

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028245.D
 Acq On : 21 Apr 2022 16:46
 Operator : JC/MD
 Sample : N2459-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31582

Quant Time: Apr 22 06:15:31 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)

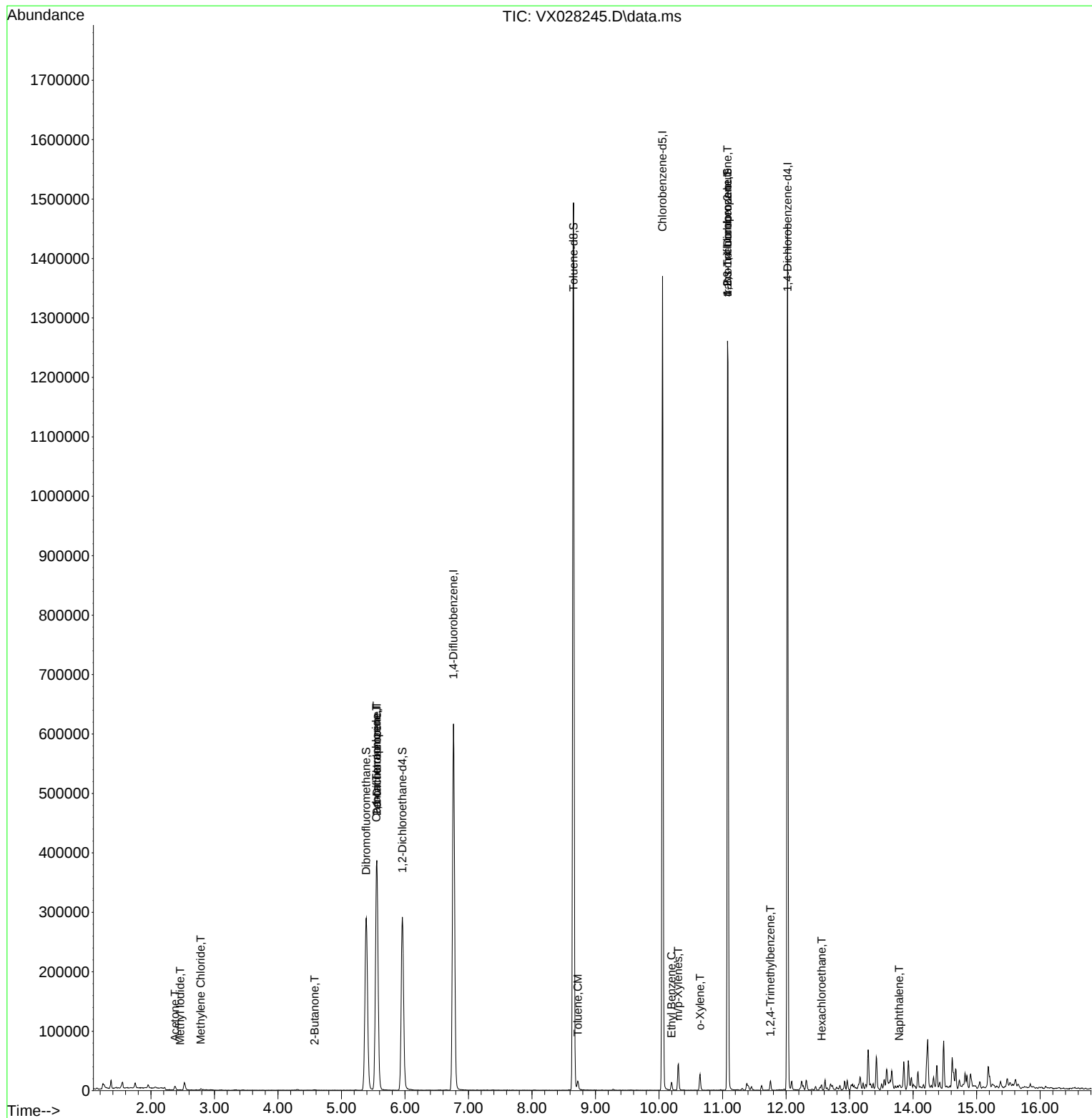
Internal Standards						
1) Pentafluorobenzene	5.556	168	381000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	655831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	632039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	299908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	277954	55.951	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.900%			
35) Dibromofluoromethane	5.385	113	254159	55.260	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.520%			
50) Toluene-d8	8.653	98	921419	52.161	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.320%			
62) 4-Bromofluorobenzene	11.079	95	336147	49.768	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.540%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	344	Below Cal		97
5) Bromomethane	1.624	94	610	Below Cal	#	65
6) Chloroethane	1.685	64	278	Below Cal	#	77
8) Diethyl Ether	2.124	74	19	Below Cal	#	1
10) Methyl Iodide	2.459	142	577	5.357	ug/l	92
11) Tert butyl alcohol	2.977	59	161	Below Cal	#	72
16) Acetone	2.380	43	6968	3.214	ug/l	94
20) Methylene Chloride	2.782	84	800	0.217	ug/l	# 81
25) 2-Butanone	4.574	43	1084	0.368	ug/l	97
36) 1,1-Dichloropropene	5.556	75	27773	4.629	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	38193	5.639	ug/l	# 15
52) Toluene	8.720	92	5529	0.453	ug/l	95
67) Ethyl Benzene	10.195	91	7497	0.332	ug/l	99
68) m/p-Xylenes	10.299	106	11096	1.207	ug/l	99
69) o-Xylene	10.646	106	5981	0.652	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	170136	28.825	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	170136	85.660	ug/l	# 15
84) 1,2,4-Trimethylbenzene	11.756	105	7222	0.415	ug/l	98
90) Hexachloroethane	12.561	117	669	2.006	ug/l	# 10
95) Naphthalene	13.780	128	4064	0.205	ug/l	# 88

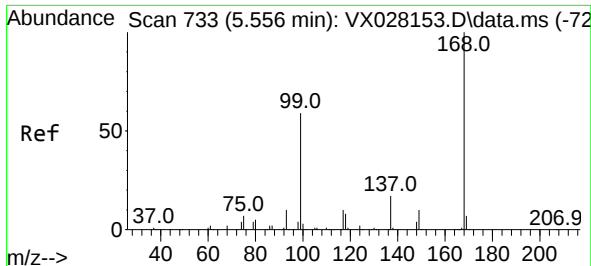
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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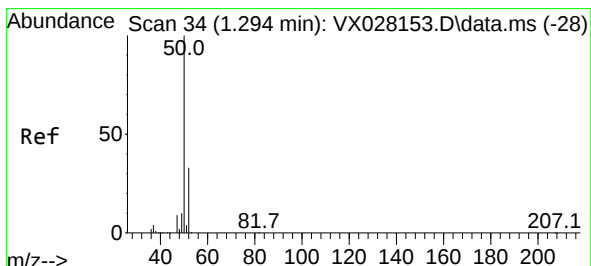
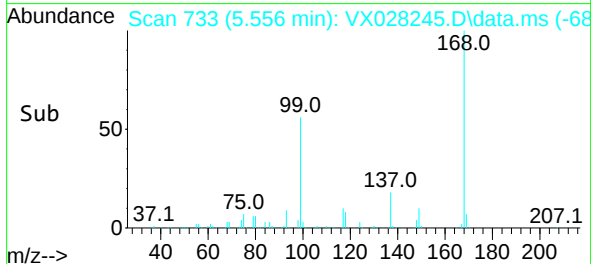
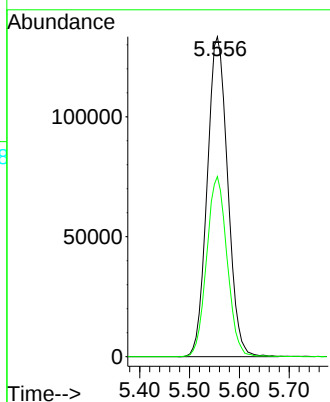
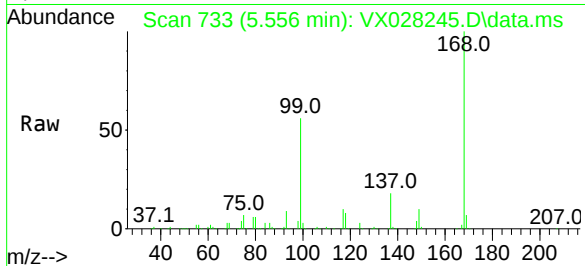




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

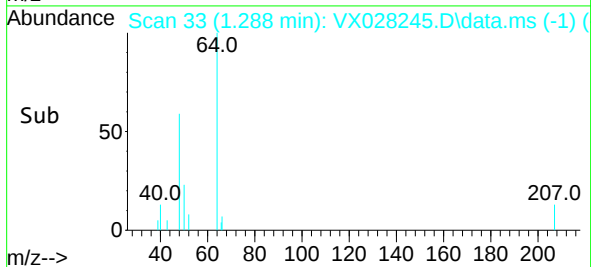
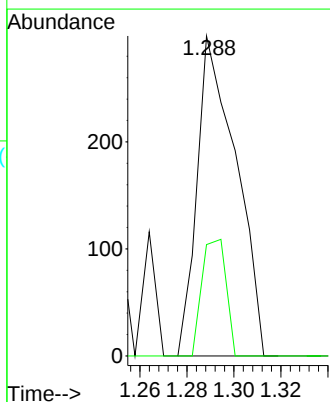
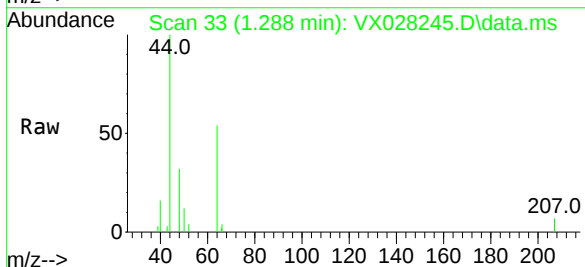
Instrument :
MSVOA_X
ClientSampleId :
31582

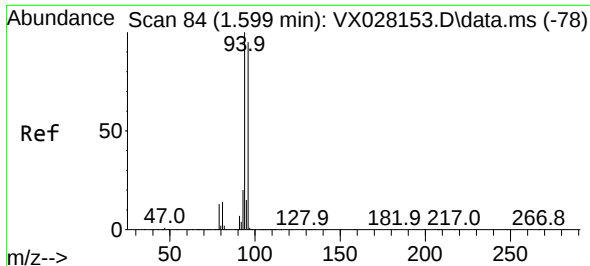
Tgt Ion:168 Resp: 381000
Ion Ratio Lower Upper
168 100
99 56.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion: 50 Resp: 344
Ion Ratio Lower Upper
50 100
52 34.8 26.4 39.6

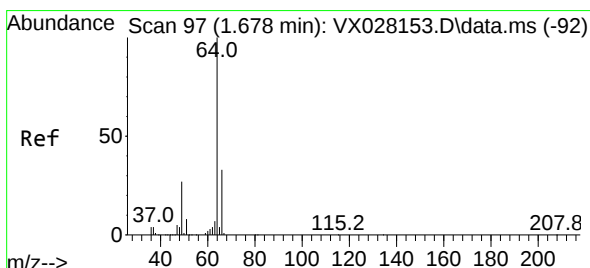
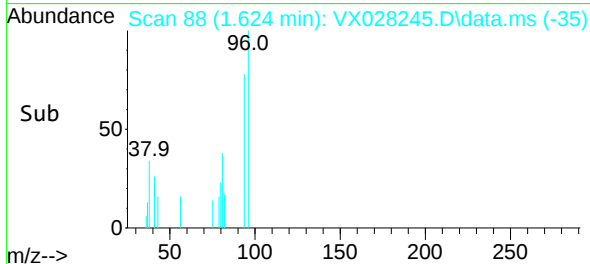
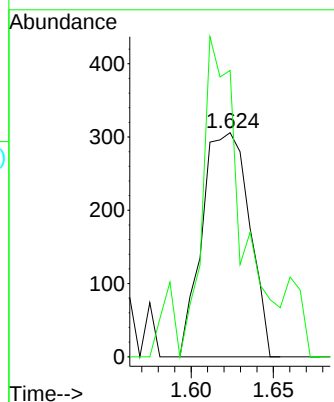
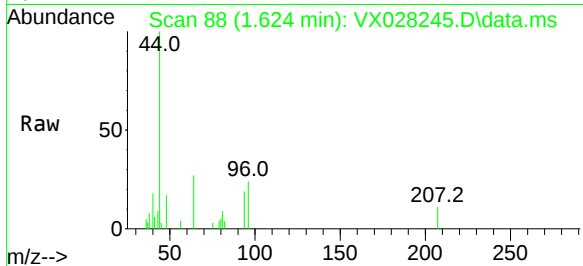




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 84
Delta R.T. 0.025 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

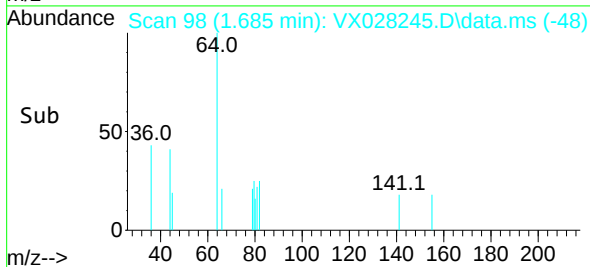
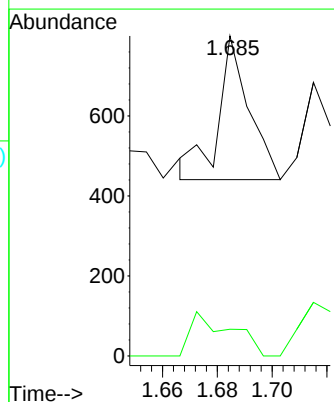
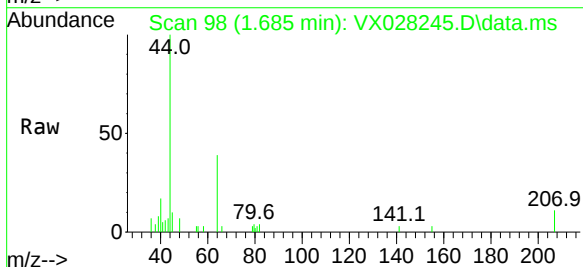
Instrument :
MSVOA_X
ClientSampleId :
31582

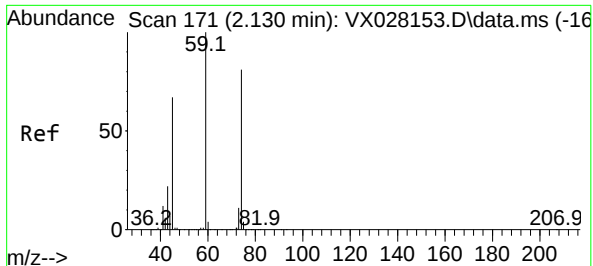
Tgt Ion: 94 Resp: 610
Ion Ratio Lower Upper
94 100
96 127.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 18.7 25.3 37.9#

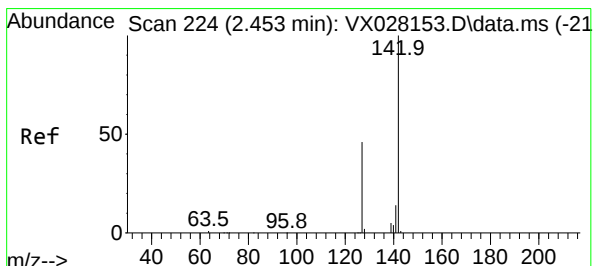
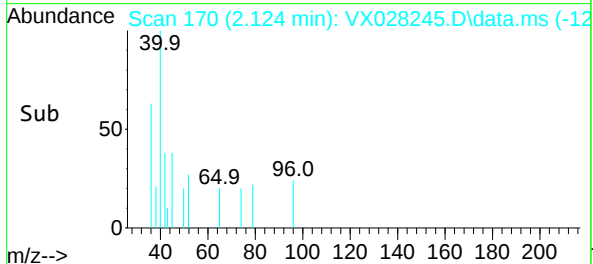
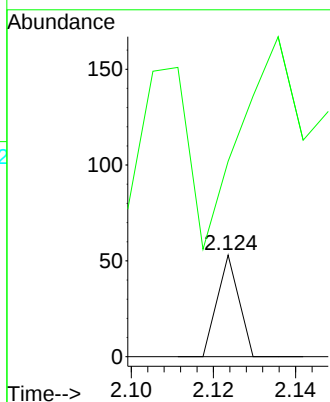
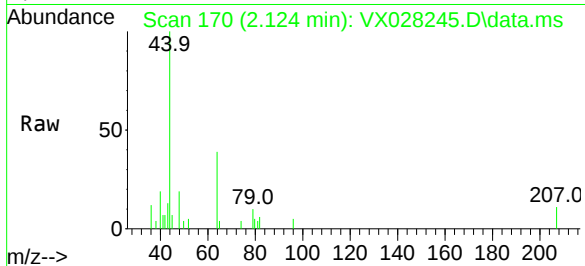




#8
Diethyl Ether
Concen: Below Cal
RT: 2.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

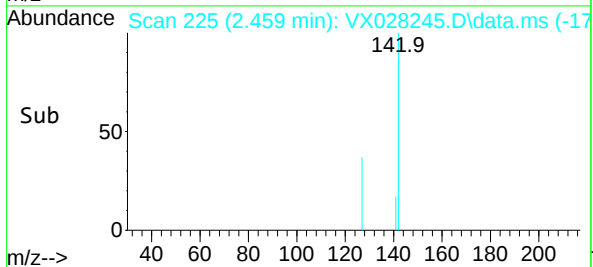
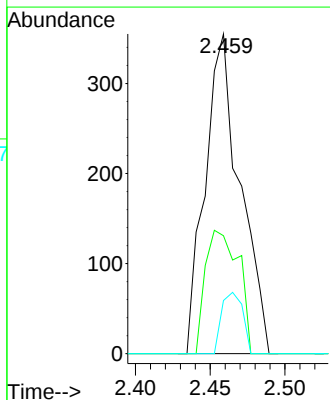
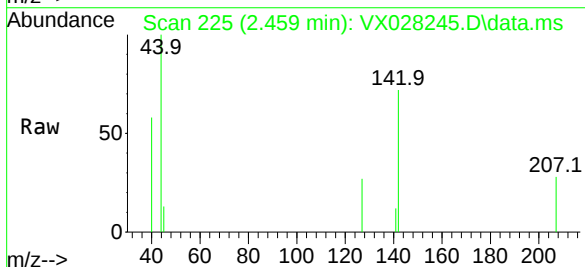
Instrument :
MSVOA_X
ClientSampleId :
31582

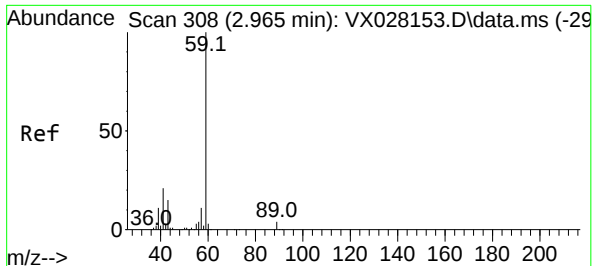
Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 831.6 42.0 126.0#



#10
Methyl Iodide
Concen: 5.357 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion:142 Resp: 577
Ion Ratio Lower Upper
142 100
127 36.7 33.9 50.9
141 11.6 11.4 17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.977 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX028245.D

Acq: 21 Apr 2022 16:46

Instrument :

MSVOA_X

ClientSampleId :

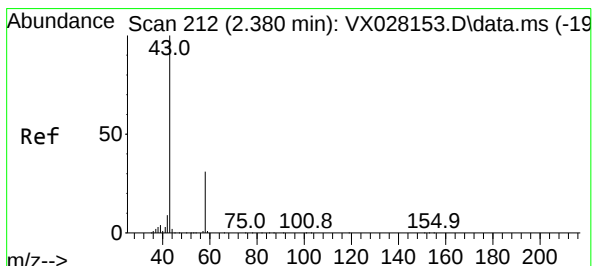
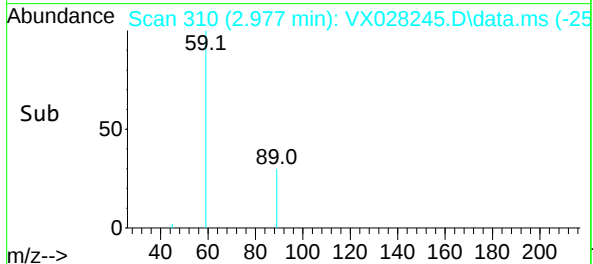
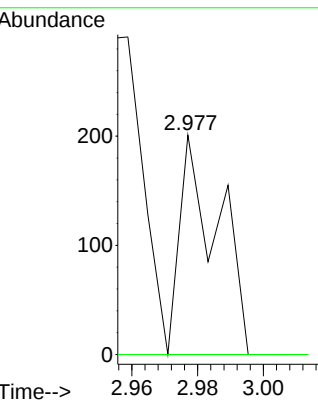
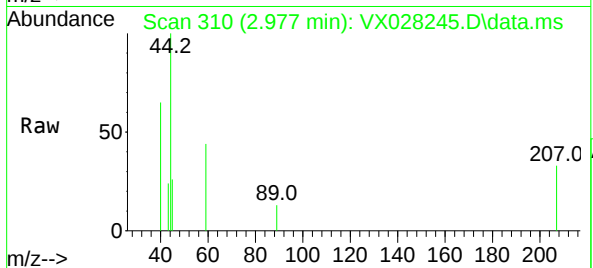
31582

Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.214 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028245.D

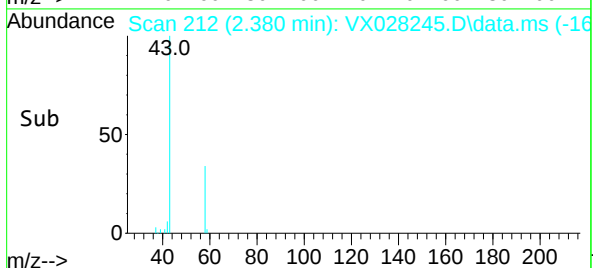
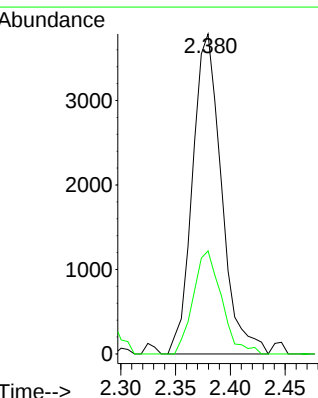
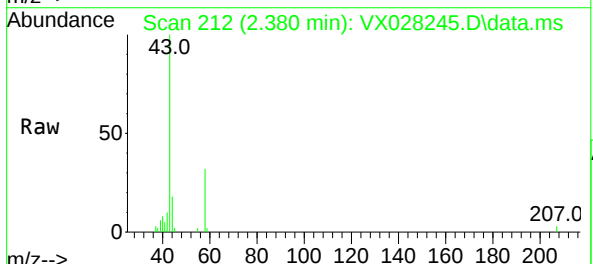
Acq: 21 Apr 2022 16:46

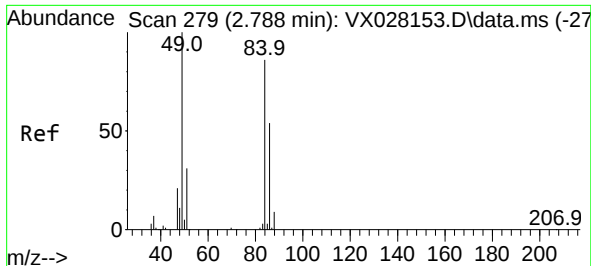
Tgt Ion: 43 Resp: 6968

Ion Ratio Lower Upper

43 100

58 32.2 28.8 43.2





#20

Methylene Chloride

Concen: 0.217 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX028245.D

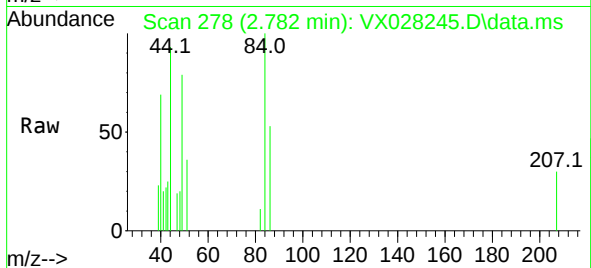
Acq: 21 Apr 2022 16:46

Instrument :

MSVOA_X

ClientSampleId :

31582



Tgt Ion: 84 Resp: 800

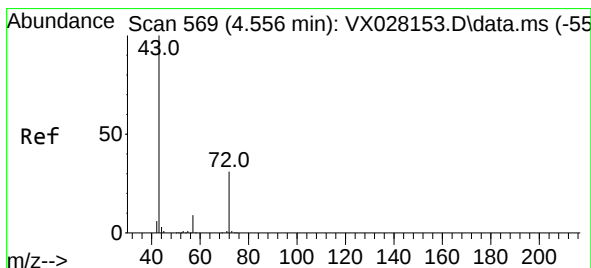
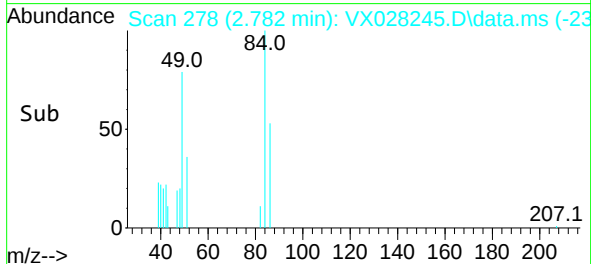
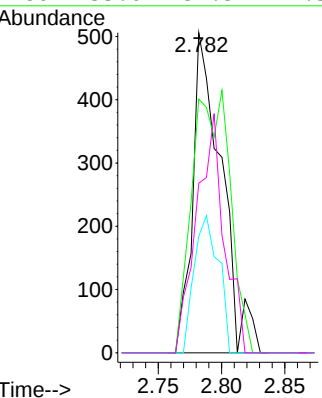
Ion Ratio Lower Upper

84 100

49 79.2 85.5 128.3#

51 36.4 26.6 39.8

86 53.0 51.5 77.3



#25

2-Butanone

Concen: 0.368 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX028245.D

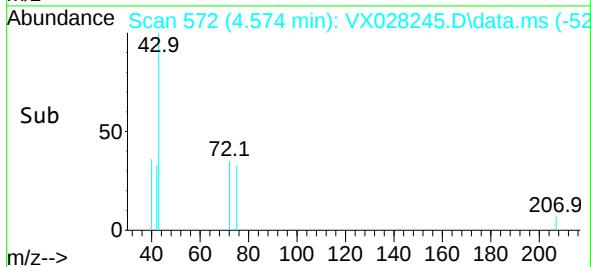
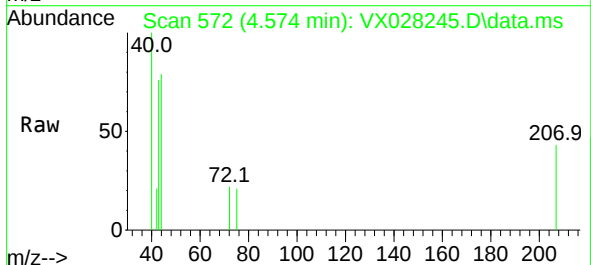
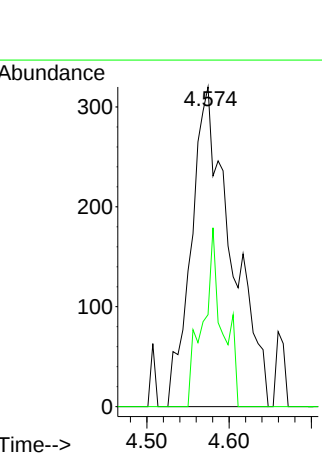
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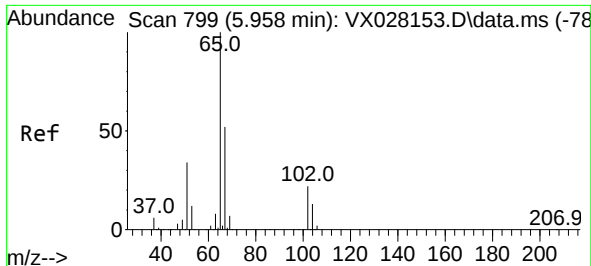
Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

43 100

72 28.8 24.4 36.6





#33

1,2-Dichloroethane-d4

Concen: 55.951 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028245.D

Acq: 21 Apr 2022 16:46

Instrument :

MSVOA_X

ClientSampleId :

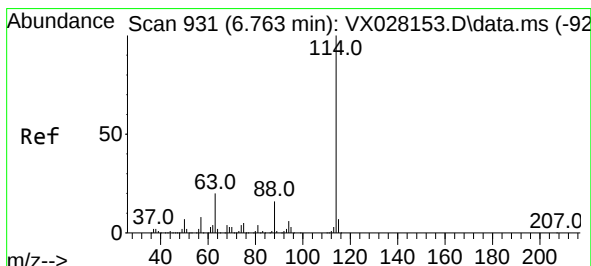
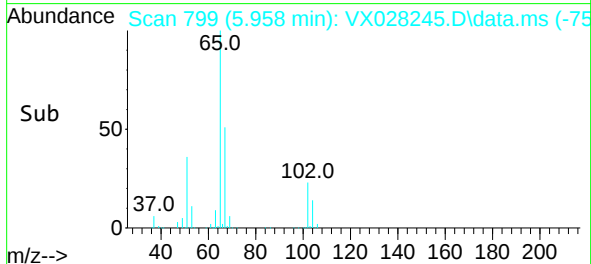
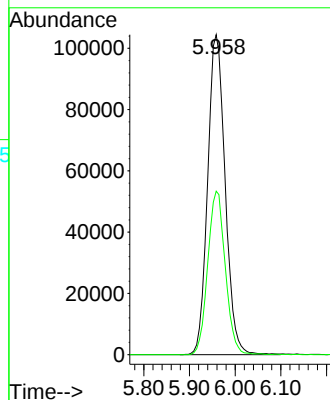
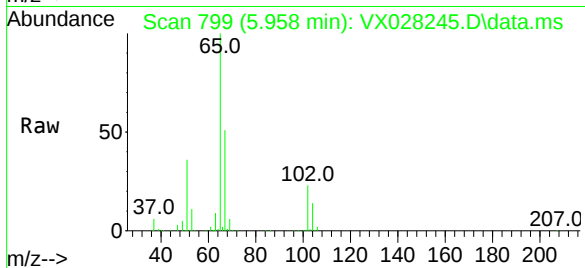
31582

Tgt Ion: 65 Resp: 277954

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028245.D

Acq: 21 Apr 2022 16:46

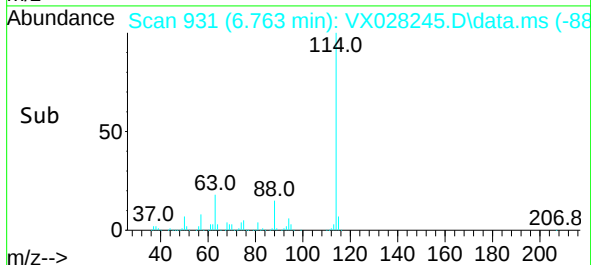
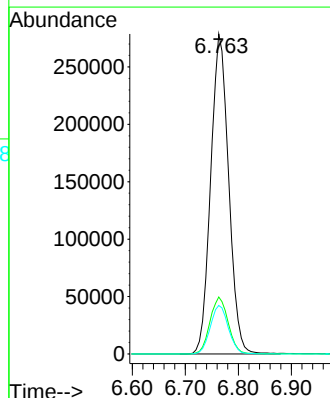
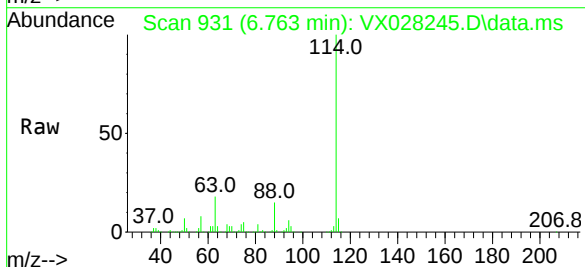
Tgt Ion: 114 Resp: 655831

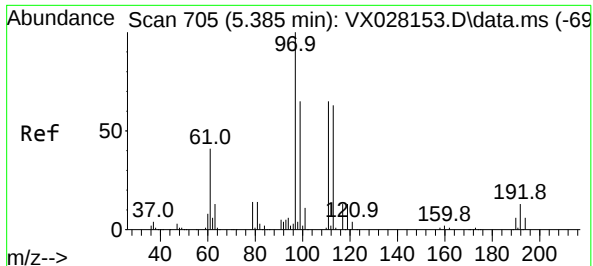
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 55.260 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028245.D

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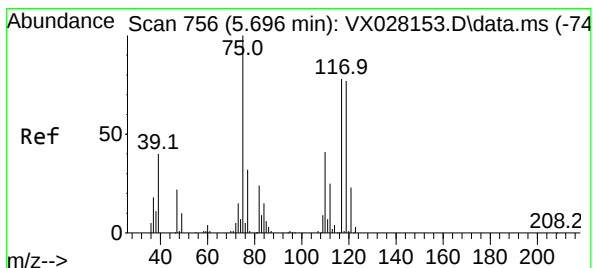
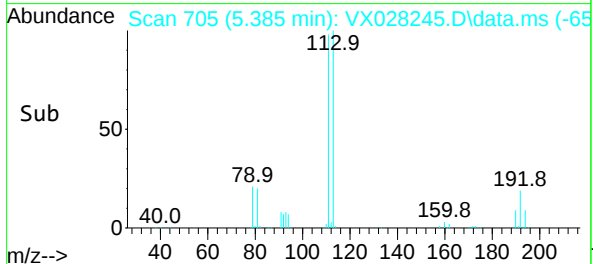
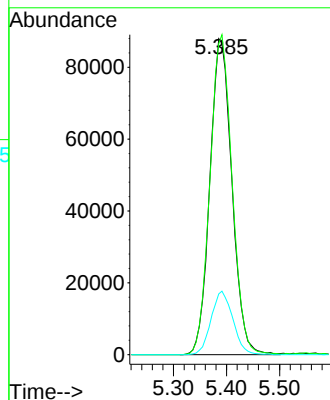
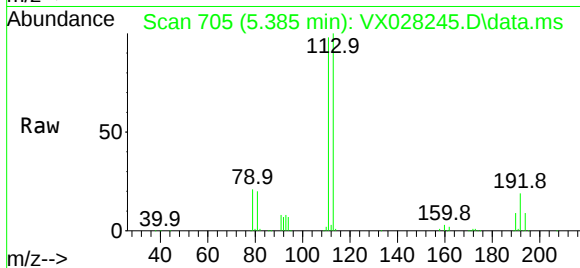
Tgt Ion:113 Resp: 254159

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.629 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028245.D

Acq: 21 Apr 2022 16:46

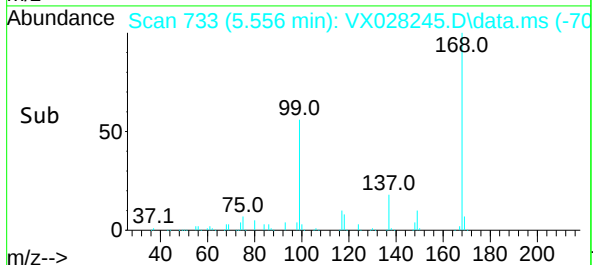
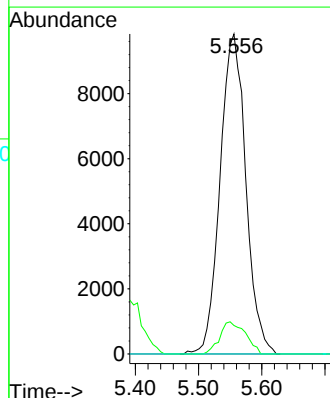
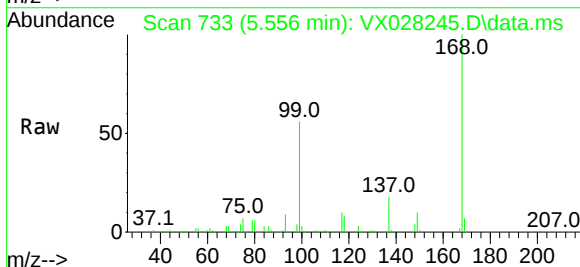
Tgt Ion: 75 Resp: 27773

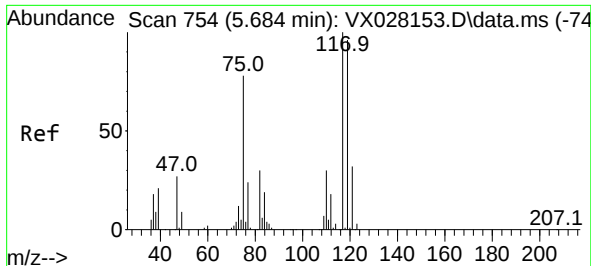
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 24.8 37.2#

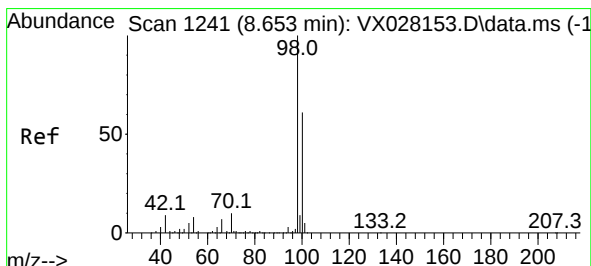
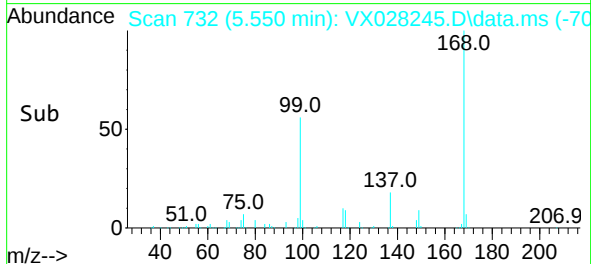
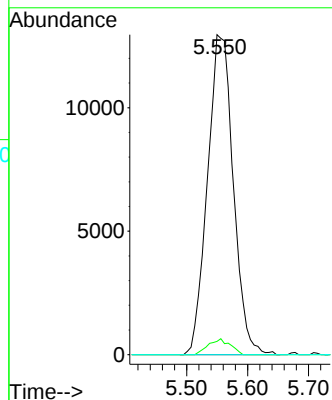
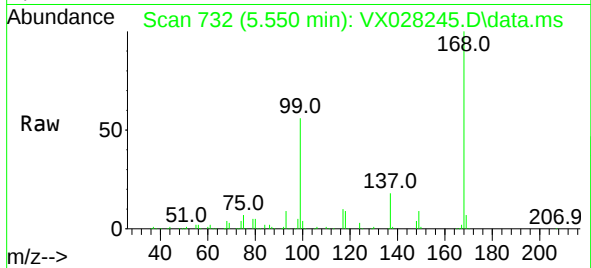




#38
Carbon Tetrachloride
Concen: 5.639 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

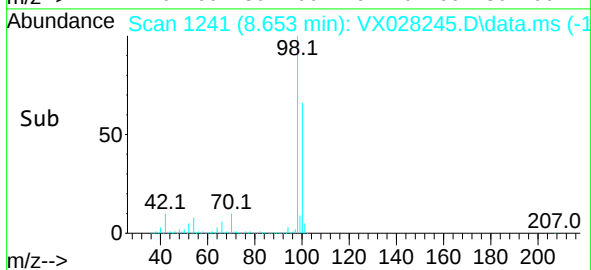
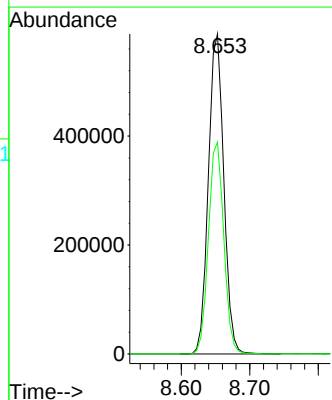
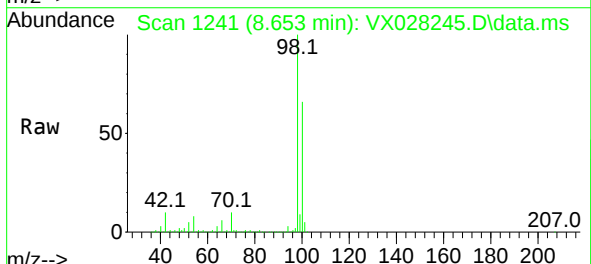
Instrument :
MSVOA_X
ClientSampleId :
31582

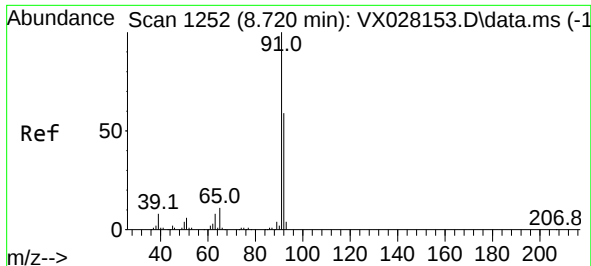
Tgt Ion:117 Resp: 38193
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.161 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion: 98 Resp: 921419
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

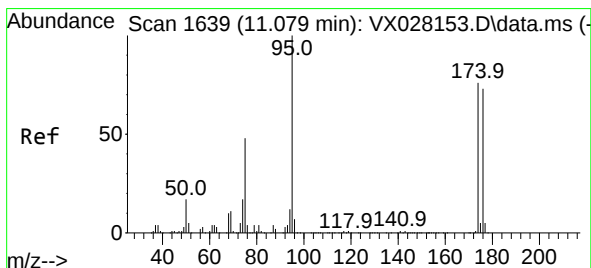
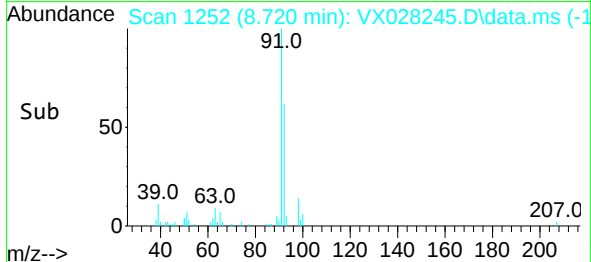
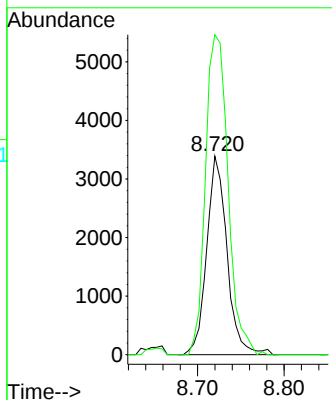
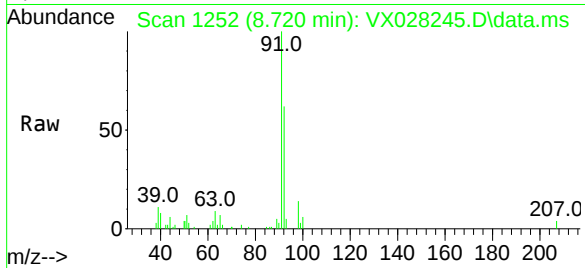




#52
Toluene
Concen: 0.453 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

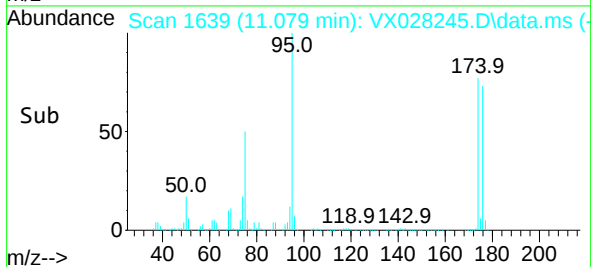
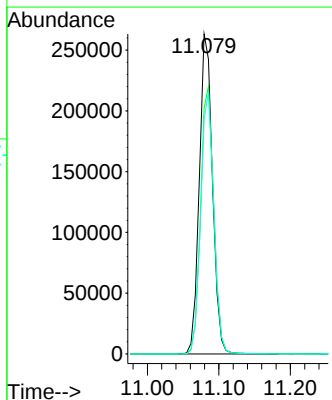
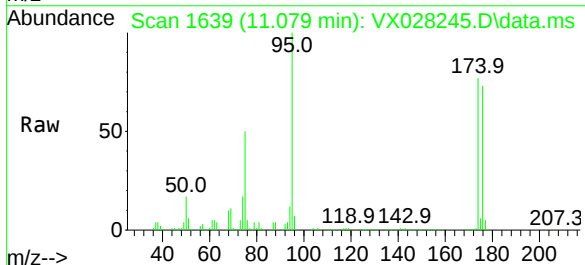
Instrument :
MSVOA_X
ClientSampleId :
31582

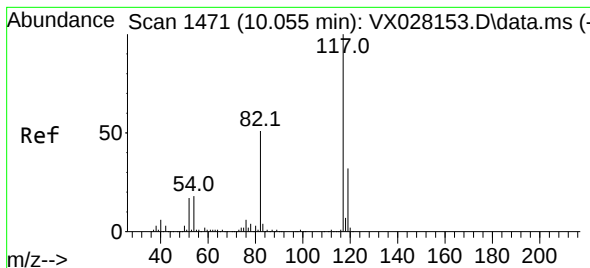
Tgt Ion: 92 Resp: 5529
Ion Ratio Lower Upper
92 100
91 178.8 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 49.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion: 95 Resp: 336147
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.0
176 81.8 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: VX028245.D

Acq: 21 Apr 2022 16:46

Instrument :

MSVOA_X

ClientSampleId :

31582

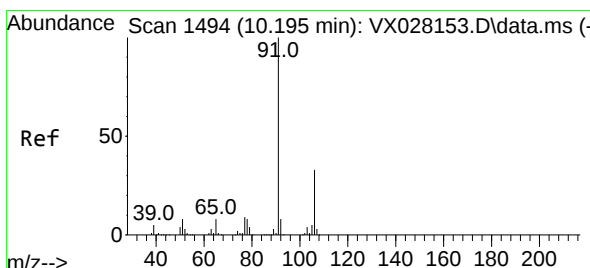
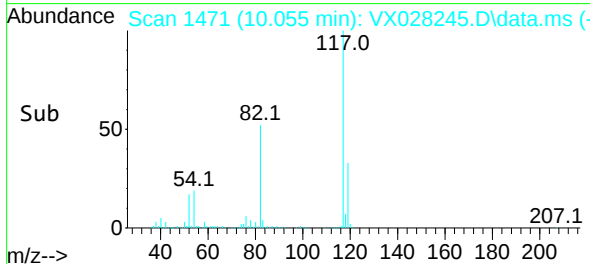
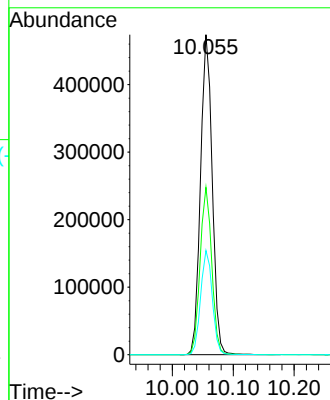
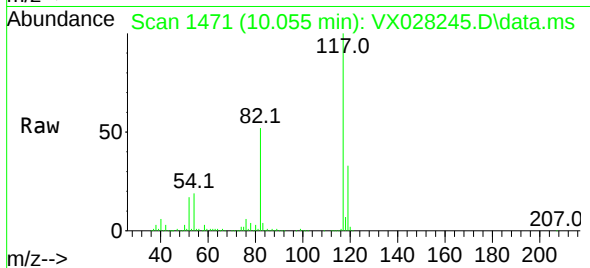
Tgt Ion:117 Resp: 632039

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.8

119 32.6 24.8 37.2



#67

Ethyl Benzene

Concen: 0.332 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX028245.D

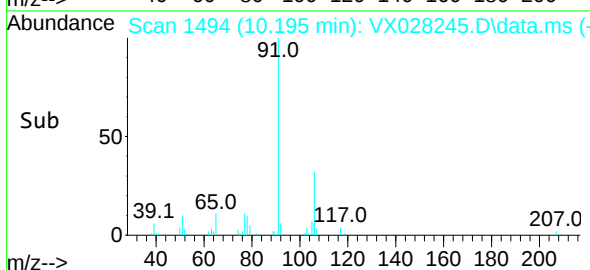
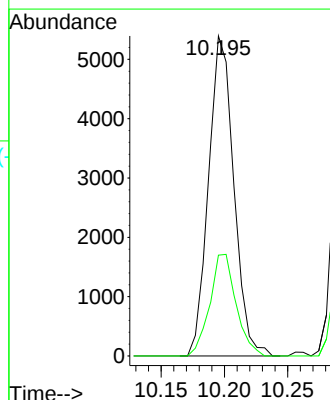
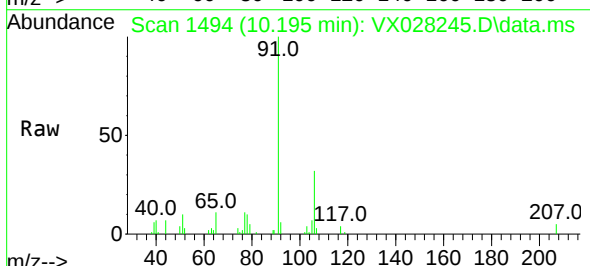
Acq: 21 Apr 2022 16:46

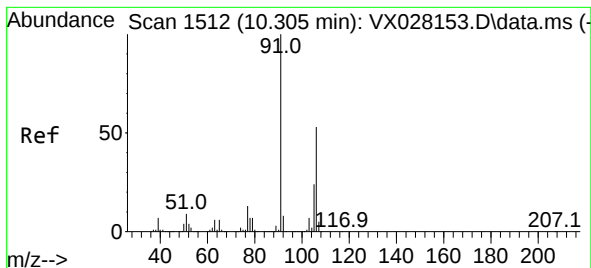
Tgt Ion: 91 Resp: 7497

Ion Ratio Lower Upper

91 100

106 31.5 24.6 36.8

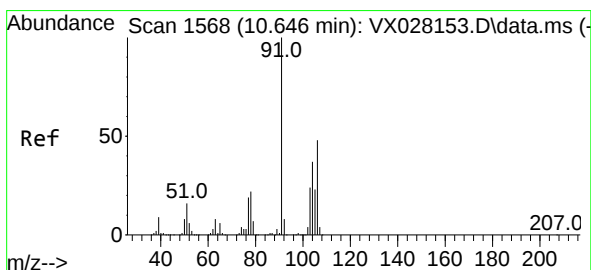
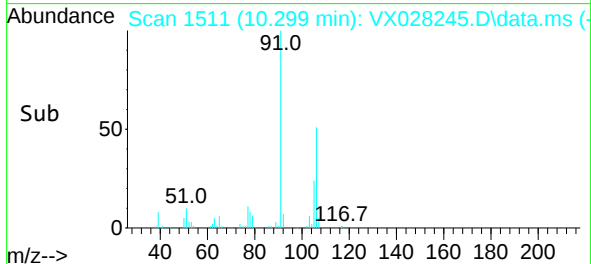
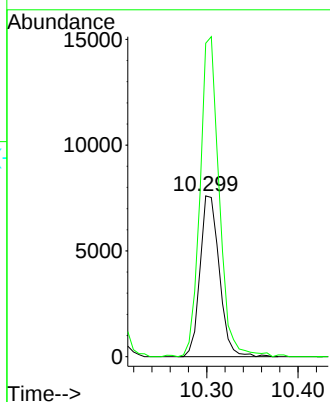
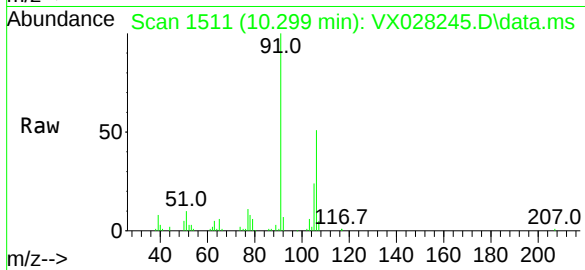




#68
m/p-Xylenes
Concen: 1.207 ug/l
RT: 10.299 min Scan# 11096
Delta R.T. -0.006 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

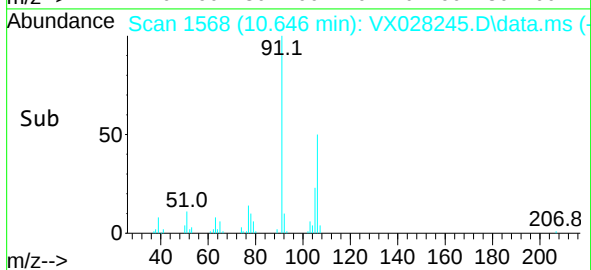
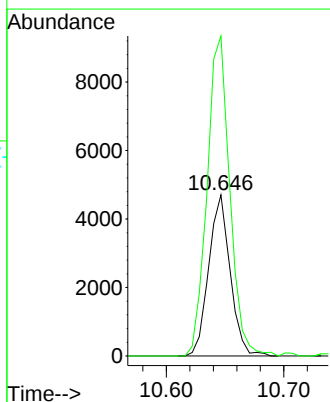
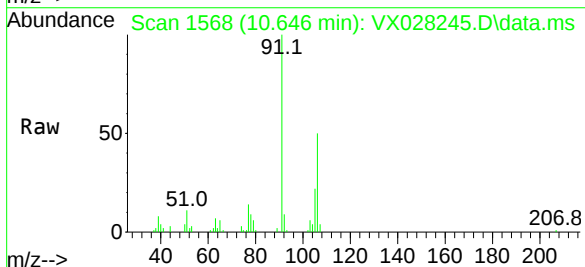
Instrument :
MSVOA_X
ClientSampleId :
31582

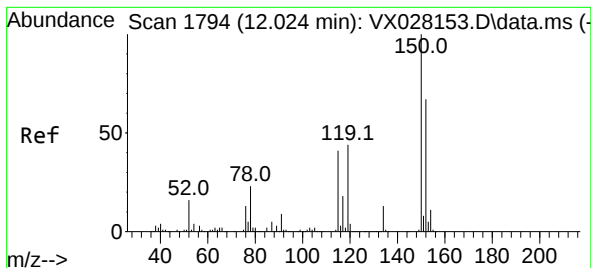
Tgt Ion:106 Resp: 11096
Ion Ratio Lower Upper
106 100
91 199.0 160.4 240.6



#69
o-Xylene
Concen: 0.652 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion:106 Resp: 5981
Ion Ratio Lower Upper
106 100
91 209.9 106.1 318.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028245.D

Acq: 21 Apr 2022 16:46

Instrument :

MSVOA_X

ClientSampleId :

31582

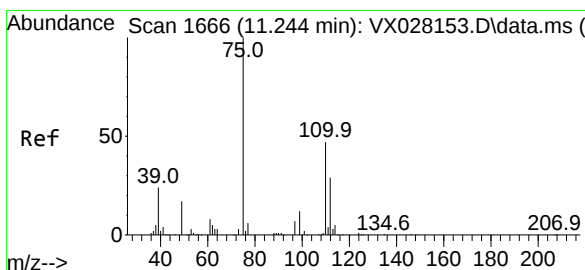
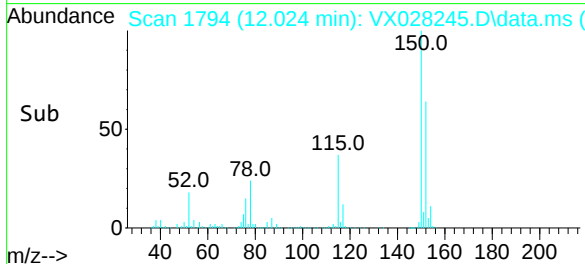
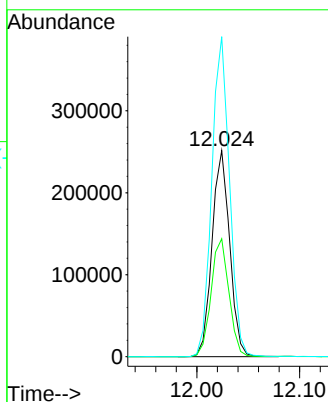
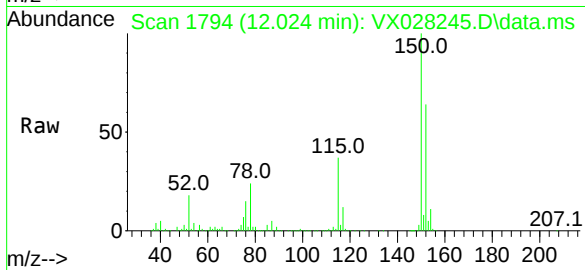
Tgt Ion:152 Resp: 299908

Ion Ratio Lower Upper

152 100

115 58.0 37.5 112.7

150 156.0 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 28.825 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028245.D

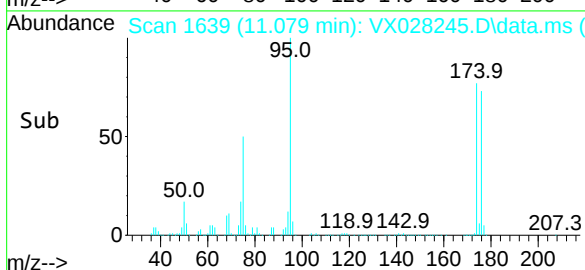
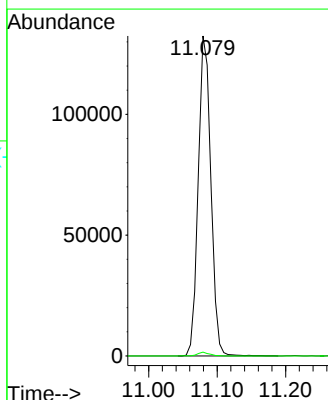
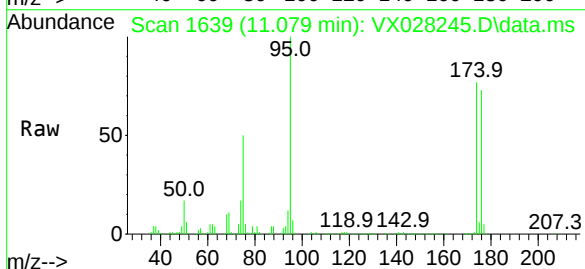
Acq: 21 Apr 2022 16:46

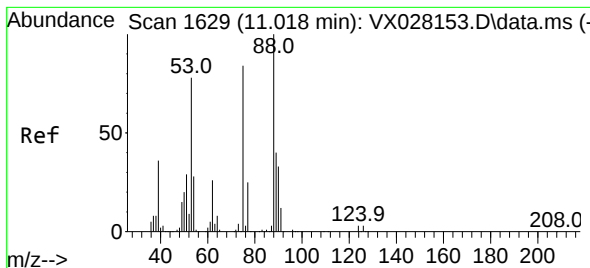
Tgt Ion: 75 Resp: 170136

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#

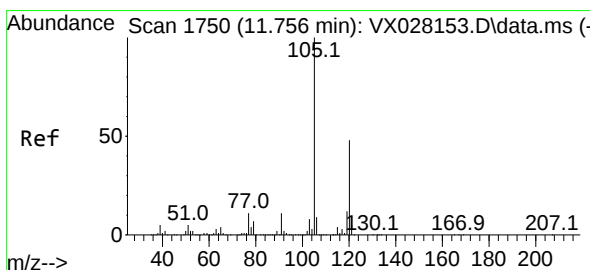
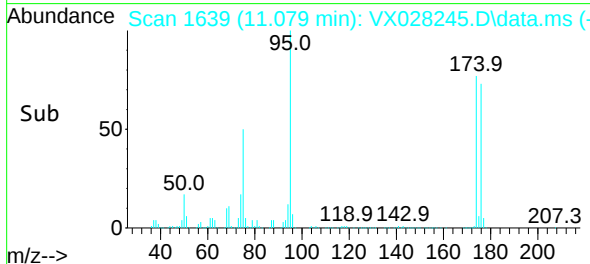
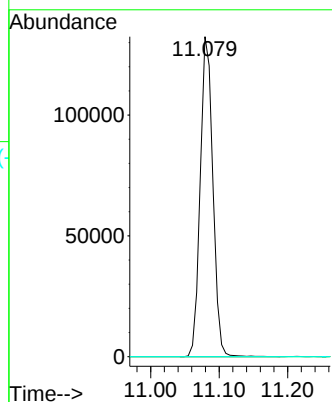
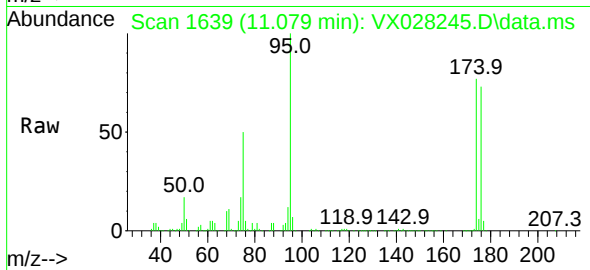




#81
trans-1,4-Dichloro-2-butene
Concen: 85.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

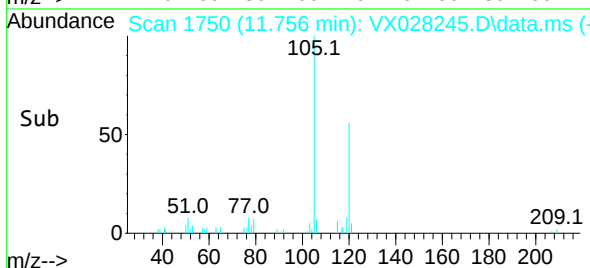
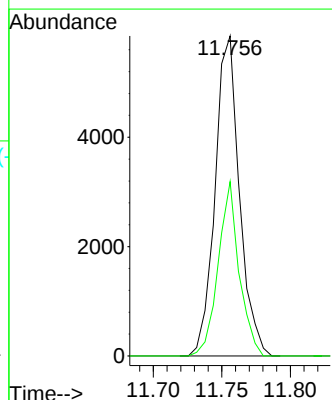
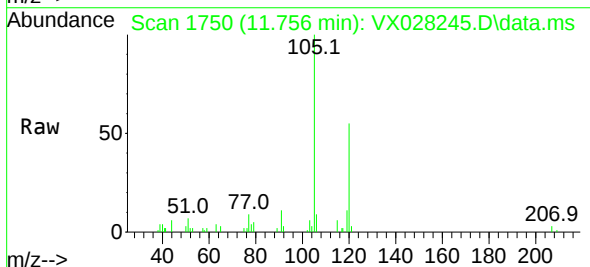
Instrument :
MSVOA_X
ClientSampleId :
31582

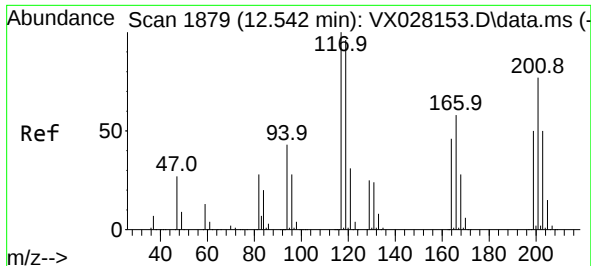
Tgt Ion: 75 Resp: 170136
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.415 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion: 105 Resp: 7222
Ion Ratio Lower Upper
105 100
120 46.8 22.6 67.8

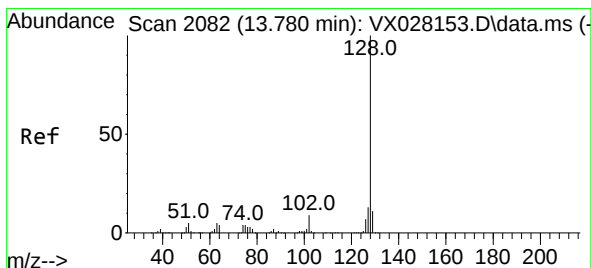
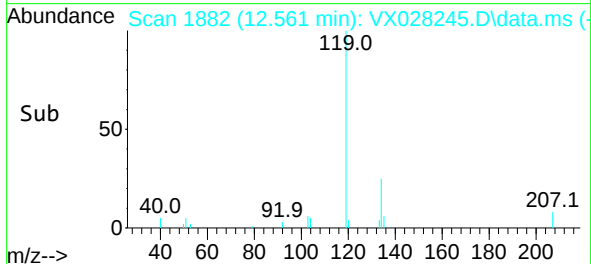
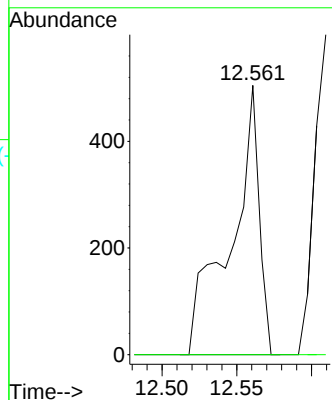
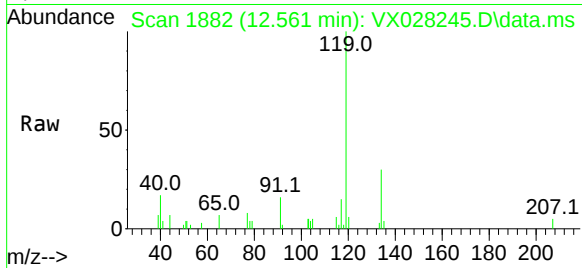




#90
Hexachloroethane
Concen: 2.006 ug/l
RT: 12.561 min Scan# 117
Delta R.T. 0.019 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Instrument :
MSVOA_X
ClientSampleId :
31582

Tgt Ion:117 Resp: 669
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.205 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX028245.D
Acq: 21 Apr 2022 16:46

Tgt Ion:128 Resp: 4064
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.4
129 18.6 8.7 13.1#

