

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028540.D
 Acq On : 06 May 2022 11:21
 Operator : JC/MD
 Sample : VX0506WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBL01

Quant Time: May 07 05:58:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

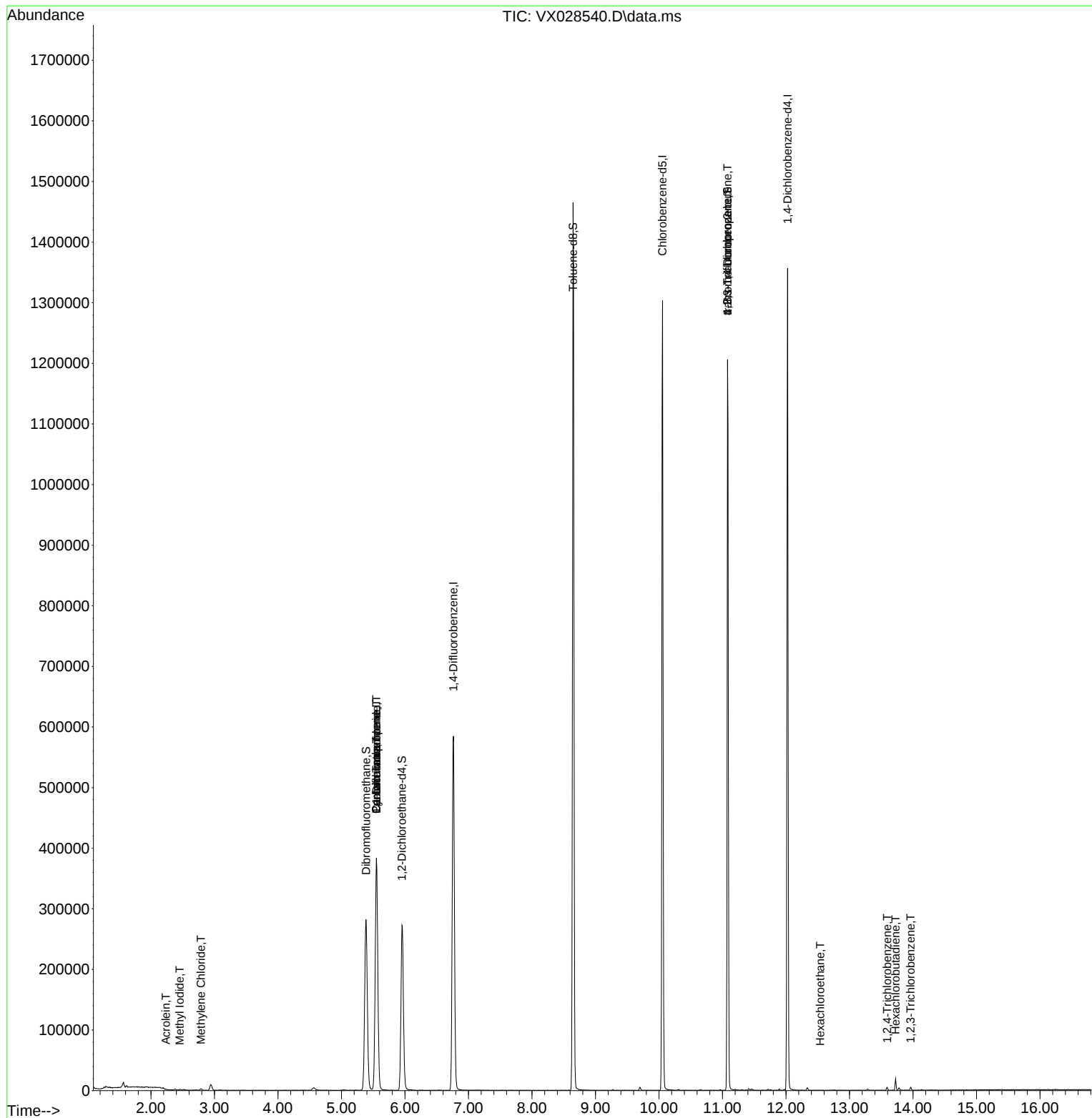
Internal Standards						
1) Pentafluorobenzene	5.550	168	376806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	640962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	604352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	286445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	257974	52.507	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.020%	
35) Dibromofluoromethane	5.385	113	245765	54.675	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.340%	
50) Toluene-d8	8.647	98	870593	50.427	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	11.079	95	310326	47.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 94.020%	
Target Compounds						Qvalue
3) Chloromethane	1.289	50	756	Below Cal		90
5) Bromomethane	1.618	94	1312	Below Cal		83
6) Chloroethane	1.648	64	304	Below Cal	#	43
8) Diethyl Ether	2.136	74	19	Below Cal	#	1
10) Methyl Iodide	2.453	142	1534	5.564	ug/l #	92
11) Tert butyl alcohol	2.941	59	5406	Below Cal	#	72
13) Acrolein	2.233	56	618	1.026	ug/l	88
16) Acetone	2.380	43	1589	Below Cal	#	81
20) Methylene Chloride	2.788	84	1096	0.301	ug/l #	88
31) Cyclohexane	5.550	56	7246	1.211	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	27033	4.611	ug/l #	50
38) Carbon Tetrachloride	5.550	117	36463	5.509	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	155149	27.521	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	155149	81.786	ug/l #	15
90) Hexachloroethane	12.536	117	133	1.854	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.591	180	1338	0.235	ug/l	95
94) Hexachlorobutadiene	13.725	225	2504	0.986	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1388	0.248	ug/l	95

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

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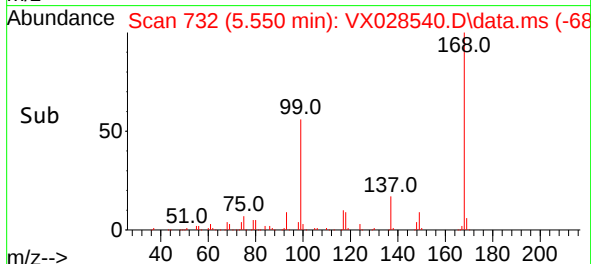
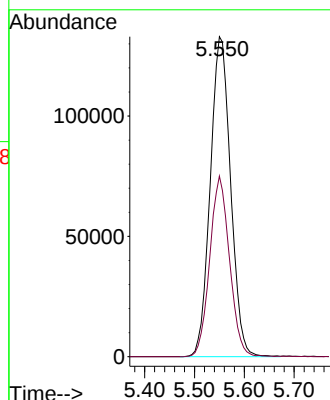
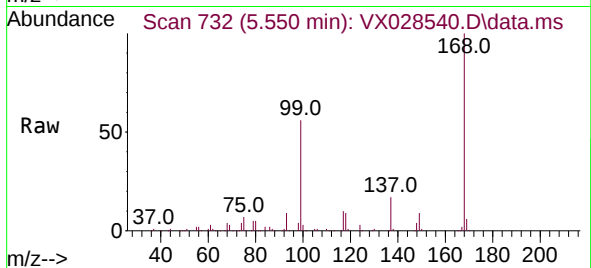




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

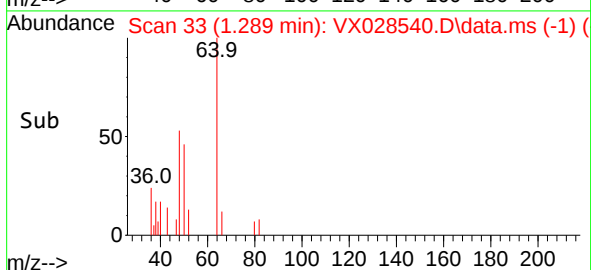
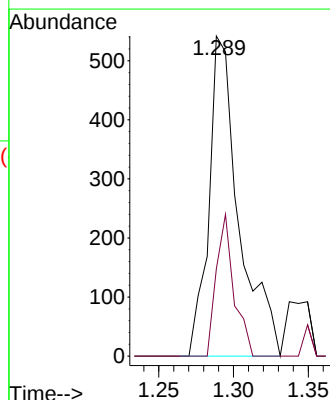
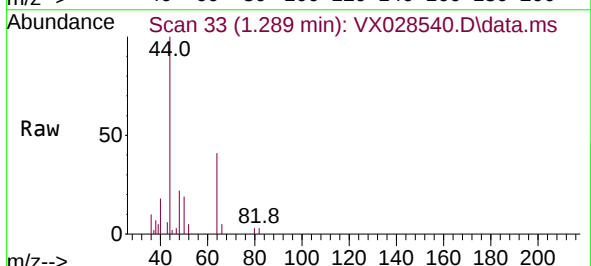
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

Tgt Ion:168 Resp: 376806
Ion Ratio Lower Upper
168 100
99 56.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.289 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 50 Resp: 756
Ion Ratio Lower Upper
50 100
52 27.3 26.4 39.6

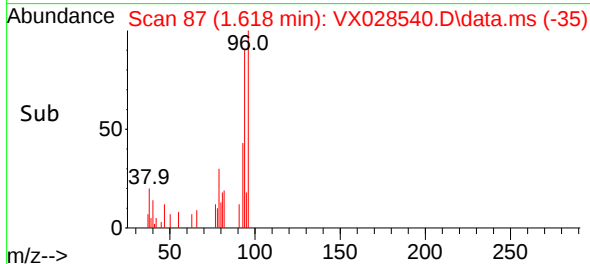
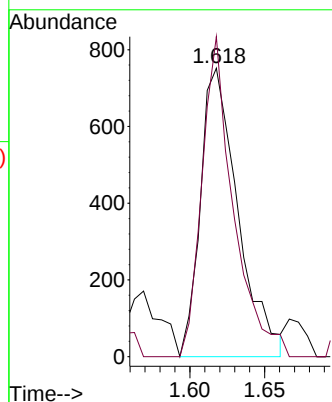
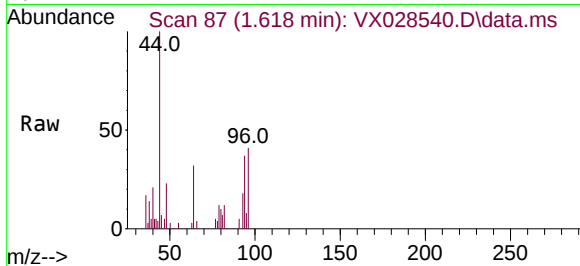




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

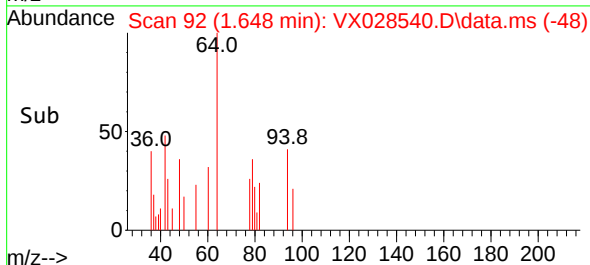
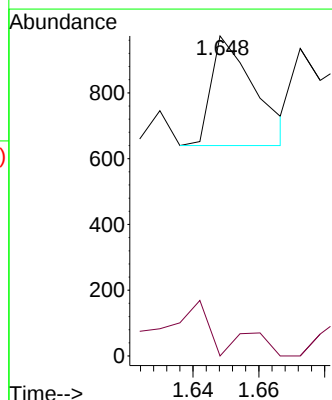
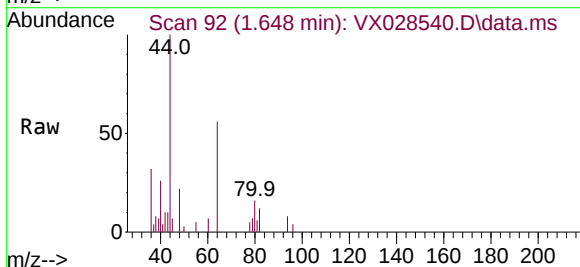
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

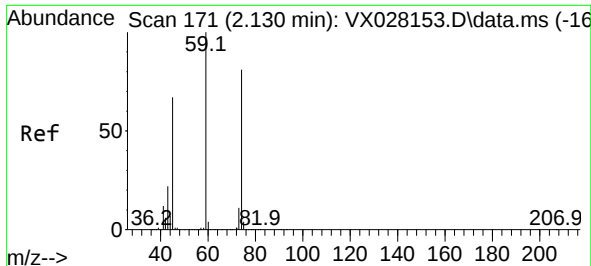
Tgt Ion: 94 Resp: 1312
Ion Ratio Lower Upper
94 100
96 110.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 64 Resp: 304
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

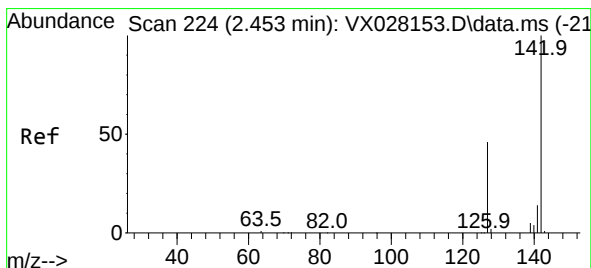
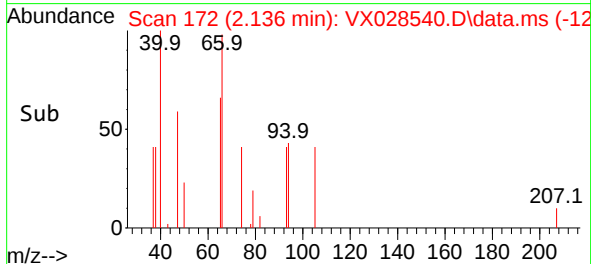
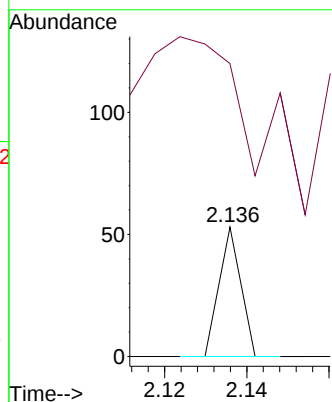
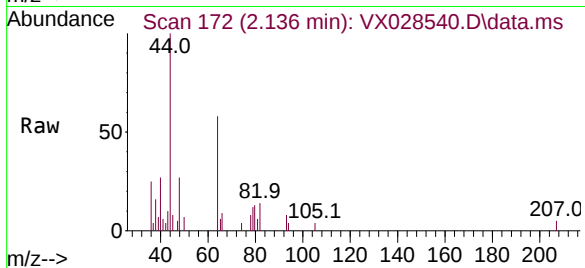




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

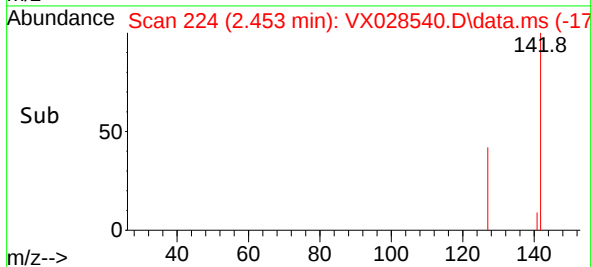
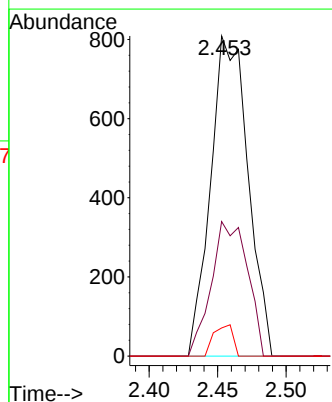
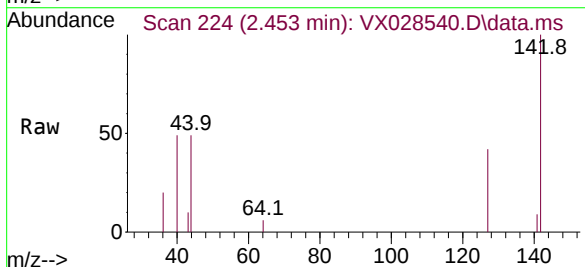
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

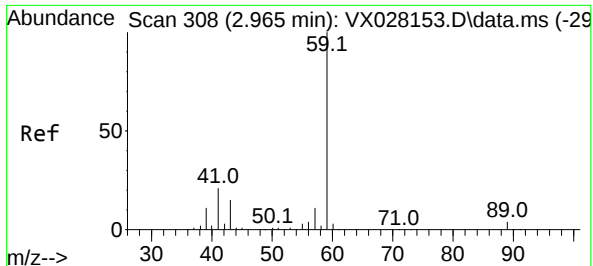
Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 1152.6 42.0 126.0#



#10
Methyl Iodide
Concen: 5.564 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 142 Resp: 1534
Ion Ratio Lower Upper
142 100
127 40.7 33.9 50.9
141 5.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 308

Delta R.T. -0.024 min

Lab File: VX028540.D

Acq: 06 May 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

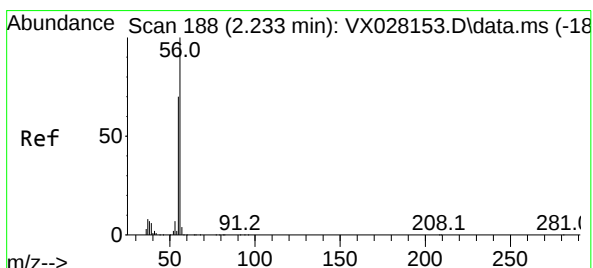
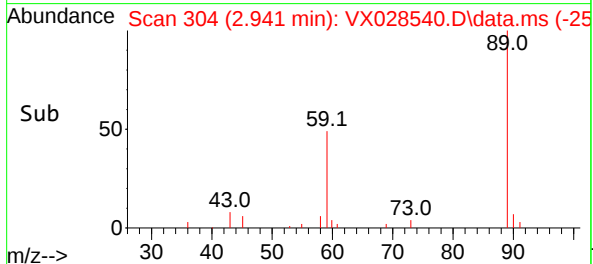
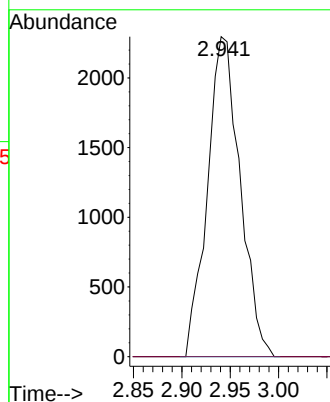
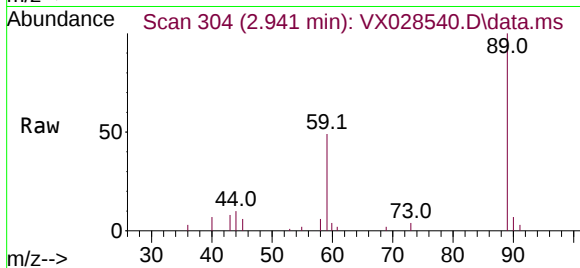
VX0506WBL01

Tgt Ion: 59 Resp: 5406

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 1.026 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX028540.D

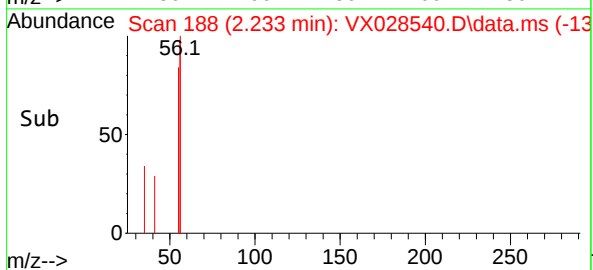
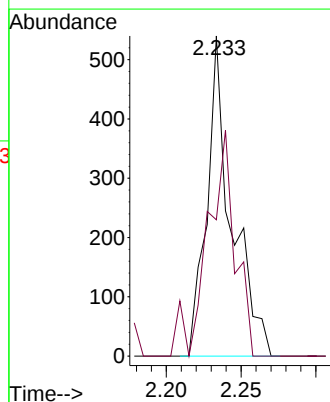
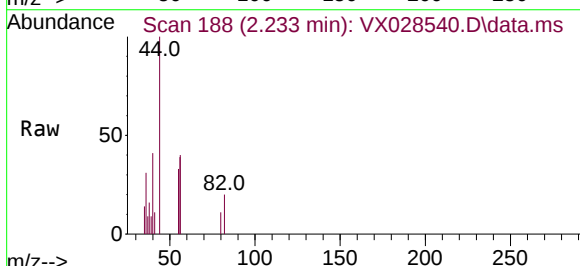
Acq: 06 May 2022 11:21

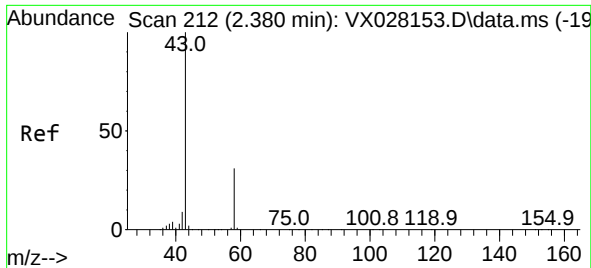
Tgt Ion: 56 Resp: 618

Ion Ratio Lower Upper

56 100

55 78.8 55.0 82.6

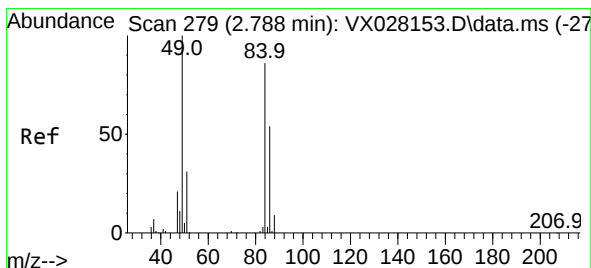
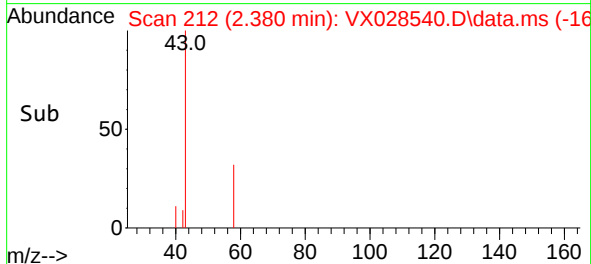
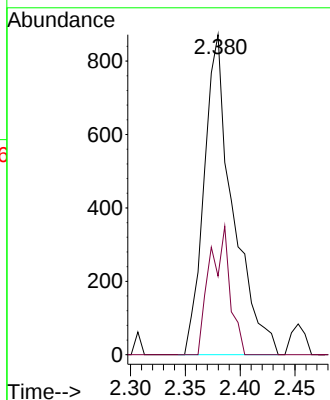
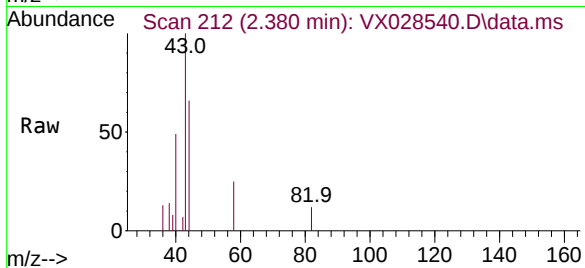




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

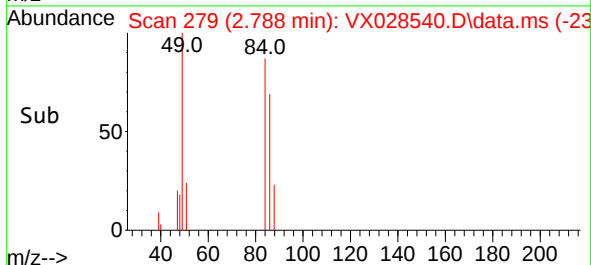
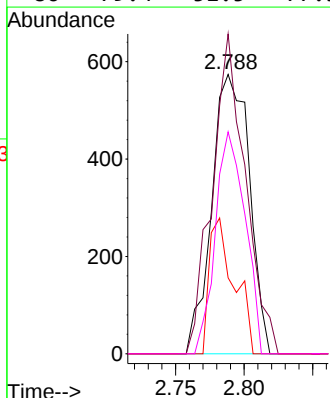
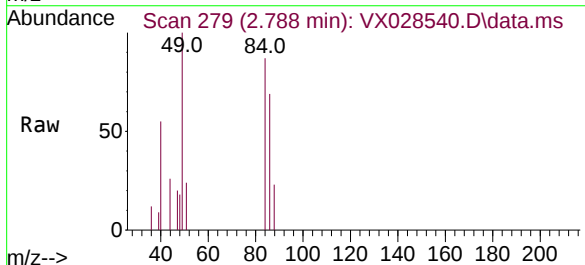
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

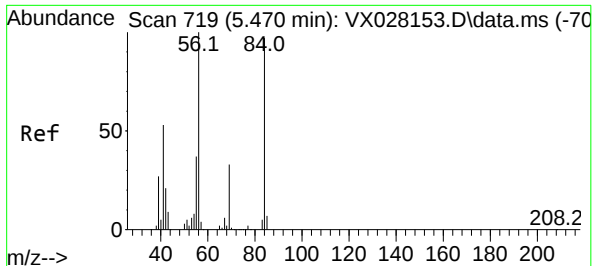
Tgt Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
58 24.5 28.8 43.2#



#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 84 Resp: 1096
Ion Ratio Lower Upper
84 100
49 114.5 85.5 128.3
51 27.2 26.6 39.8
86 79.4 51.5 77.3#

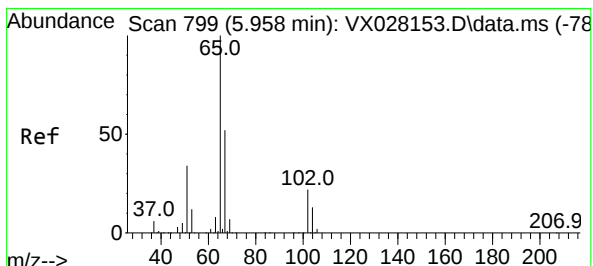
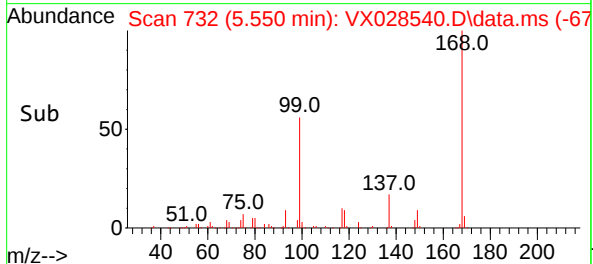
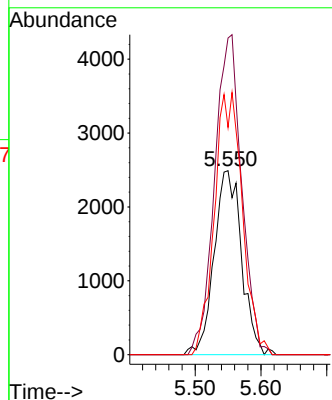
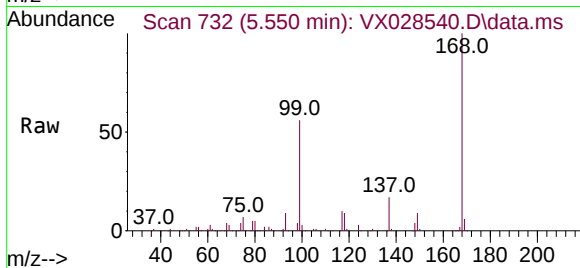




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

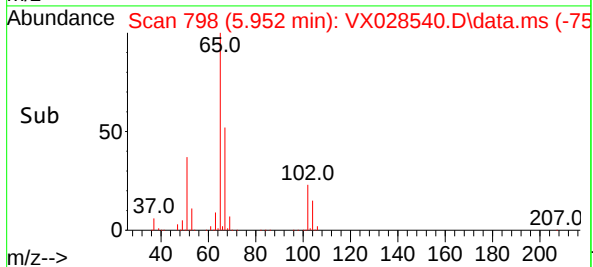
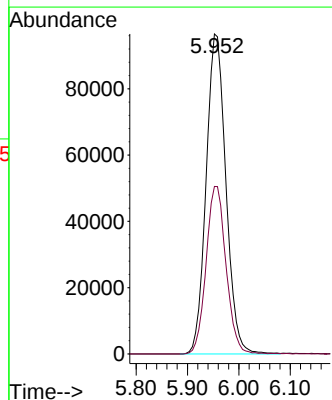
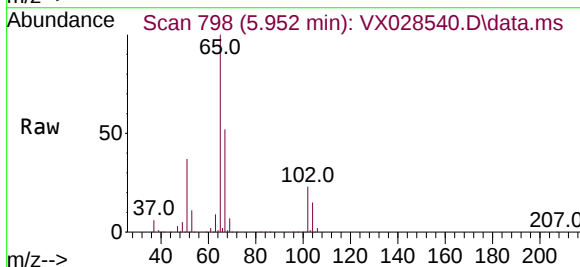
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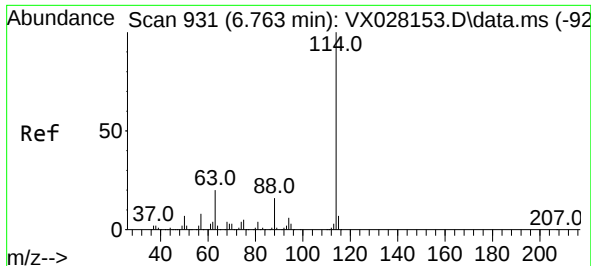
Tgt Ion: 56 Resp: 7246
Ion Ratio Lower Upper
56 100
69 172.0 26.7 40.1#
84 123.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 52.507 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 65 Resp: 257974
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4

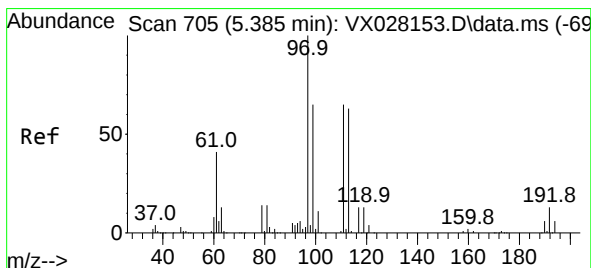
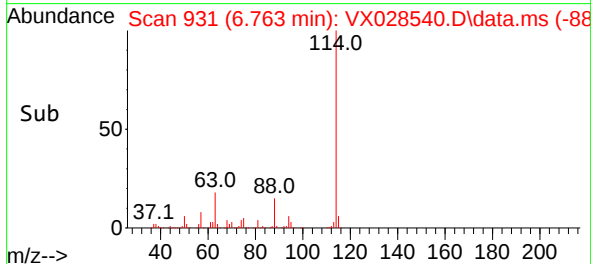
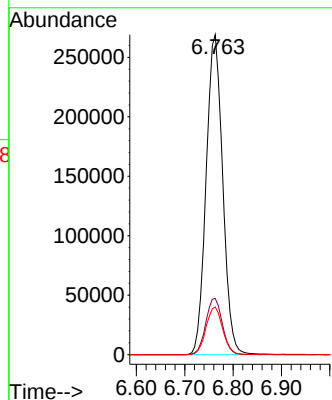
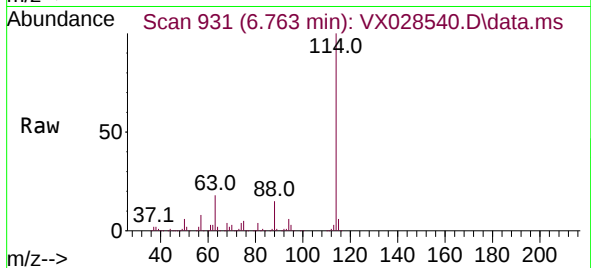




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

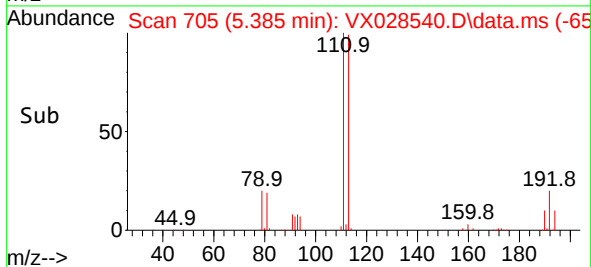
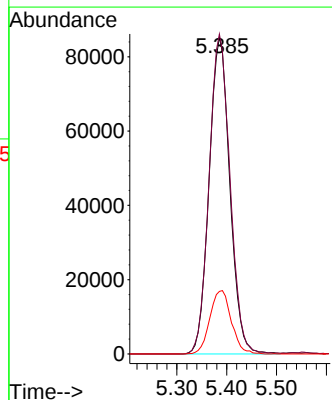
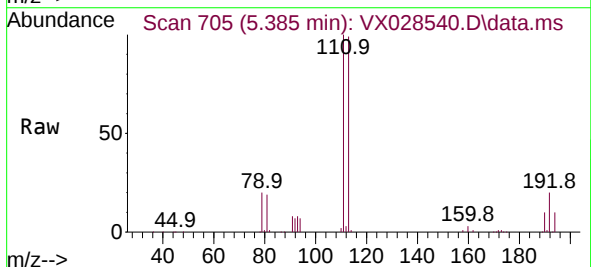
Instrument :
MSVOA_X
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VX0506WBL01

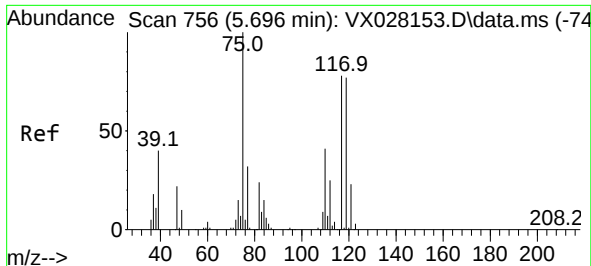
Tgt Ion:114 Resp: 640962
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.675 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion:113 Resp: 245765
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 20.7 16.9 25.3

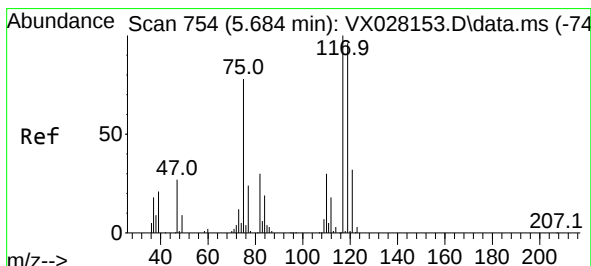
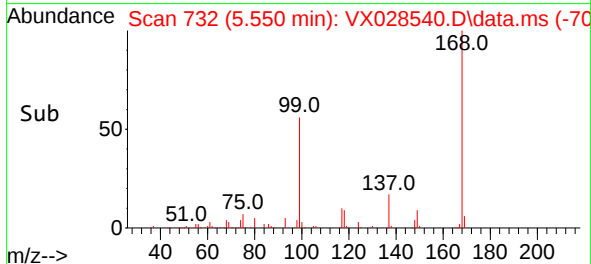
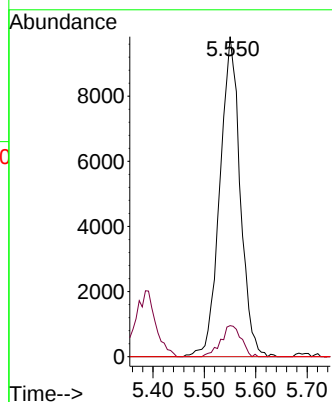
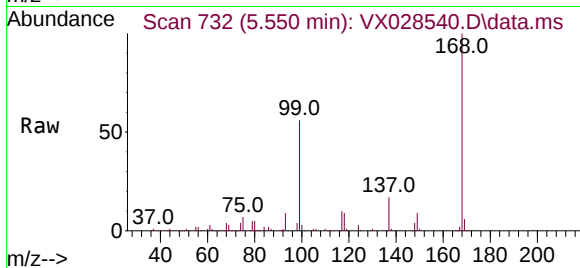




#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

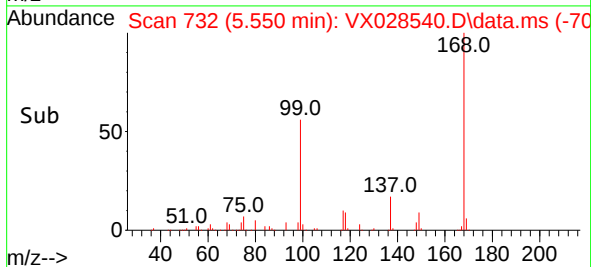
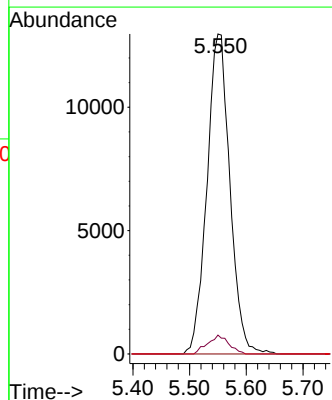
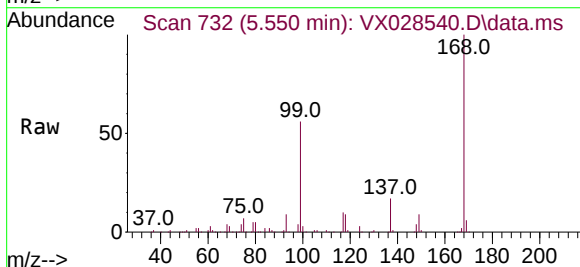
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

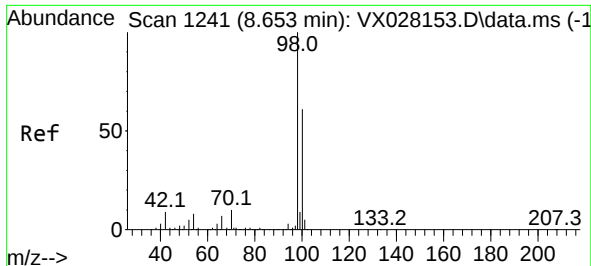
Tgt Ion: 75 Resp: 27033
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.509 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 117 Resp: 36463
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 24.2 36.2#

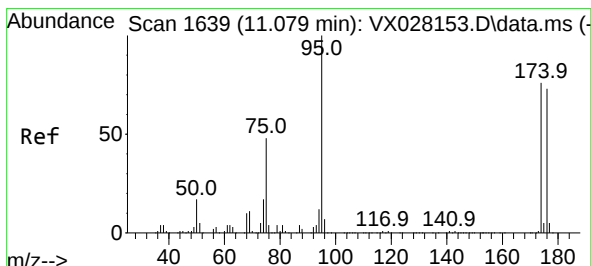
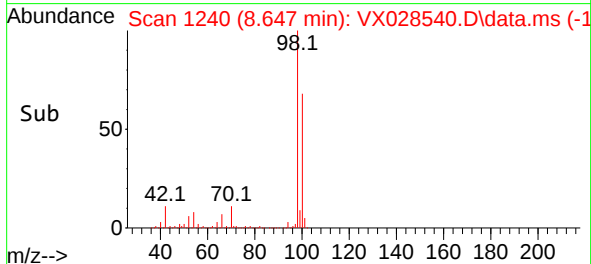
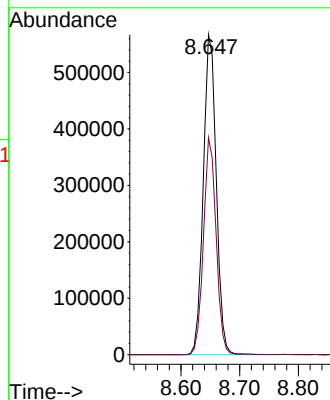
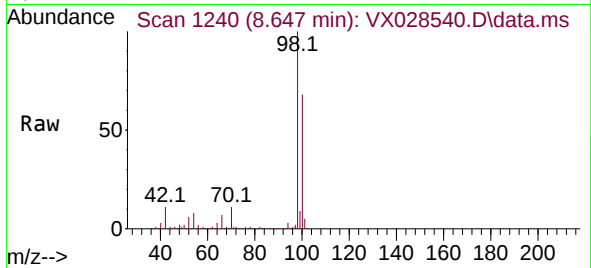




#50
Toluene-d8
Concen: 50.427 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

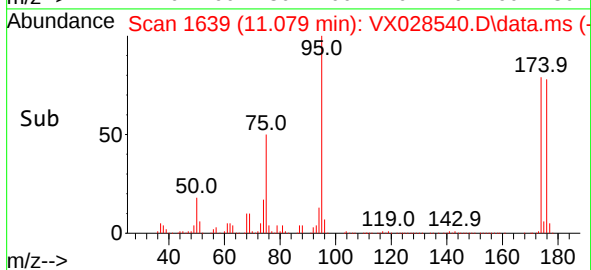
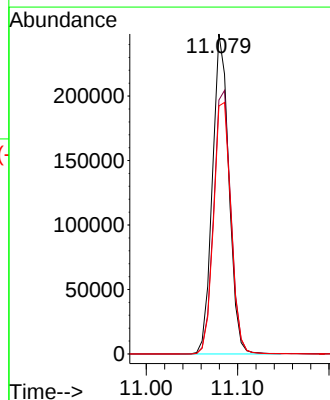
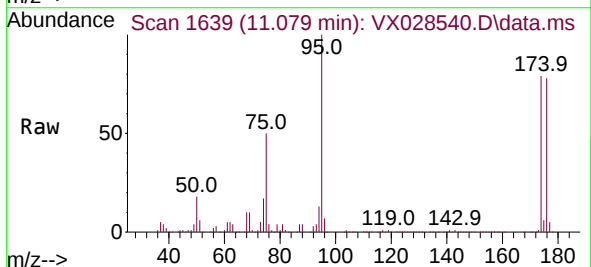
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

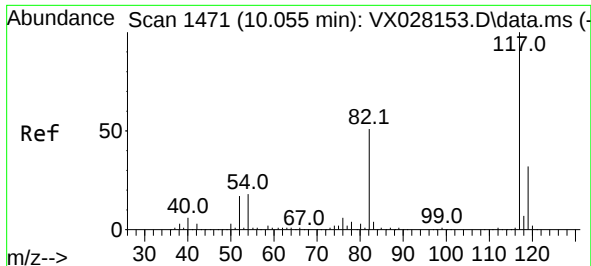
Tgt Ion: 98 Resp: 870593
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.010 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 95 Resp: 310326
Ion Ratio Lower Upper
95 100
174 86.2 0.0 163.0
176 83.3 0.0 155.0

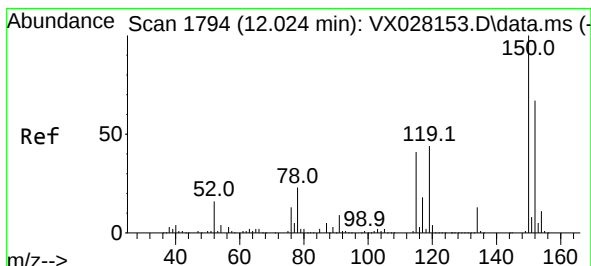
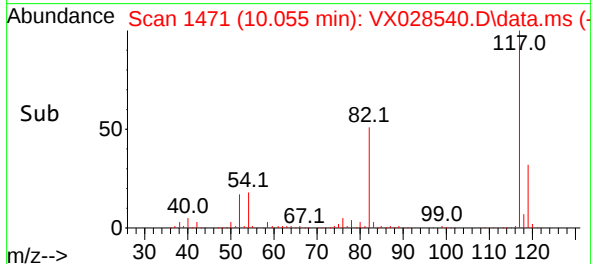
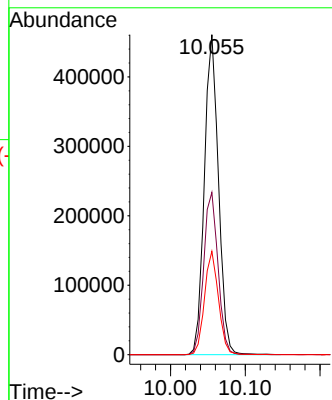
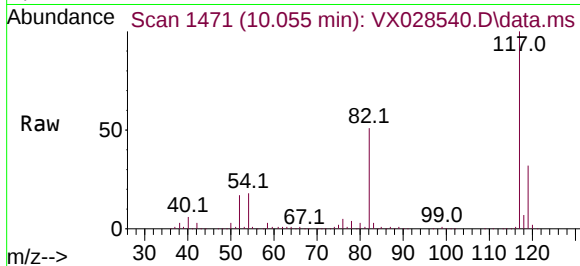




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

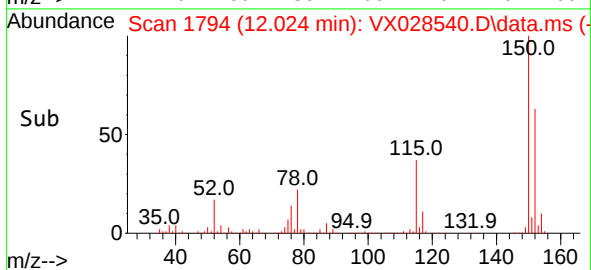
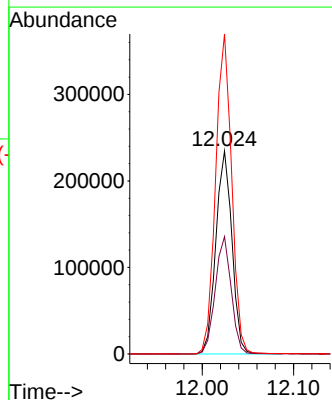
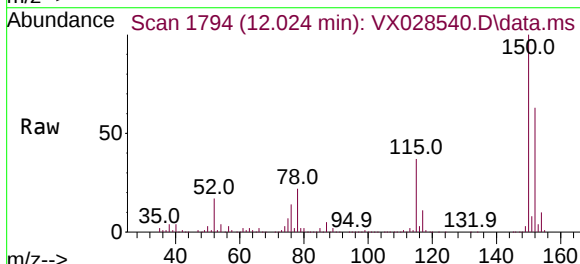
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

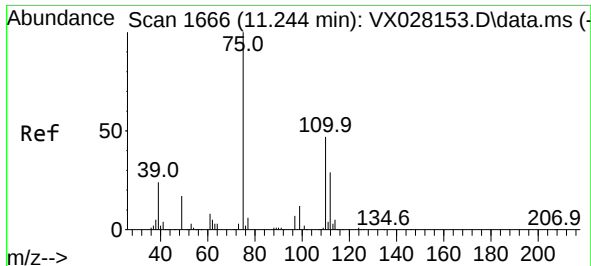
Tgt Ion:117 Resp: 604352
Ion Ratio Lower Upper
117 100
82 50.7 41.8 62.8
119 32.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion:152 Resp: 286445
Ion Ratio Lower Upper
152 100
115 57.6 37.5 112.7
150 157.5 0.0 338.2

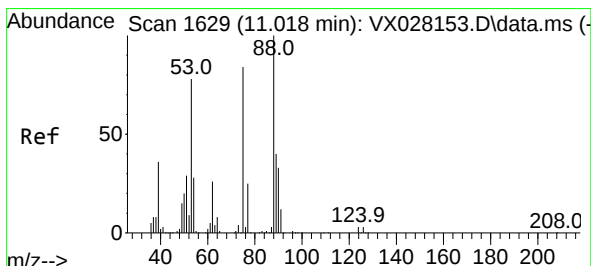
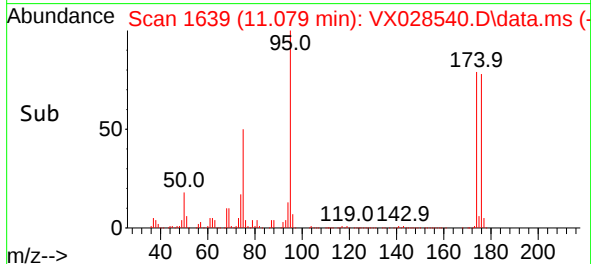
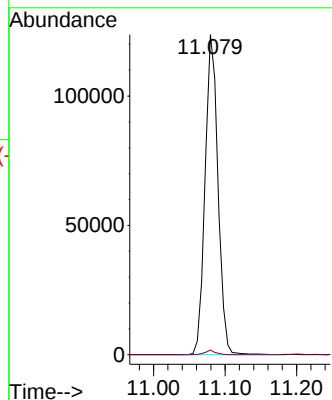
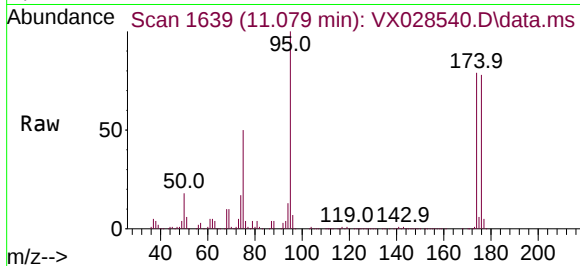




#76
1,2,3-Trichloropropane
Concen: 27.521 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

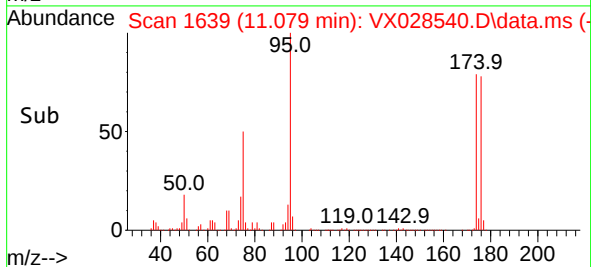
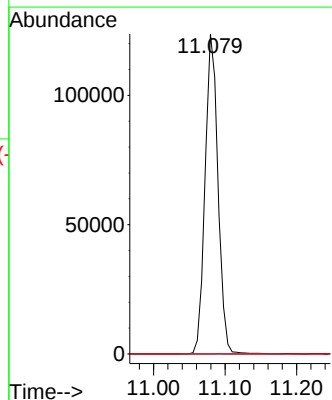
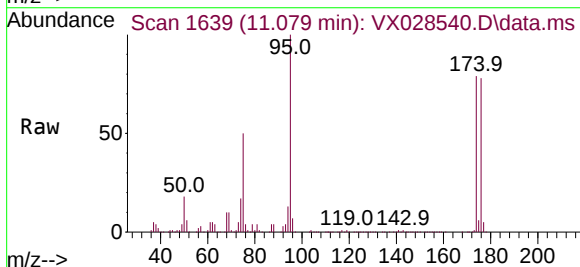
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

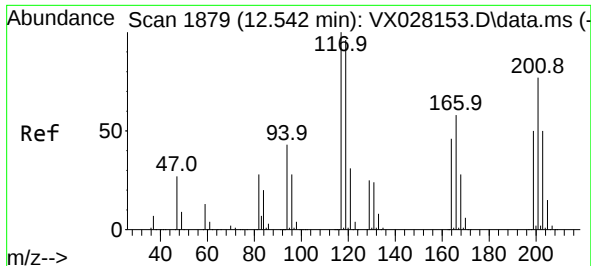
Tgt Ion: 75 Resp: 155149
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion: 75 Resp: 155149
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

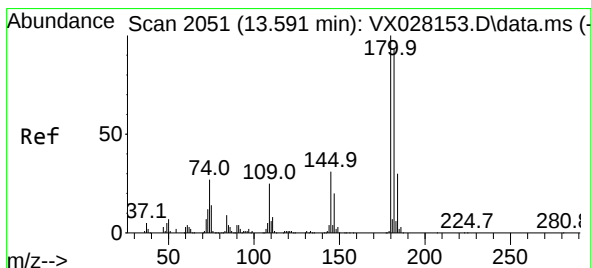
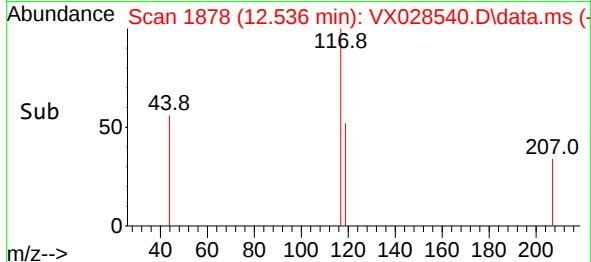
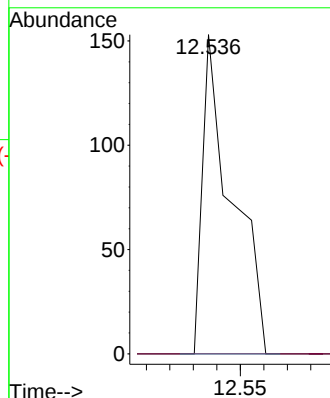
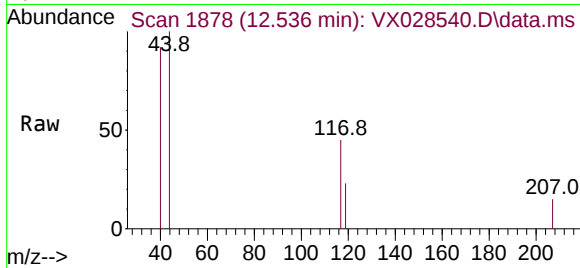




#90
Hexachloroethane
Concen: 1.854 ug/l
RT: 12.536 min Scan# 117
Delta R.T. -0.006 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

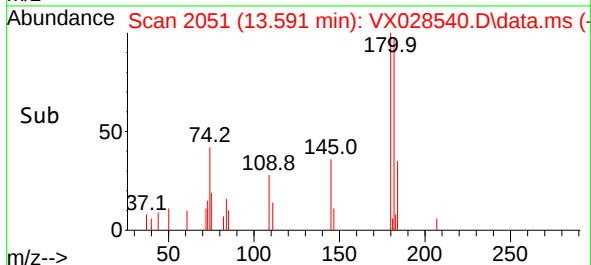
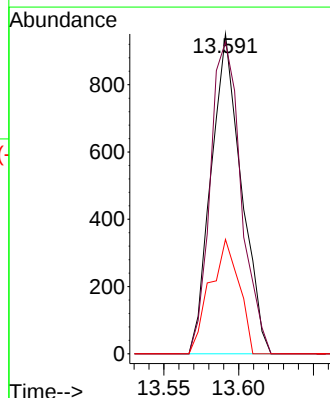
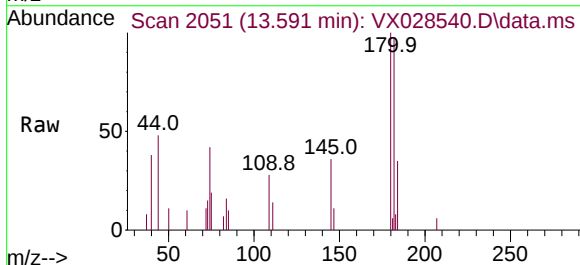
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

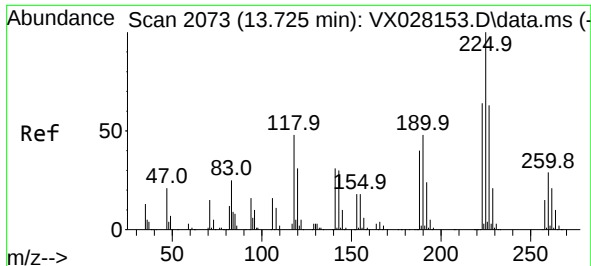
Tgt Ion:117 Resp: 133
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.235 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion:180 Resp: 1338
Ion Ratio Lower Upper
180 100
182 99.6 47.7 143.1
145 34.1 15.2 45.5

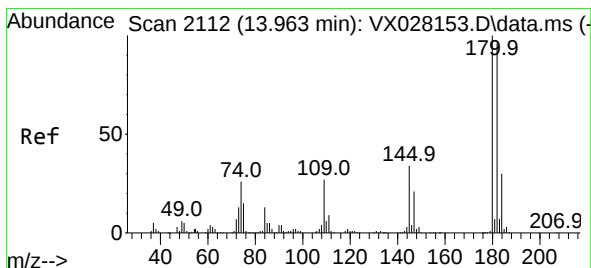
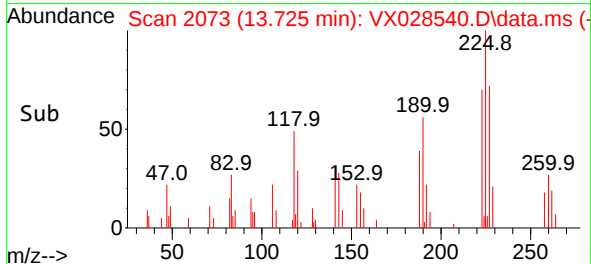
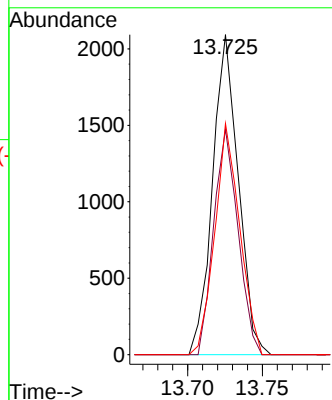
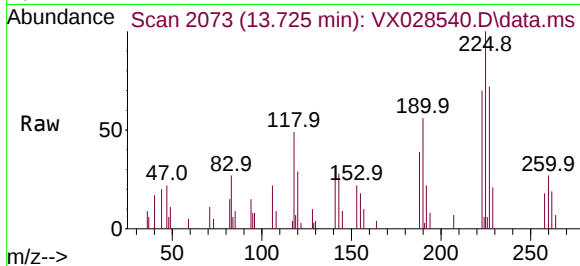




#94
Hexachlorobutadiene
Concen: 0.986 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

Tgt Ion:	225	Resp:	2504
Ion Ratio	Lower	Upper	
225	100		
223	66.4	34.2	102.5
227	70.0	33.9	101.7



#96
1,2,3-Trichlorobenzene
Concen: 0.248 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX028540.D
Acq: 06 May 2022 11:21

Tgt Ion:	180	Resp:	1388
Ion Ratio	Lower	Upper	
180	100		
182	94.0	50.0	149.8
145	33.9	16.2	48.5

