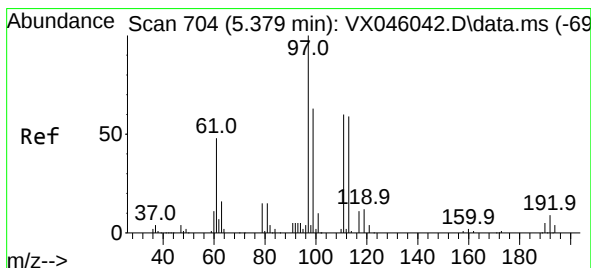
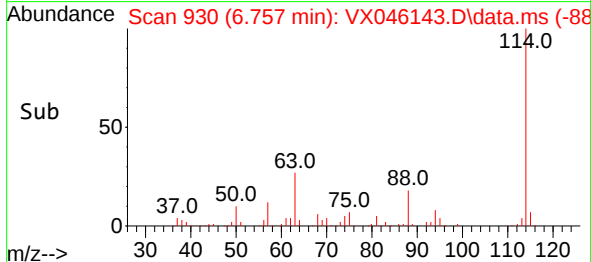
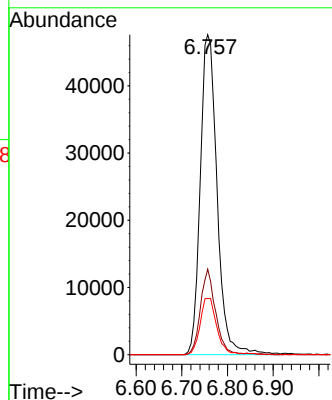
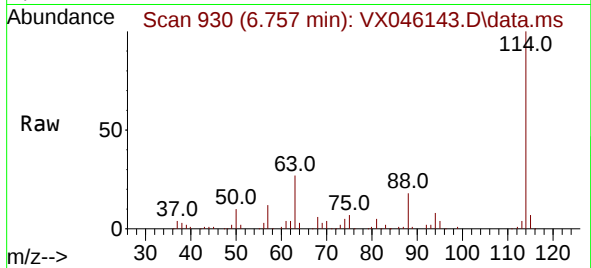




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

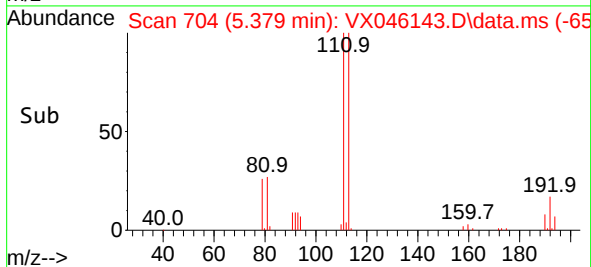
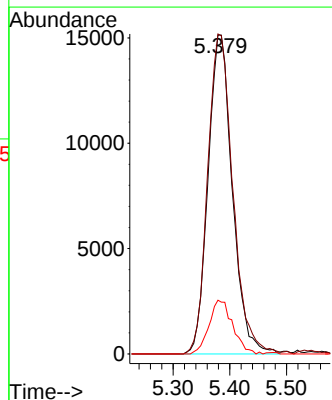
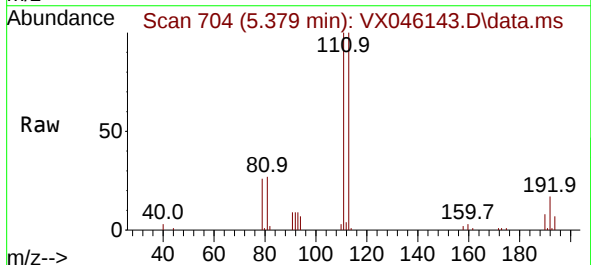
Instrument :
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Tgt Ion:114 Resp: 121621
Ion Ratio Lower Upper
114 100
63 26.7 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.432 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion:113 Resp: 45044
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 16.4 13.3 19.9

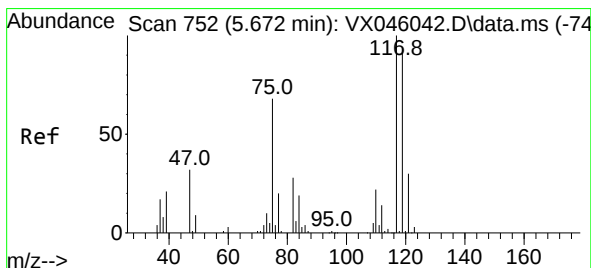
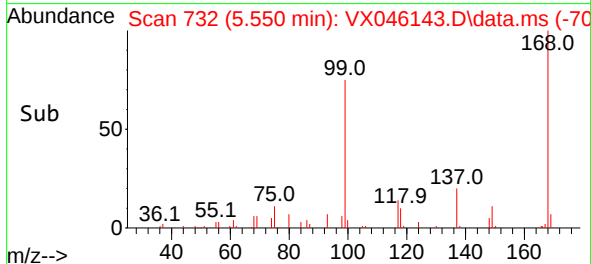
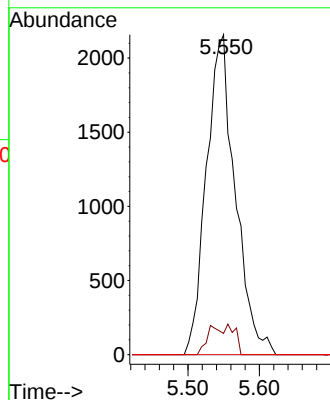
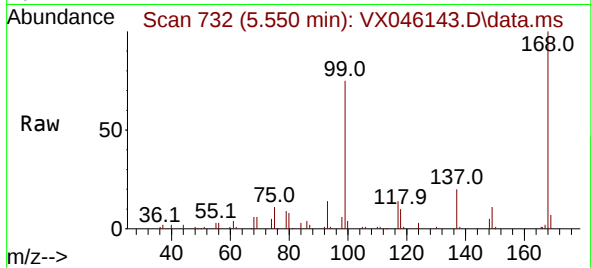




#36
1,1-Dichloropropene
Concen: 5.133 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.134 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

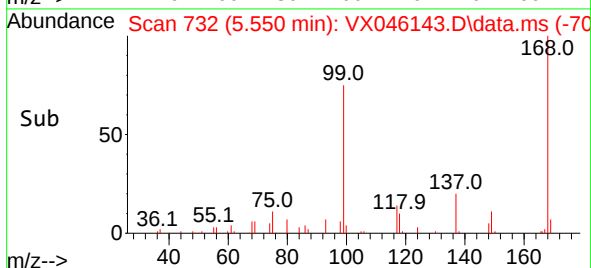
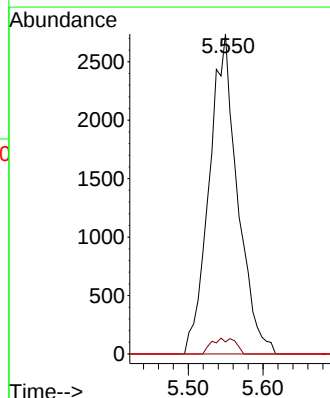
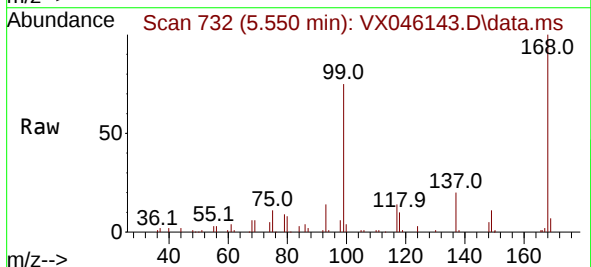
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

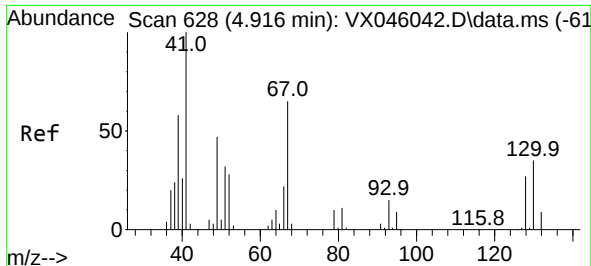
Tgt Ion: 75 Resp: 6040
Ion Ratio Lower Upper
75 100
110 4.9 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 117 Resp: 7238
Ion Ratio Lower Upper
117 100
119 3.8 75.2 112.8#
121 0.0 24.2 36.4#

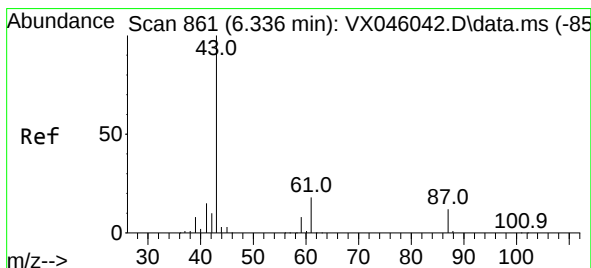
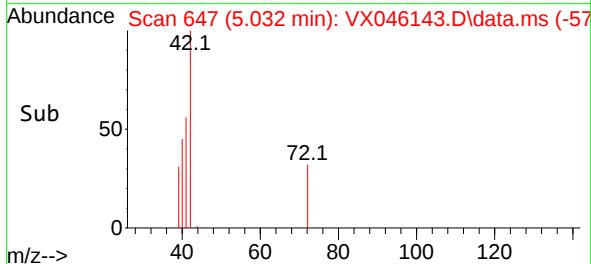
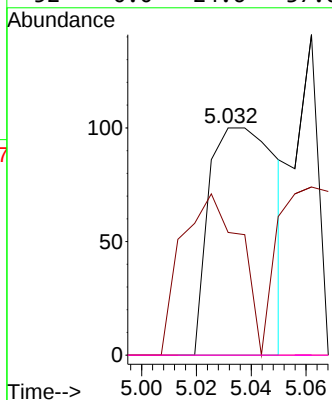
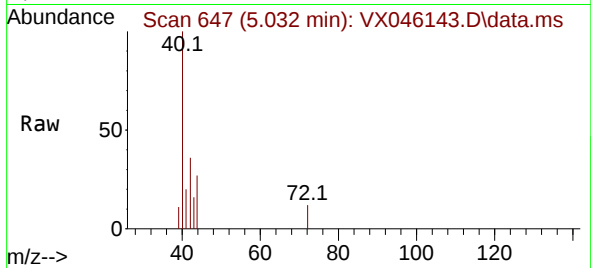




#41
Methacrylonitrile
Concen: 0.224 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

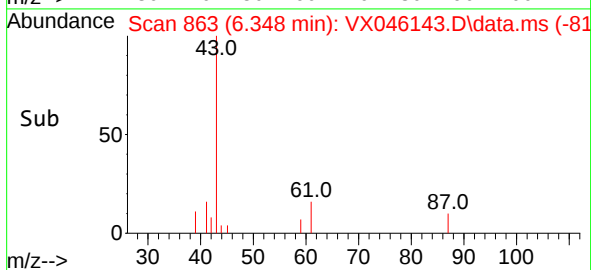
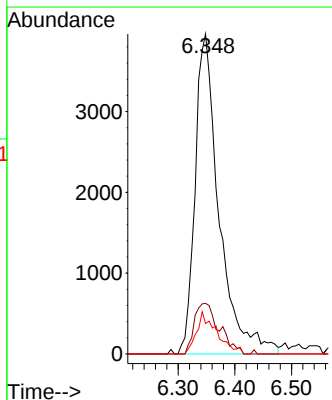
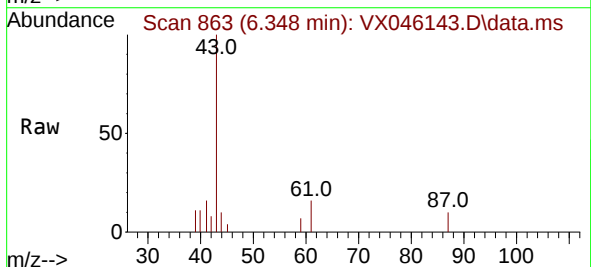
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

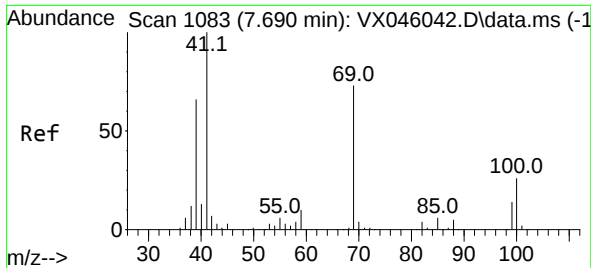
Tgt Ion: 41	Resp: 170
Ion Ratio	Lower Upper
41	100
39	61.8 47.2 70.8
67	0.0 50.7 76.1#
52	0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.234 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 43	Resp: 11609
Ion Ratio	Lower Upper
43	100
61	16.5 14.3 21.5
87	11.1 9.5 14.3

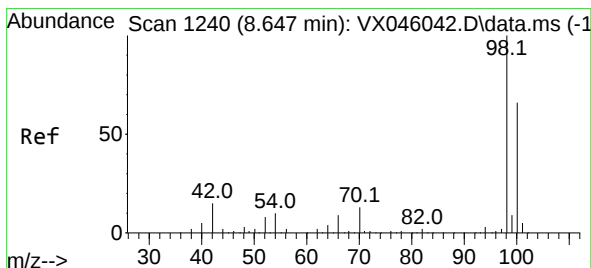
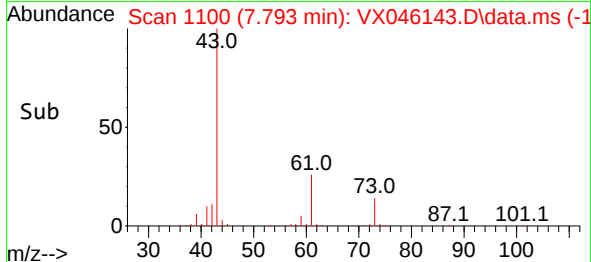
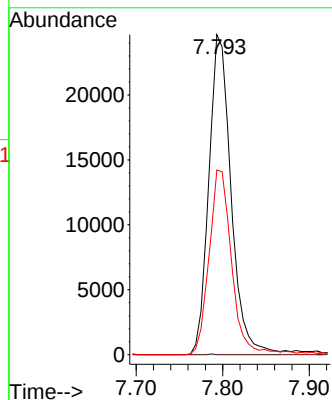
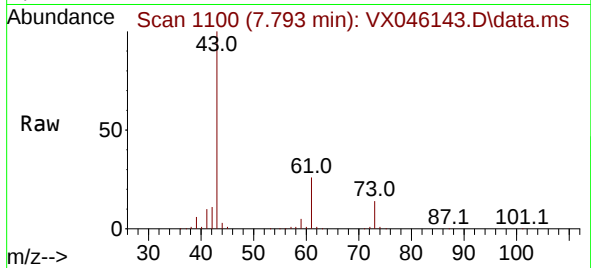




#48
Methyl methacrylate
Concen: 38.817 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

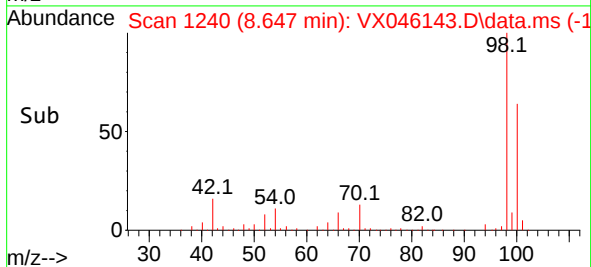
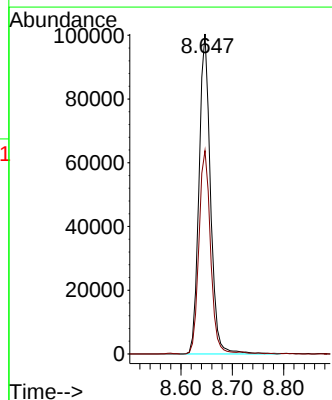
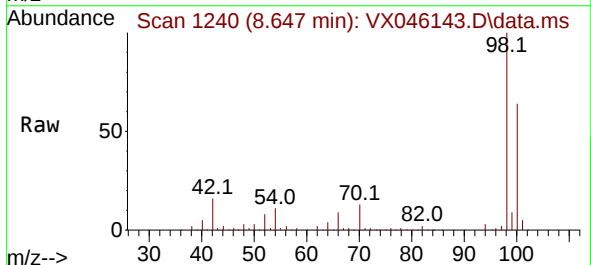
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

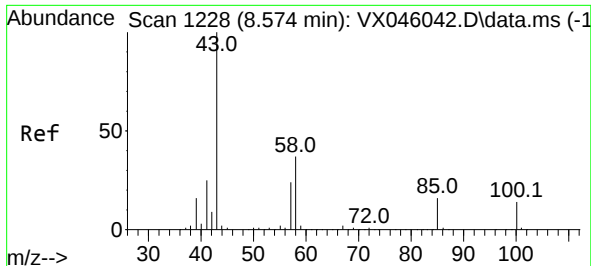
Tgt Ion: 41 Resp: 43969
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 59.4 51.7 77.5



#50
Toluene-d8
Concen: 51.146 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 98 Resp: 155038
Ion Ratio Lower Upper
98 100
100 64.3 53.5 80.3

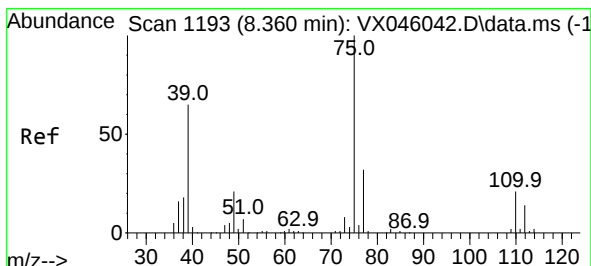
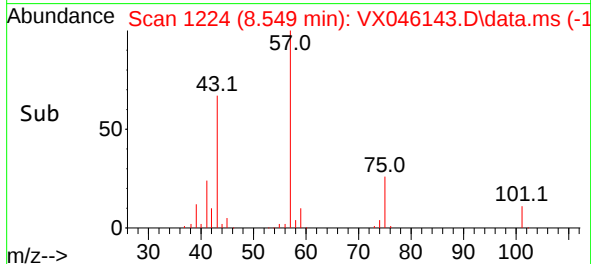
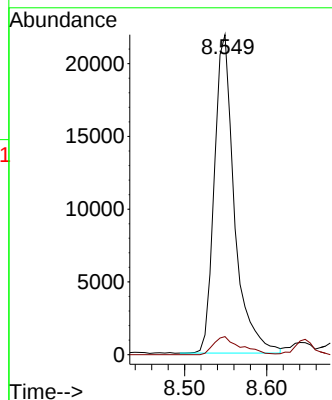
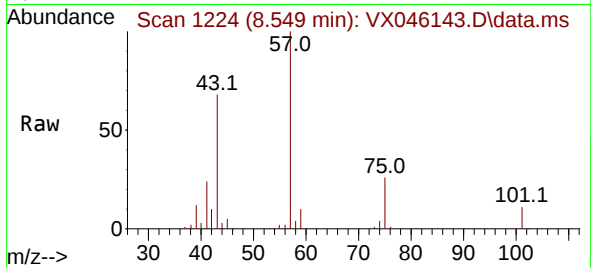




#51
4-Methyl-2-Pentanone
Concen: 25.239 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

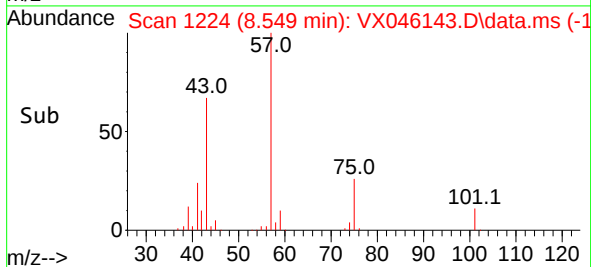
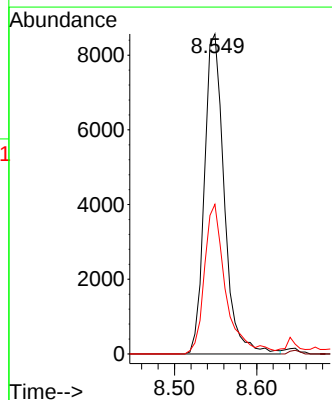
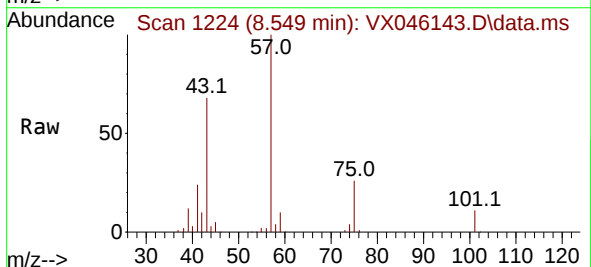
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

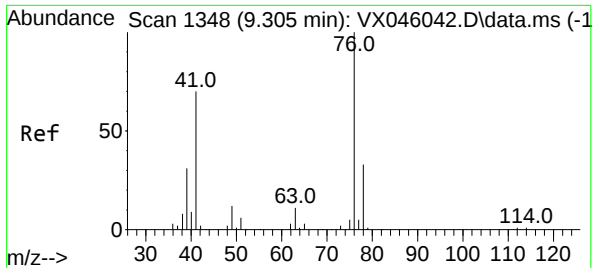
Tgt Ion: 43 Resp: 37157
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 10.950 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 75 Resp: 14322
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 46.7 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.948 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046143.D

Acq: 12 May 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

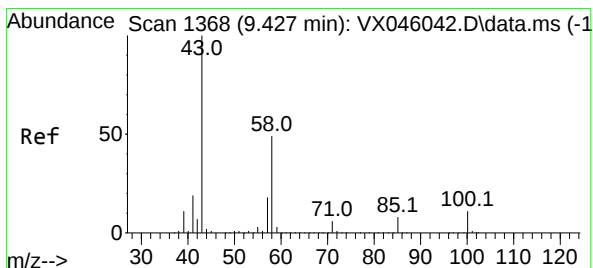
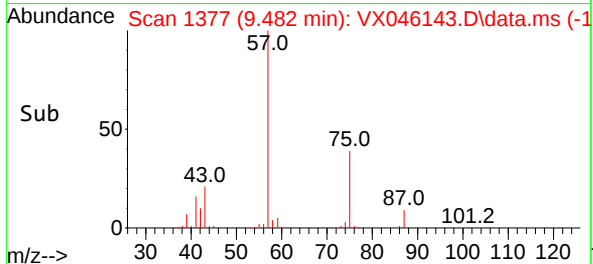
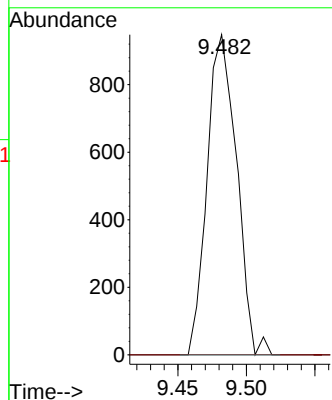
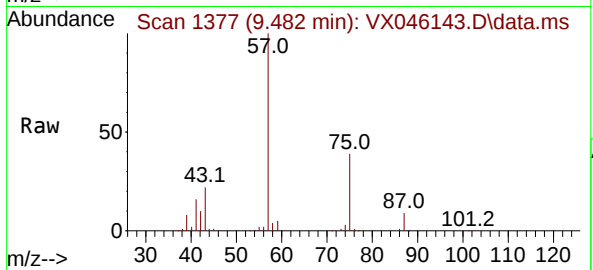
COMP-11

Tgt Ion: 76 Resp: 1419

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.186 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046143.D

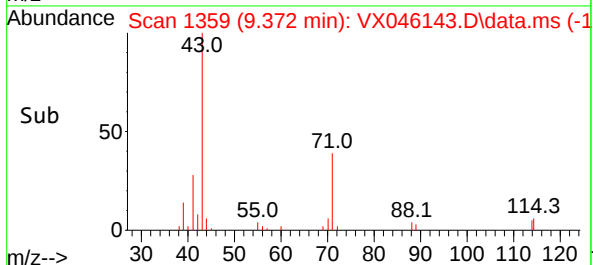
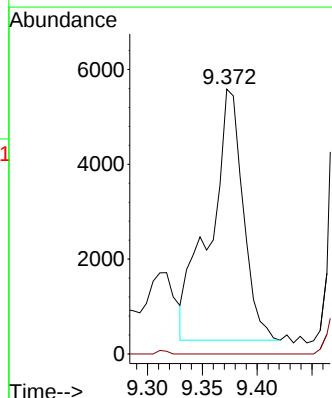
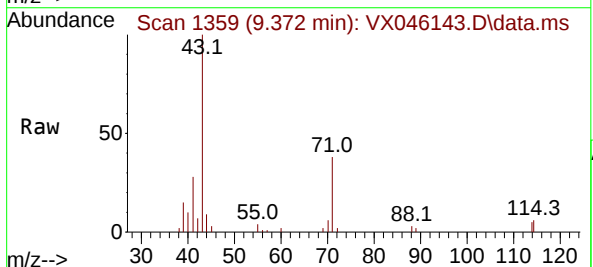
Acq: 12 May 2025 17:06

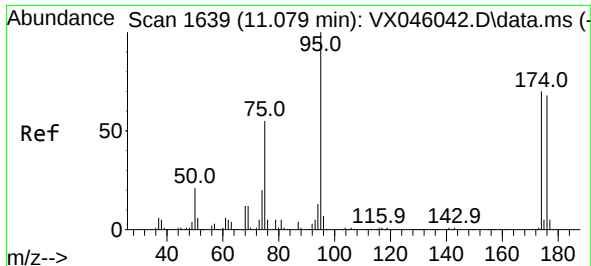
Tgt Ion: 43 Resp: 11095

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

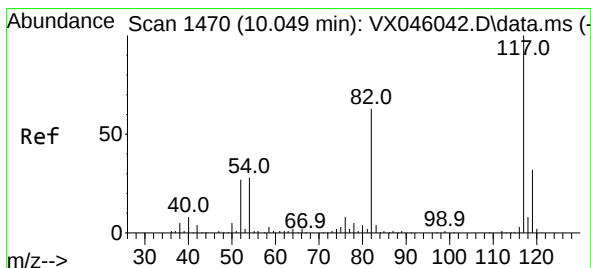
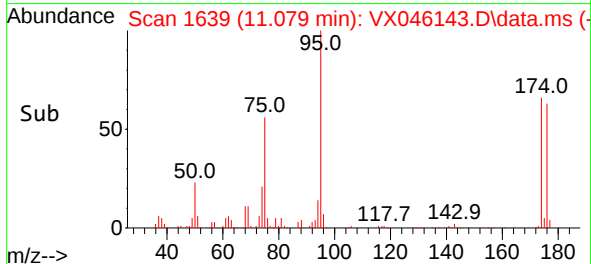
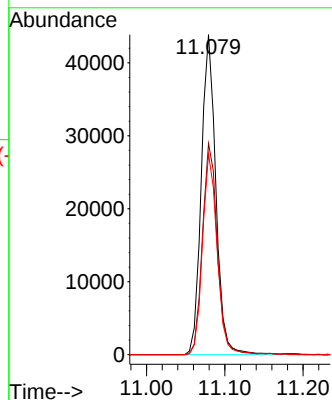
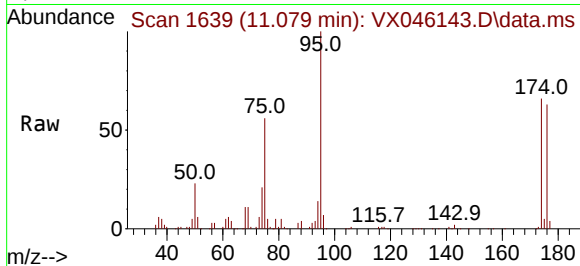




#62
4-Bromofluorobenzene
Concen: 48.792 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

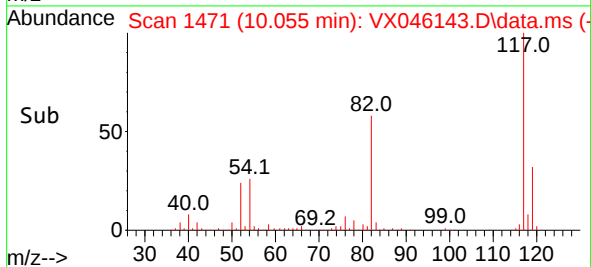
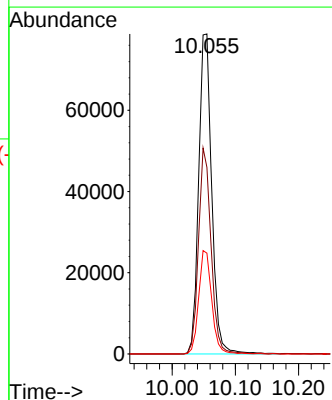
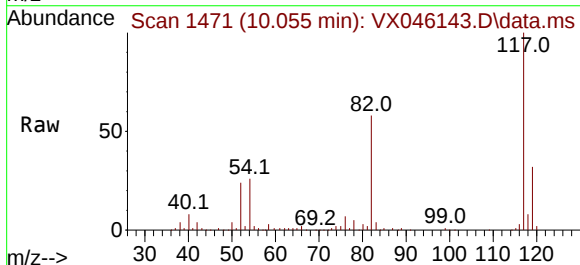
Instrument :
MSVOA_X
ClientSampleId :
COMP-11

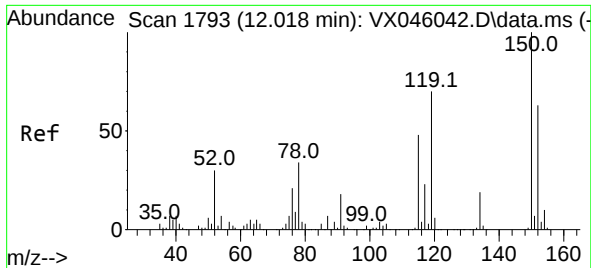
Tgt Ion: 95 Resp: 56733
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 63.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046143.D
Acq: 12 May 2025 17:06

Tgt Ion: 117 Resp: 113450
Ion Ratio Lower Upper
117 100
82 58.3 50.6 76.0
119 31.5 25.8 38.6

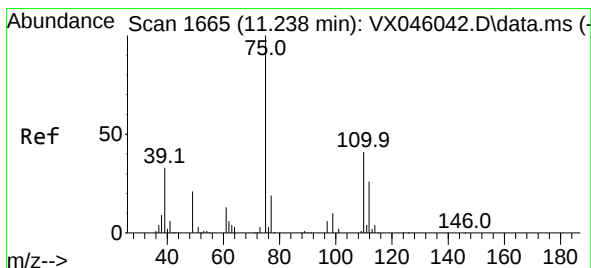
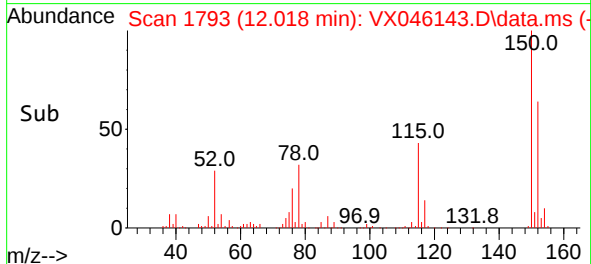
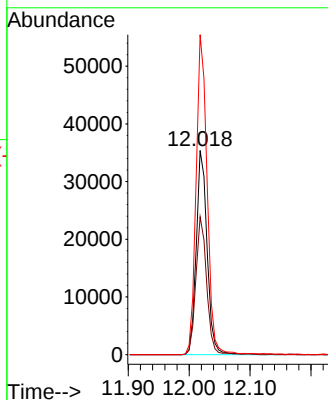
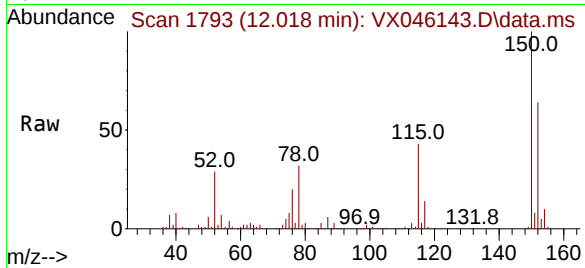




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046143.D
 Acq: 12 May 2025 17:06

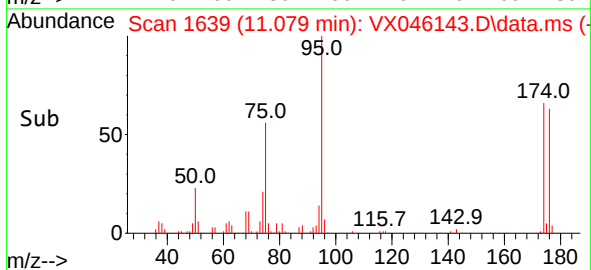
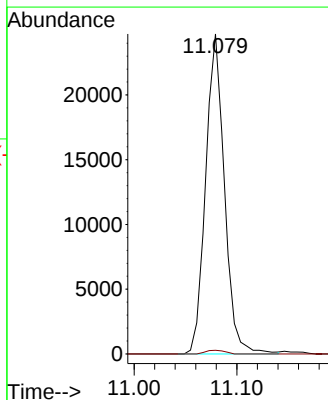
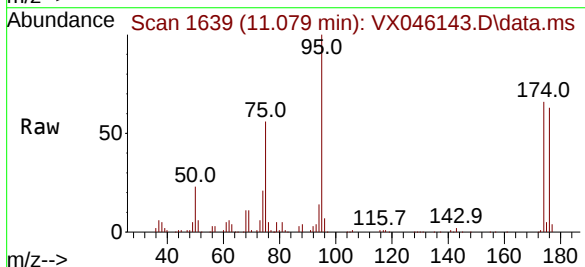
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-11

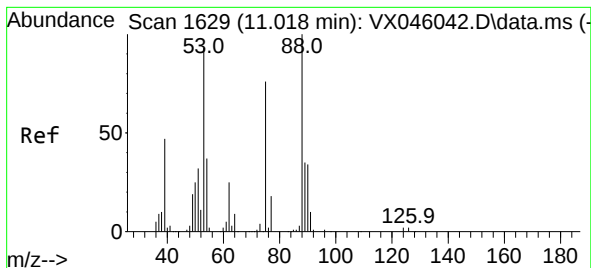
Tgt Ion:152 Resp: 43847
 Ion Ratio Lower Upper
 152 100
 115 66.9 46.9 140.7
 150 158.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.764 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046143.D
 Acq: 12 May 2025 17:06

Tgt Ion: 75 Resp: 31414
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.904 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX046143.D
 Acq: 12 May 2025 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-11

Tgt Ion: 75 Resp: 31414
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

