

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046141.D
 Acq On : 12 May 2025 16:19
 Operator : JC/MD
 Sample : Q1986-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-9

Quant Time: May 13 03:20:23 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)

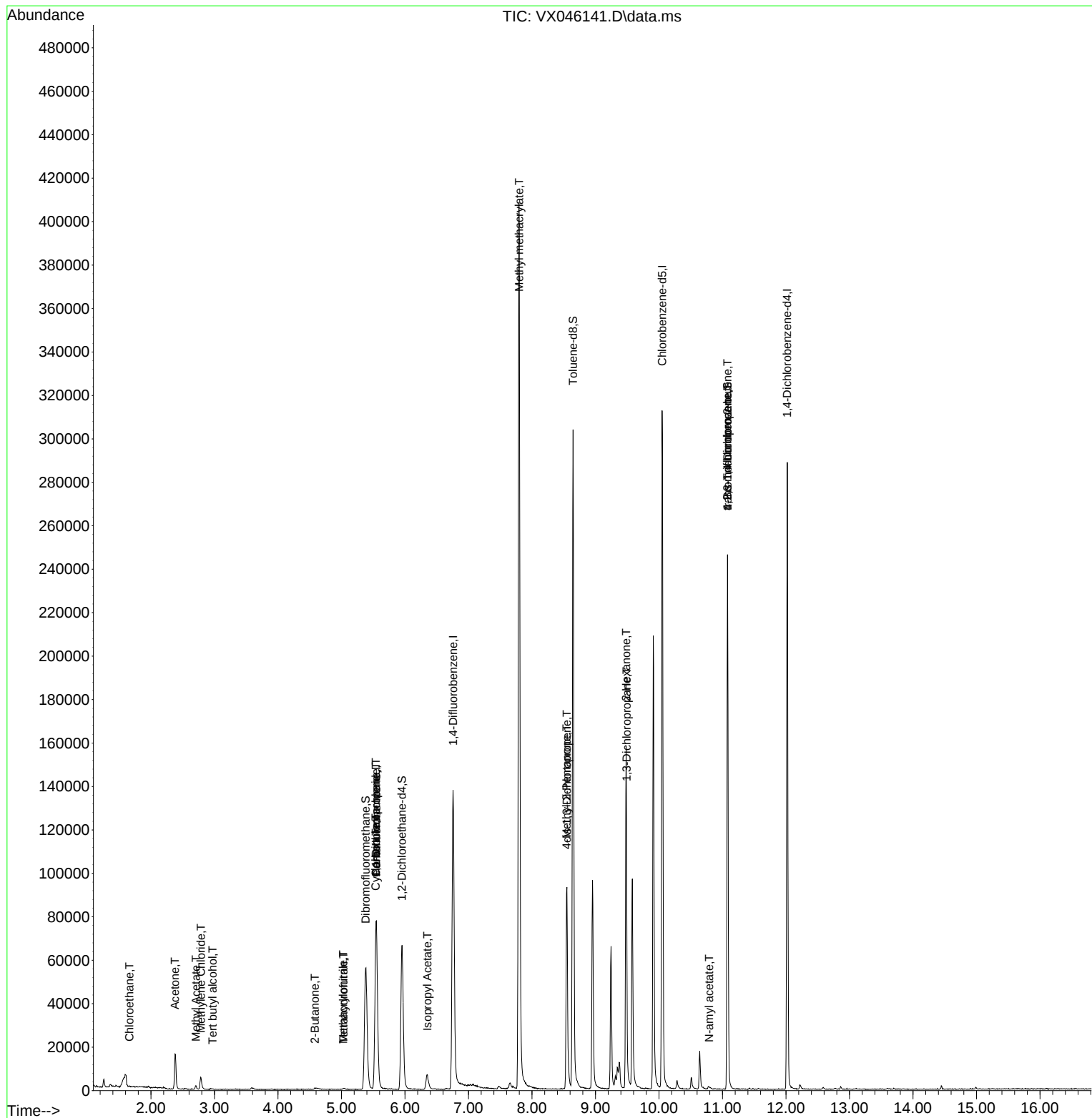
Internal Standards						
1) Pentafluorobenzene	5.550	168	65341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131886	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68734	56.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.840%
35) Dibromofluoromethane	5.379	113	49513	52.134	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.260%
50) Toluene-d8	8.647	98	171223	52.089	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.180%
62) 4-Bromofluorobenzene	11.079	95	63745	50.556	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.120%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	119	0.247	ug/l #	44
11) Tert butyl alcohol	2.971	59	349	2.041	ug/l #	72
16) Acetone	2.380	43	18609	38.100	ug/l	92
18) Methyl Acetate	2.709	43	2186	1.929	ug/l	97
20) Methylene Chloride	2.788	84	2587	2.764	ug/l #	96
25) 2-Butanone	4.581	43	728	1.027	ug/l #	85
29) Tetrahydrofuran	5.032	42	681	1.533	ug/l #	39
31) Cyclohexane	5.538	56	1807	1.245	ug/l #	12
36) 1,1-Dichloropropene	5.544	75	6578	5.155	ug/l #	52
38) Carbon Tetrachloride	5.544	117	8224	5.736	ug/l #	17
41) Methacrylonitrile	5.026	41	245	0.297	ug/l #	29
43) Isopropyl Acetate	6.355	43	10868	4.519	ug/l	97
48) Methyl methacrylate	7.800	41	41075	33.440	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	37462	23.465	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	14016	9.882	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	1348	0.831	ug/l #	42
59) 2-Hexanone	9.482	43	21408	18.125	ug/l #	53
74) N-amyl acetate	10.787	43	1363	0.673	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35984	28.402	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35984	92.468	ug/l #	1

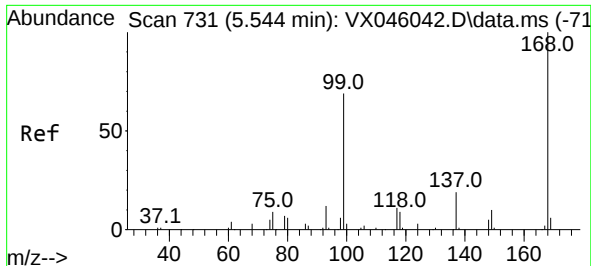
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
Data File : VX046141.D
Acq On : 12 May 2025 16:19
Operator : JC/MD
Sample : Q1986-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
COMP-9

Quant Time: May 13 03:20:23 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

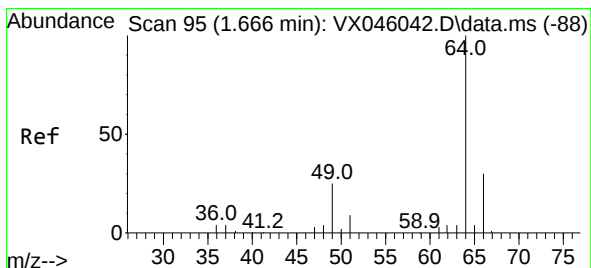
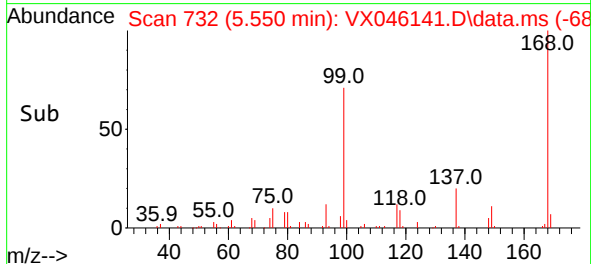
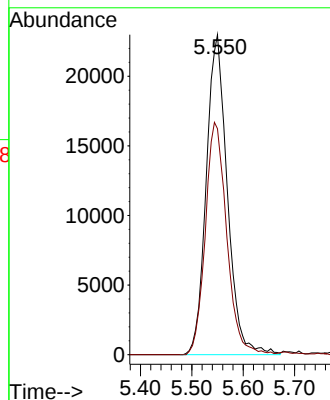
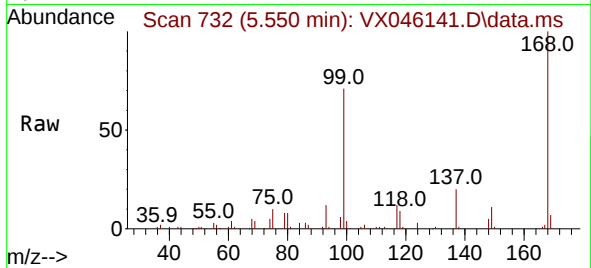




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

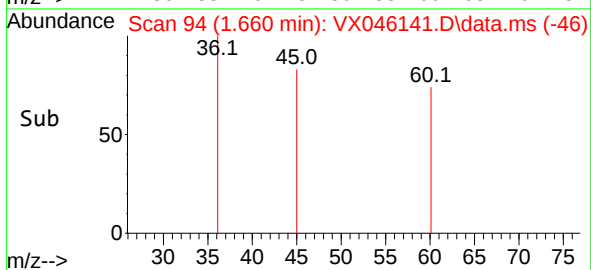
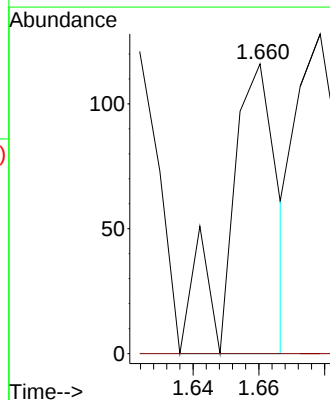
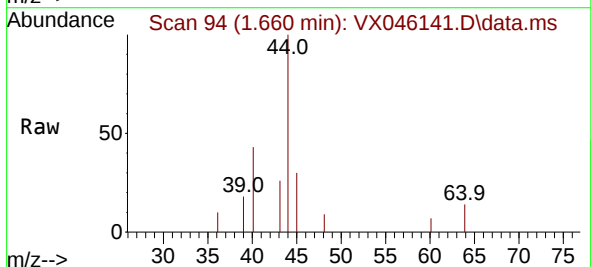
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

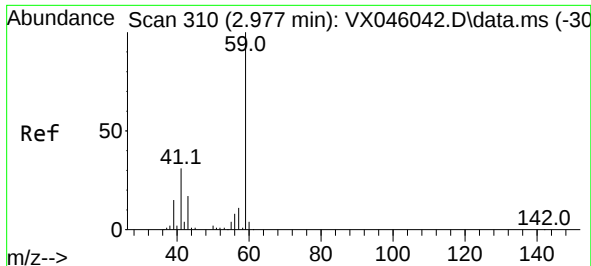
Tgt Ion:168 Resp: 65341
Ion Ratio Lower Upper
168 100
99 70.6 54.9 82.3



#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

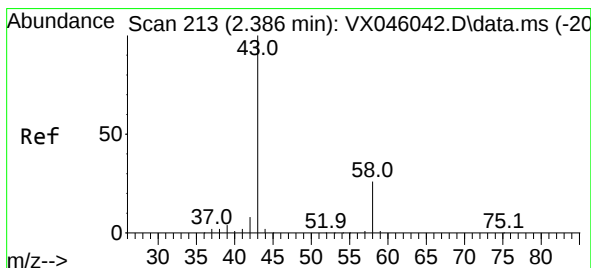
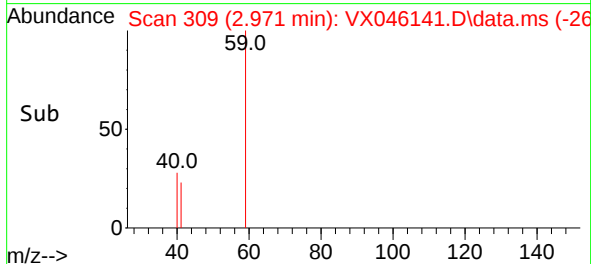
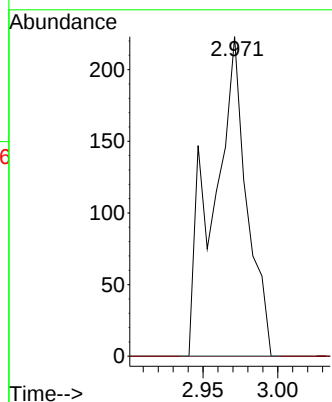
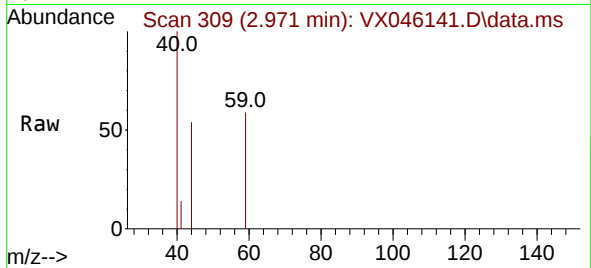




#11
Tert butyl alcohol
Concen: 2.041 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

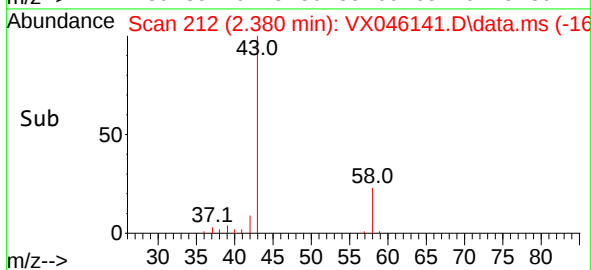
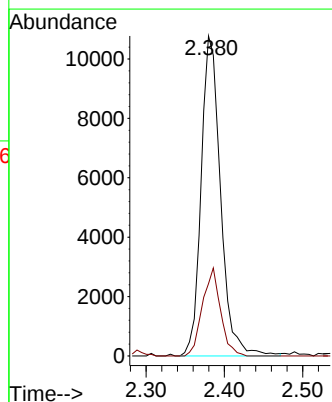
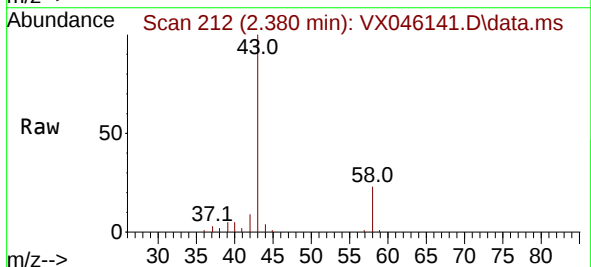
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

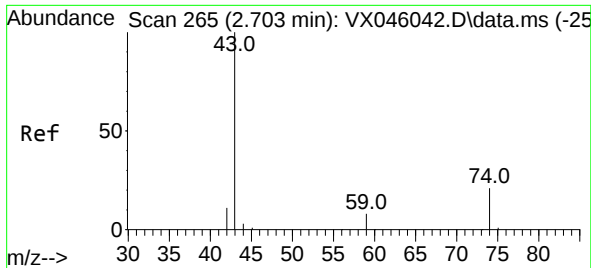
Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 38.100 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 43 Resp: 18609
Ion Ratio Lower Upper
43 100
58 22.6 21.2 31.8

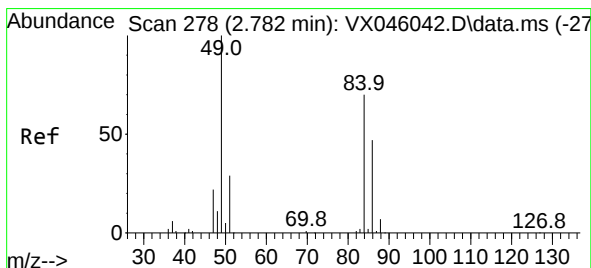
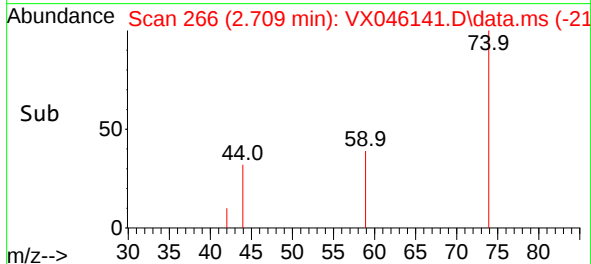
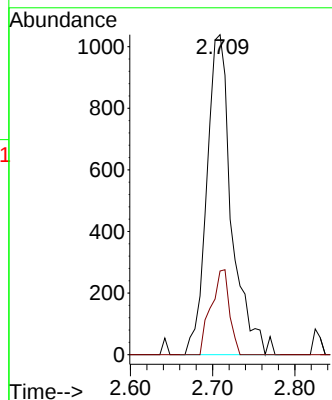
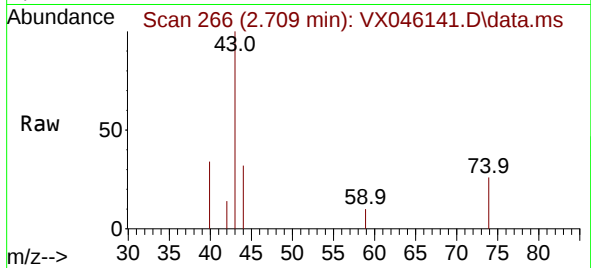




#18
Methyl Acetate
Concen: 1.929 ug/l
RT: 2.709 min Scan# 2186
Delta R.T. 0.006 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

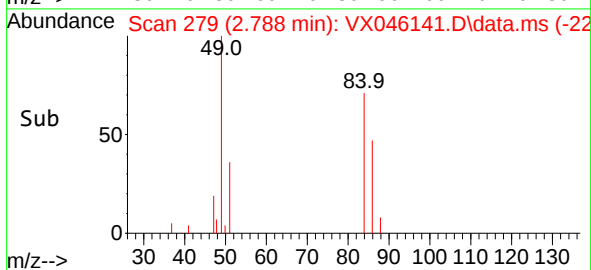
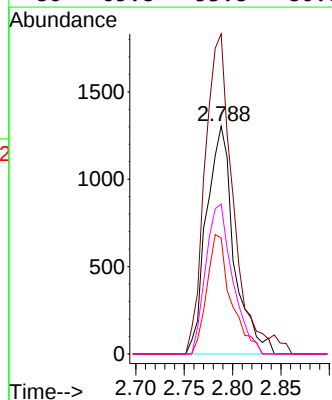
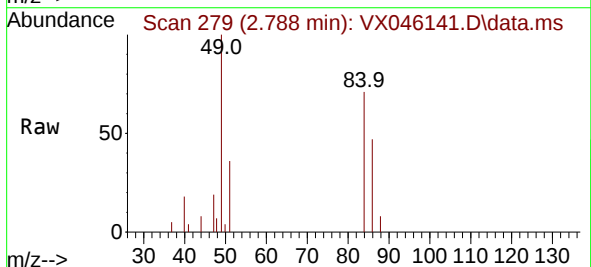
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

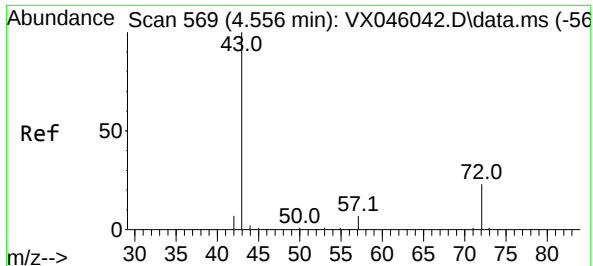
Tgt Ion: 43 Resp: 2186
Ion Ratio Lower Upper
43 100
74 19.6 16.7 25.1



#20
Methylene Chloride
Concen: 2.764 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 84 Resp: 2587
Ion Ratio Lower Upper
84 100
49 140.4 113.9 170.9
51 50.9 33.5 50.3#
86 65.8 53.8 80.8





#25

2-Butanone

Concen: 1.027 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX046141.D

Acq: 12 May 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

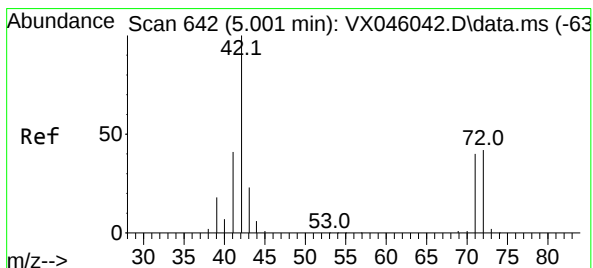
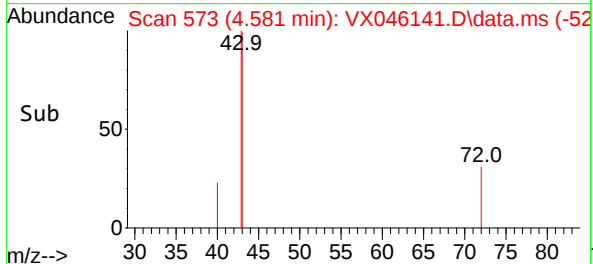
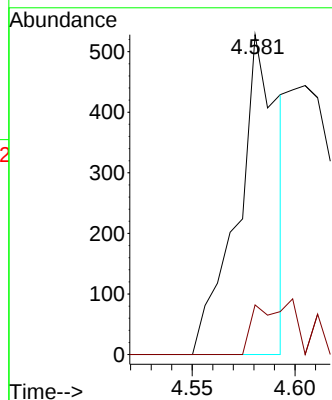
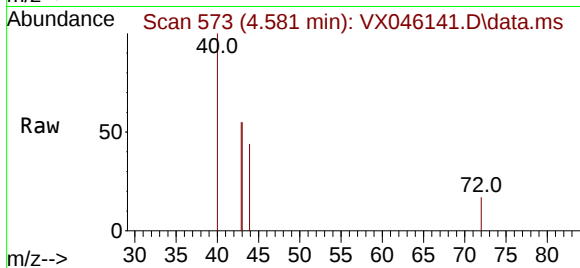
COMP-9

Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

43 100

72 15.5 18.4 27.6#



#29

Tetrahydrofuran

Concen: 1.533 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.031 min

Lab File: VX046141.D

Acq: 12 May 2025 16:19

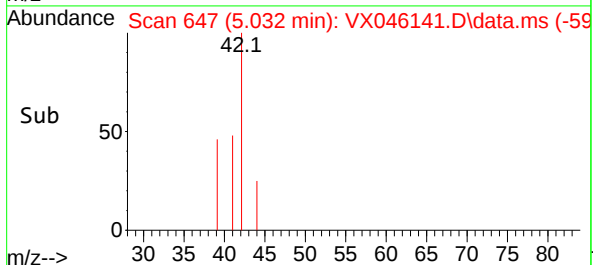
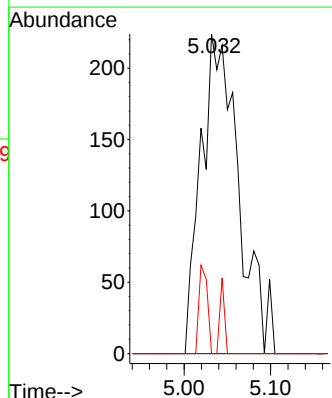
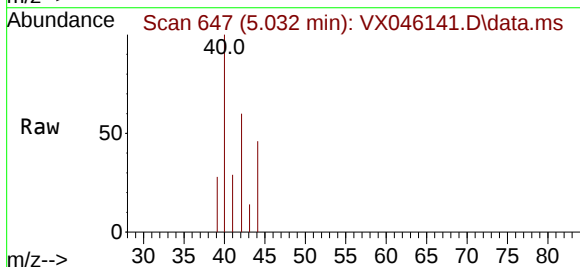
Tgt Ion: 42 Resp: 681

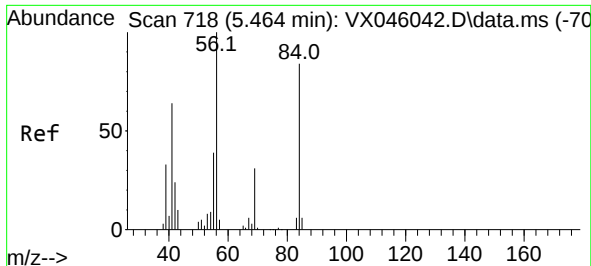
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 6.2 31.4 47.2#

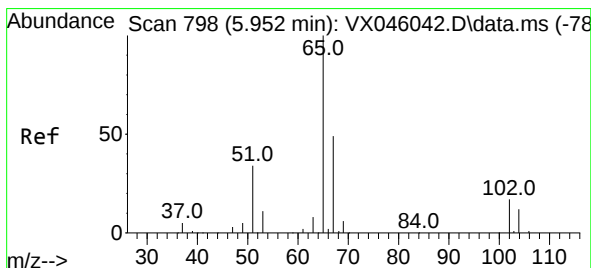
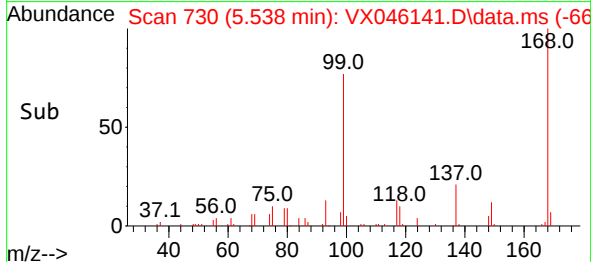
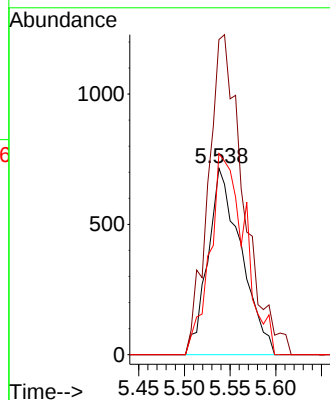
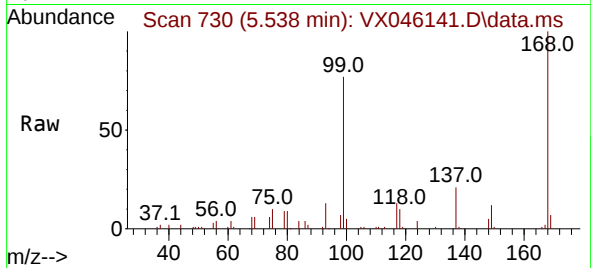




#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

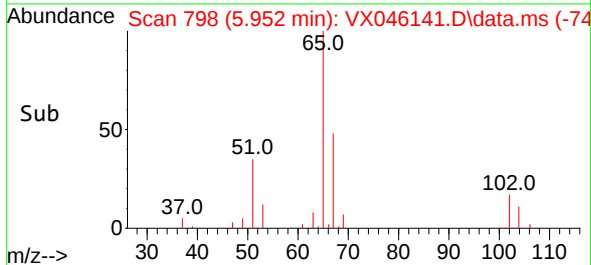
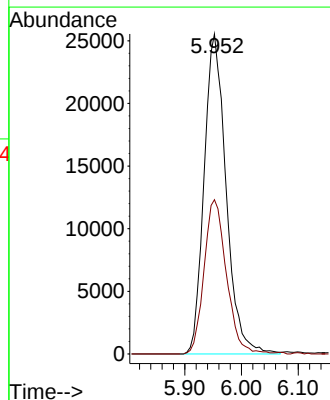
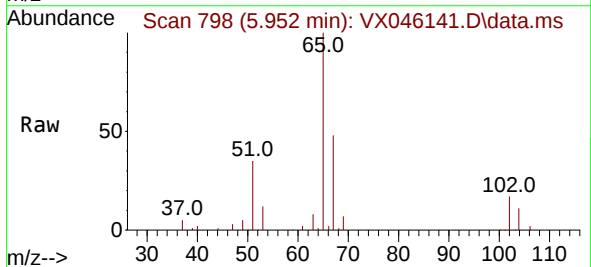
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

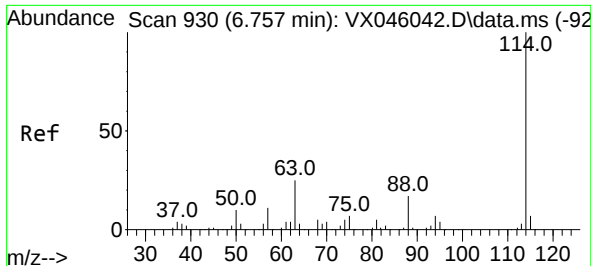
Tgt Ion: 56 Resp: 1807
Ion Ratio Lower Upper
56 100
69 169.1 24.4 36.6#
84 108.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 56.424 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 65 Resp: 68734
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

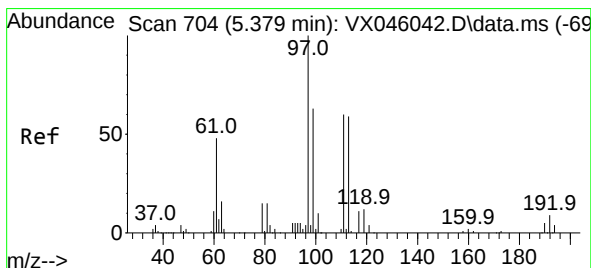
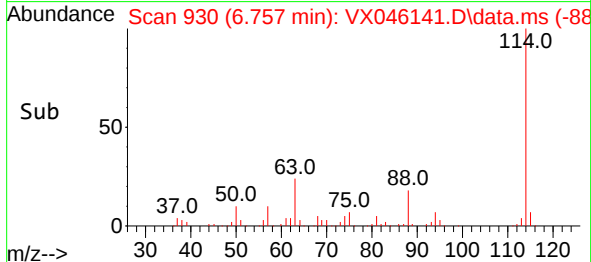
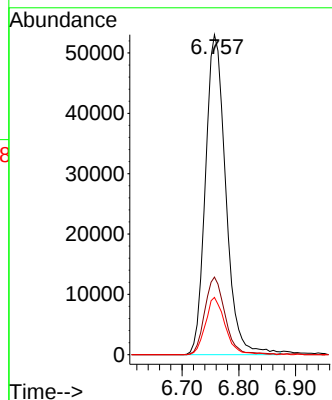
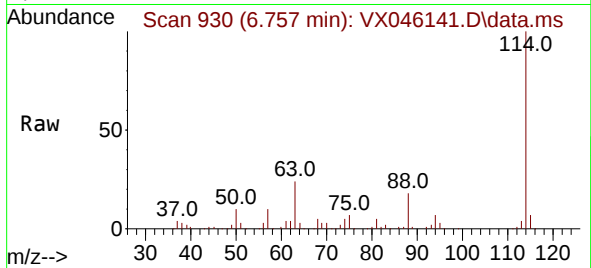




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX046141.D
 Acq: 12 May 2025 16:19

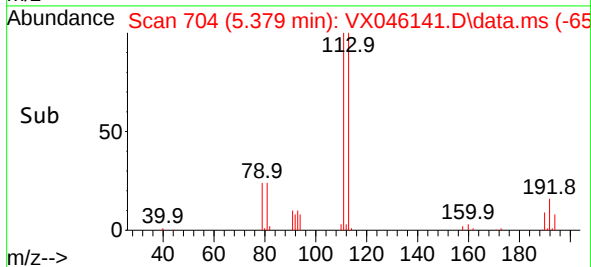
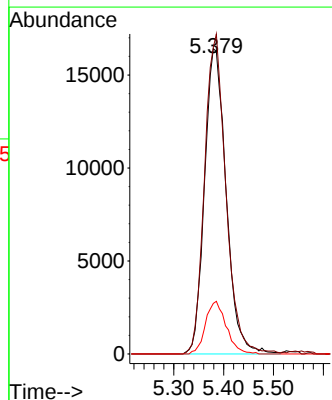
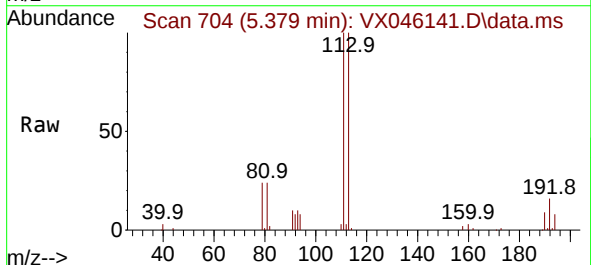
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-9

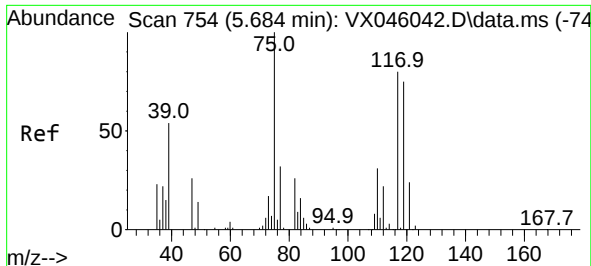
Tgt Ion:114 Resp: 131886
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 17.9 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 52.134 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX046141.D
 Acq: 12 May 2025 16:19

Tgt Ion:113 Resp: 49513
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.1 124.7
 192 16.6 13.3 19.9

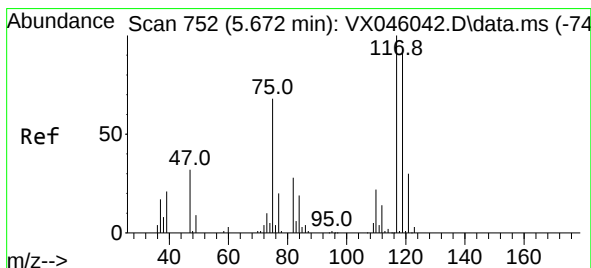
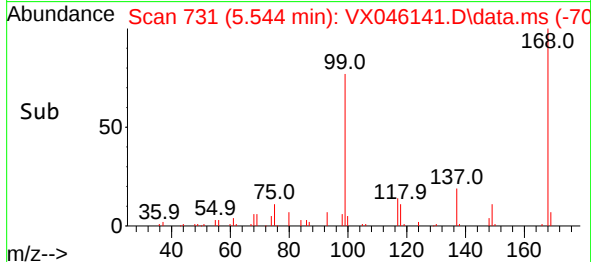
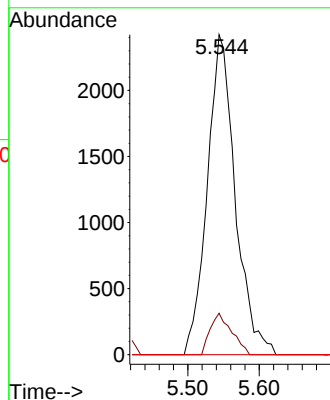
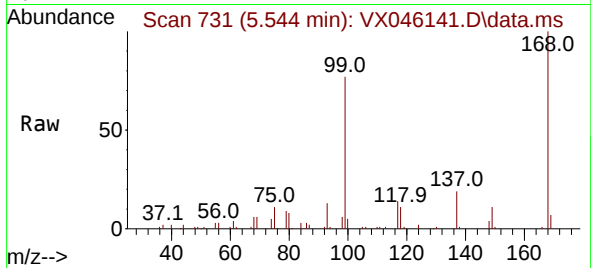




#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

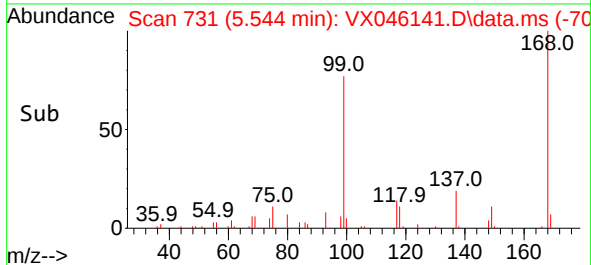
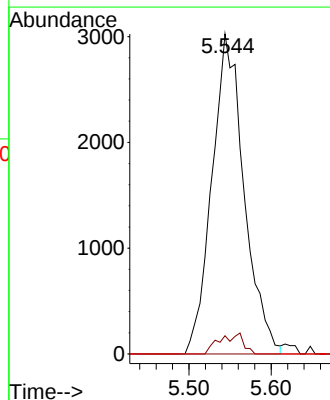
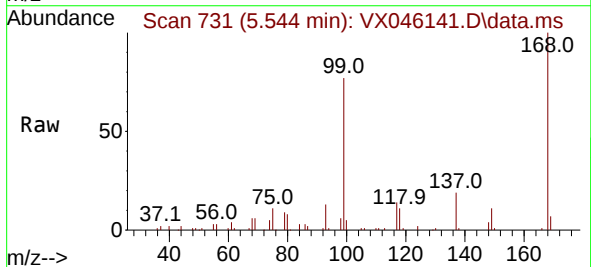
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

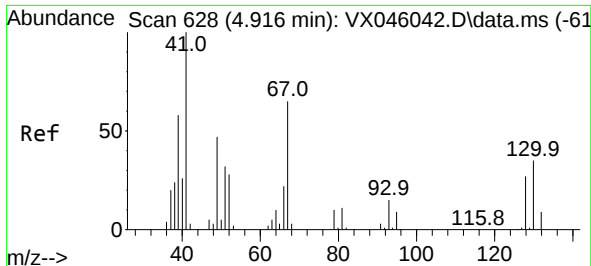
Tgt Ion: 75 Resp: 6578
Ion Ratio Lower Upper
75 100
110 9.9 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.736 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 117 Resp: 8224
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.2 36.4#

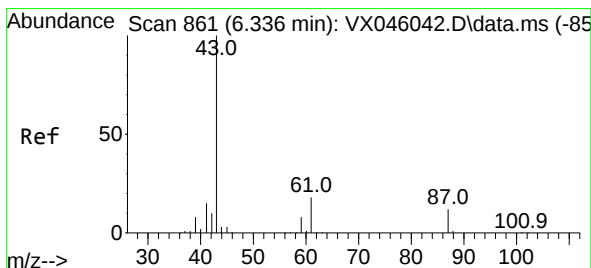
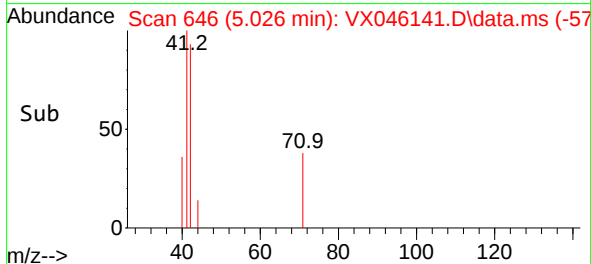
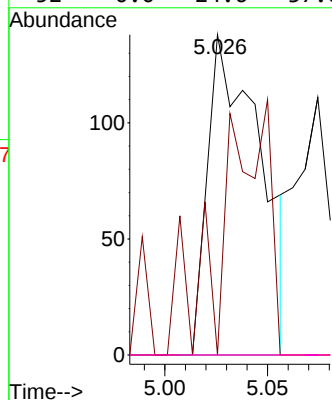
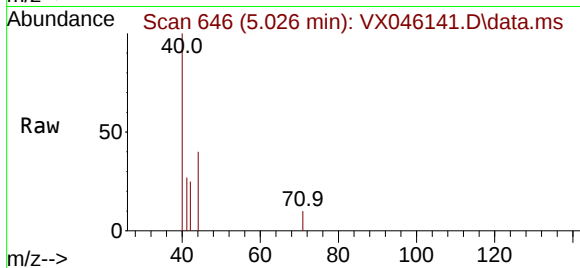




#41
Methacrylonitrile
Concen: 0.297 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

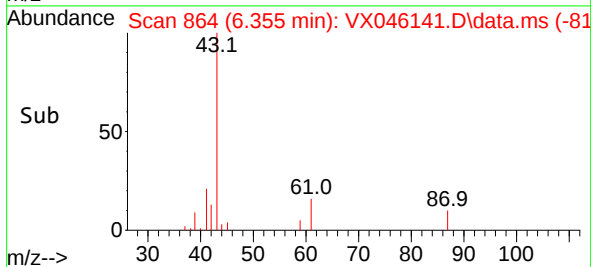
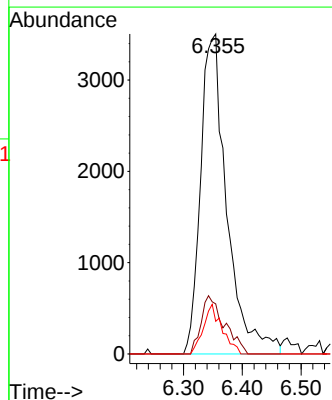
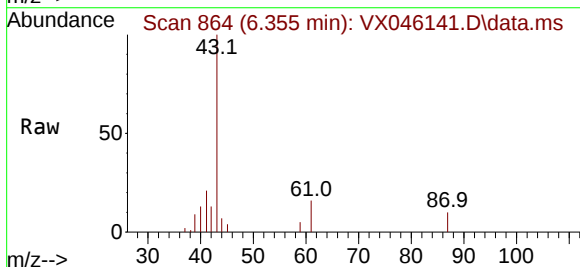
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

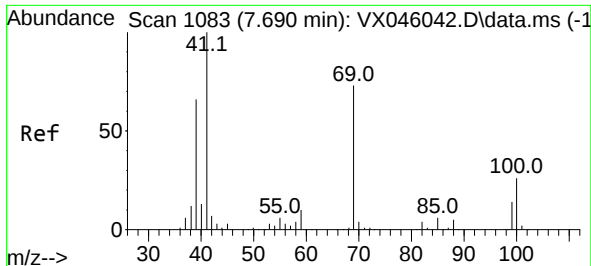
Tgt Ion:	41	Resp:	245
Ion	Ratio	Lower	Upper
41	100		
39	9.0	47.2	70.8#
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#



#43
Isopropyl Acetate
Concen: 4.519 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion:	43	Resp:	10868
Ion	Ratio	Lower	Upper
43	100		
61	16.1	14.3	21.5
87	11.0	9.5	14.3

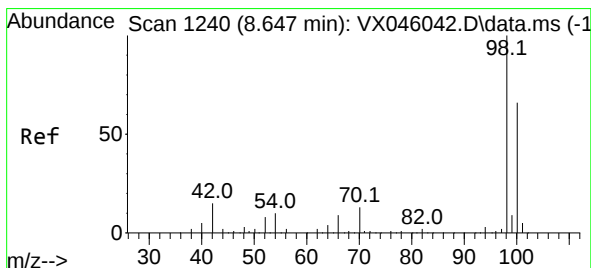
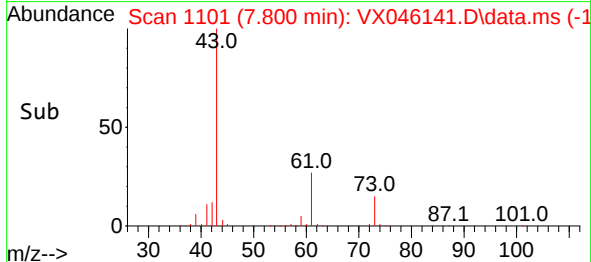
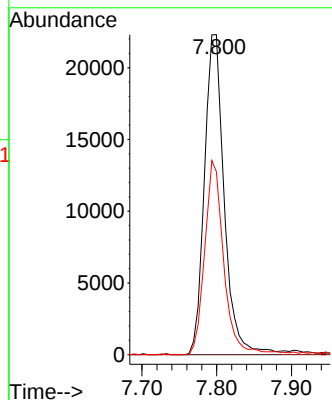
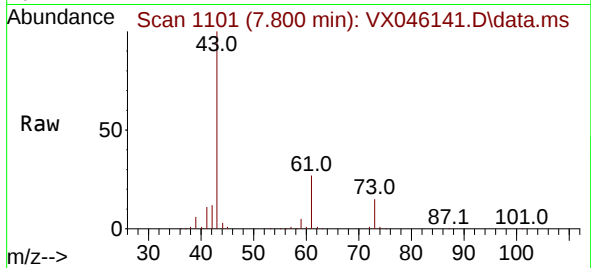




#48
Methyl methacrylate
Concen: 33.440 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

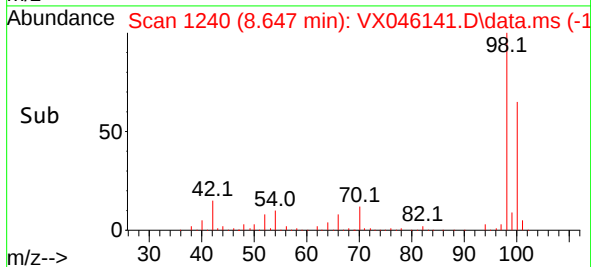
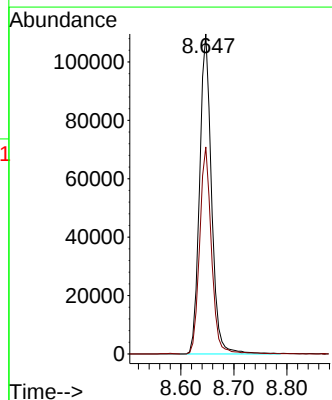
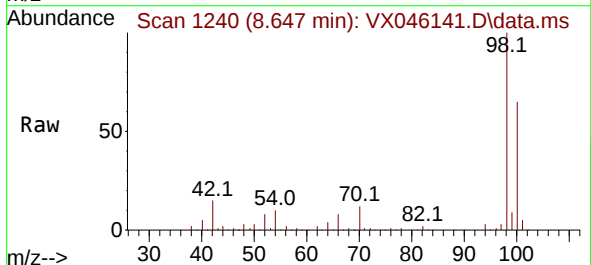
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

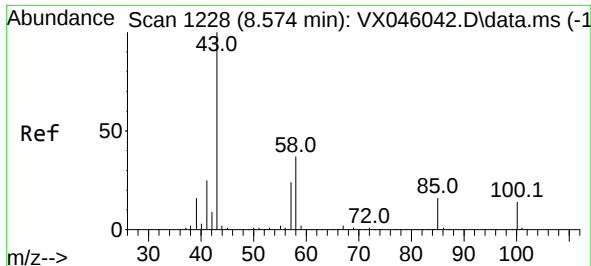
Tgt Ion: 41 Resp: 41075
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.5 51.7 77.5



#50
Toluene-d8
Concen: 52.089 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 98 Resp: 171223
Ion Ratio Lower Upper
98 100
100 64.3 53.5 80.3

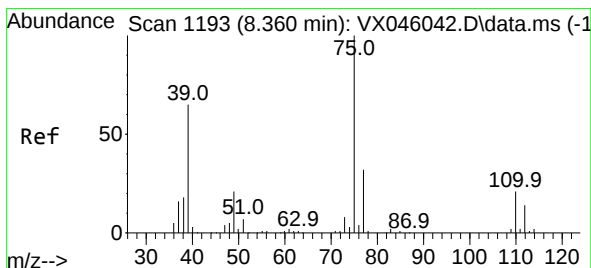
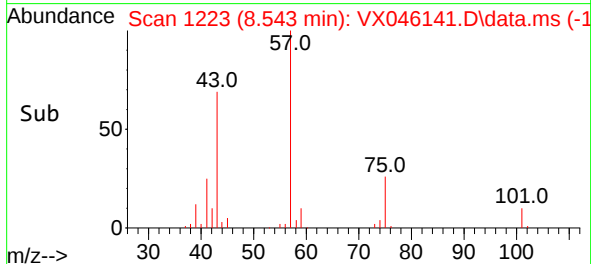
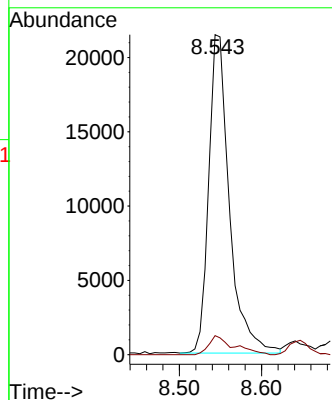
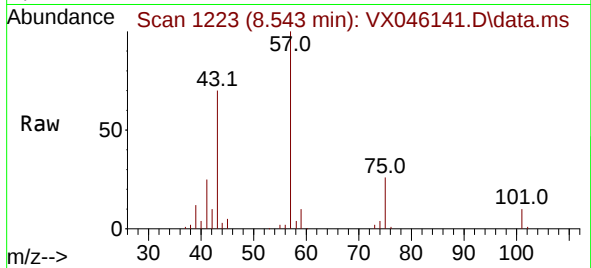




#51
4-Methyl-2-Pentanone
Concen: 23.465 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

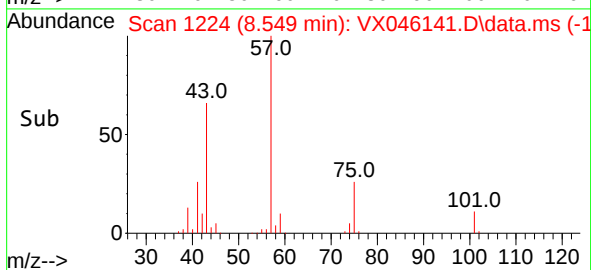
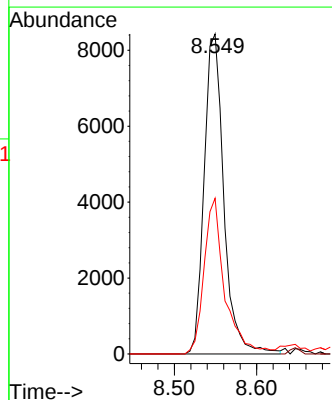
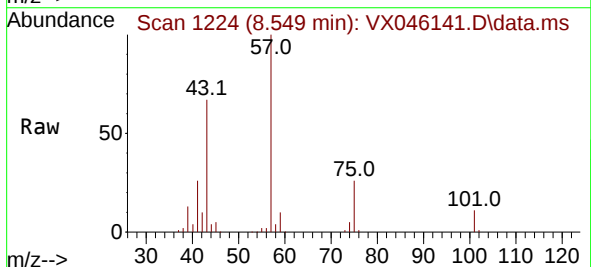
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

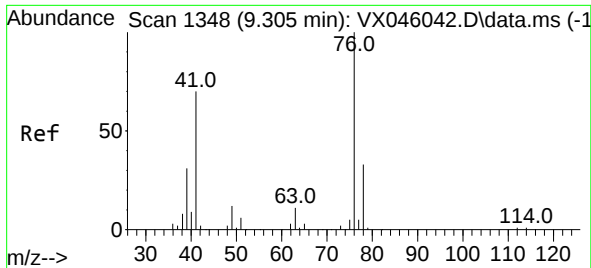
Tgt Ion: 43 Resp: 37462
Ion Ratio Lower Upper
43 100
58 7.2 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 9.882 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 75 Resp: 14016
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 48.6 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.831 ug/l

RT: 9.488 min Scan# 1348

Delta R.T. 0.183 min

Lab File: VX046141.D

Acq: 12 May 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

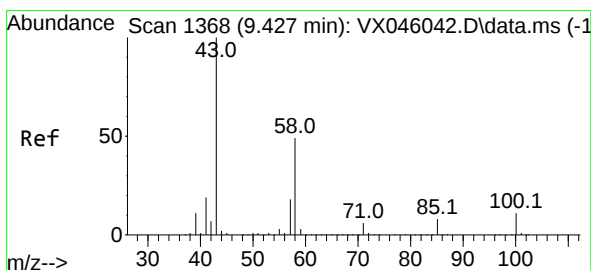
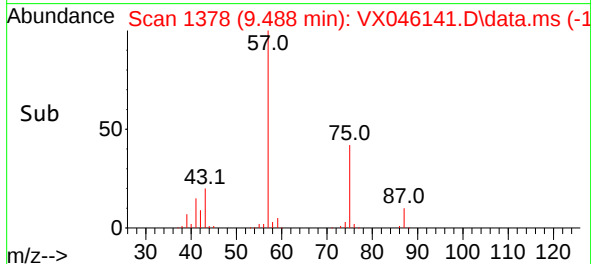
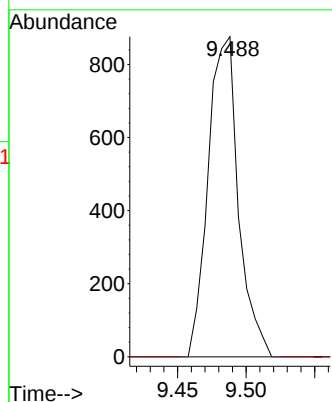
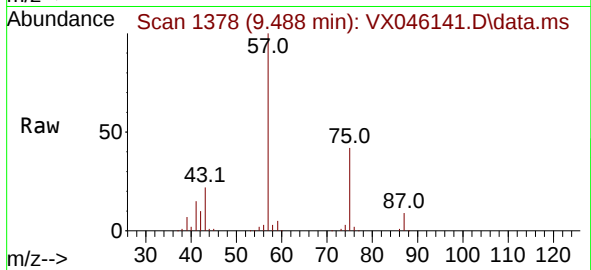
COMP-9

Tgt Ion: 76 Resp: 1348

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 18.125 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX046141.D

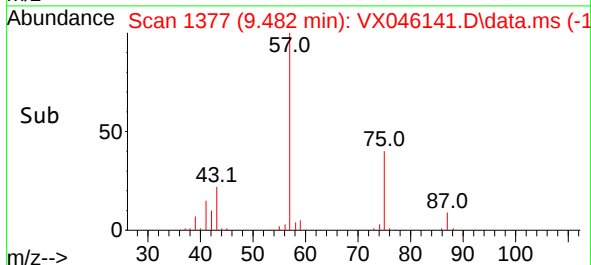
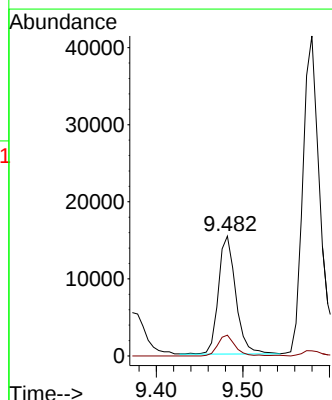
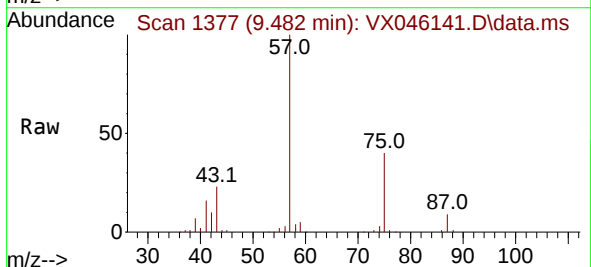
Acq: 12 May 2025 16:19

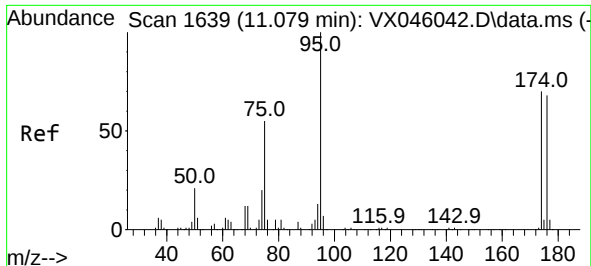
Tgt Ion: 43 Resp: 21408

Ion Ratio Lower Upper

43 100

58 17.7 24.9 74.6#

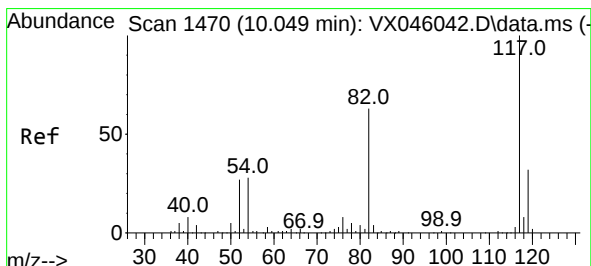
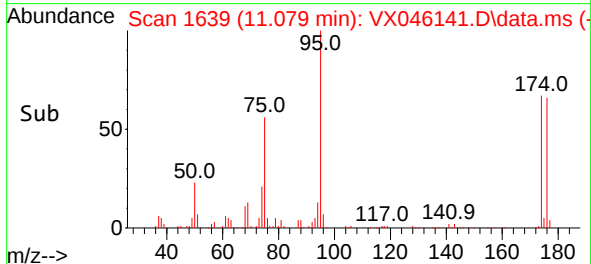
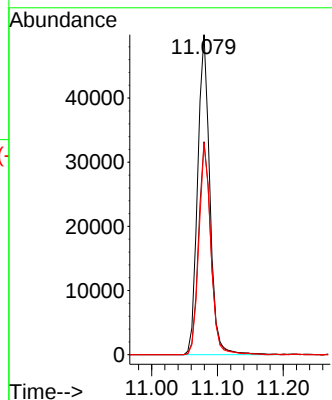
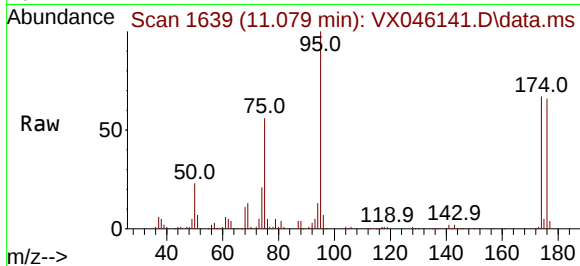




#62
4-Bromofluorobenzene
Concen: 50.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

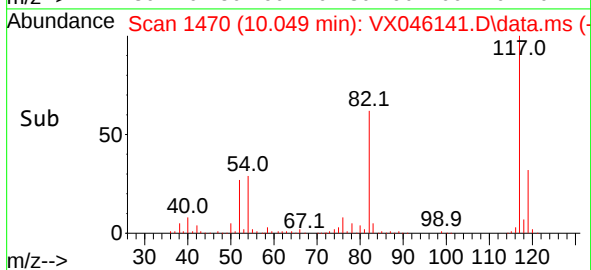
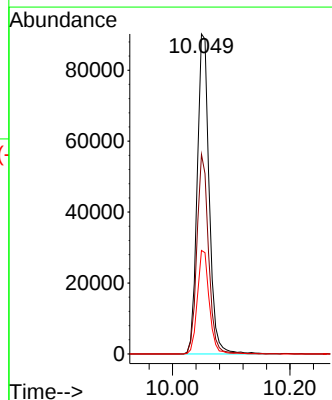
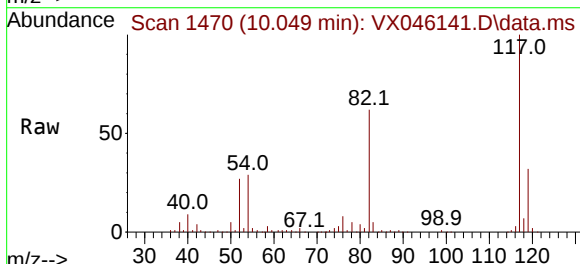
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

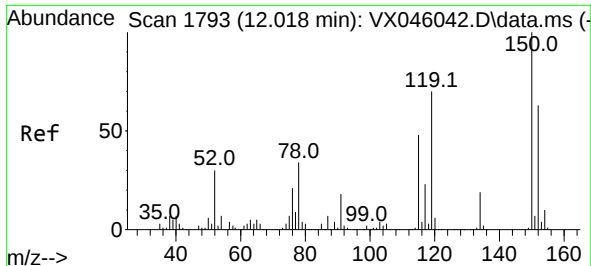
Tgt Ion: 95 Resp: 63745
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.8
176 64.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 117 Resp: 127831
Ion Ratio Lower Upper
117 100
82 62.4 50.6 76.0
119 32.3 25.8 38.6

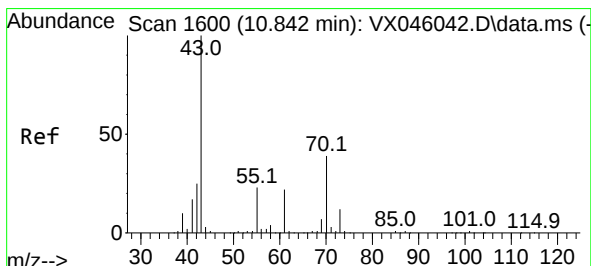
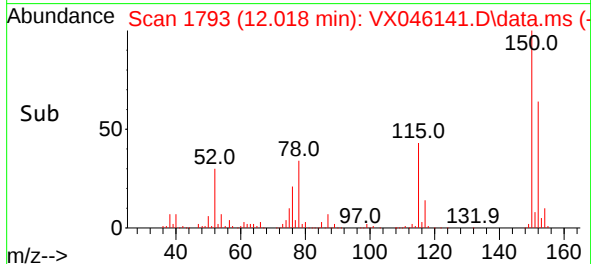
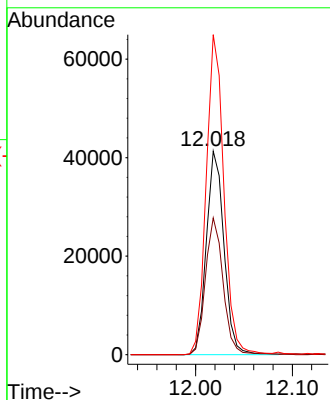
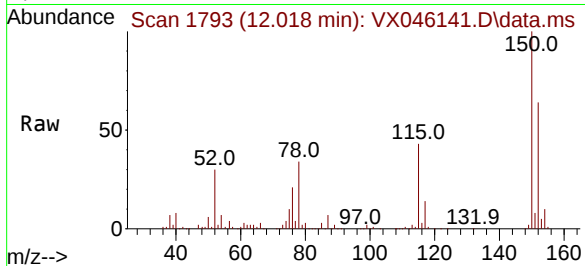




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

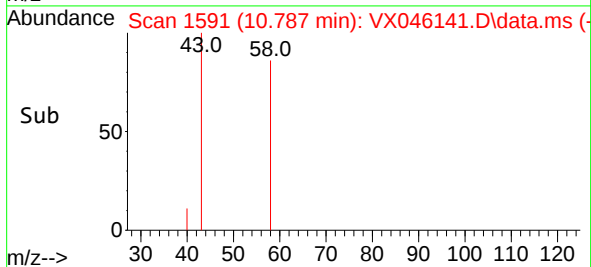
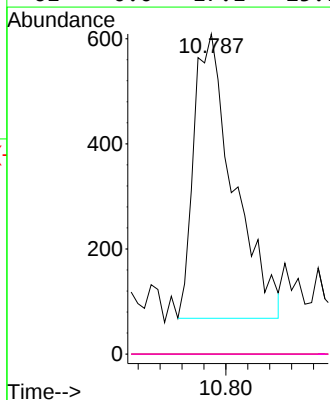
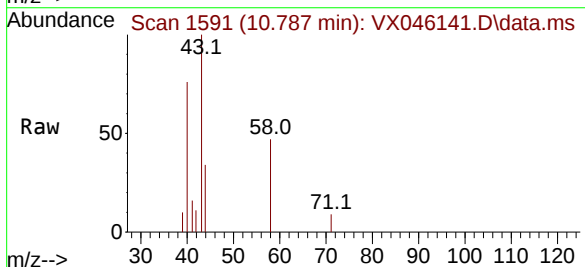
Instrument :
MSVOA_X
ClientSampleId :
COMP-9

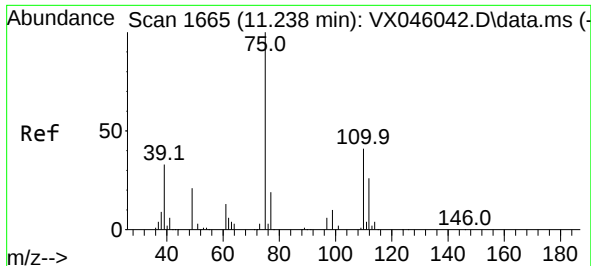
Tgt Ion:152 Resp: 52635
Ion Ratio Lower Upper
152 100
115 67.2 46.9 140.7
150 156.5 0.0 351.0



#74
N-ethyl acetate
Concen: 0.673 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 0.0 18.7 28.1#
61 0.0 17.1 25.7#

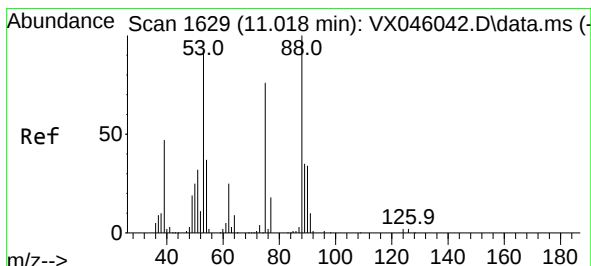
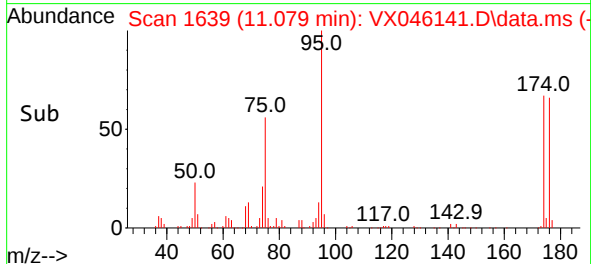
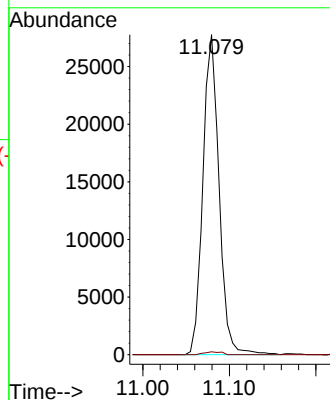
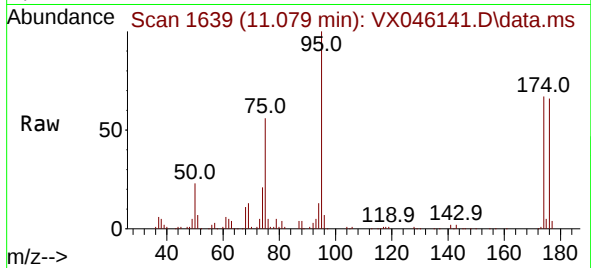




#76
1,2,3-Trichloropropane
Concen: 28.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :
COMP-9

Tgt Ion: 75 Resp: 35984
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.468 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046141.D
Acq: 12 May 2025 16:19

Tgt Ion: 75 Resp: 35984
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#

