

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027537.D
 Acq On : 18 Mar 2022 18:52
 Operator : JC/MD
 Sample : N1998-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 03:09:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

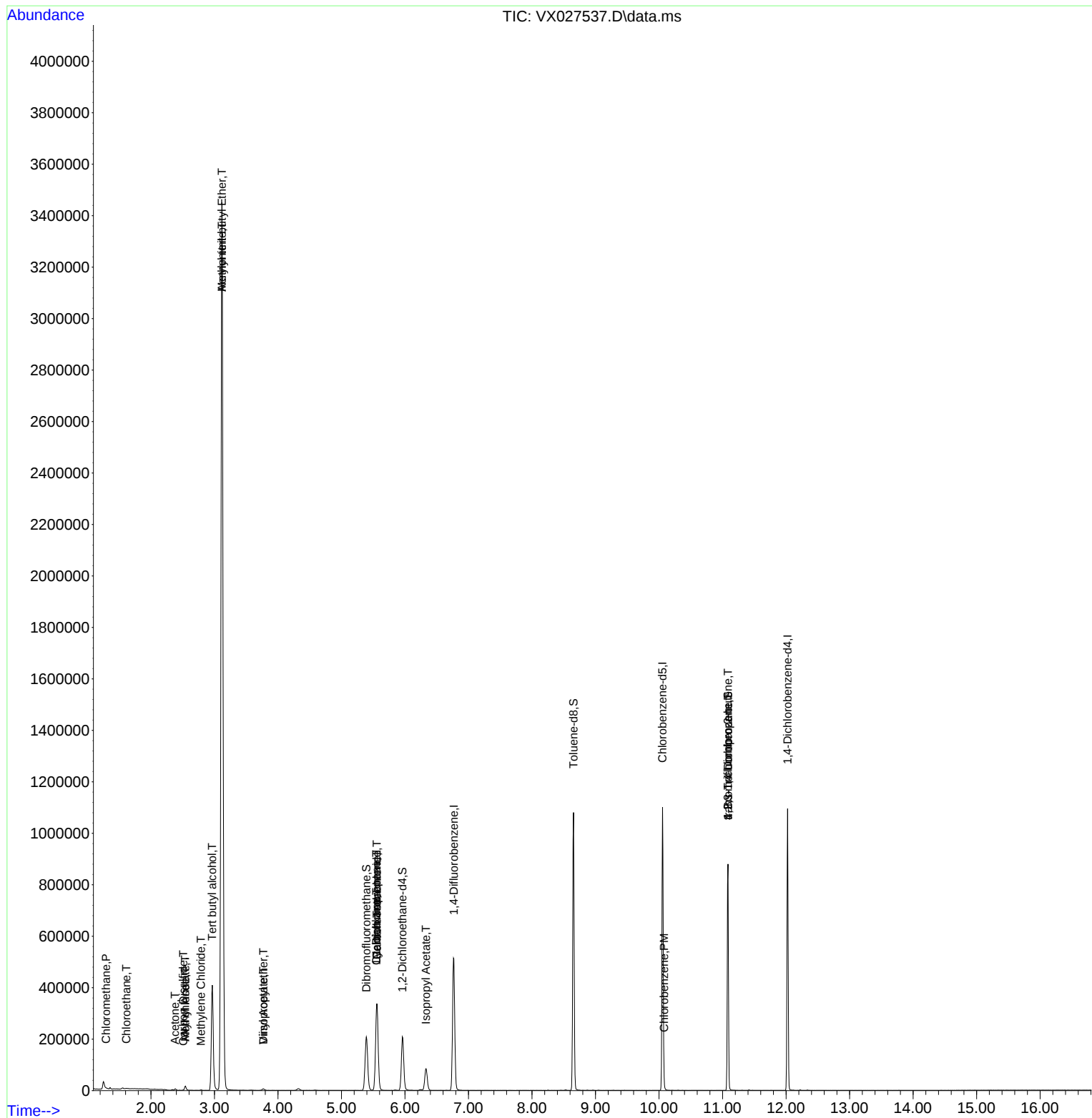
Internal Standards						
1) Pentafluorobenzene	5.556	168	331282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	554038	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	511266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	236861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	203373	49.833	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.660%
35) Dibromofluoromethane	5.391	113	184451	51.746	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.500%
50) Toluene-d8	8.653	98	654068	48.490	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.980%
62) 4-Bromofluorobenzene	11.085	95	236789	47.760	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.520%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	697	0.247	ug/l	98
5) Bromomethane	1.612	94	739	Below Cal		83
6) Chloroethane	1.612	64	4884	2.440	ug/l #	59
11) Tert butyl alcohol	2.965	59	463663	596.143	ug/l	100
14) Allyl chloride	2.538	41	1850	0.384	ug/l #	62
15) Acrylonitrile	3.117	53	40999	23.186	ug/l #	29
16) Acetone	2.380	43	5619	3.378	ug/l	97
17) Carbon Disulfide	2.508	76	1703	0.218	ug/l #	92
18) Methyl Acetate	2.538	43	5176	1.298	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	3911011	376.825	ug/l	99
20) Methylene Chloride	2.788	84	747	0.209	ug/l #	83
22) Diisopropyl ether	3.770	45	5779	0.615	ug/l	96
23) Vinyl Acetate	3.770	43	3481	0.426	ug/l #	66
31) Cyclohexane	5.550	56	5732	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	23248	4.773	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32922	5.908	ug/l #	15
43) Isopropyl Acetate	6.330	43	27262	3.490	ug/l #	9
58) 2-Chloroethyl Vinyl ether	8.177	63	48	Below Cal	#	45
65) Chlorobenzene	10.079	112	4427	0.421	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	114272	23.065	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	114272	70.049	ug/l #	15

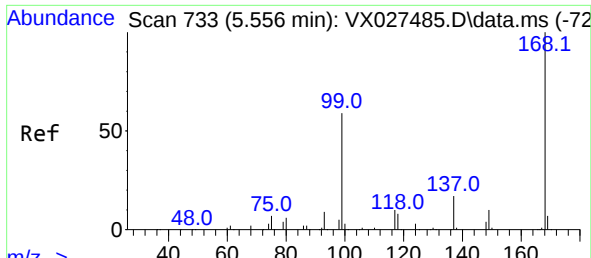
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

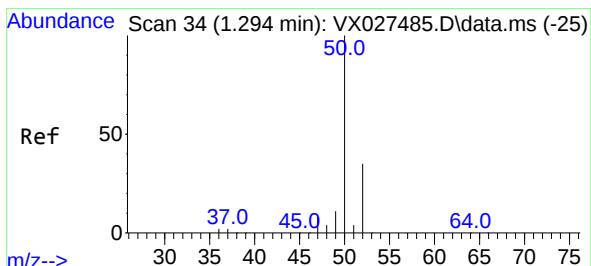
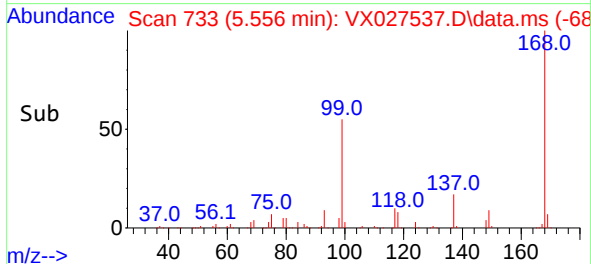
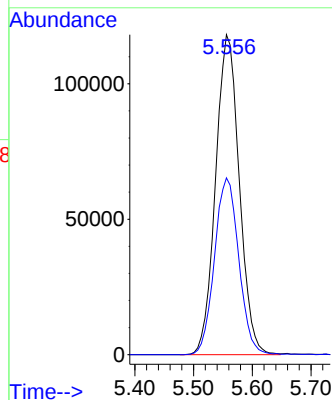
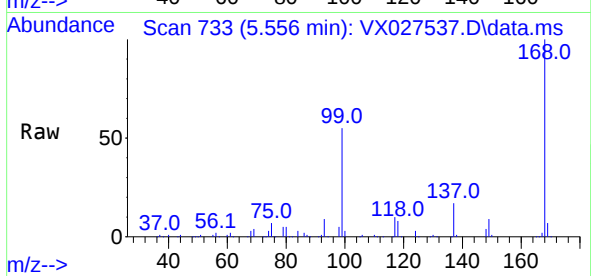




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

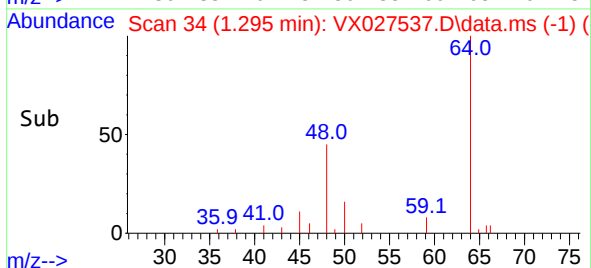
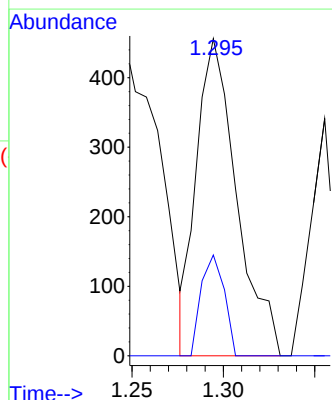
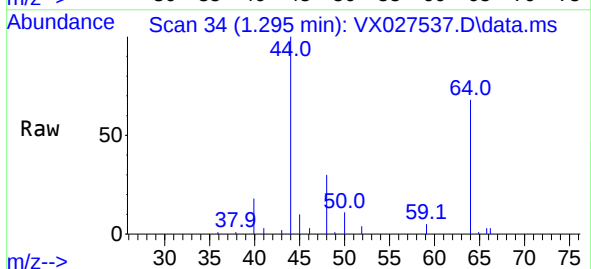
Instrument :
MSVOA_X
ClientSampleId :

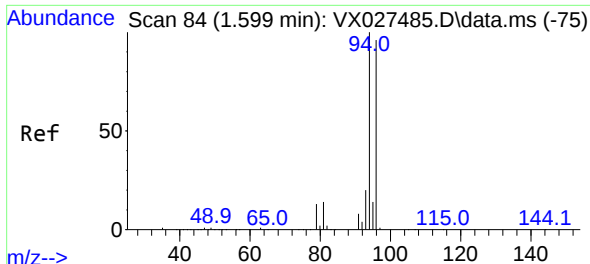
Tgt Ion:168 Resp: 331282
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#3
Chloromethane
Concen: 0.247 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 50 Resp: 697
Ion Ratio Lower Upper
50 100
52 31.8 26.4 39.6

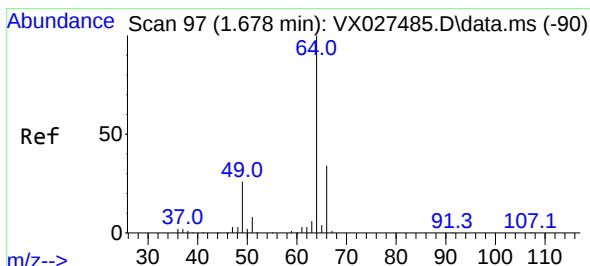
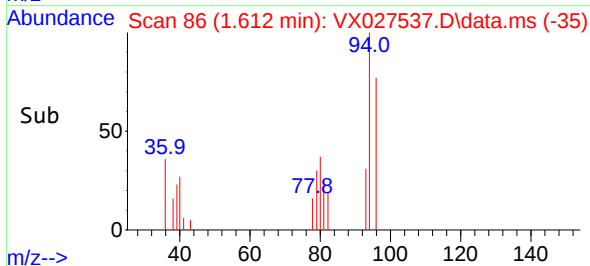
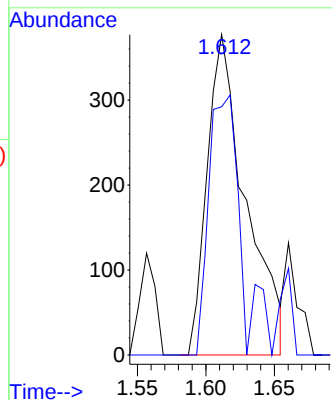
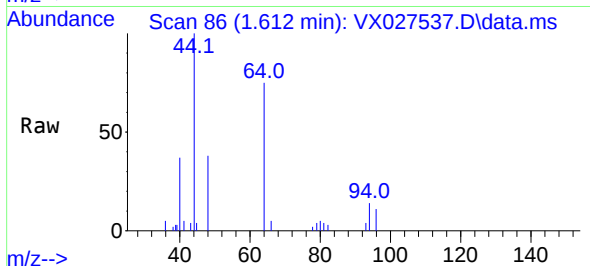




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

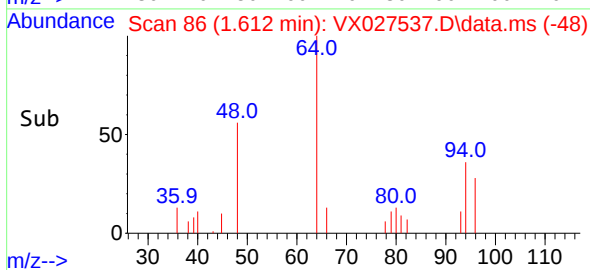
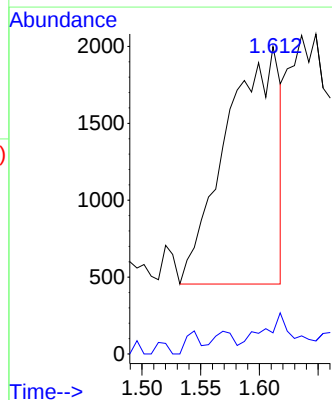
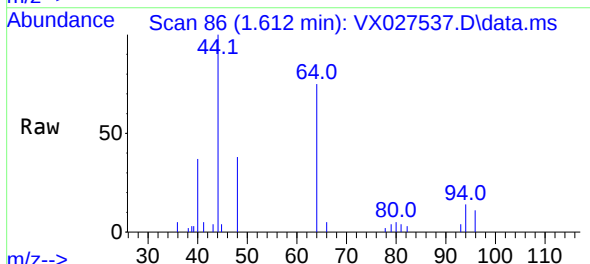
Instrument :
MSVOA_X
ClientSampleId :

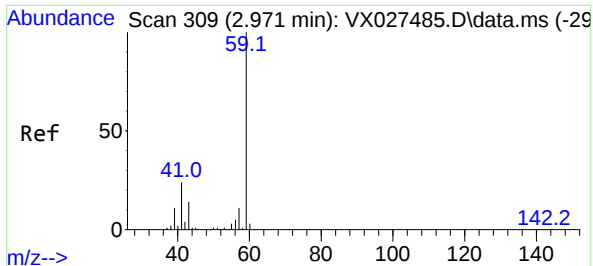
Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 77.5 75.3 112.9



#6
Chloroethane
Concen: 2.440 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.067 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 64 Resp: 4884
Ion Ratio Lower Upper
64 100
66 8.9 25.3 37.9#

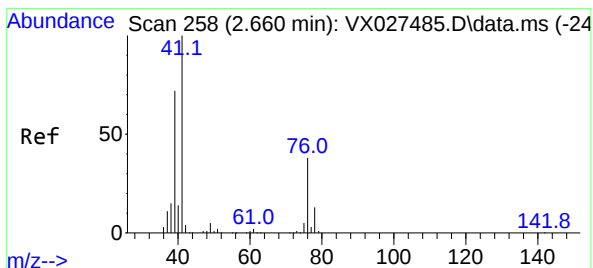
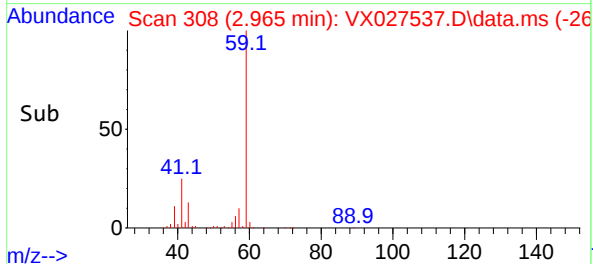
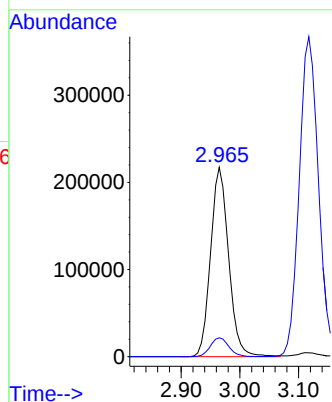
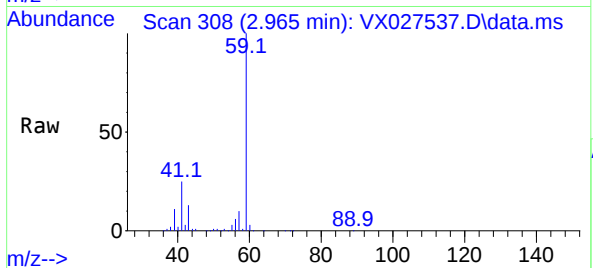




#11
Tert butyl alcohol
Concen: 596.143 ug/l
RT: 2.965 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

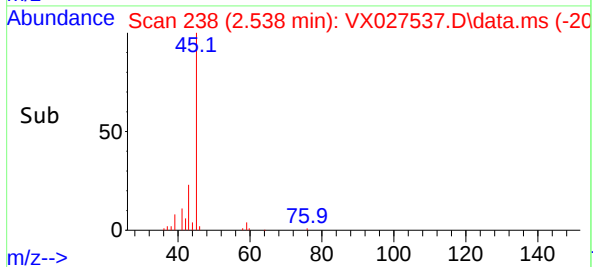
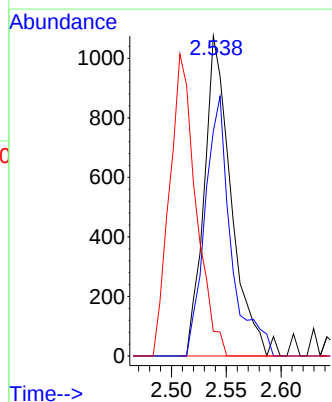
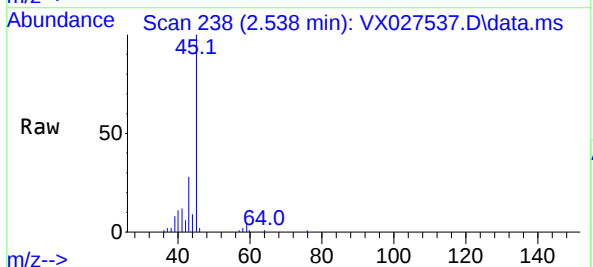
Instrument :
MSVOA_X
ClientSampleId :

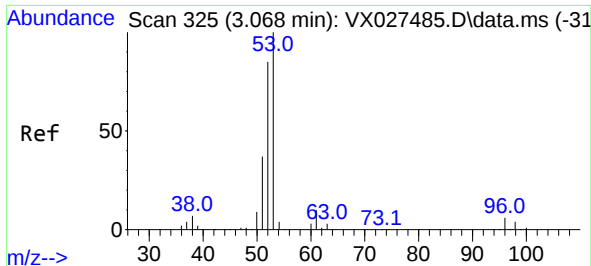
Tgt Ion: 59 Resp: 463663
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#14
Allyl chloride
Concen: 0.384 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.122 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 41 Resp: 1850
Ion Ratio Lower Upper
41 100
39 78.0 50.4 75.6#
76 0.0 32.7 49.1#

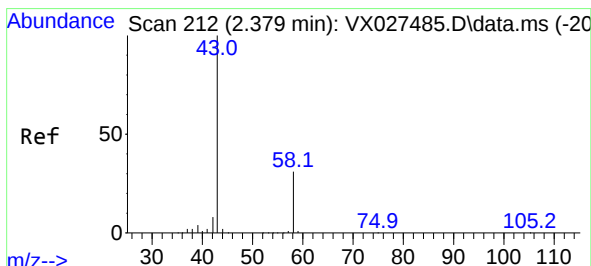
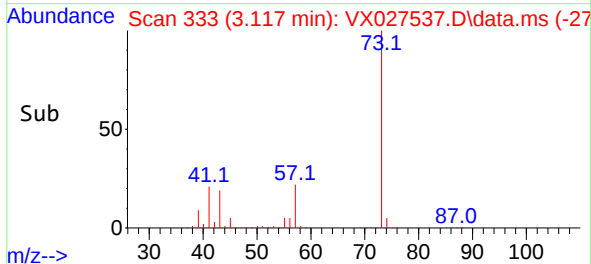
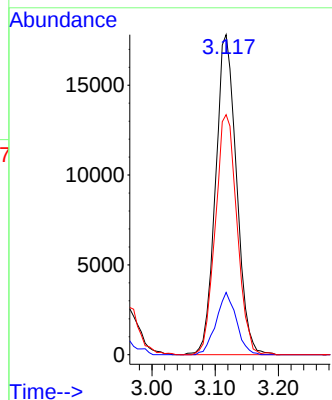
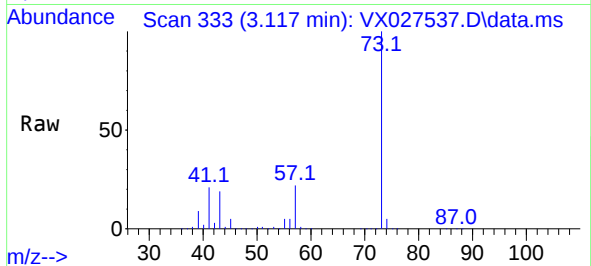




#15
Acrylonitrile
Concen: 23.186 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.049 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

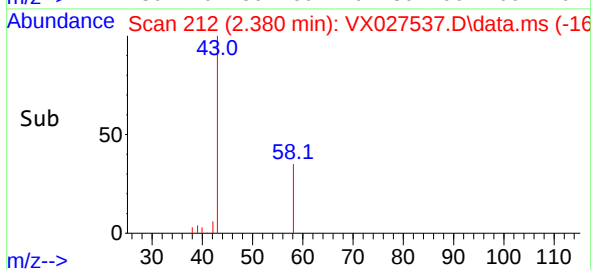
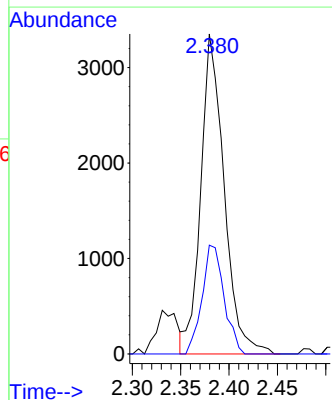
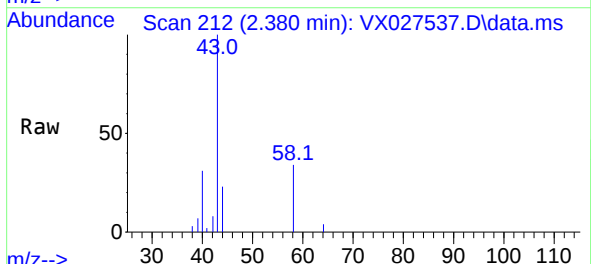
Instrument :
MSVOA_X
ClientSampleId :

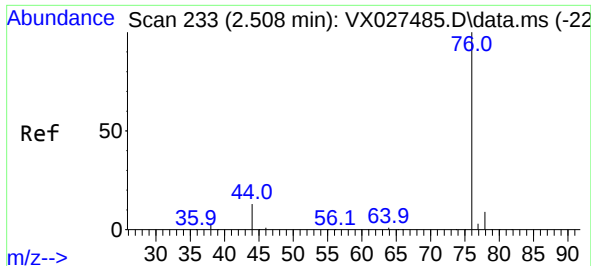
Tgt Ion: 53 Resp: 40999
Ion Ratio Lower Upper
53 100
52 18.8 65.7 98.5#
51 77.5 28.4 42.6#



#16
Acetone
Concen: 3.378 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

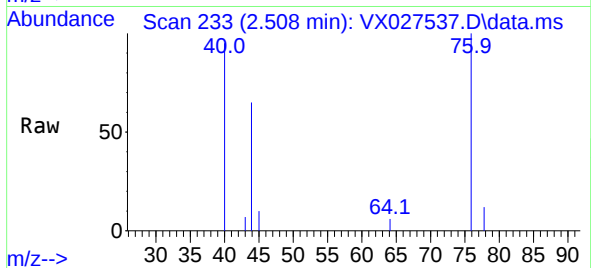
Tgt Ion: 43 Resp: 5619
Ion Ratio Lower Upper
43 100
58 34.0 28.8 43.2



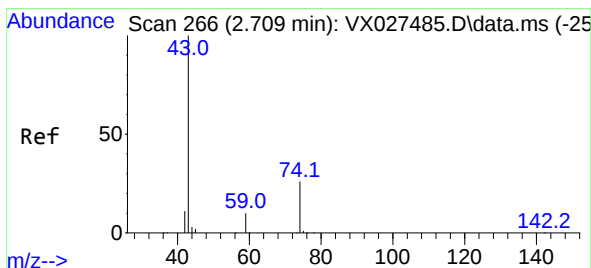
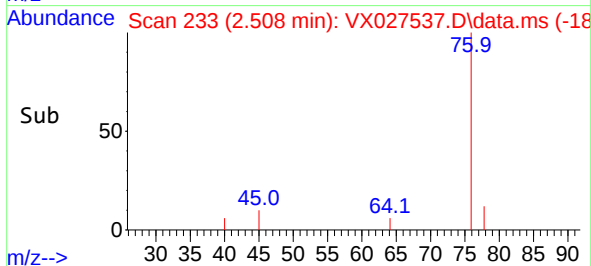
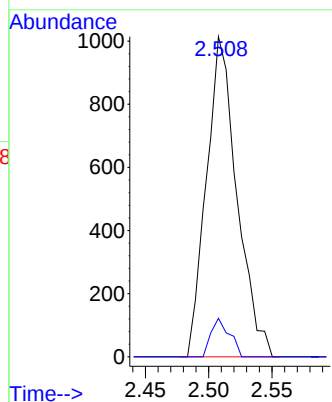


#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Instrument :
MSVOA_X
ClientSampleId :

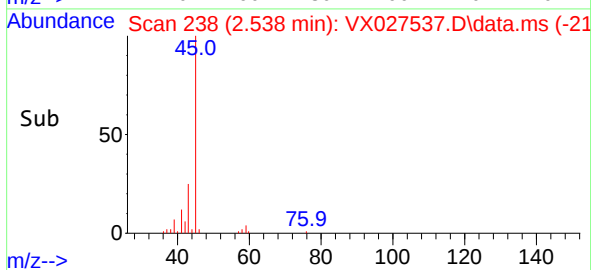
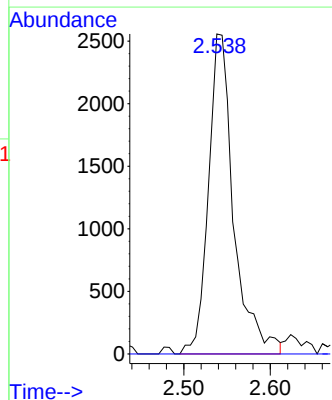
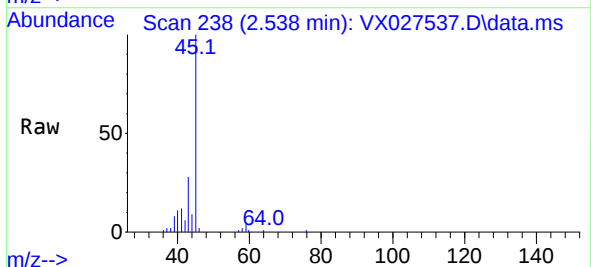


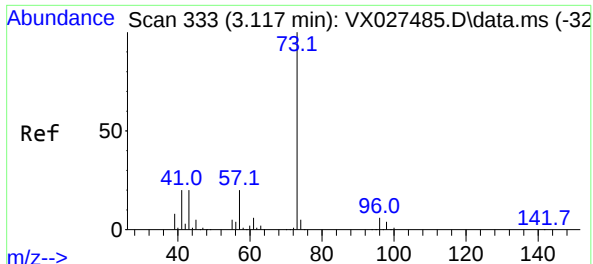
Tgt Ion: 76 Resp: 1703
Ion Ratio Lower Upper
76 100
78 12.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.298 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.171 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 43 Resp: 5176
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#





#19

Methyl tert-butyl Ether

Concen: 376.825 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027537.D

Acq: 18 Mar 2022 18:52

Instrument :

MSVOA_X

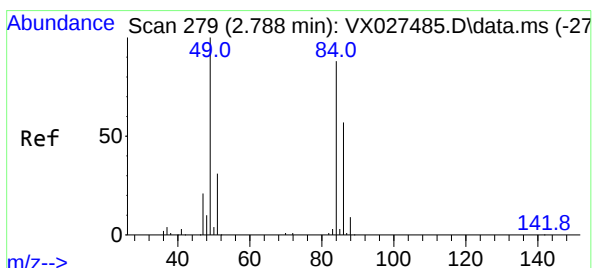
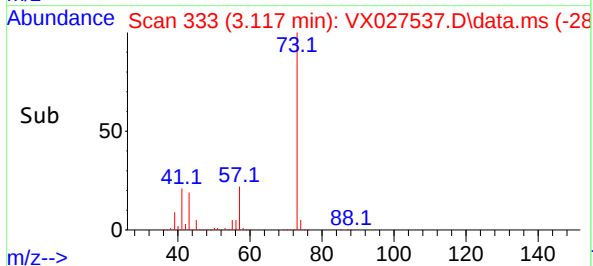
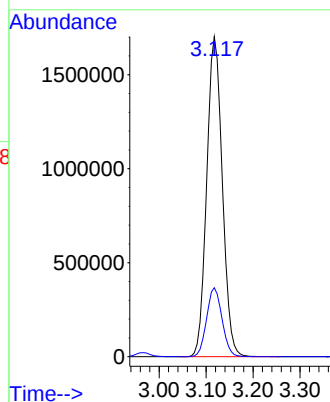
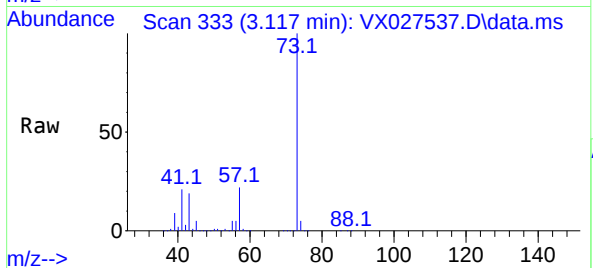
ClientSampleId :

Tgt Ion: 73 Resp: 3911011

Ion Ratio Lower Upper

73 100

57 21.6 16.8 25.2



#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX027537.D

Acq: 18 Mar 2022 18:52

Tgt Ion: 84 Resp: 747

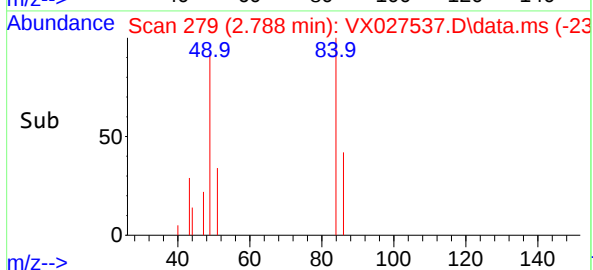
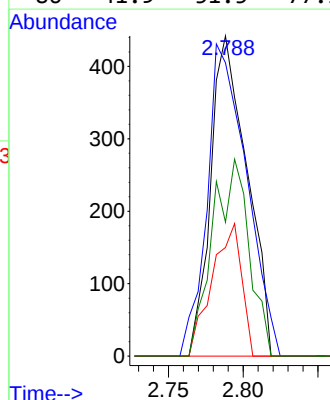
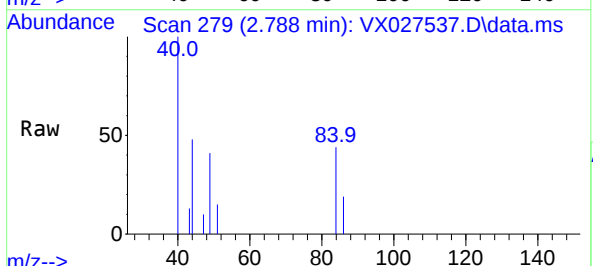
Ion Ratio Lower Upper

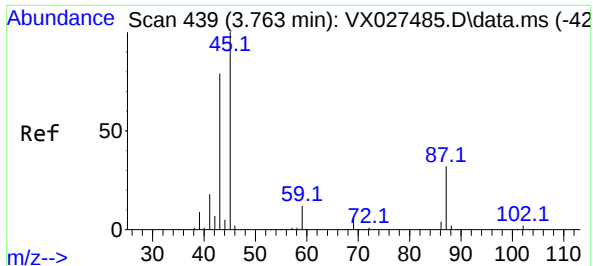
84 100

49 91.6 85.5 128.3

51 33.9 26.6 39.8

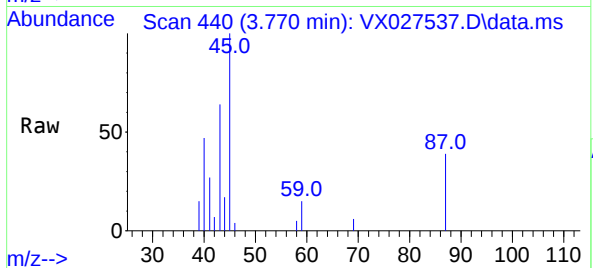
86 41.9 51.5 77.3#





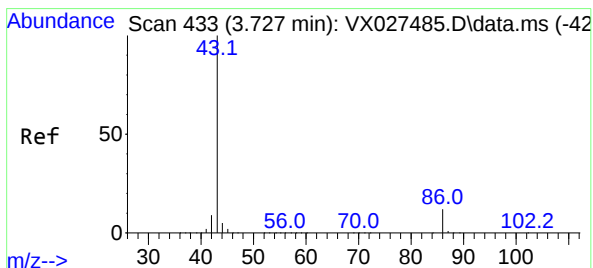
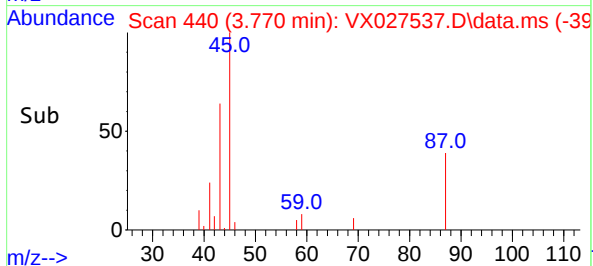
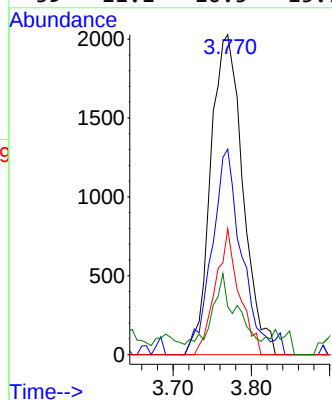
#22
Diisopropyl ether
Concen: 0.615 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 45 Resp: 5779

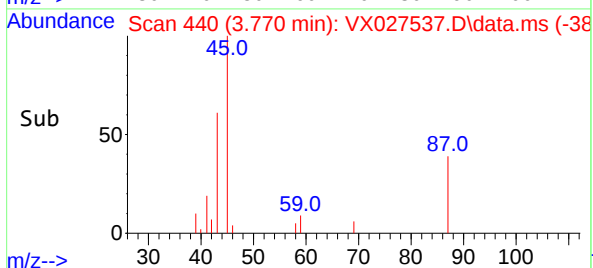
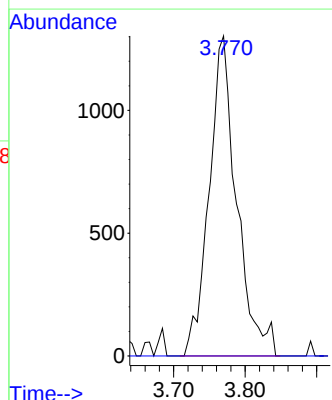
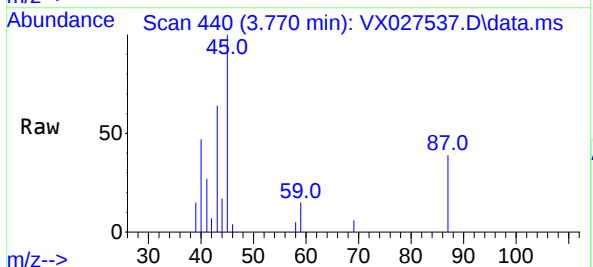
Ion	Ratio	Lower	Upper
45	100		
43	64.3	50.8	76.2
87	39.3	26.6	39.8
59	11.1	10.5	15.7

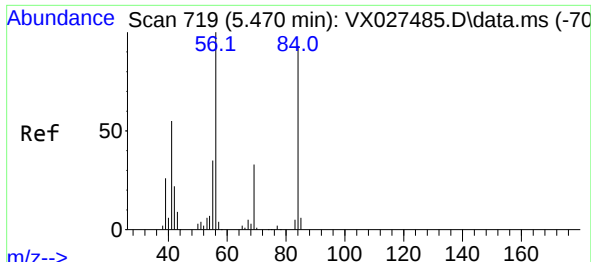


#23
Vinyl Acetate
Concen: 0.426 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.043 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 43 Resp: 3481

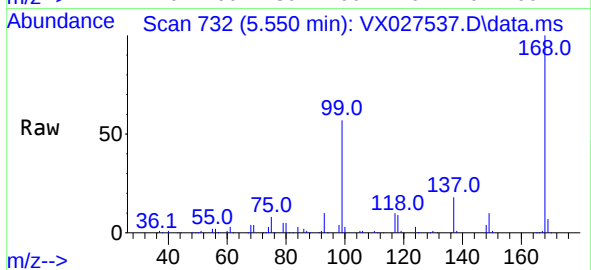
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#



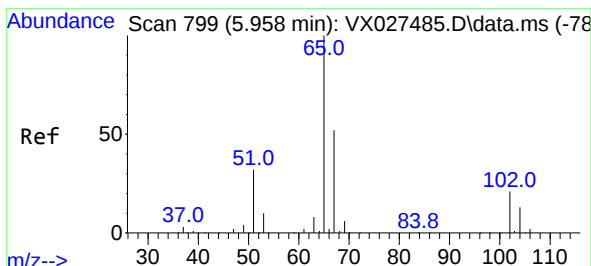
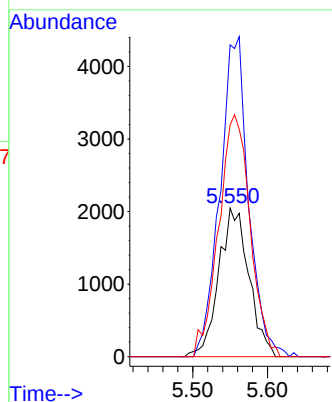
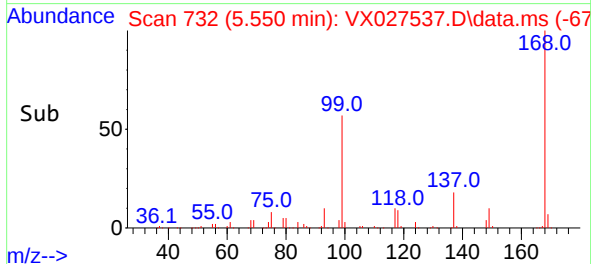


#31
Cyclohexane
Concen: 1.131 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Instrument :
MSVOA_X
ClientSampleId :

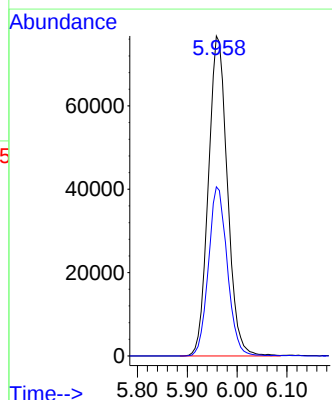
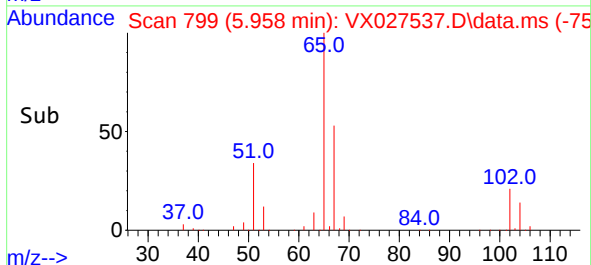
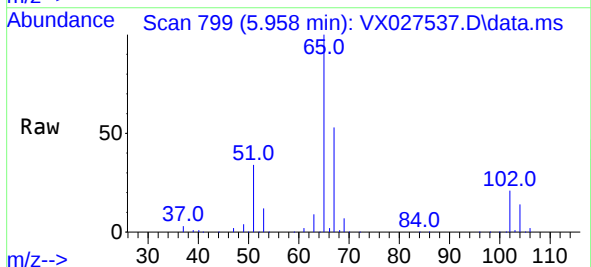


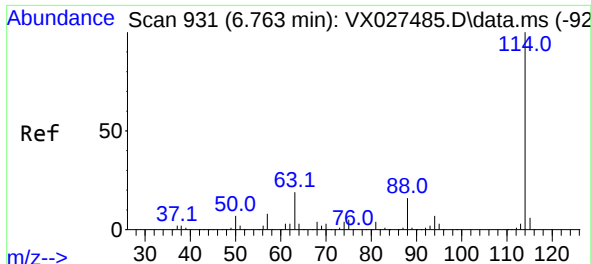
Tgt Ion: 56 Resp: 5732
Ion Ratio Lower Upper
56 100
69 210.0 26.7 40.1#
84 156.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.833 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 65 Resp: 203373
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

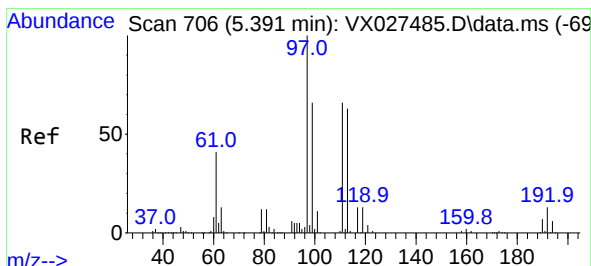
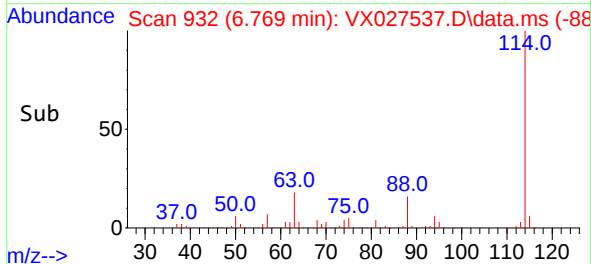
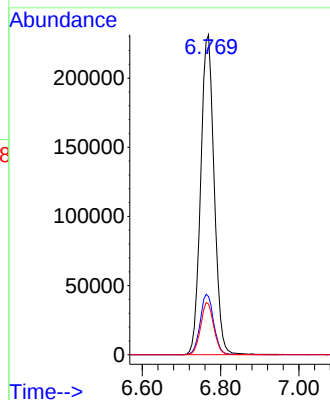
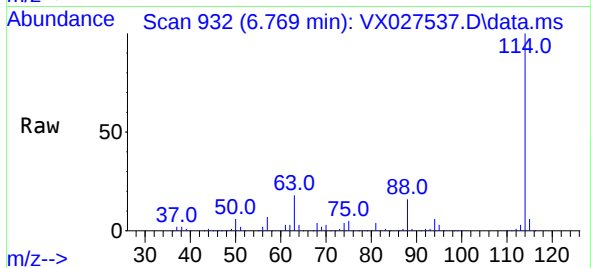




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

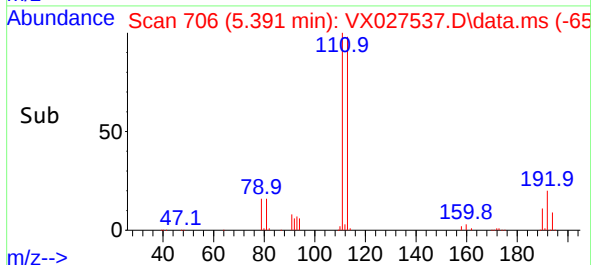
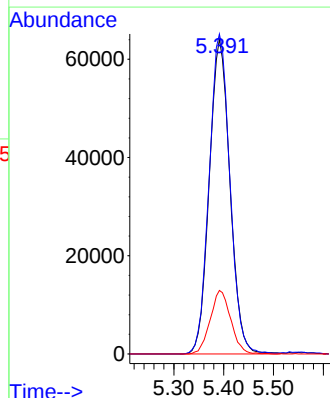
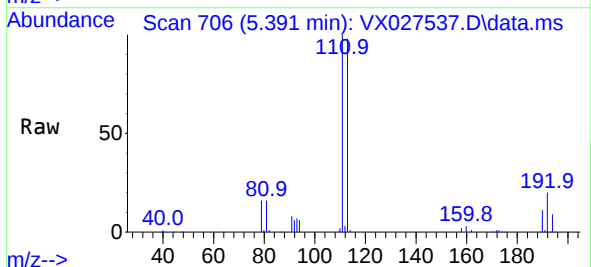
Instrument :
MSVOA_X
ClientSampleId :

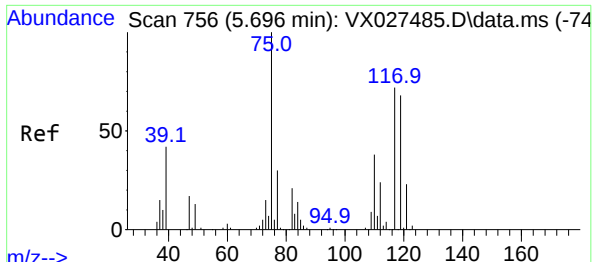
Tgt Ion:114 Resp: 554038
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.746 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

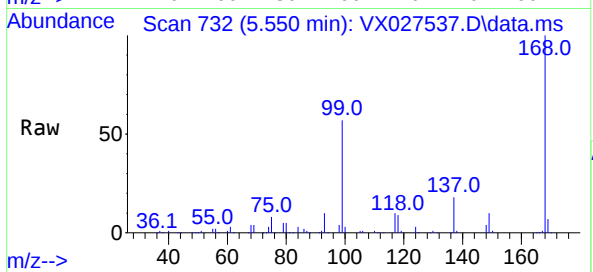
Tgt Ion:113 Resp: 184451
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 20.0 16.9 25.3



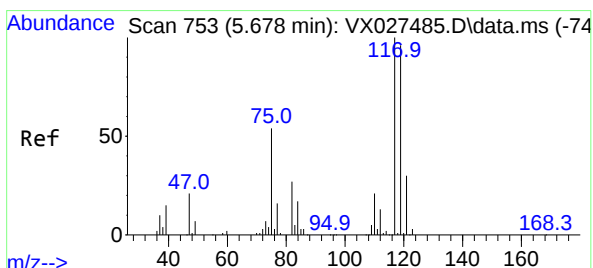
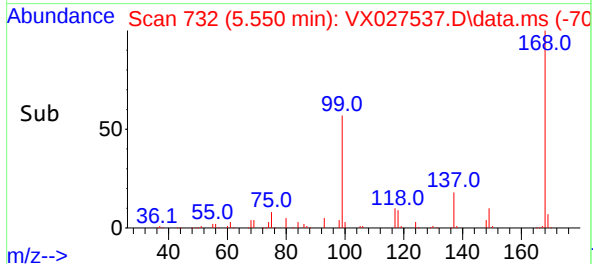
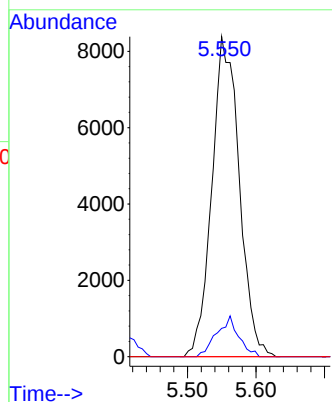


#36
1,1-Dichloropropene
Concen: 4.773 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Instrument :
MSVOA_X
ClientSampleId :

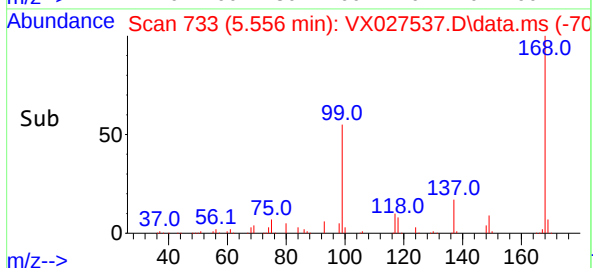
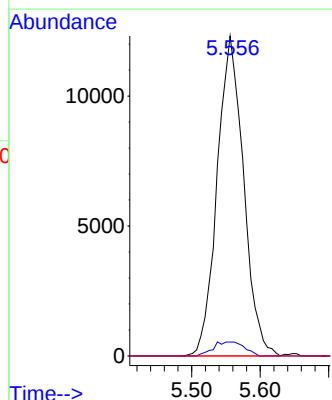
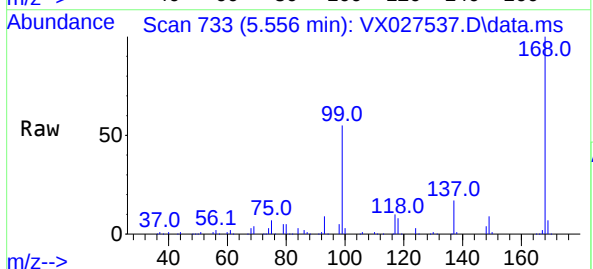


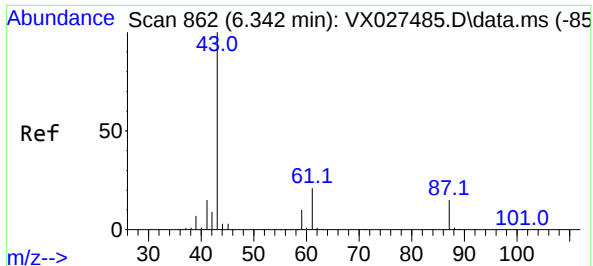
Tgt Ion: 75 Resp: 23248
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 117 Resp: 32922
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#

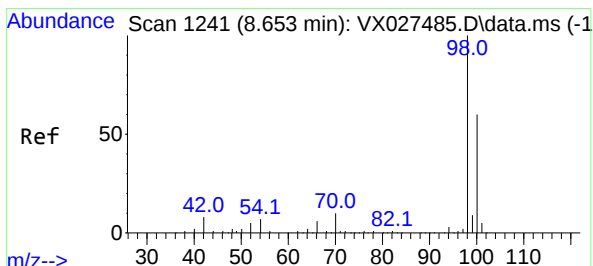
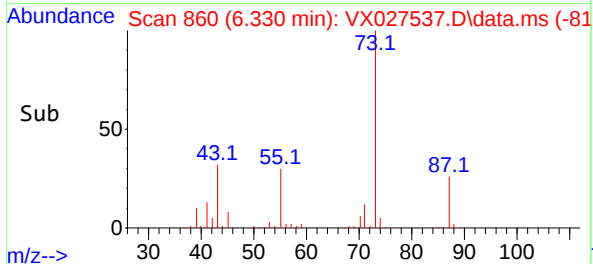
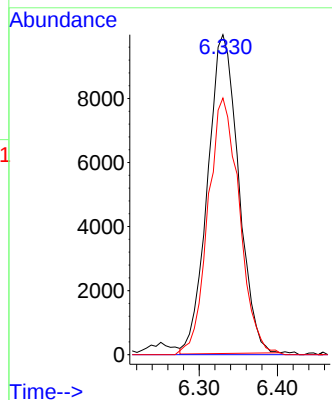
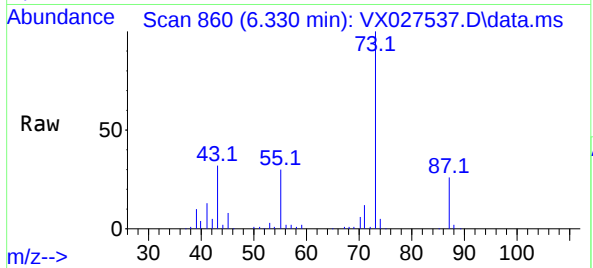




#43
Isopropyl Acetate
Concen: 3.490 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

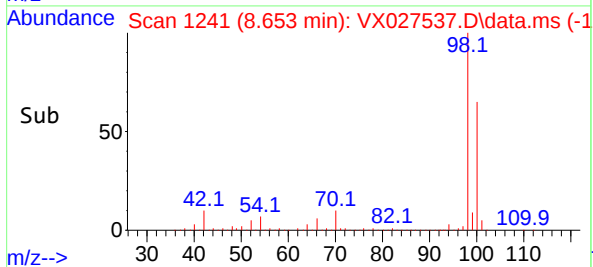
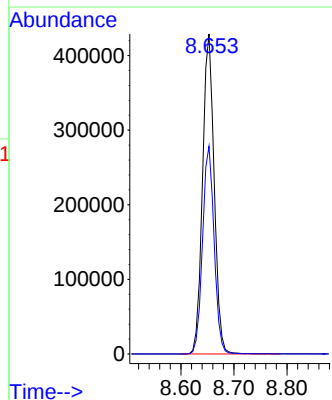
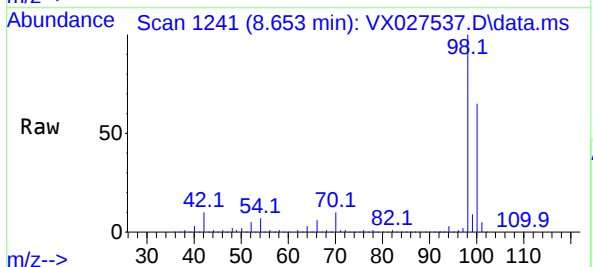
Instrument :
MSVOA_X
ClientSampleId :

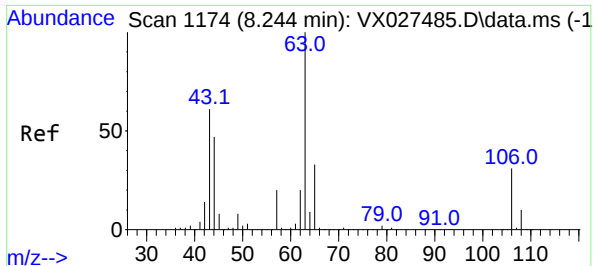
Tgt Ion: 43 Resp: 27262
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 81.8 13.0 19.6#



#50
Toluene-d8
Concen: 48.490 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

Tgt Ion: 98 Resp: 654068
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 8.177 min Scan# 1163

Delta R.T. -0.067 min

Lab File: VX027537.D

Acq: 18 Mar 2022 18:52

Instrument :

MSVOA_X

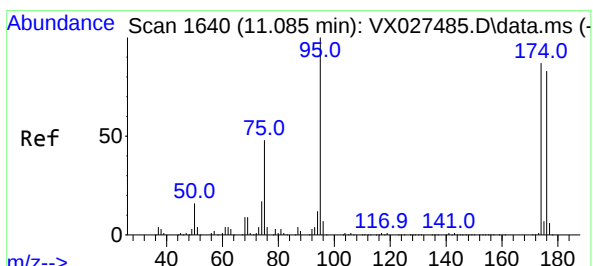
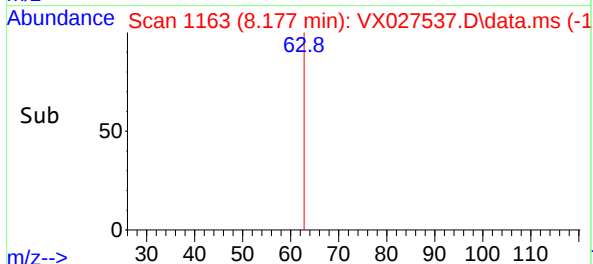
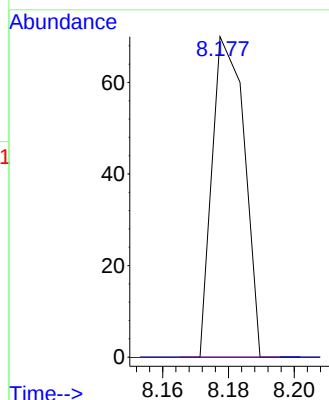
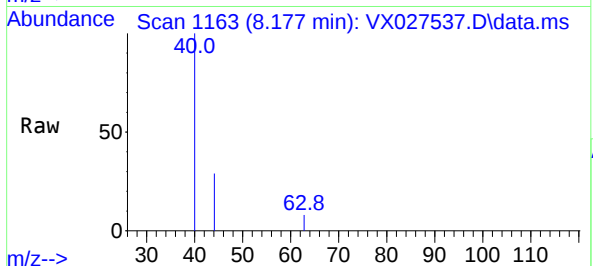
ClientSampleId :

Tgt Ion: 63 Resp: 48

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



#62

4-Bromofluorobenzene

Concen: 47.760 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027537.D

Acq: 18 Mar 2022 18:52

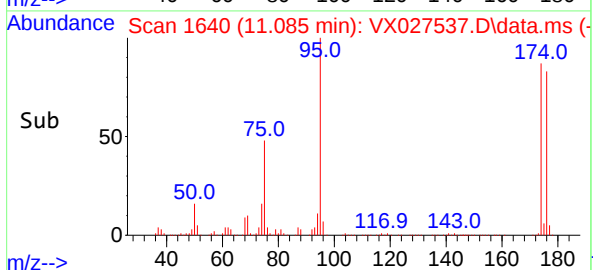
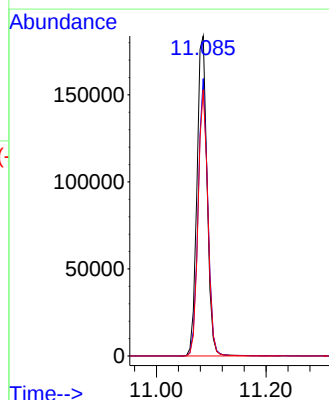
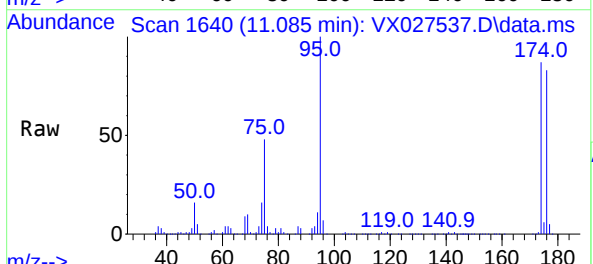
Tgt Ion: 95 Resp: 236789

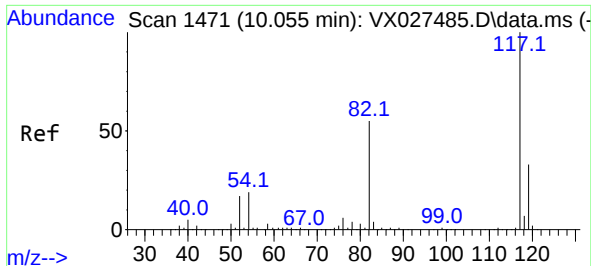
Ion Ratio Lower Upper

95 100

174 82.9 0.0 163.0

176 80.2 0.0 155.0

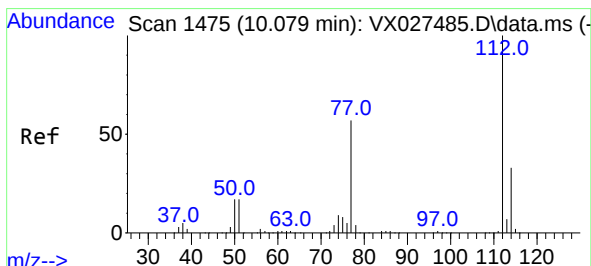
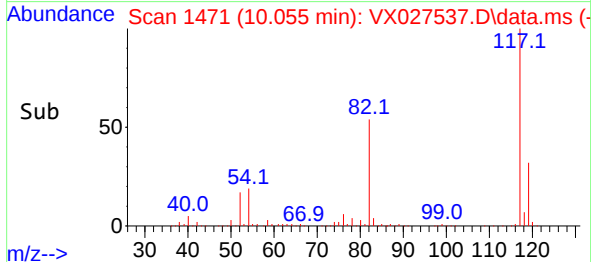
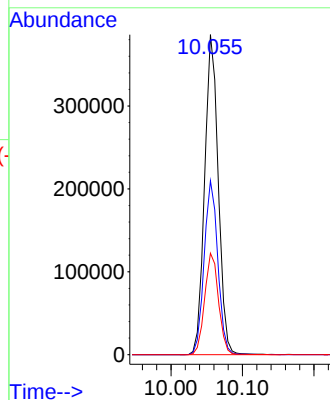
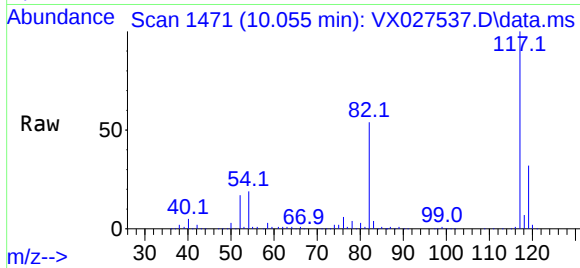




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

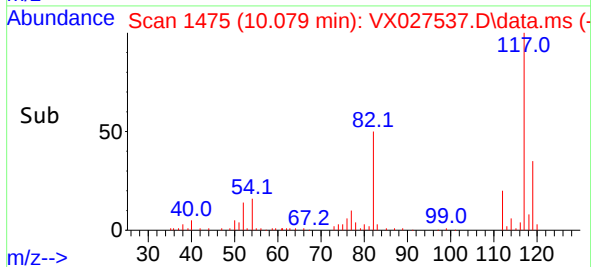
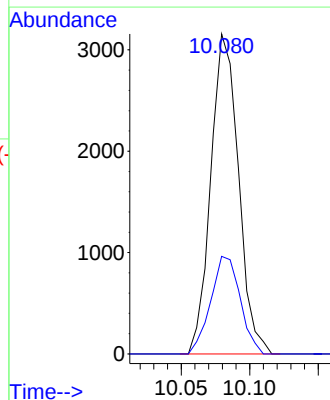
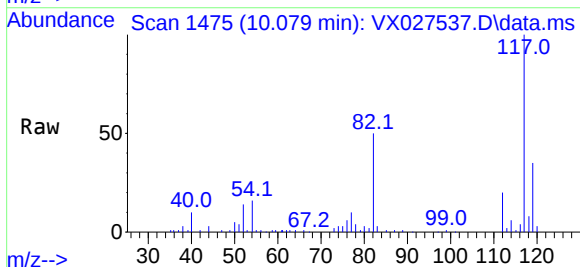
Instrument :
MSVOA_X
ClientSampleId :

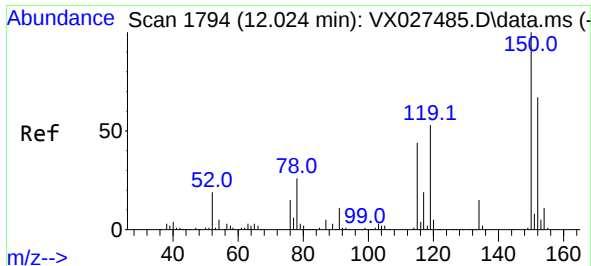
Tgt Ion:117 Resp: 511266
Ion Ratio Lower Upper
117 100
82 54.4 41.8 62.8
119 31.7 24.8 37.2



#65
Chlorobenzene
Concen: 0.421 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

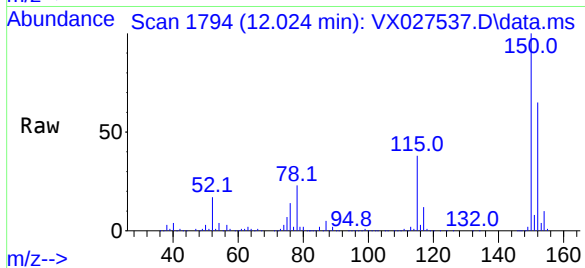
Tgt Ion:112 Resp: 4427
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.8



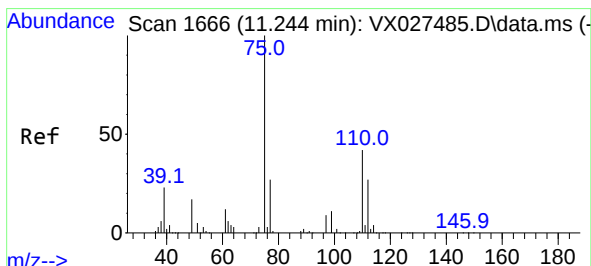
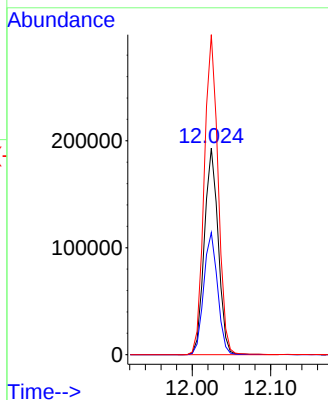
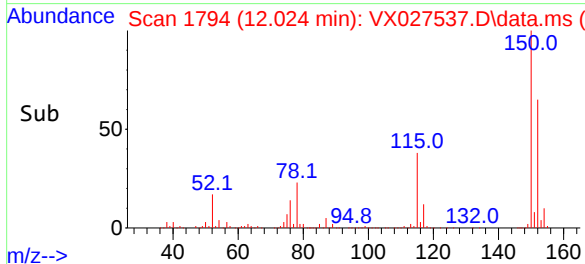


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52

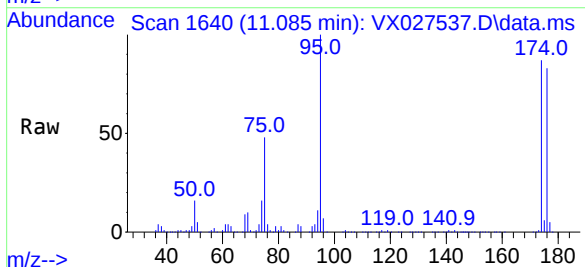
Instrument :
MSVOA_X
ClientSampleId :



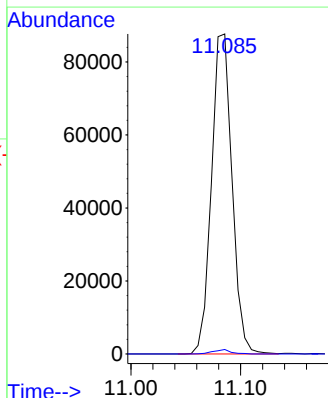
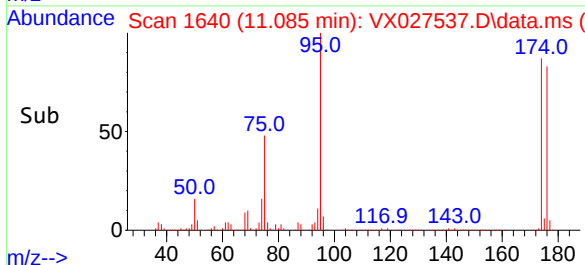
Tgt Ion:152 Resp: 236861
Ion Ratio Lower Upper
152 100
115 59.0 37.5 112.7
150 155.0 0.0 338.2

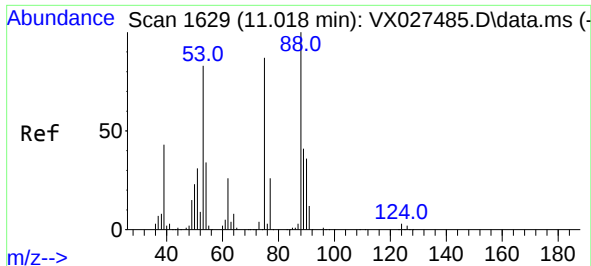


#76
1,2,3-Trichloropropane
Concen: 23.065 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027537.D
Acq: 18 Mar 2022 18:52



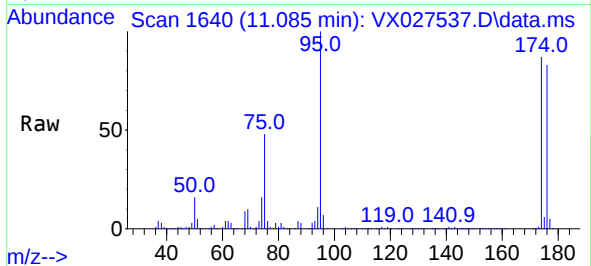
Tgt Ion: 75 Resp: 114272
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.049 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX027537.D
 Acq: 18 Mar 2022 18:52

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 114272
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

