

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047677.D
 Acq On : 19 Sep 2025 15:36
 Operator : JC/MD
 Sample : Q3097-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:33:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

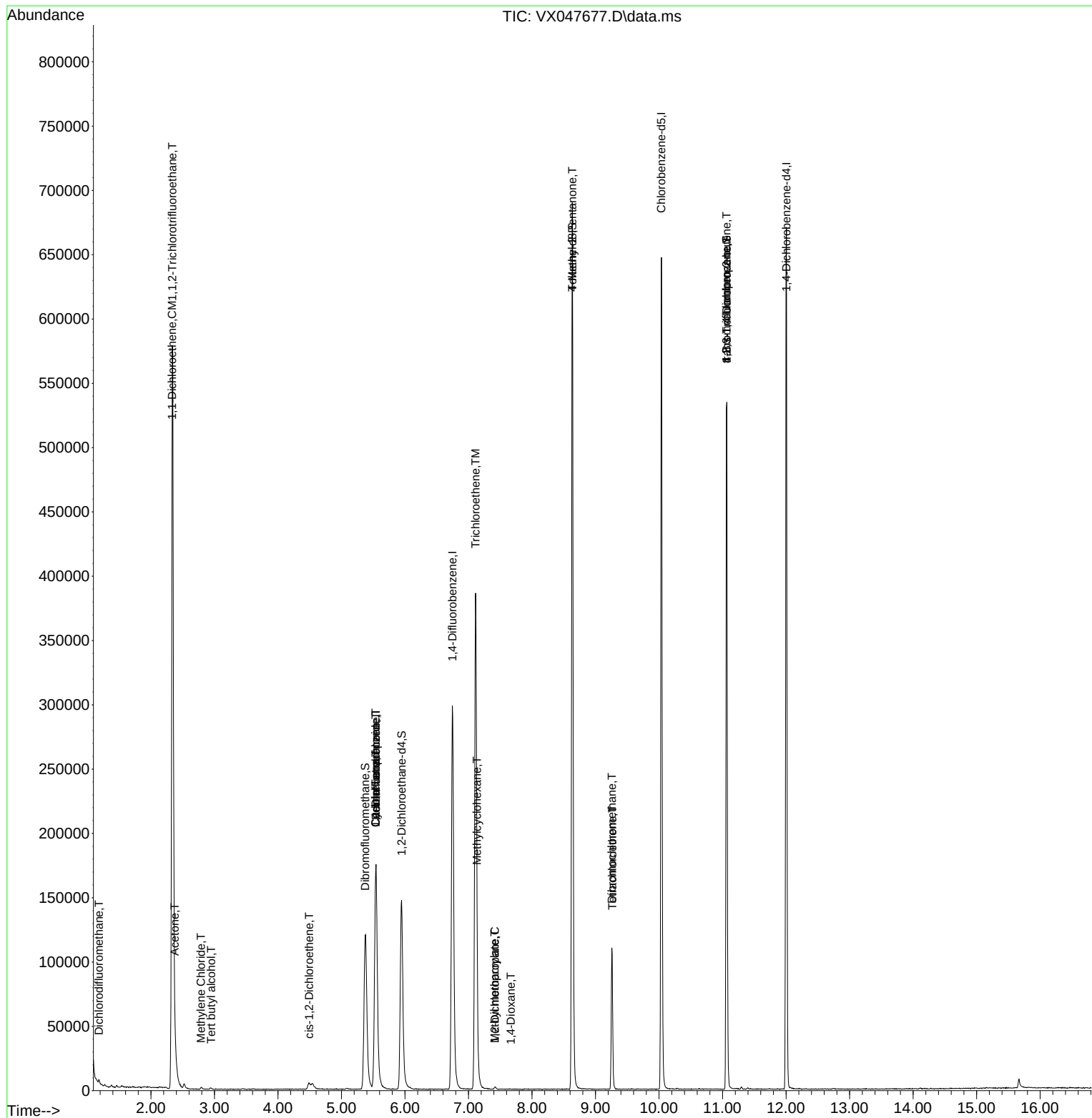
Internal Standards						
1) Pentafluorobenzene	5.544	168	174878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	323460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	158730	57.023	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.040%
35) Dibromofluoromethane	5.373	113	119240	54.967	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.940%
50) Toluene-d8	8.635	98	413988	55.153	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	110.300%
62) 4-Bromofluorobenzene	11.061	95	157955	55.447	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	440	0.243	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	272046	134.496	ug/l	98
11) Tert butyl alcohol	2.947	59	277	0.893	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	1913	0.921	ug/l #	83
16) Acetone	2.373	43	1888	1.560	ug/l	97
20) Methylene Chloride	2.788	84	607	0.237	ug/l #	69
27) cis-1,2-Dichloroethene	4.489	96	3402	1.242	ug/l	96
31) Cyclohexane	5.538	56	3869	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	14891	4.698	ug/l #	51
38) Carbon Tetrachloride	5.538	117	18659	5.418	ug/l #	17
39) Methylcyclohexane	7.135	83	837	0.233	ug/l #	1
44) Trichloroethene	7.110	130	160446	68.931	ug/l	95
45) 1,2-Dichloropropane	7.415	63	677	0.275	ug/l #	75
48) Methyl methacrylate	7.409	41	613	0.221	ug/l #	43
49) 1,4-Dioxane	7.665	88	153	5.460	ug/l #	6
51) 4-Methyl-2-Pentanone	8.635	43	2033	0.659	ug/l #	1
60) Dibromochloromethane	9.256	129	21529	8.169	ug/l #	11
64) Tetrachloroethene	9.262	164	21859	11.369	ug/l	95
76) 1,2,3-Trichloropropane	11.061	75	82275	28.346	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	82275	72.286	ug/l #	8

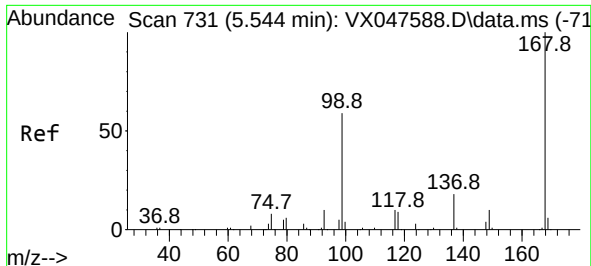
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 20 00:33:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

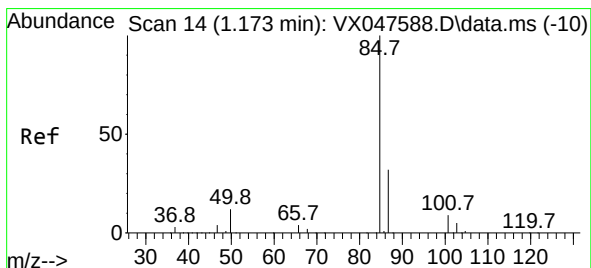
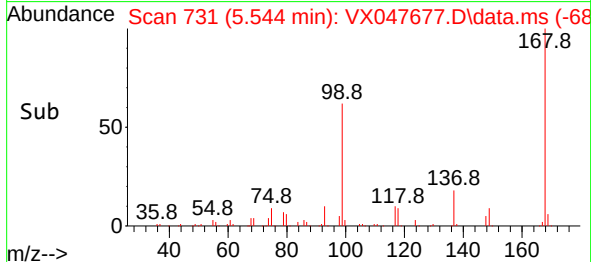
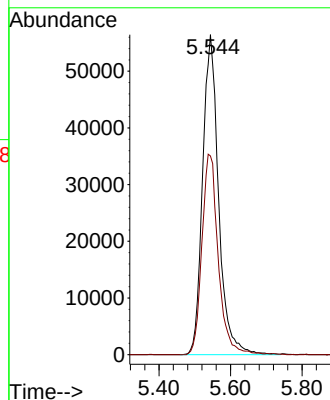
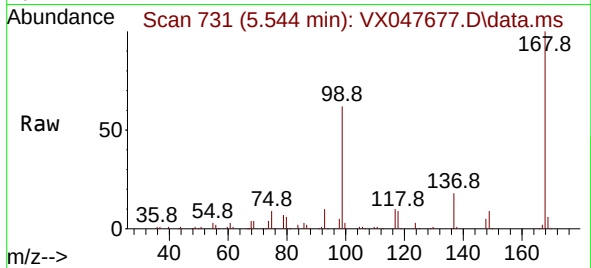




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

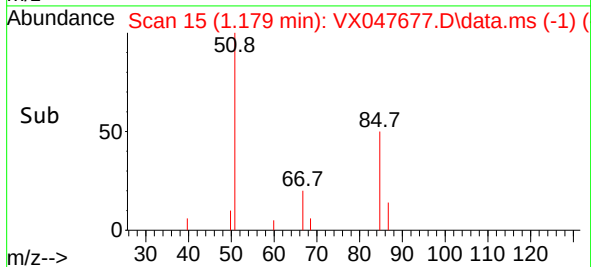
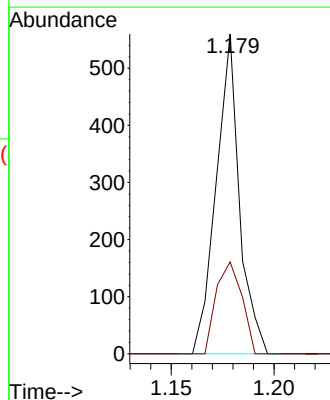
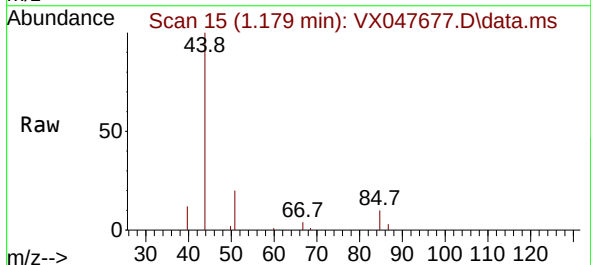
Instrument : MSVOA_X
ClientSampleId :

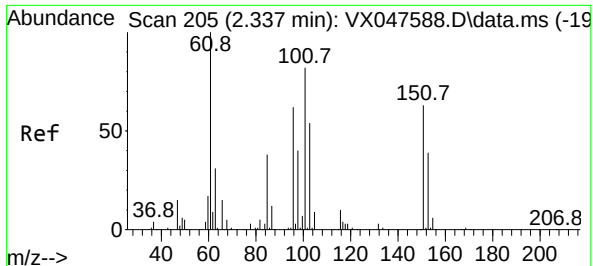
Tgt Ion:168 Resp: 174878
Ion Ratio Lower Upper
168 100
99 62.1 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.243 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion: 85 Resp: 440
Ion Ratio Lower Upper
85 100
87 28.7 15.8 47.3

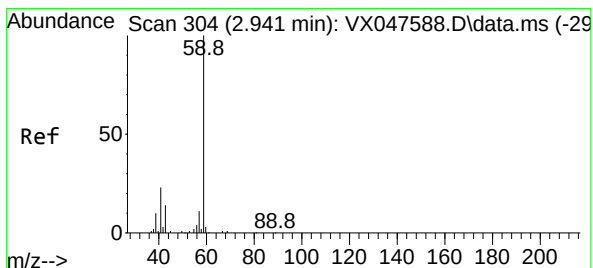
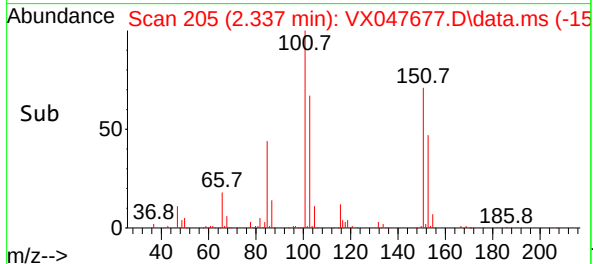
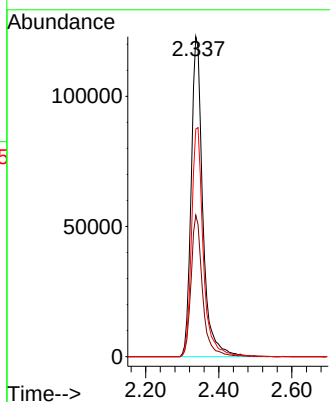
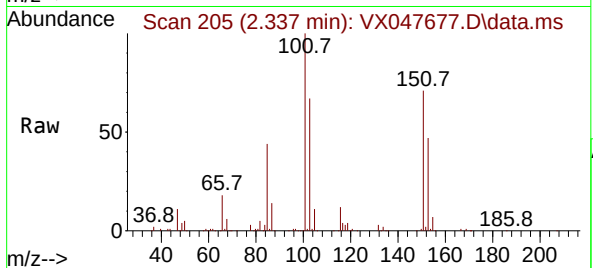




#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.496 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

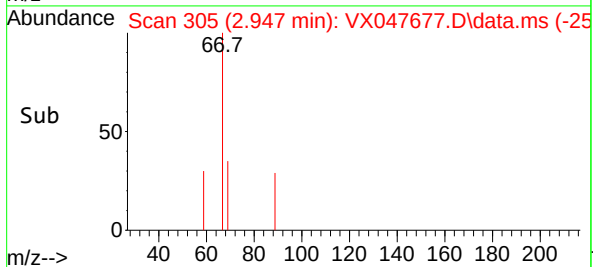
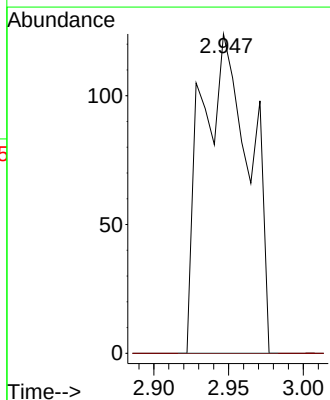
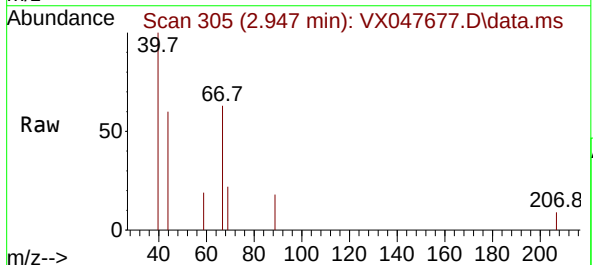
Instrument :
MSVOA_X
ClientSampleId :

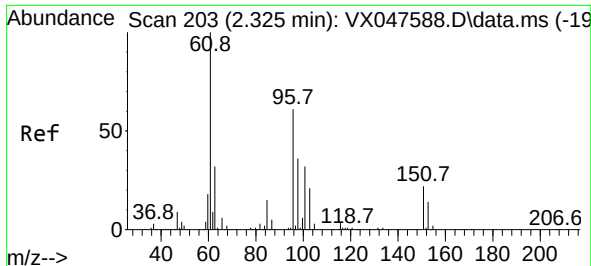
Tgt Ion:101 Resp: 272046
Ion Ratio Lower Upper
101 100
85 43.8 35.5 53.3
151 72.5 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.893 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.921 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX047677.D

Acq: 19 Sep 2025 15:36

Instrument :

MSVOA_X

ClientSampleId :

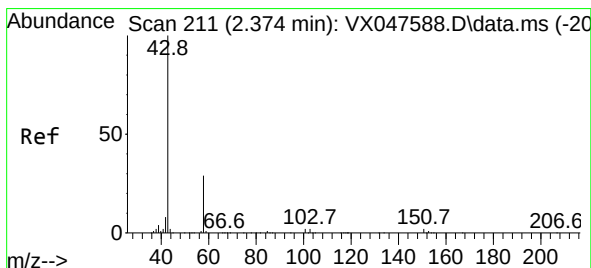
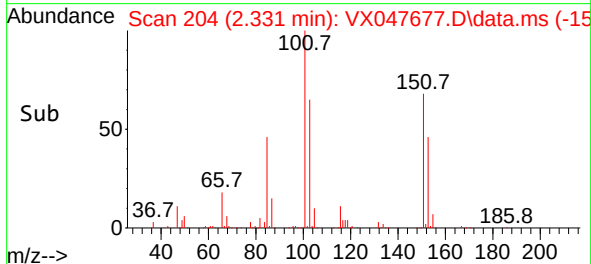
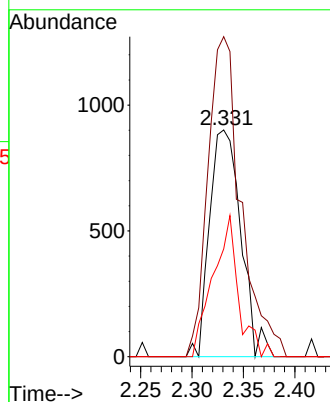
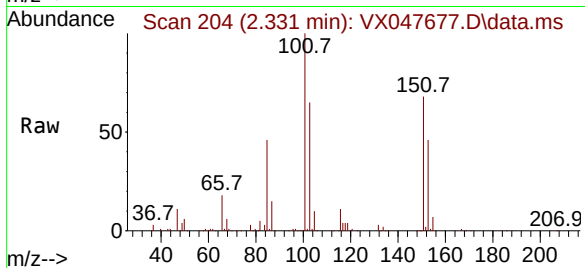
Tgt Ion: 96 Resp: 1913

Ion Ratio Lower Upper

96 100

61 141.2 131.0 196.6

98 47.6 47.7 71.5#



#16

Acetone

Concen: 1.560 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047677.D

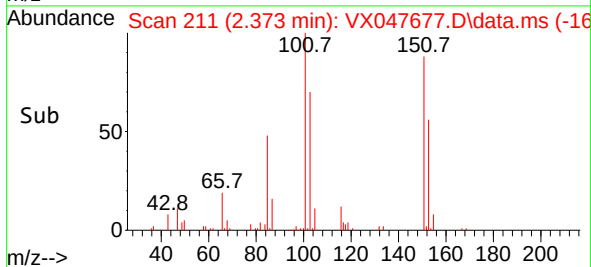
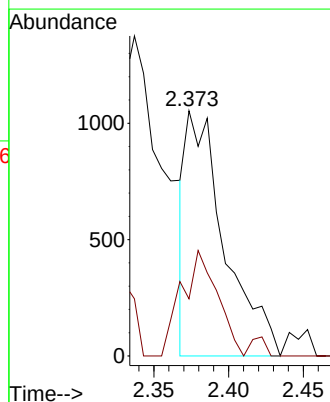
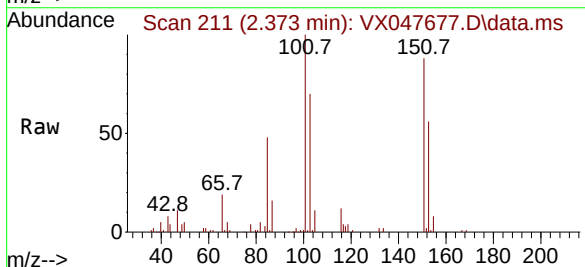
Acq: 19 Sep 2025 15:36

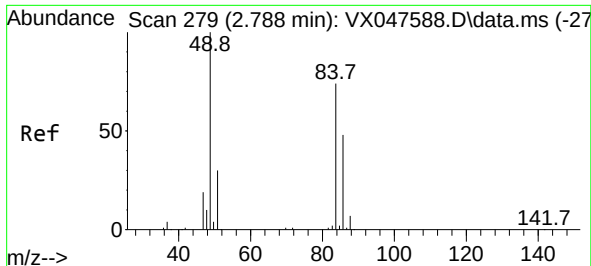
Tgt Ion: 43 Resp: 1888

Ion Ratio Lower Upper

43 100

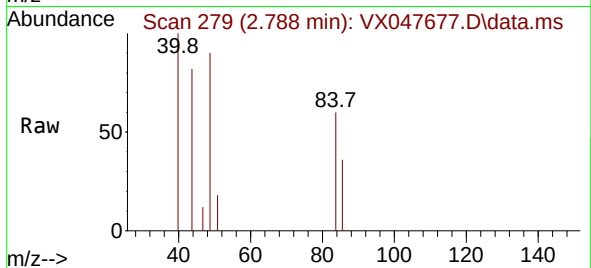
58 27.7 23.4 35.0





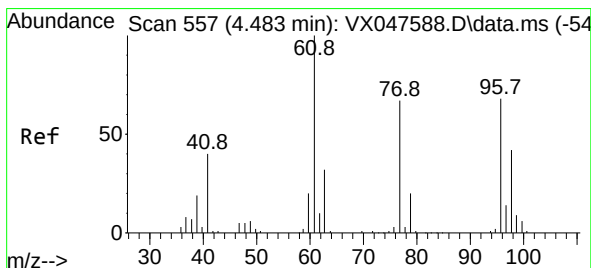
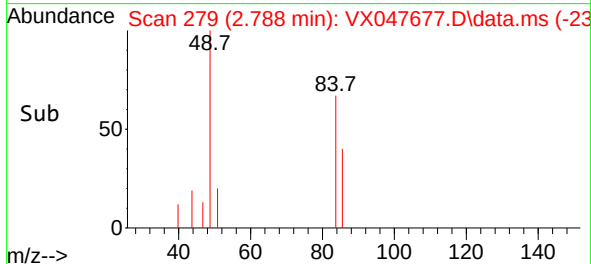
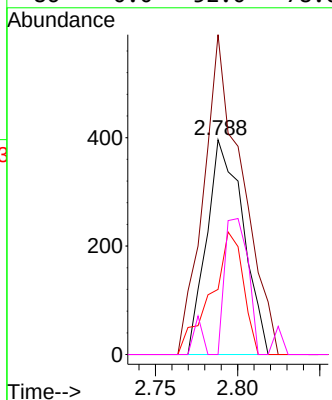
#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 607

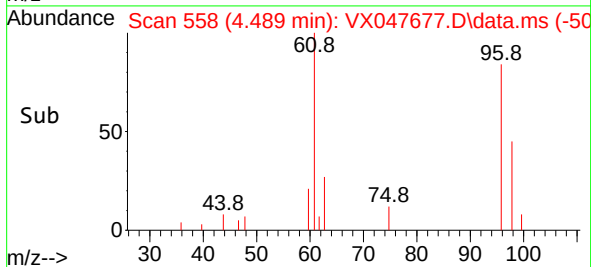
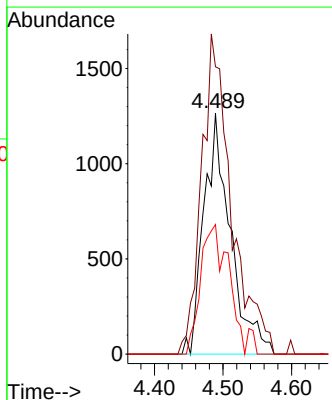
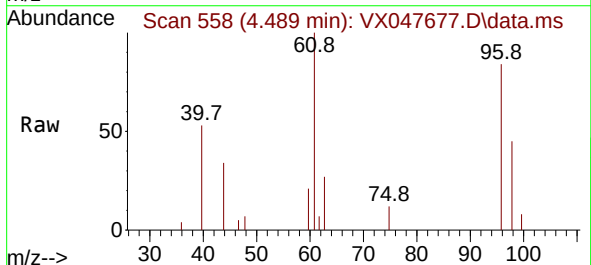
Ion	Ratio	Lower	Upper
84	100		
49	149.0	108.6	162.8
51	30.3	32.6	48.8#
86	0.0	52.0	78.0#

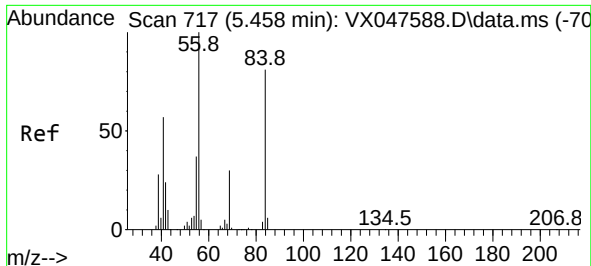


#27
cis-1,2-Dichloroethene
Concen: 1.242 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion: 96 Resp: 3402

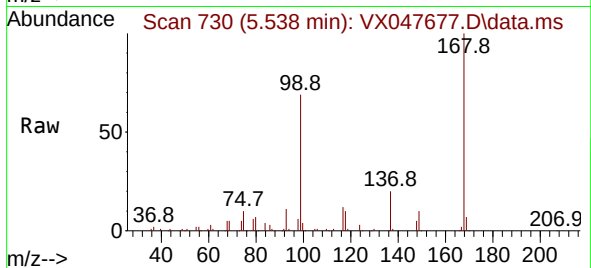
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	303.2
98	56.2	0.0	127.8



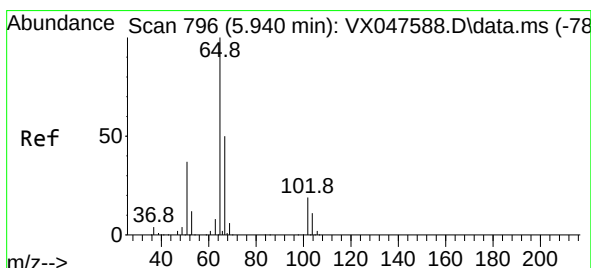
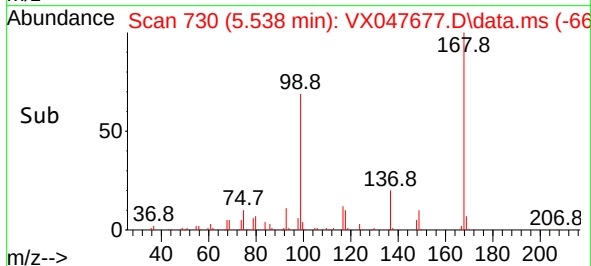
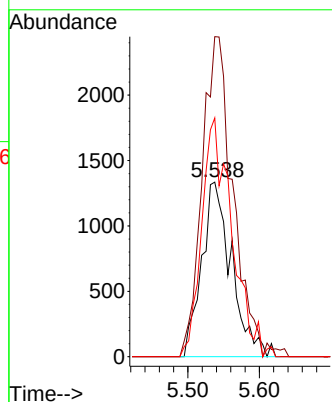


#31
Cyclohexane
Concen: 1.052 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :

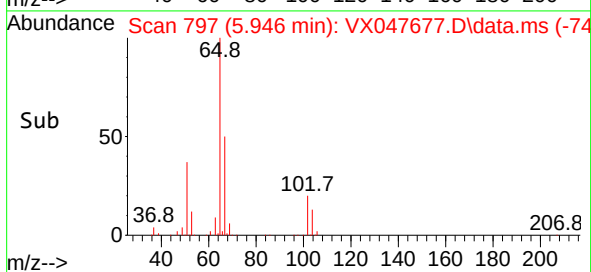
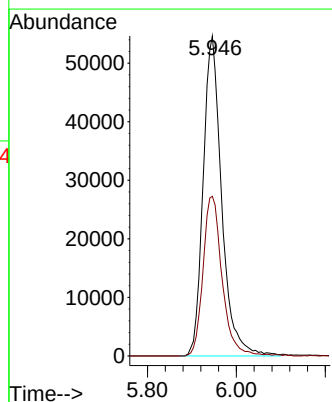
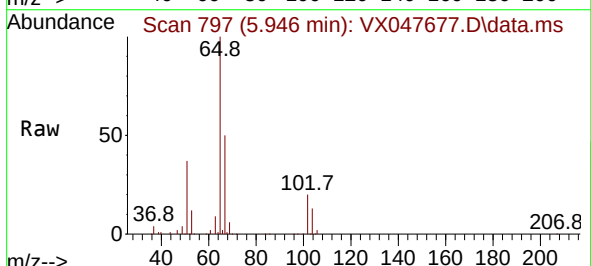


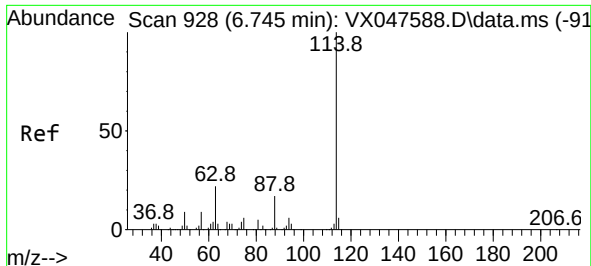
Tgt Ion	Ratio	Lower	Upper
56	100		
69	183.3	23.8	35.8#
84	136.7	64.6	97.0#



#33
1,2-Dichloroethane-d4
Concen: 57.023 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

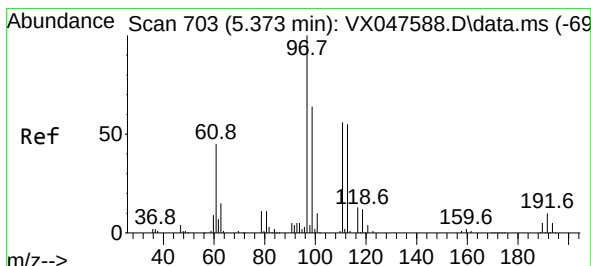
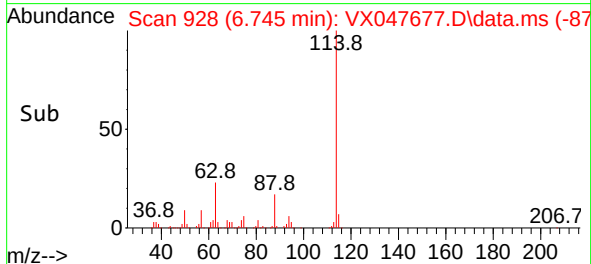
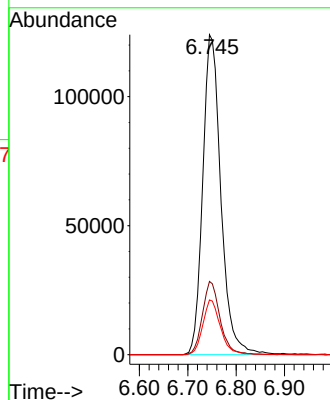
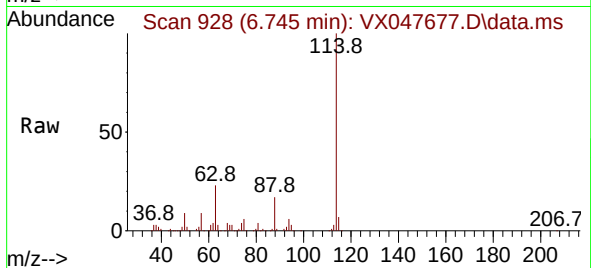




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

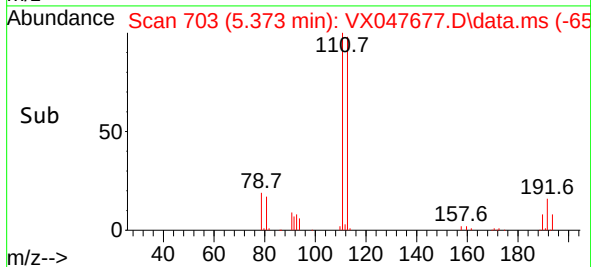
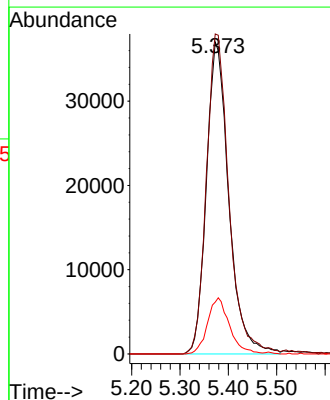
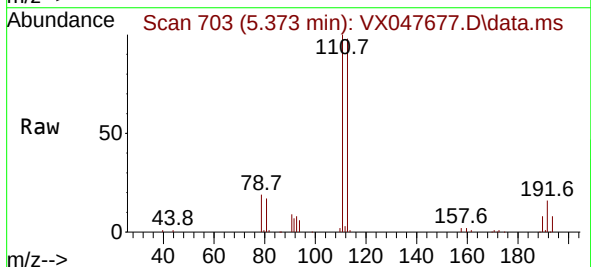
Instrument :
MSVOA_X
ClientSampleId :

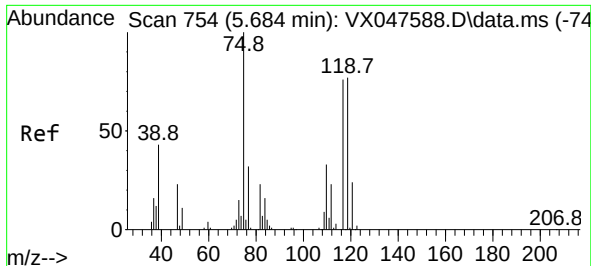
Tgt Ion:114 Resp: 323460
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.0
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 54.967 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

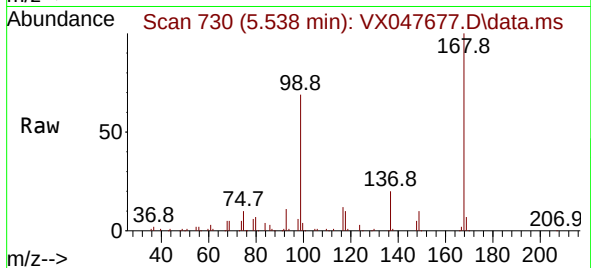
Tgt Ion:113 Resp: 119240
Ion Ratio Lower Upper
113 100
111 102.8 80.9 121.3
192 17.6 14.2 21.4



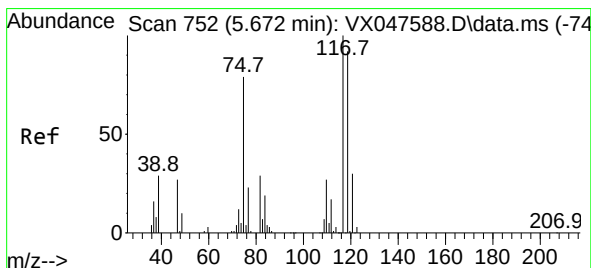
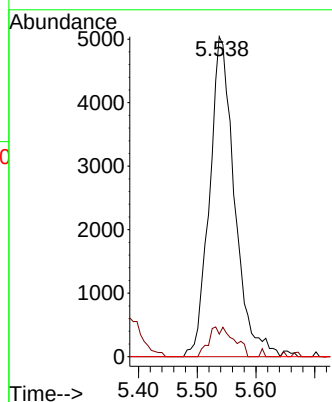
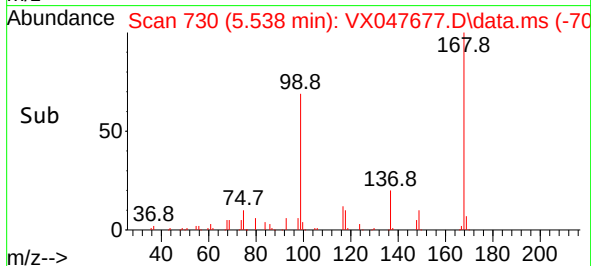


#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.146 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

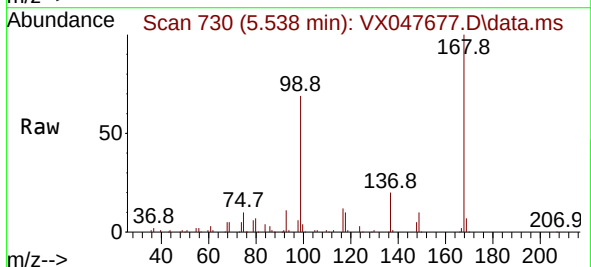
Instrument :
MSVOA_X
ClientSampleId :



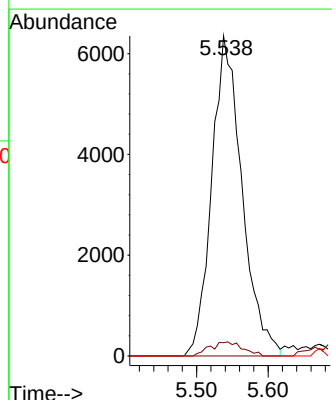
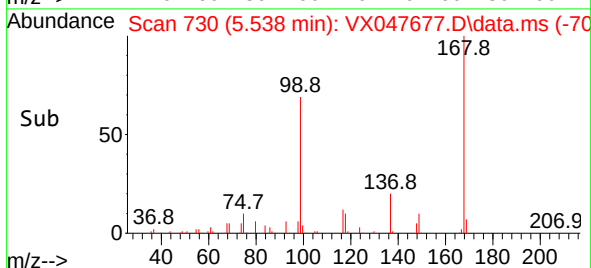
Tgt Ion: 75 Resp: 14891
Ion Ratio Lower Upper
75 100
110 9.3 16.7 50.1#
77 0.0 24.3 36.5#

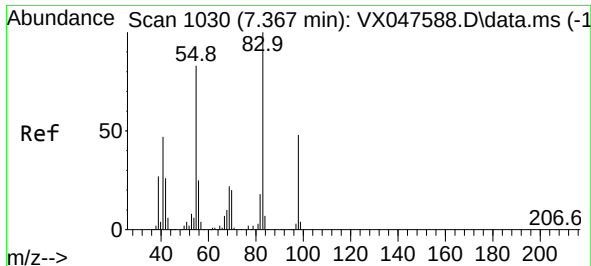


#38
Carbon Tetrachloride
Concen: 5.418 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36



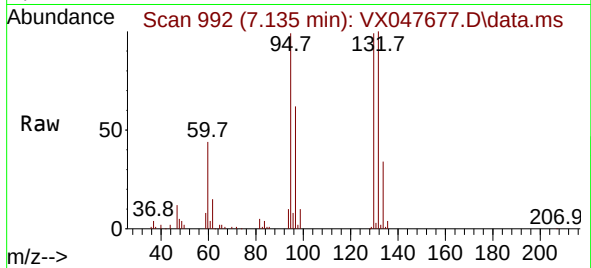
Tgt Ion: 117 Resp: 18659
Ion Ratio Lower Upper
117 100
119 4.1 73.4 110.2#
121 0.0 23.8 35.6#



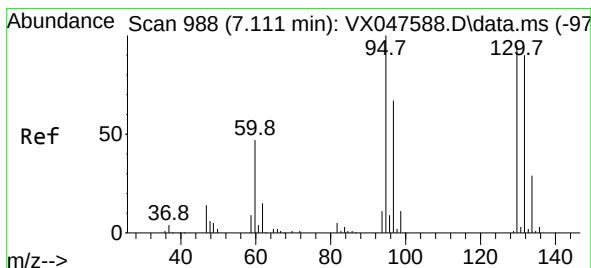
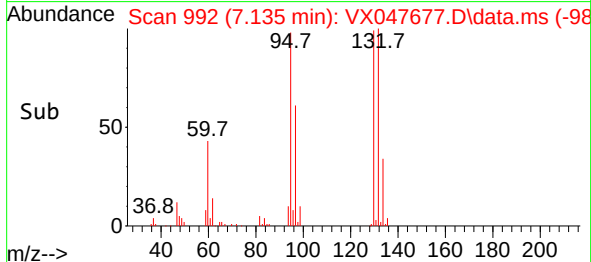
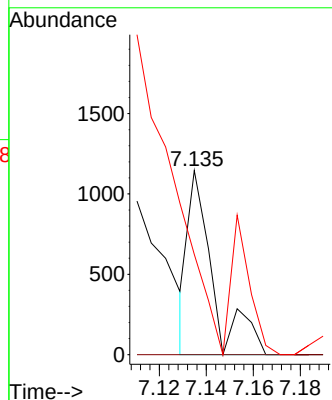


#39
Methylcyclohexane
Concen: 0.233 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.232 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :

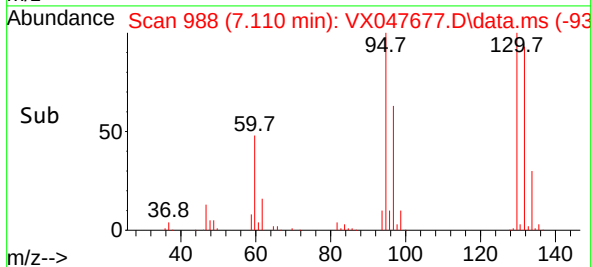
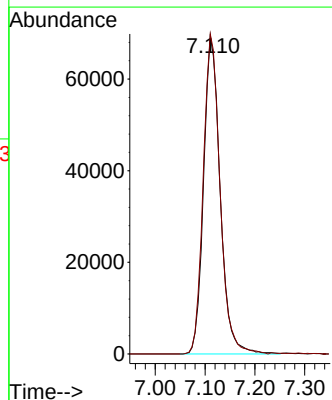
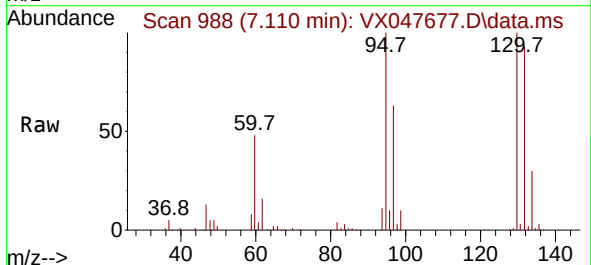


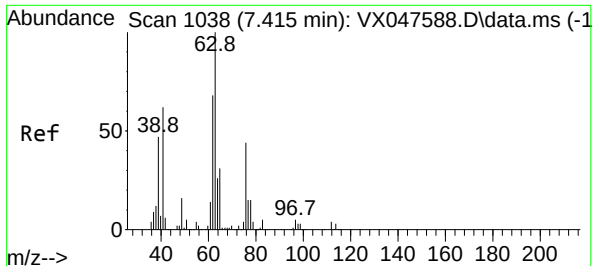
Tgt Ion: 83 Resp: 837
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 284.6 38.1 57.1#



#44
Trichloroethene
Concen: 68.931 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion:130 Resp: 160446
Ion Ratio Lower Upper
130 100
95 100.4 0.0 210.8





#45

1,2-Dichloropropane

Concen: 0.275 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047677.D

Acq: 19 Sep 2025 15:36

Instrument :

MSVOA_X

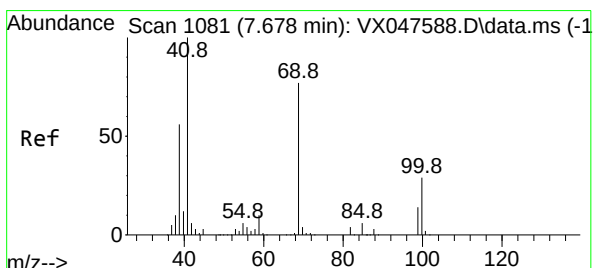
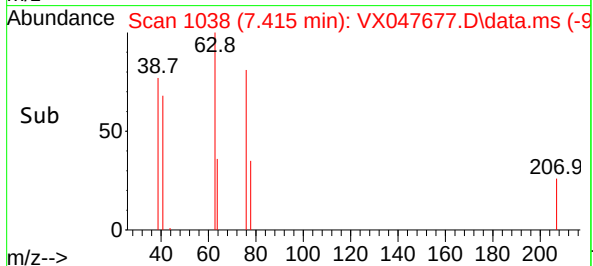
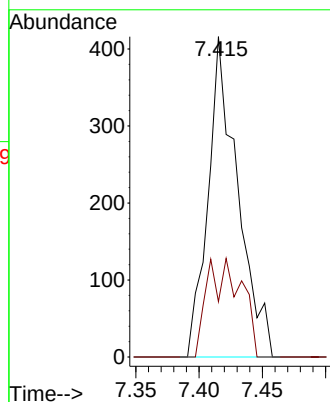
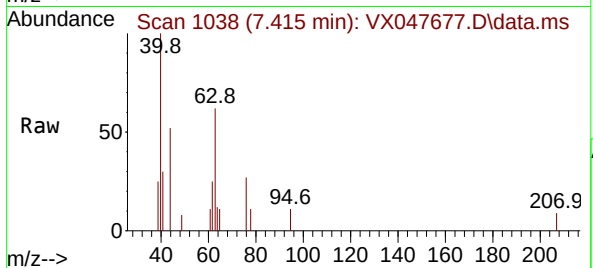
ClientSampleId :

Tgt Ion: 63 Resp: 677

Ion Ratio Lower Upper

63 100

65 17.3 24.7 37.1#



#48

Methyl methacrylate

Concen: 0.221 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.268 min

Lab File: VX047677.D

Acq: 19 Sep 2025 15:36

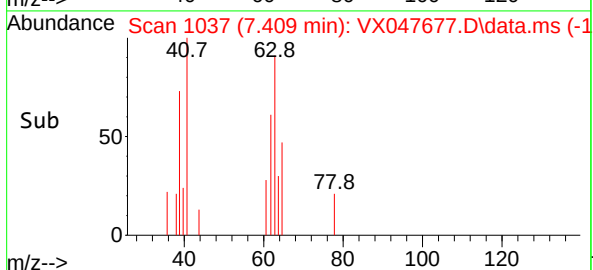
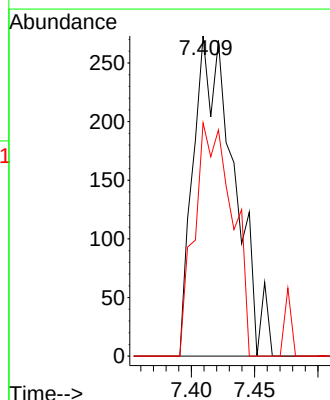
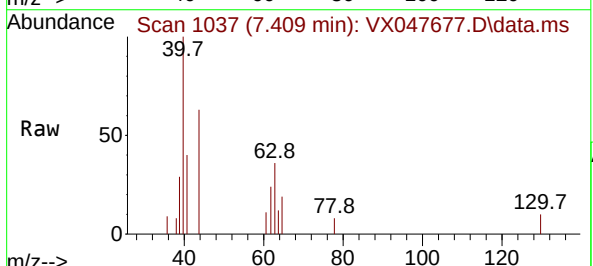
Tgt Ion: 41 Resp: 613

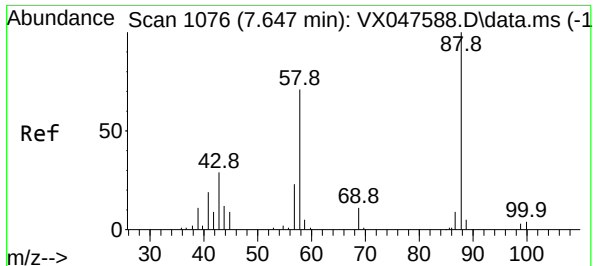
Ion Ratio Lower Upper

41 100

69 0.0 61.4 92.2#

39 67.5 45.8 68.6





#49

1,4-Dioxane

Concen: 5.460 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.018 min

Lab File: VX047677.D

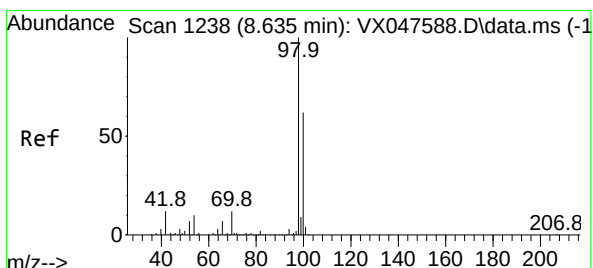
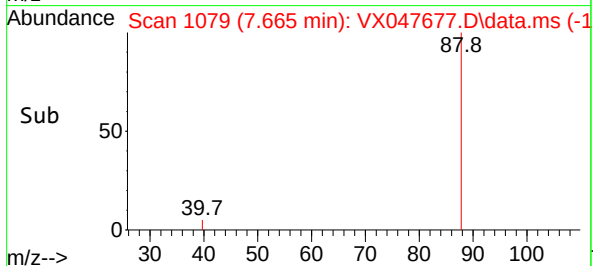
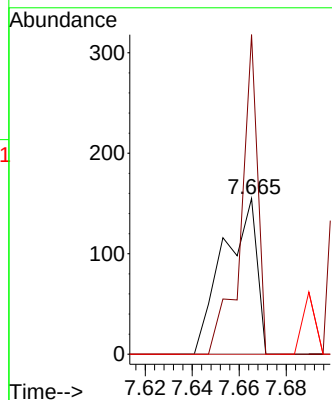
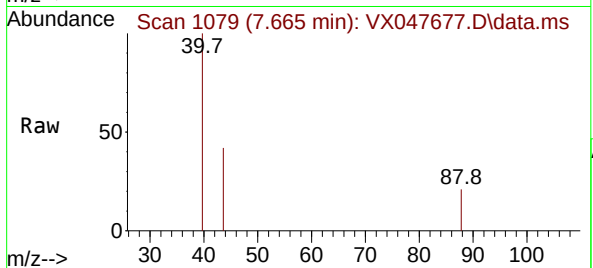
Acq: 19 Sep 2025 15:36

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	153
Ion	Ratio	Lower	Upper
88	100		
43	102.0	30.2	45.2#
58	0.0	59.5	89.3#



#50

Toluene-d8

Concen: 55.153 ug/l

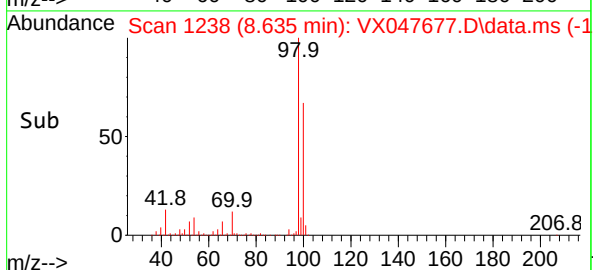
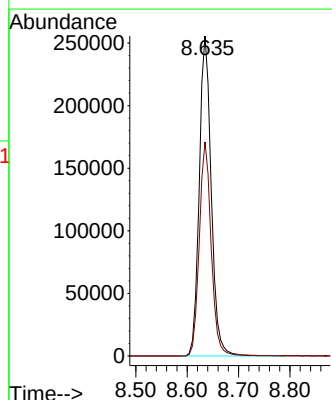
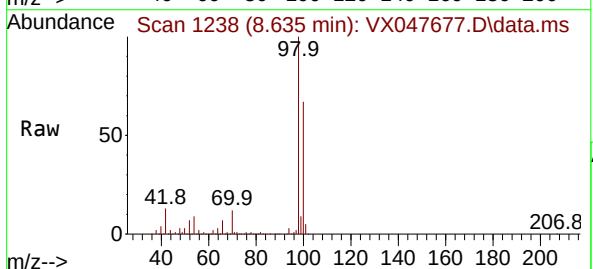
RT: 8.635 min Scan# 1238

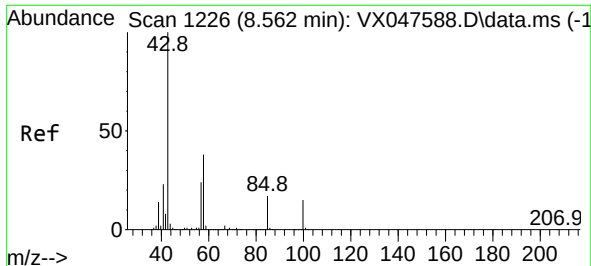
Delta R.T. -0.000 min

Lab File: VX047677.D

Acq: 19 Sep 2025 15:36

Tgt Ion:	98	Resp:	413988
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

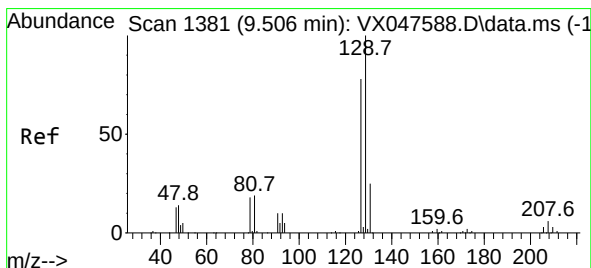
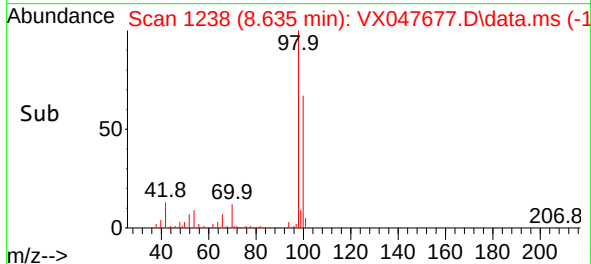
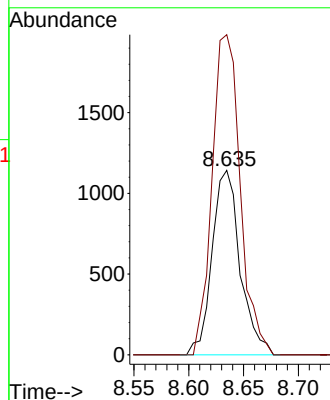
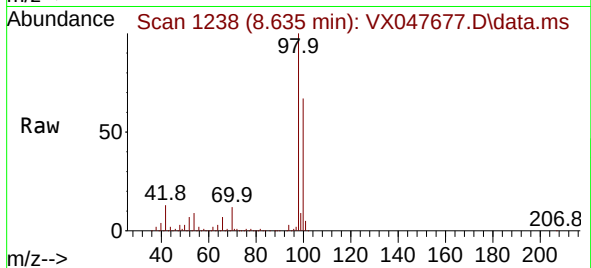




#51
4-Methyl-2-Pentanone
Concen: 0.659 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

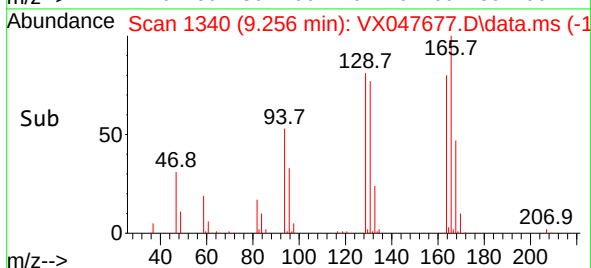
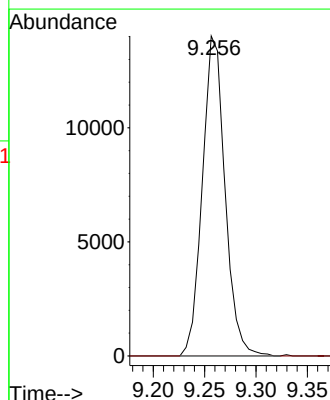
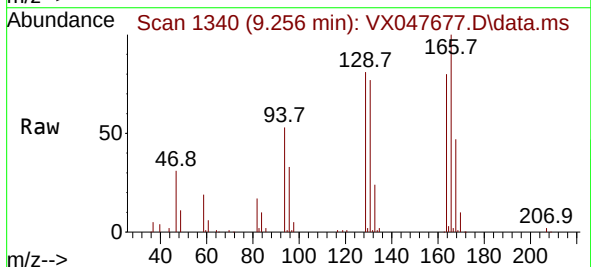
Instrument :
MSVOA_X
ClientSampleId :

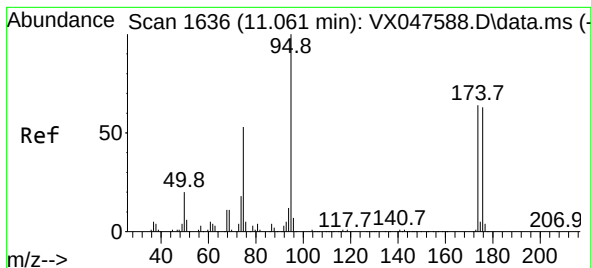
Tgt Ion: 43 Resp: 2033
Ion Ratio Lower Upper
43 100
58 174.3 30.3 45.5#



#60
Dibromochloromethane
Concen: 8.169 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion: 129 Resp: 21529
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

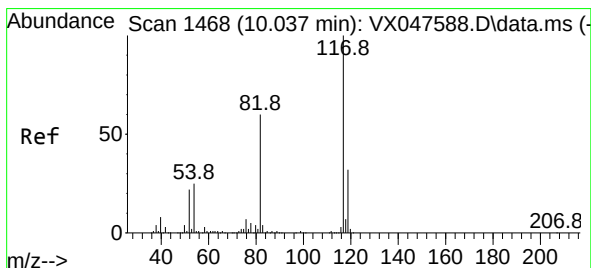
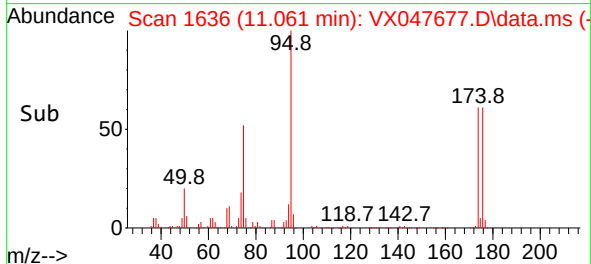
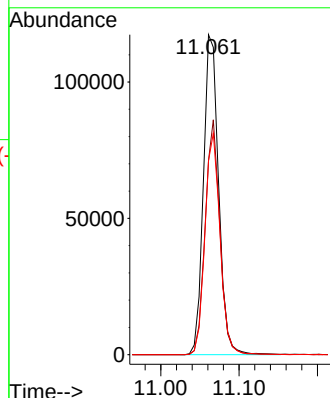
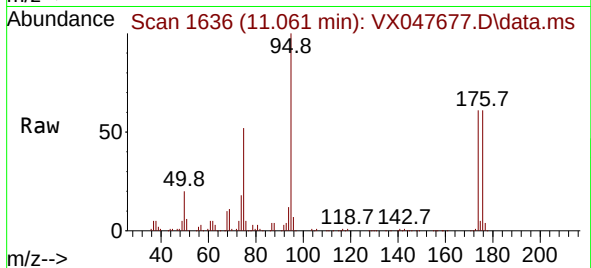




#62
4-Bromofluorobenzene
Concen: 55.447 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

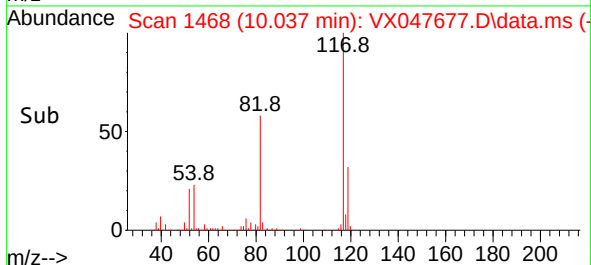
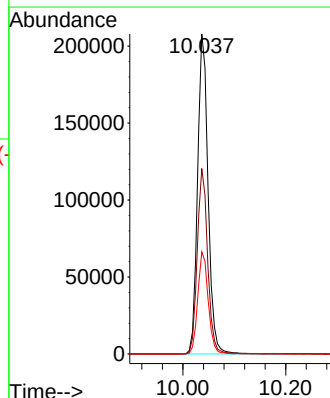
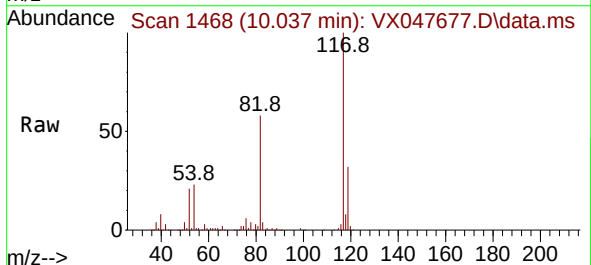
Instrument :
MSVOA_X
ClientSampleId :

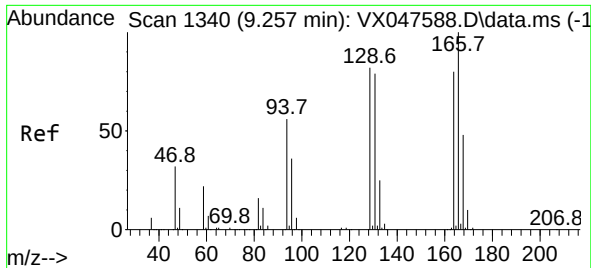
Tgt Ion: 95 Resp: 157955
Ion Ratio Lower Upper
95 100
174 70.9 0.0 141.6
176 68.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion: 117 Resp: 294926
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 31.9 25.2 37.8

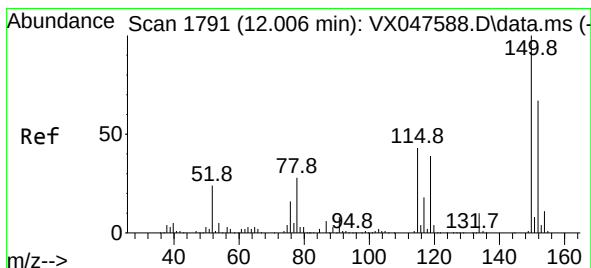
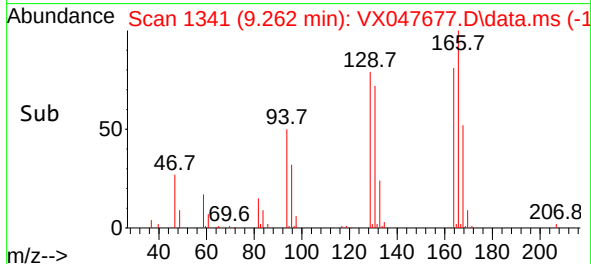
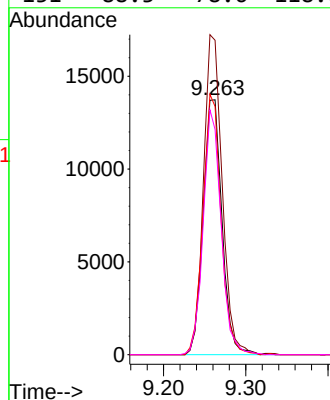
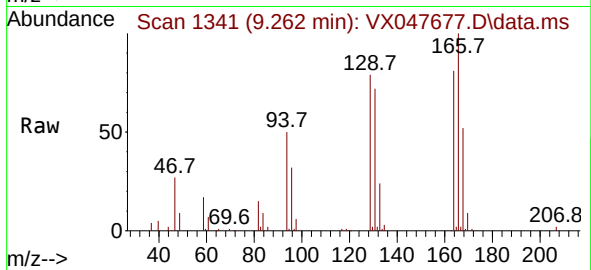




#64
Tetrachloroethene
Concen: 11.369 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

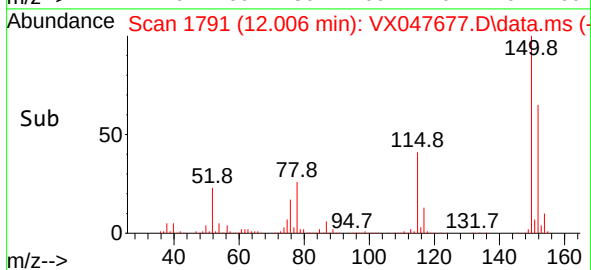
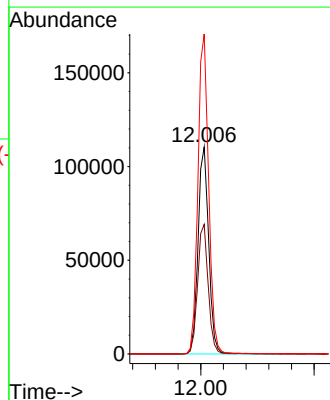
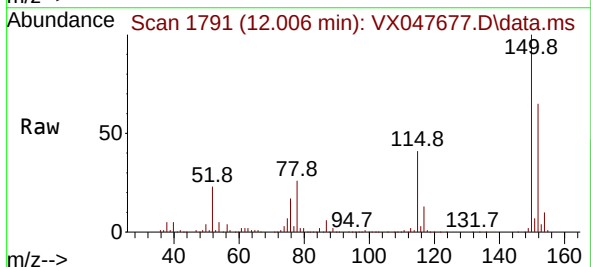
Instrument :
MSVOA_X
ClientSampleId :

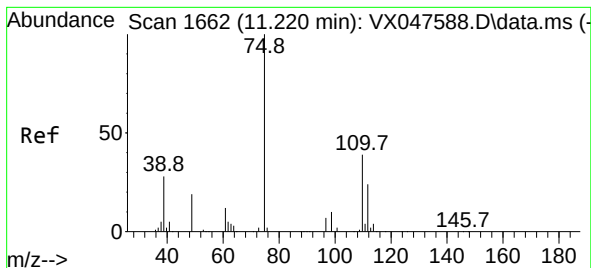
Tgt Ion:164 Resp: 21859
Ion Ratio Lower Upper
164 100
166 123.3 100.2 150.2
129 97.4 81.8 122.6
131 88.3 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047677.D
Acq: 19 Sep 2025 15:36

Tgt Ion:152 Resp: 143358
Ion Ratio Lower Upper
152 100
115 62.4 44.9 134.5
150 155.9 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 28.346 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047677.D

Acq: 19 Sep 2025 15:36

Instrument :

MSVOA_X

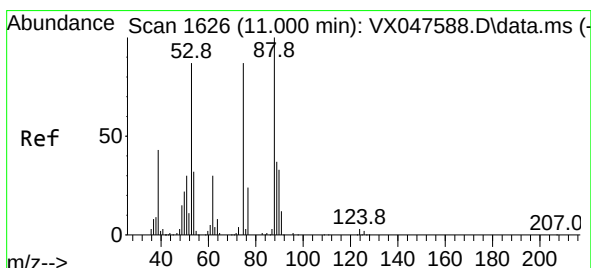
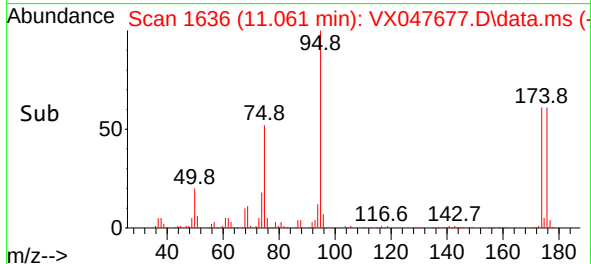
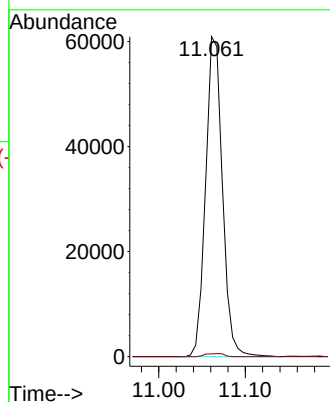
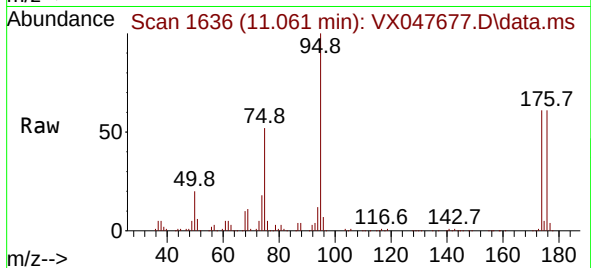
ClientSampleId :

Tgt Ion: 75 Resp: 82275

Ion Ratio Lower Upper

75 100

77 1.1 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.286 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX047677.D

Acq: 19 Sep 2025 15:36

Tgt Ion: 75 Resp: 82275

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

