

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046223.D
 Acq On : 15 May 2025 18:51
 Operator : JC/MD
 Sample : Q2034-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 L3-WC-3

Quant Time: May 16 01:10:18 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)

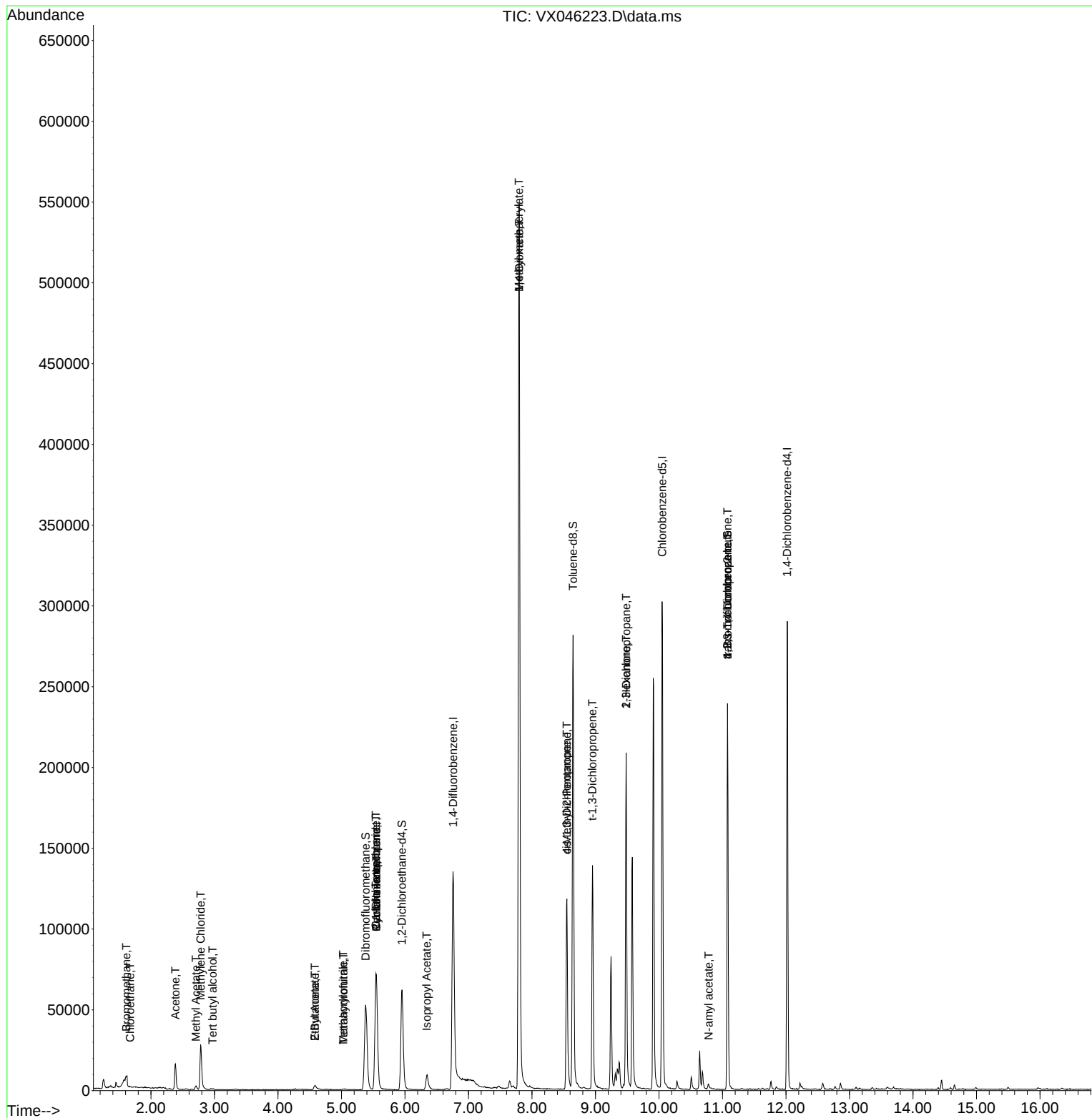
Internal Standards						
1) Pentafluorobenzene	5.550	168	61870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63329	54.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.800%	
35) Dibromofluoromethane	5.379	113	46298	51.274	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	8.647	98	160472	51.347	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.700%	
62) 4-Bromofluorobenzene	11.079	95	62276	51.949	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	98	0.247	ug/l #	4
6) Chloroethane	1.673	64	258	0.565	ug/l #	44
11) Tert butyl alcohol	2.971	59	732	4.521	ug/l #	72
16) Acetone	2.386	43	17893	38.689	ug/l	99
18) Methyl Acetate	2.709	43	3486	3.248	ug/l	97
20) Methylene Chloride	2.782	84	12690	14.319	ug/l	99
25) 2-Butanone	4.581	43	6233	9.283	ug/l	96
29) Tetrahydrofuran	5.032	42	364	0.865	ug/l #	44
31) Cyclohexane	5.550	56	1748	1.272	ug/l #	16
36) 1,1-Dichloropropene	5.544	75	6105	5.032	ug/l #	51
37) Ethyl Acetate	4.581	43	6233	4.158	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7409	5.435	ug/l #	18
41) Methacrylonitrile	5.026	41	175	0.223	ug/l #	42
43) Isopropyl Acetate	6.342	43	14259	6.236	ug/l	96
48) Methyl methacrylate	7.793	41	54860	46.976	ug/l #	49
49) 1,4-Dioxane	7.799	88	88	3.969	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45745	30.138	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	272	0.223	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	17687	13.116	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1648	1.068	ug/l #	42
59) 2-Hexanone	9.482	43	30141	26.840	ug/l #	58
74) N-amyl acetate	10.781	43	2678	1.325	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	36000	28.467	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36000	92.678	ug/l #	1

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

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Response via : Initial Calibration

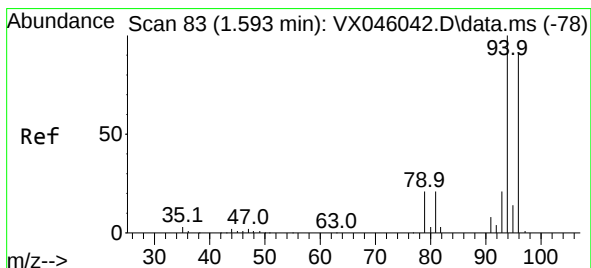
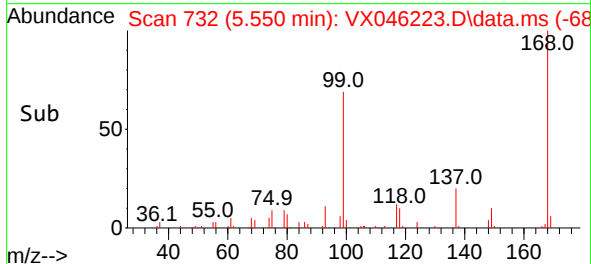
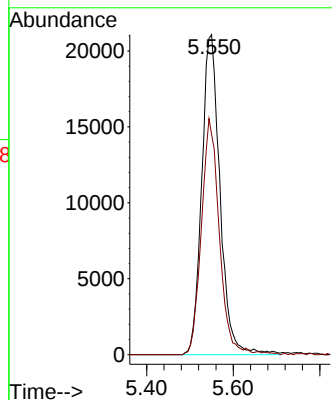
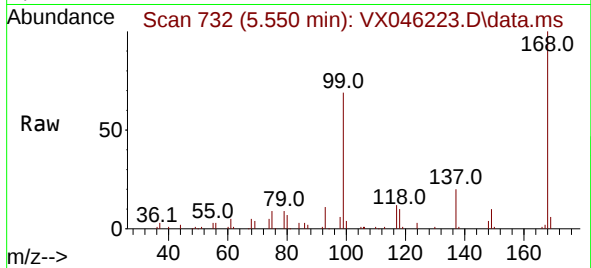




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

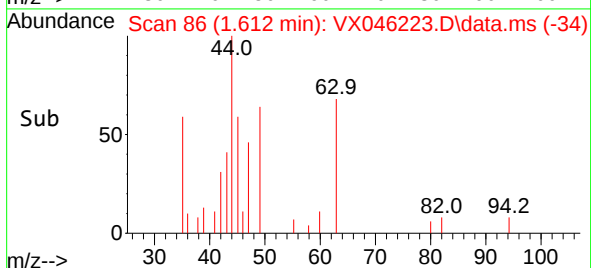
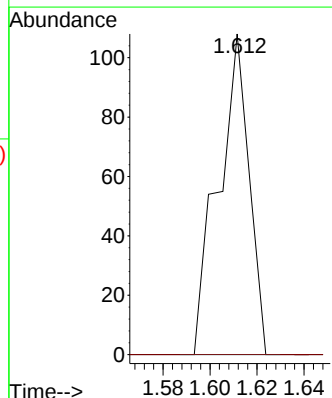
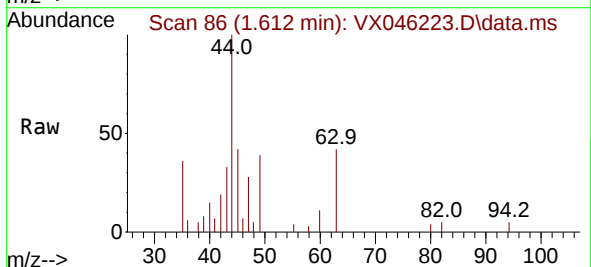
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

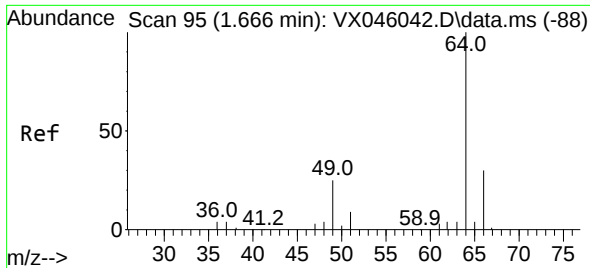
Tgt Ion:168 Resp: 61870
Ion Ratio Lower Upper
168 100
99 68.9 54.9 82.3



#5
Bromomethane
Concen: 0.247 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

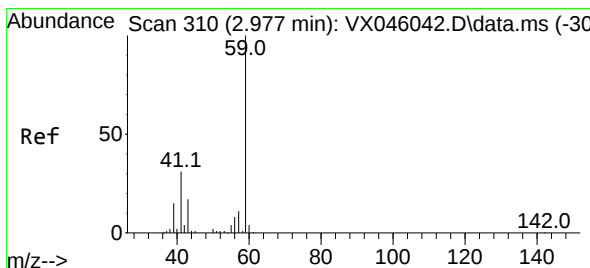
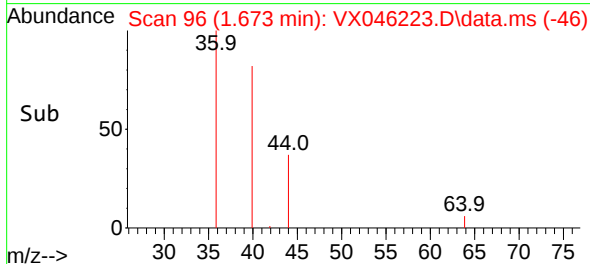
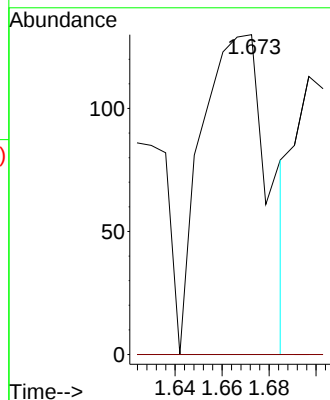
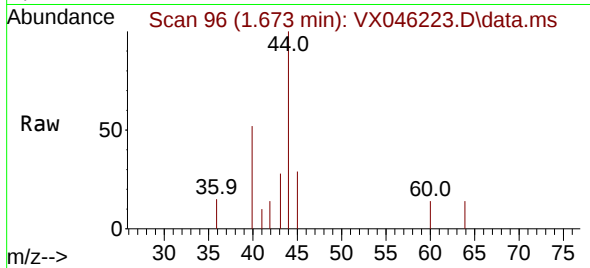




#6
Chloroethane
Concen: 0.565 ug/l
RT: 1.673 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

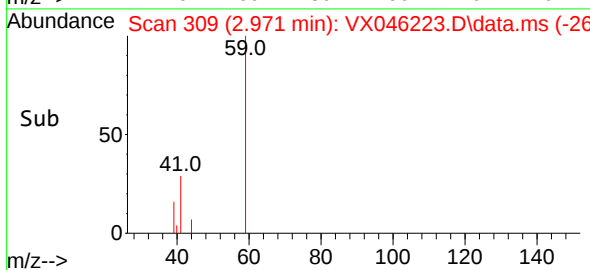
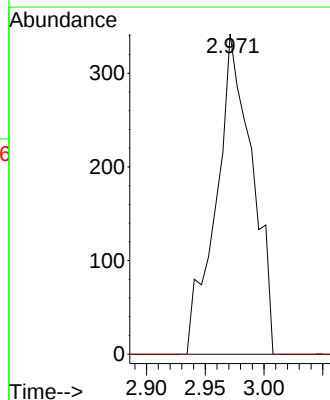
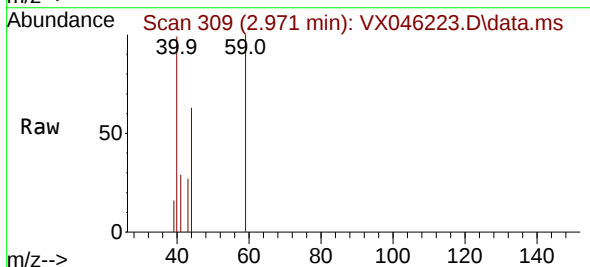
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

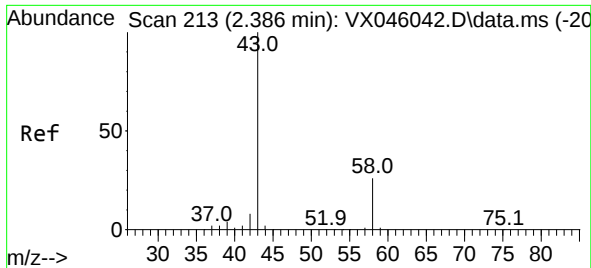
Tgt Ion: 64 Resp: 258
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 4.521 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 59 Resp: 732
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

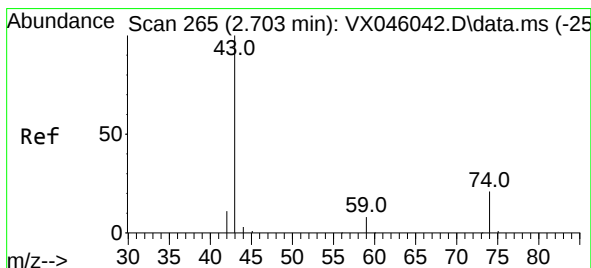
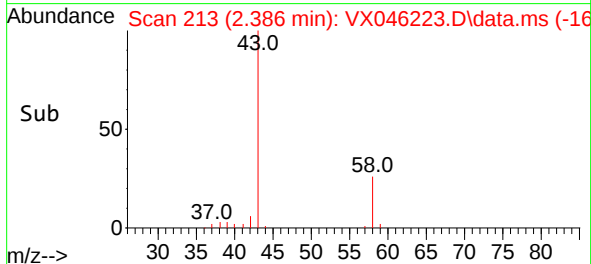
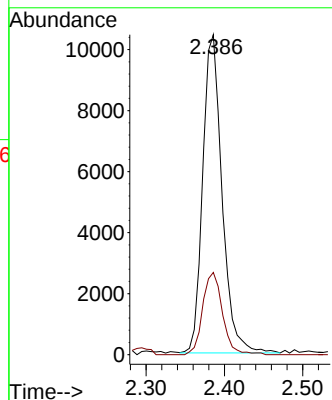
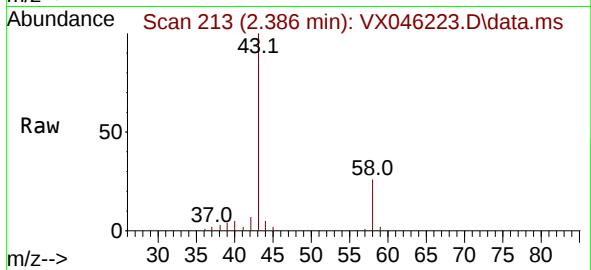




#16
Acetone
Concen: 38.689 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

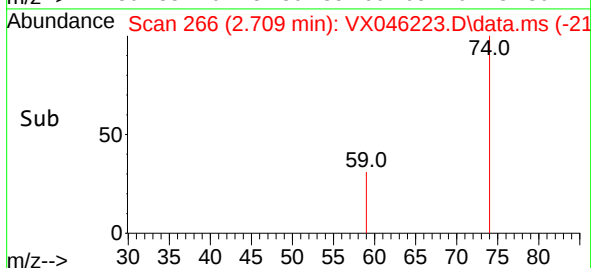
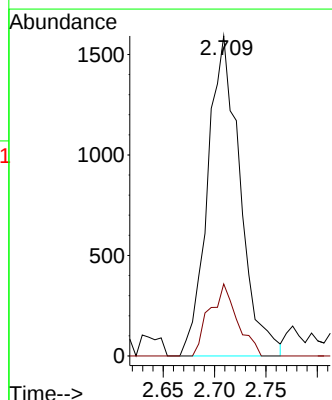
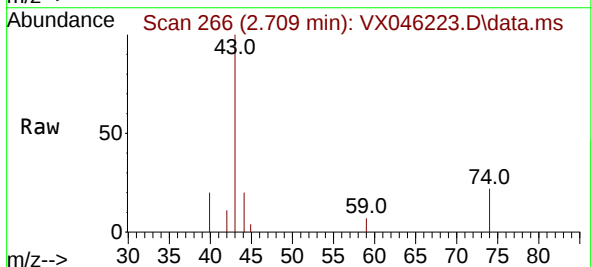
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

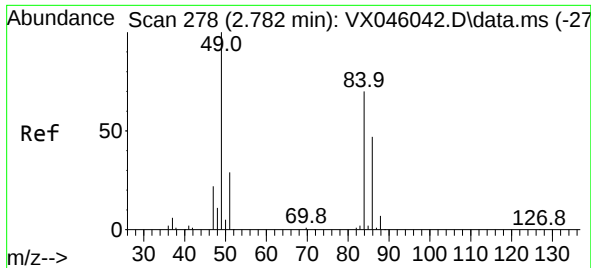
Tgt Ion: 43 Resp: 17893
Ion Ratio Lower Upper
43 100
58 25.8 21.2 31.8



#18
Methyl Acetate
Concen: 3.248 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
74 19.3 16.7 25.1

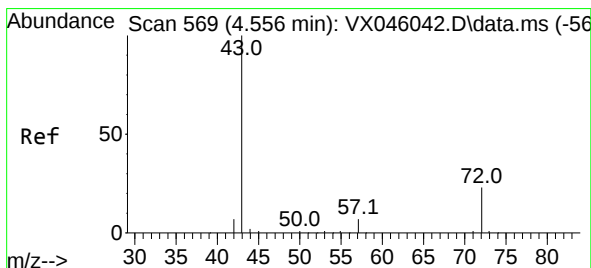
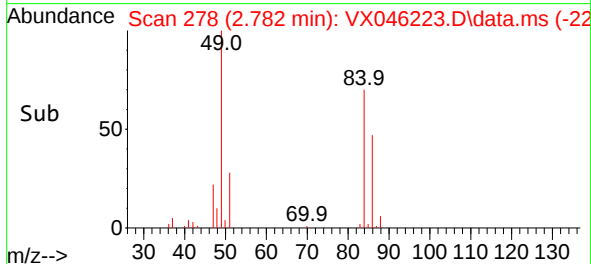
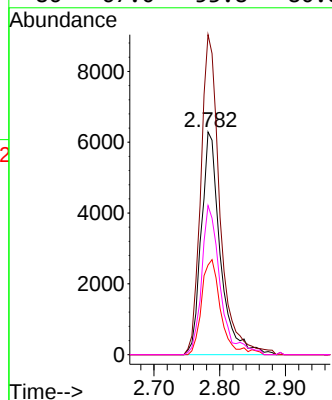
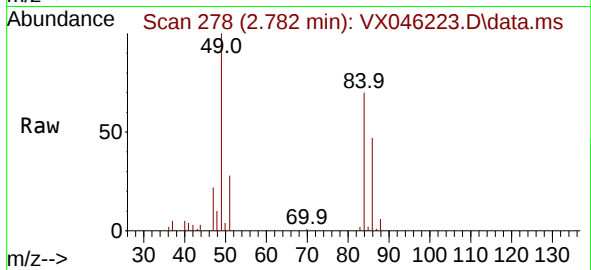




#20
Methylene Chloride
Concen: 14.319 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

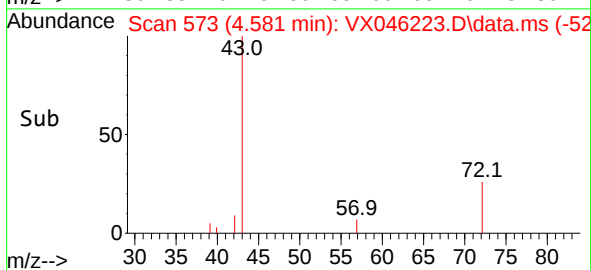
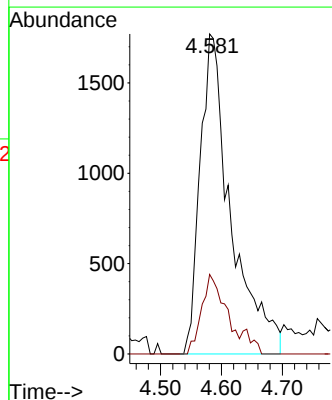
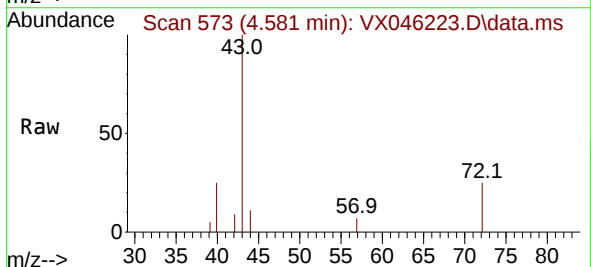
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

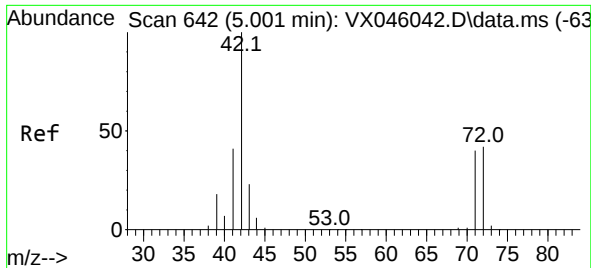
Tgt Ion:	84	Resp:	12690
Ion	Ratio	Lower	Upper
84	100		
49	143.7	113.9	170.9
51	40.3	33.5	50.3
86	67.0	53.8	80.8



#25
2-Butanone
Concen: 9.283 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion:	43	Resp:	6233
Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.4	27.6

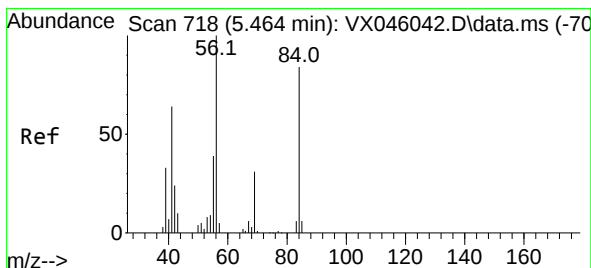
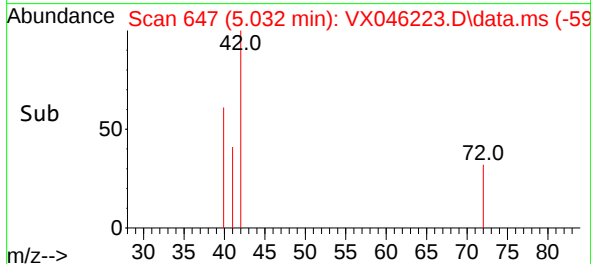
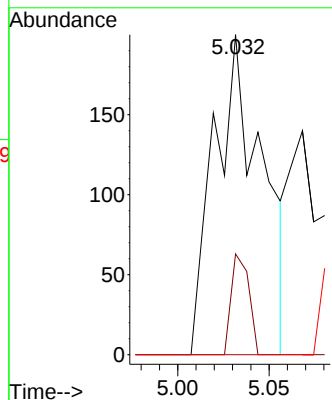
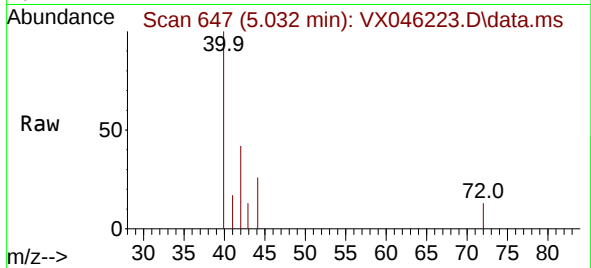




#29
Tetrahydrofuran
Concen: 0.865 ug/l
RT: 5.032 min Scan# 642
Delta R.T. 0.031 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

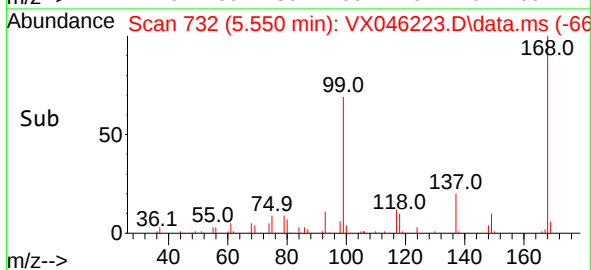
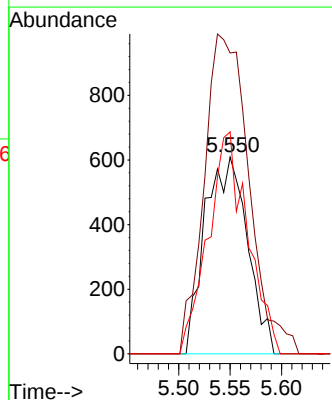
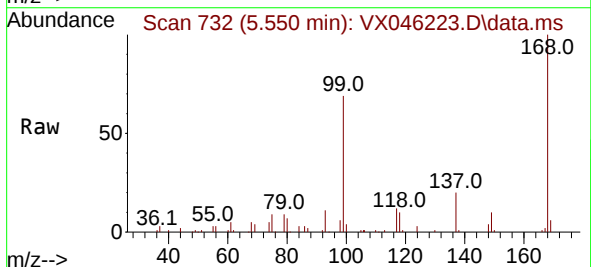
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

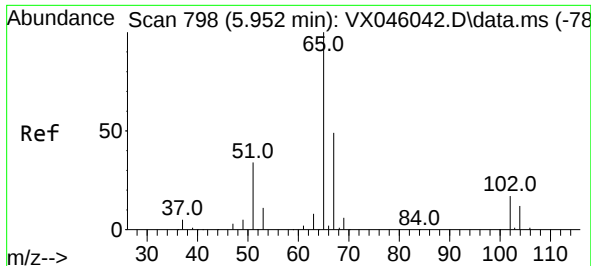
Tgt Ion: 42 Resp: 364
Ion Ratio Lower Upper
42 100
72 11.5 33.7 50.5#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.272 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 56 Resp: 1748
Ion Ratio Lower Upper
56 100
69 152.9 24.4 36.6#
84 112.8 66.9 100.3#

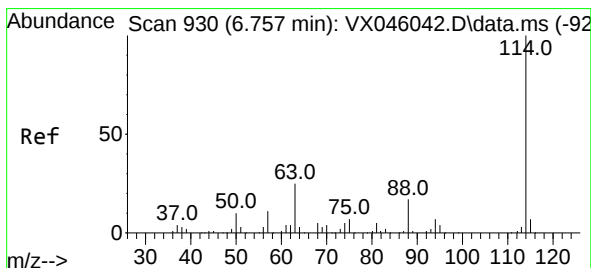
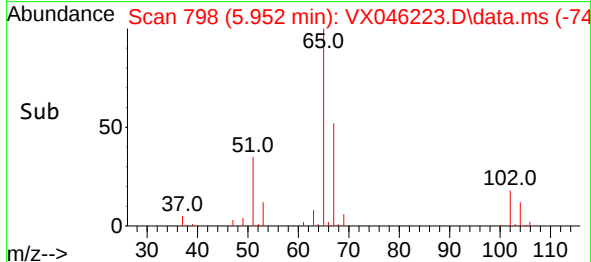
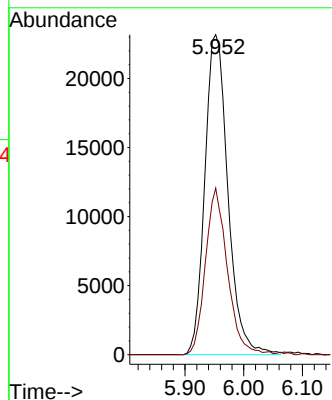
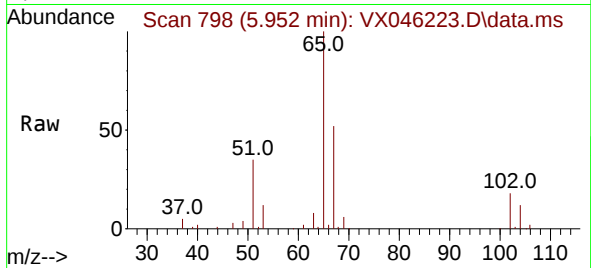




#33
 1,2-Dichloroethane-d4
 Concen: 54.904 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046223.D
 Acq: 15 May 2025 18:51

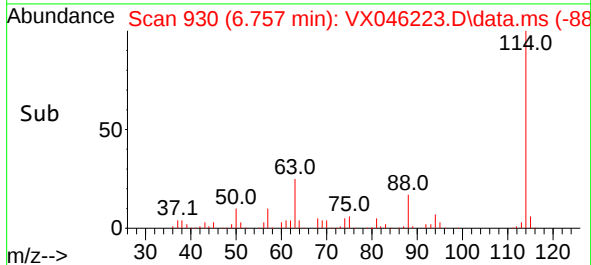
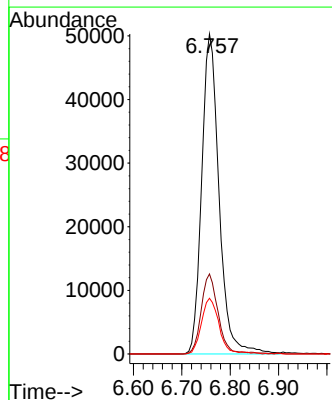
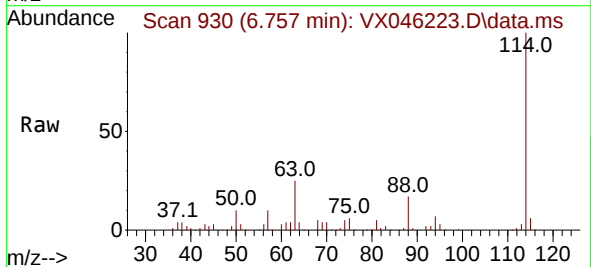
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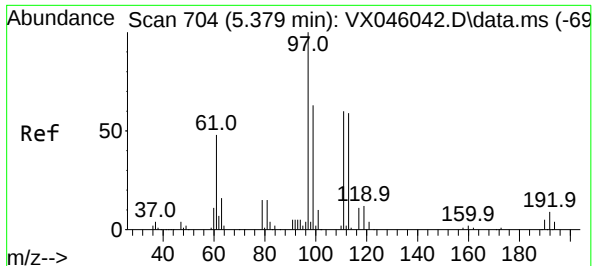
Tgt Ion: 65 Resp: 63329
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046223.D
 Acq: 15 May 2025 18:51

Tgt Ion: 114 Resp: 125392
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.4 0.0 33.6

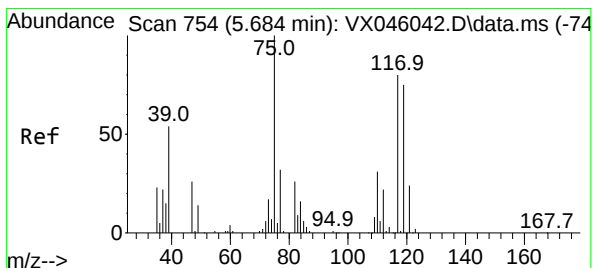
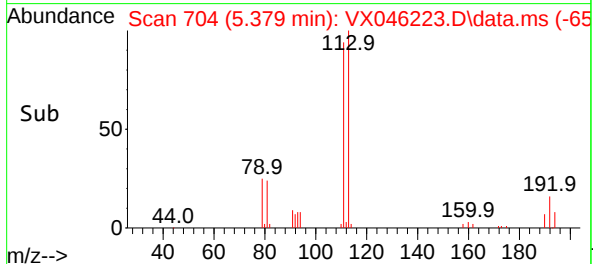
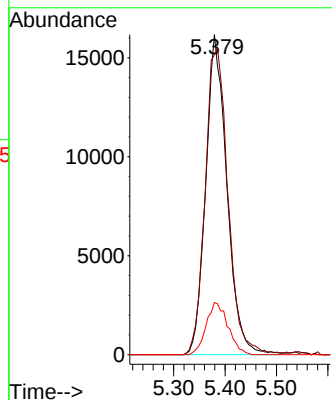
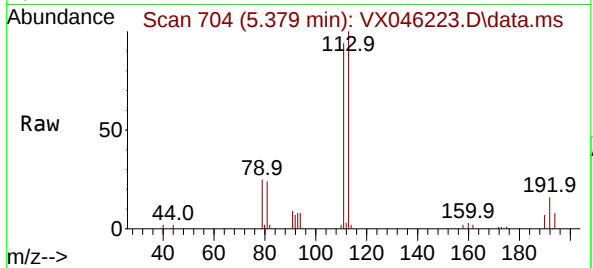




#35
Dibromofluoromethane
Concen: 51.274 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

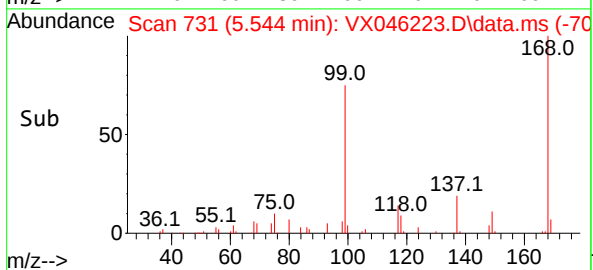
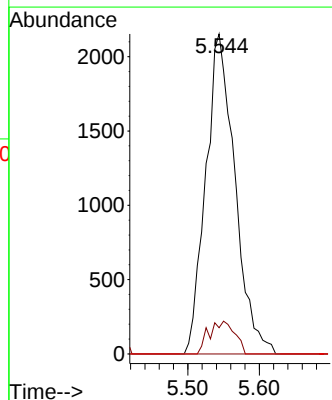
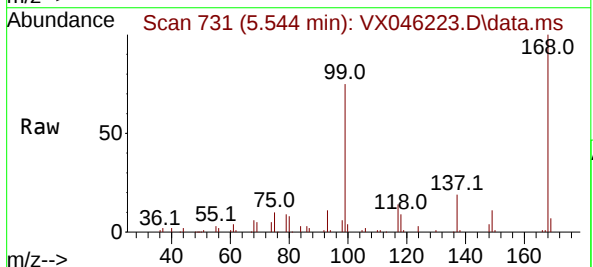
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

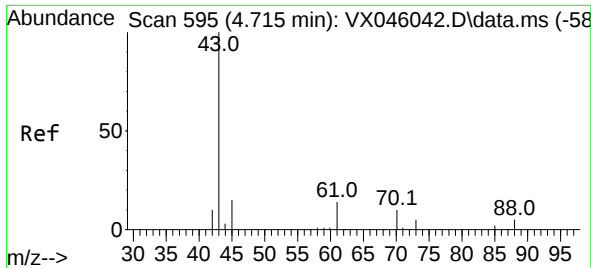
Tgt Ion:113 Resp: 46298
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.032 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 75 Resp: 6105
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 4.158 ug/l

RT: 4.581 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX046223.D

Acq: 15 May 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

L3-WC-3

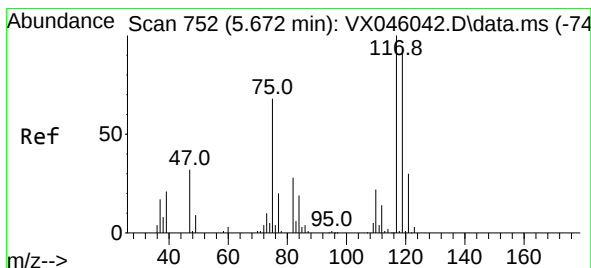
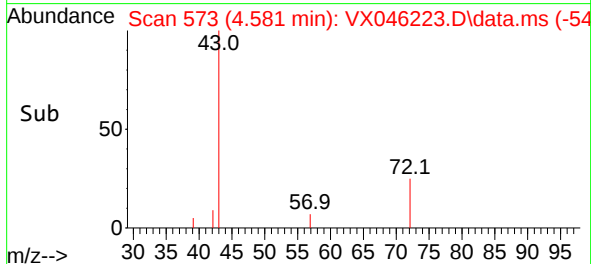
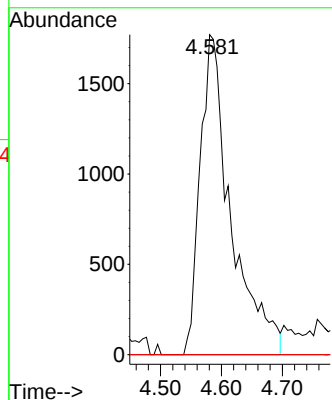
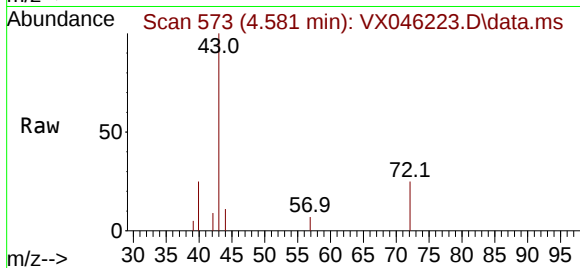
Tgt Ion: 43 Resp: 6233

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046223.D

Acq: 15 May 2025 18:51

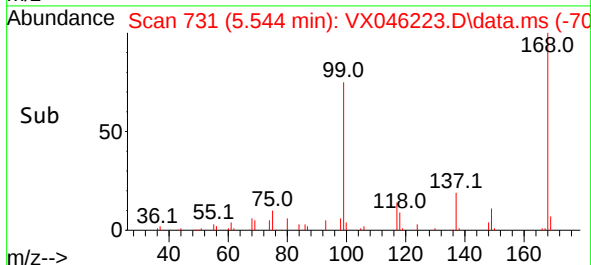
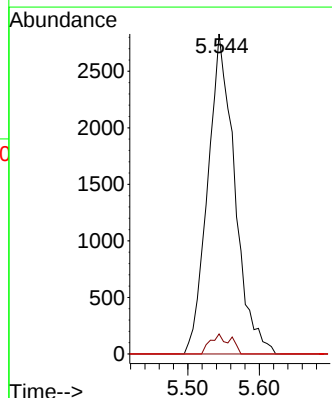
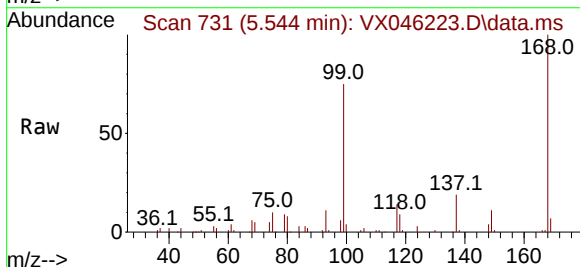
Tgt Ion: 117 Resp: 7409

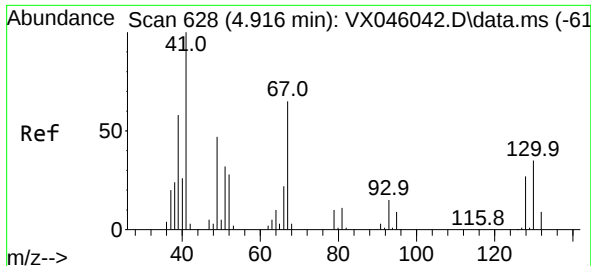
Ion Ratio Lower Upper

117 100

119 6.3 75.2 112.8#

121 0.0 24.2 36.4#



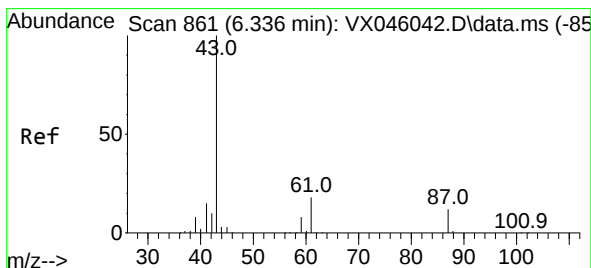
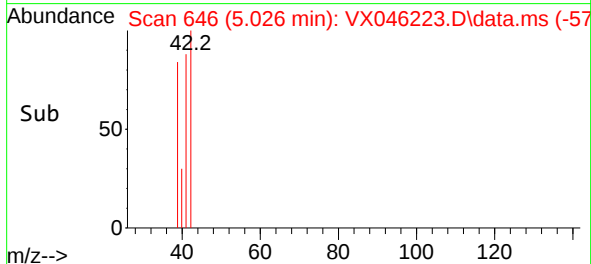
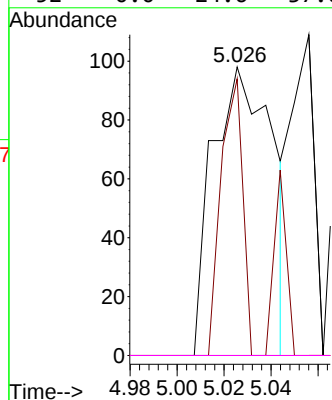
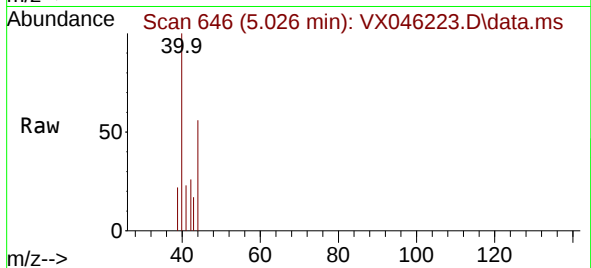


#41
Methacrylonitrile
Concen: 0.223 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

Tgt Ion: 41 Resp: 175

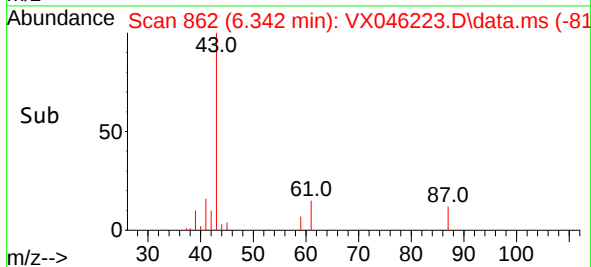
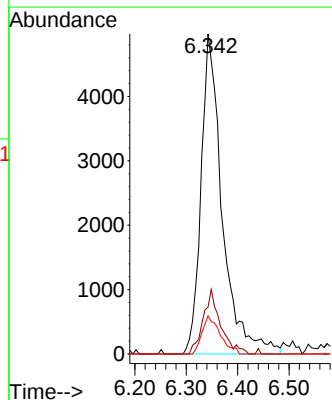
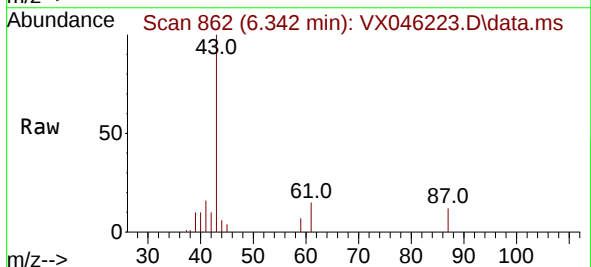
Ion	Ratio	Lower	Upper
41	100		
39	34.3	47.2	70.8#
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#

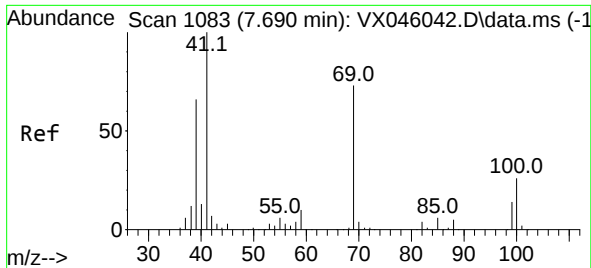


#43
Isopropyl Acetate
Concen: 6.236 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 43 Resp: 14259

Ion	Ratio	Lower	Upper
43	100		
61	16.5	14.3	21.5
87	10.1	9.5	14.3

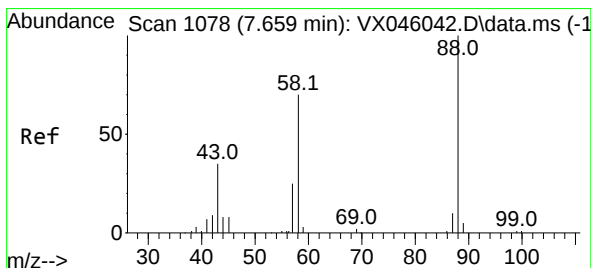
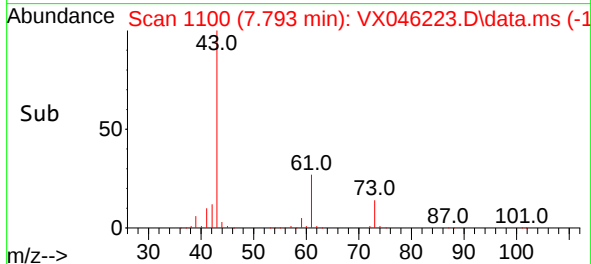
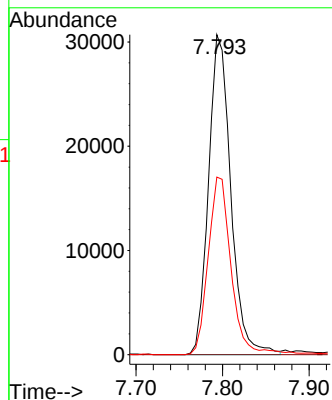
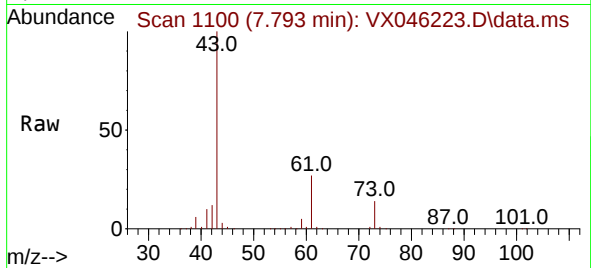




#48
Methyl methacrylate
Concen: 46.976 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

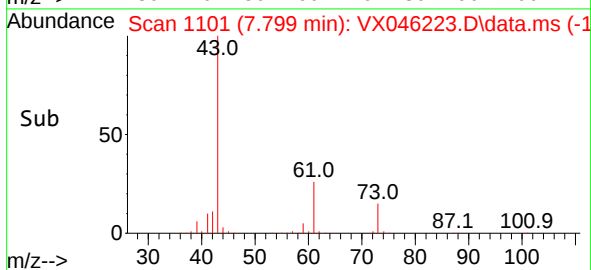
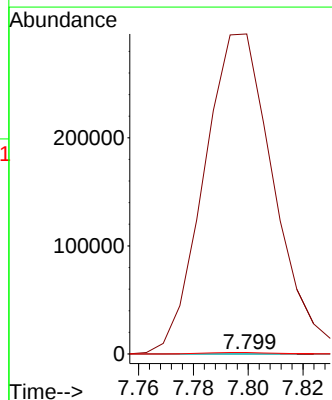
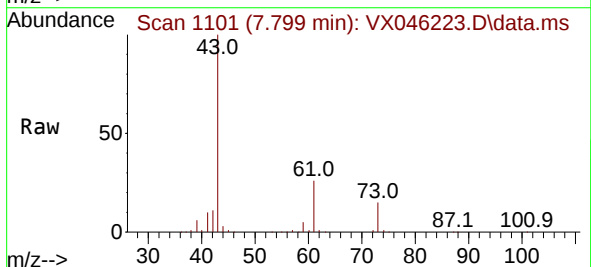
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

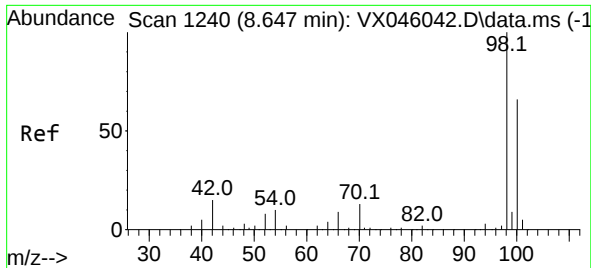
Tgt Ion: 41 Resp: 54860
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.2 51.7 77.5



#49
1,4-Dioxane
Concen: 3.969 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 613592.0 33.4 50.2#
58 2886.4 58.6 88.0#

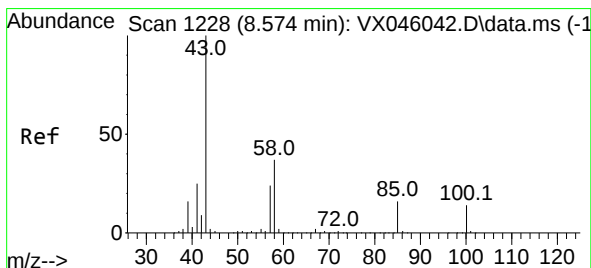
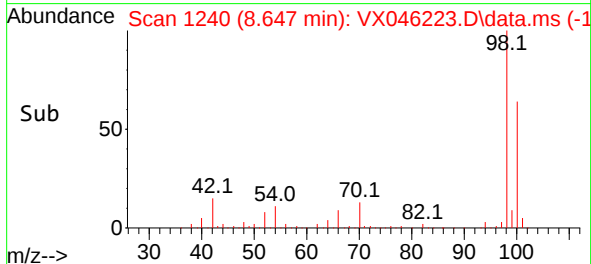
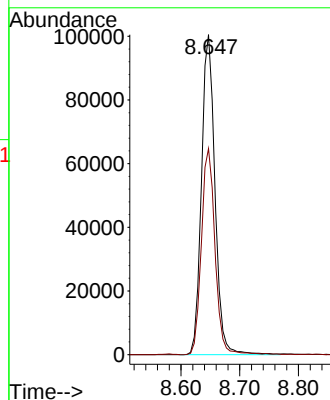
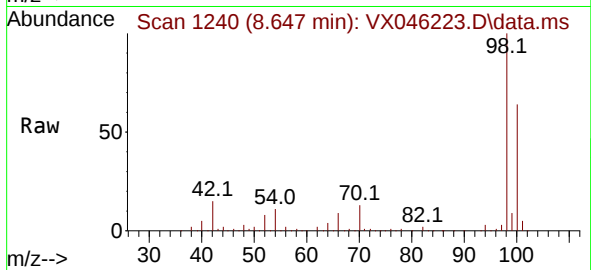




#50
Toluene-d8
Concen: 51.347 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

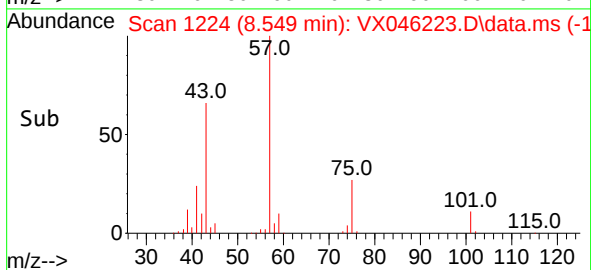
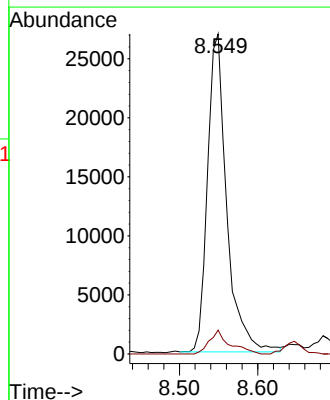
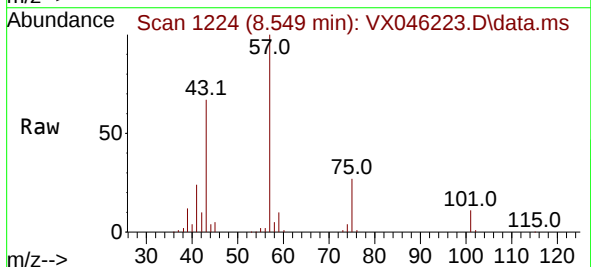
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

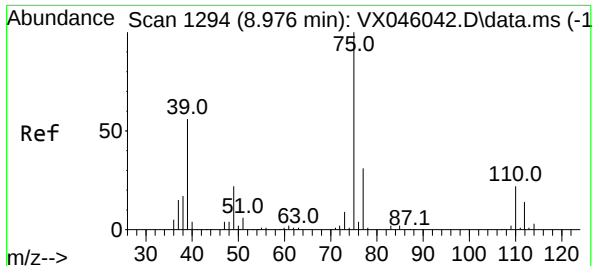
Tgt Ion: 98 Resp: 160472
Ion Ratio Lower Upper
98 100
100 65.0 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 30.138 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 43 Resp: 45745
Ion Ratio Lower Upper
43 100
58 7.9 28.9 43.3#





#53

t-1,3-Dichloropropene

Concen: 0.223 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX046223.D

Acq: 15 May 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

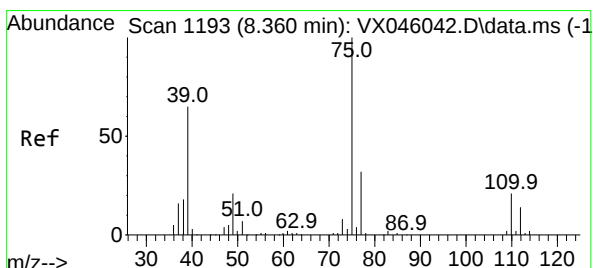
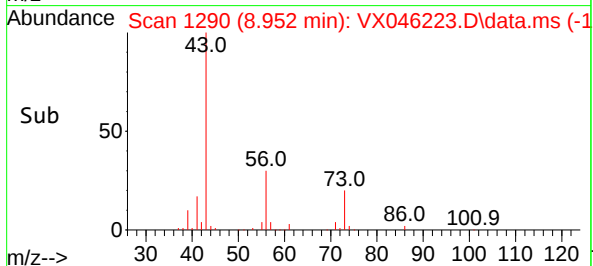
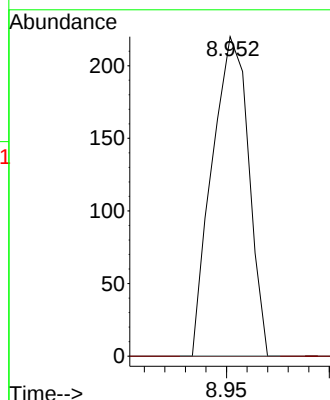
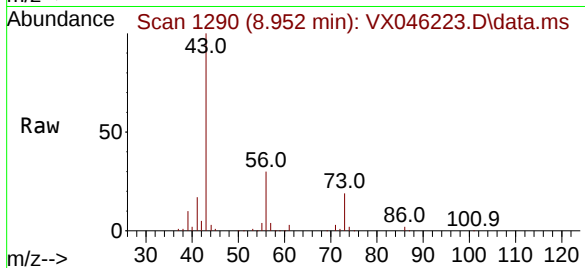
L3-WC-3

Tgt Ion: 75 Resp: 272

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#



#54

cis-1,3-Dichloropropene

Concen: 13.116 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX046223.D

Acq: 15 May 2025 18:51

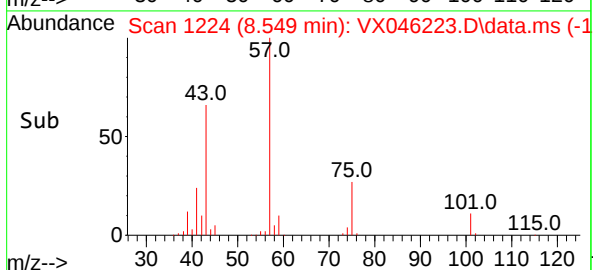
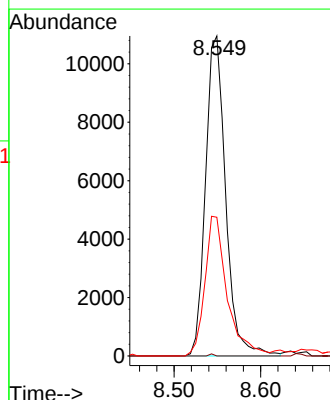
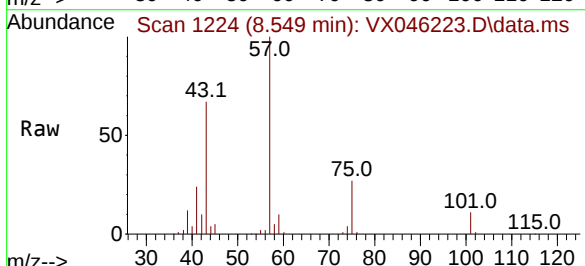
Tgt Ion: 75 Resp: 17687

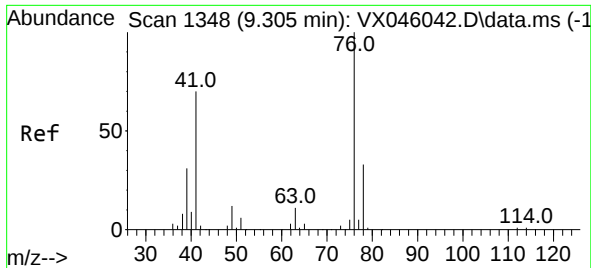
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 43.4 52.2 78.4#

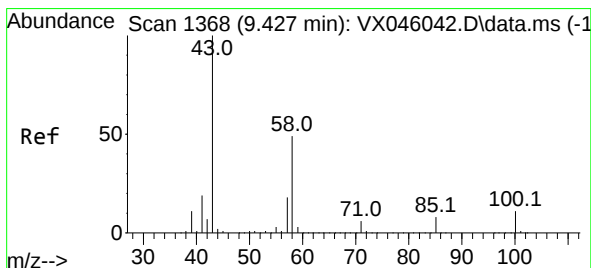
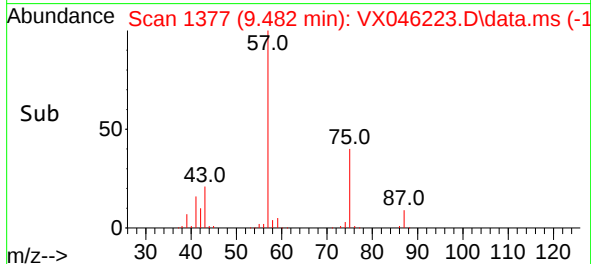
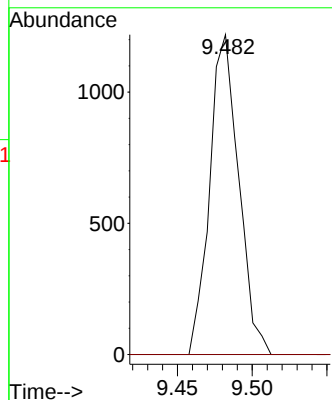
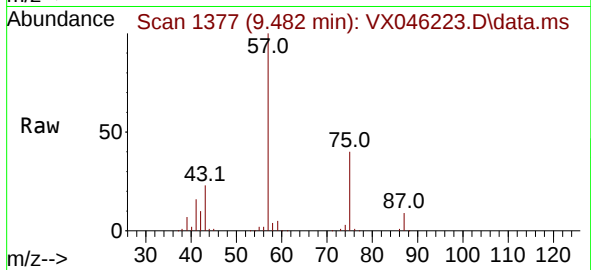




#57
1,3-Dichloropropane
Concen: 1.068 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

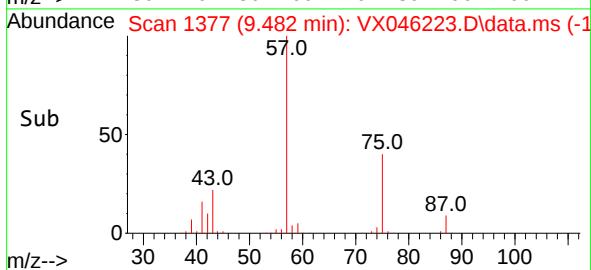
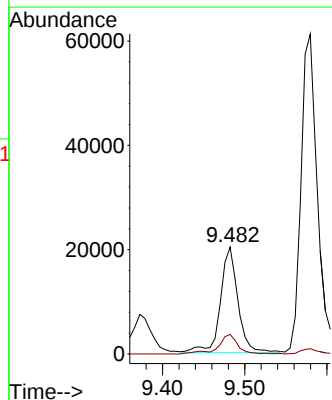
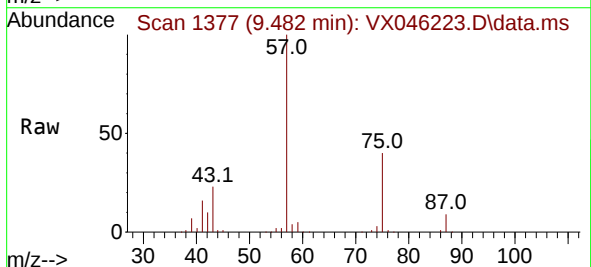
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

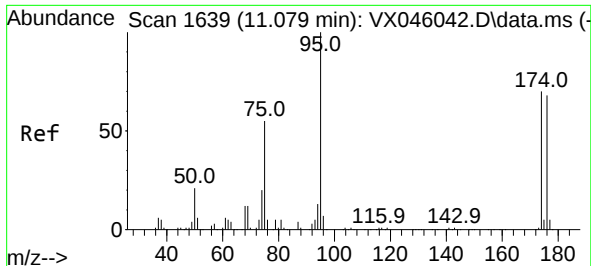
Tgt Ion: 76 Resp: 1648
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 26.840 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 43 Resp: 30141
Ion Ratio Lower Upper
43 100
58 20.6 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 51.949 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046223.D

Acq: 15 May 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

L3-WC-3

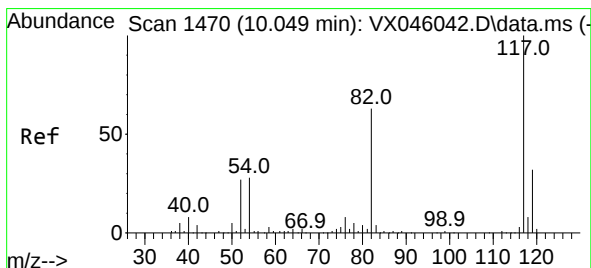
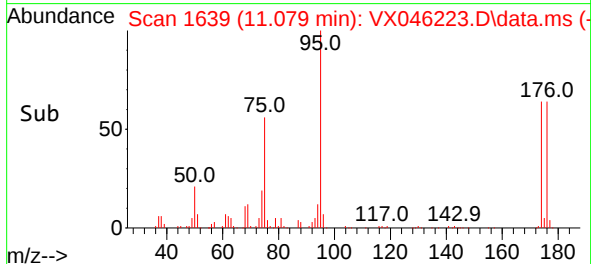
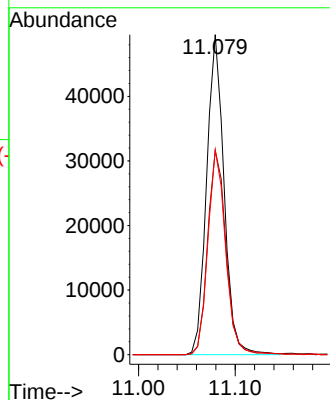
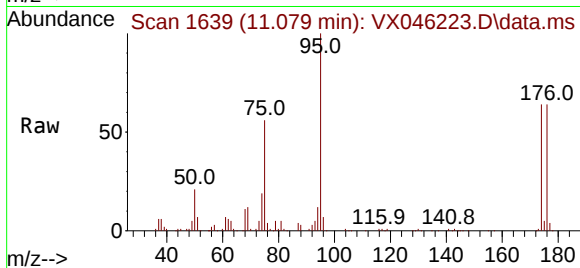
Tgt Ion: 95 Resp: 62276

Ion Ratio Lower Upper

95 100

174 66.8 0.0 135.8

176 64.9 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: VX046223.D

Acq: 15 May 2025 18:51

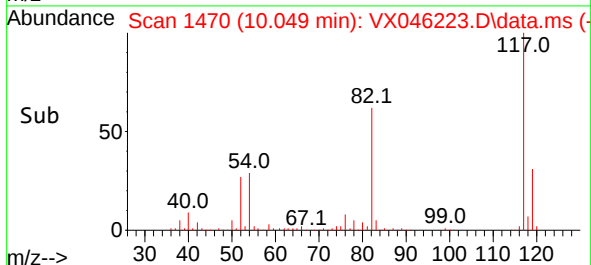
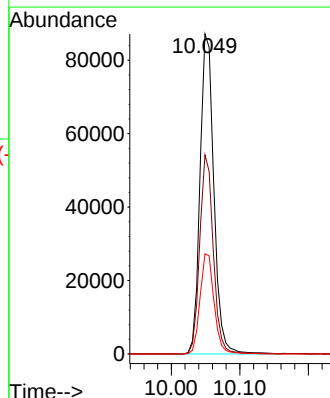
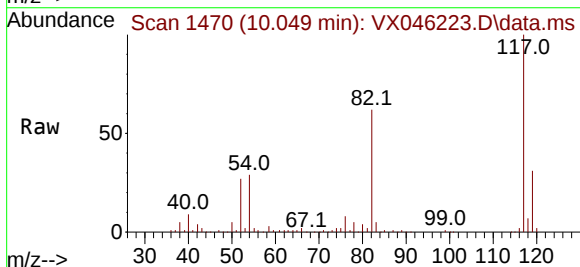
Tgt Ion: 117 Resp: 122779

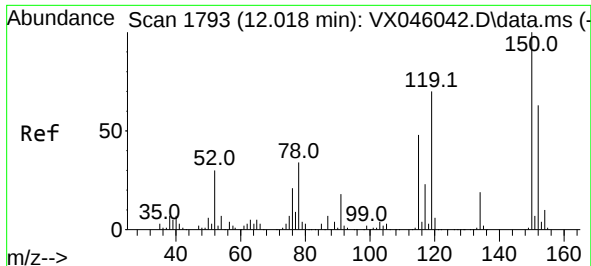
Ion Ratio Lower Upper

117 100

82 62.2 50.6 76.0

119 31.3 25.8 38.6

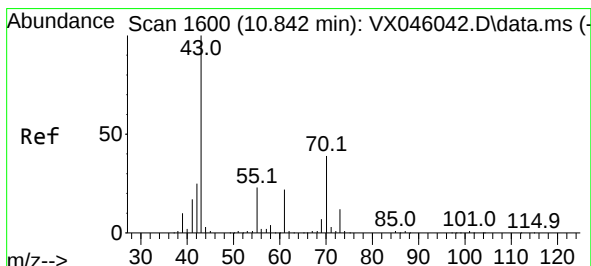
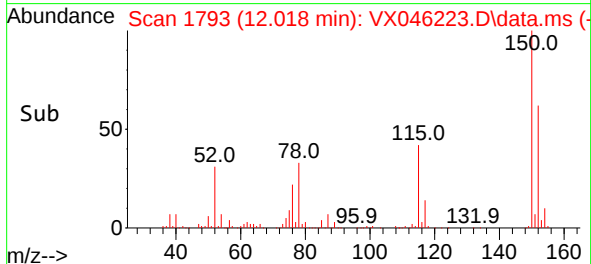
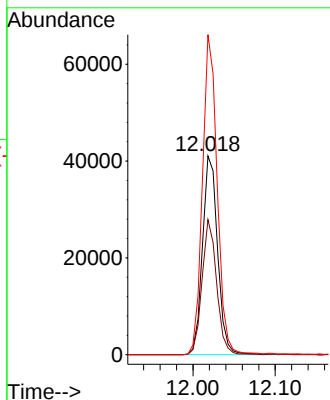
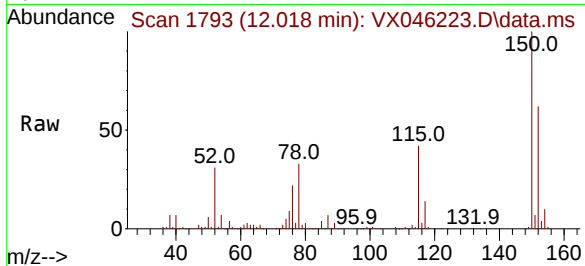




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046223.D
 Acq: 15 May 2025 18:51

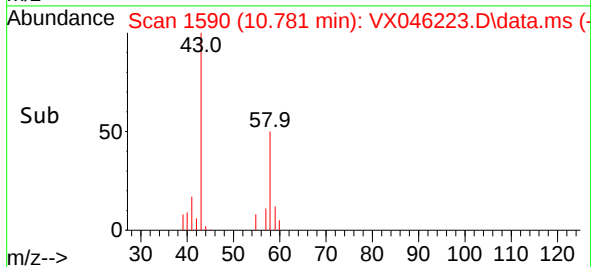
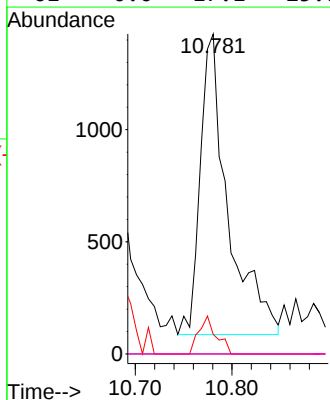
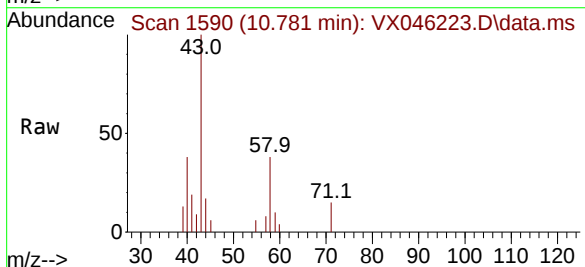
Instrument :
 MSVOA_X
 ClientSampleId :
 L3-WC-3

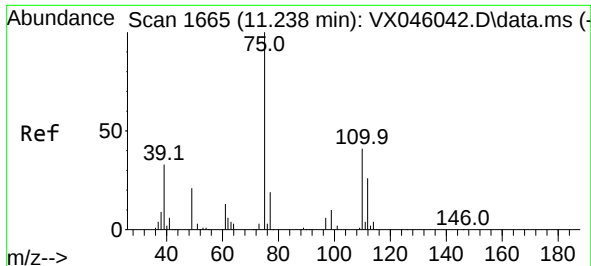
Tgt Ion:152 Resp: 52539
 Ion Ratio Lower Upper
 152 100
 115 65.4 46.9 140.7
 150 156.8 0.0 351.0



#74
 N-ethyl acetate
 Concen: 1.325 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX046223.D
 Acq: 15 May 2025 18:51

Tgt Ion: 43 Resp: 2678
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.9 46.3#
 55 8.0 18.7 28.1#
 61 0.0 17.1 25.7#

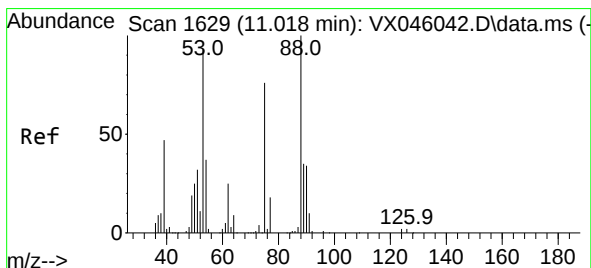
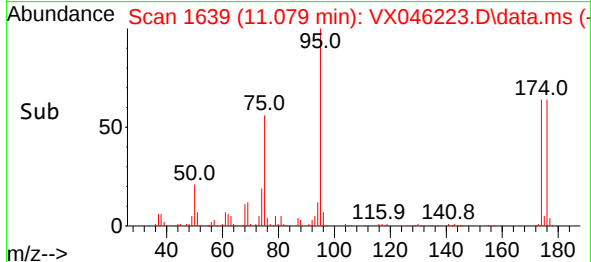
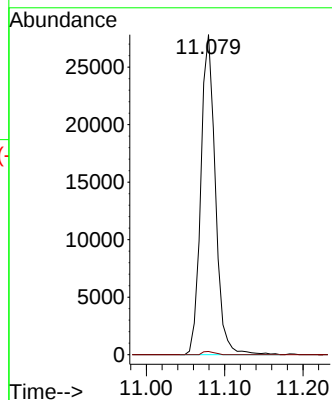
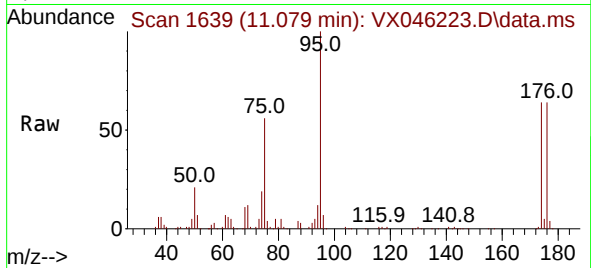




#76
1,2,3-Trichloropropane
Concen: 28.467 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Instrument :
MSVOA_X
ClientSampleId :
L3-WC-3

Tgt Ion: 75 Resp: 36000
Ion Ratio Lower Upper
75 100
77 0.8 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.678 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046223.D
Acq: 15 May 2025 18:51

Tgt Ion: 75 Resp: 36000
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

