

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030740.D
 Acq On : 23 Aug 2022 18:25
 Operator : JC/MD
 Sample : N4245-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 00:53:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

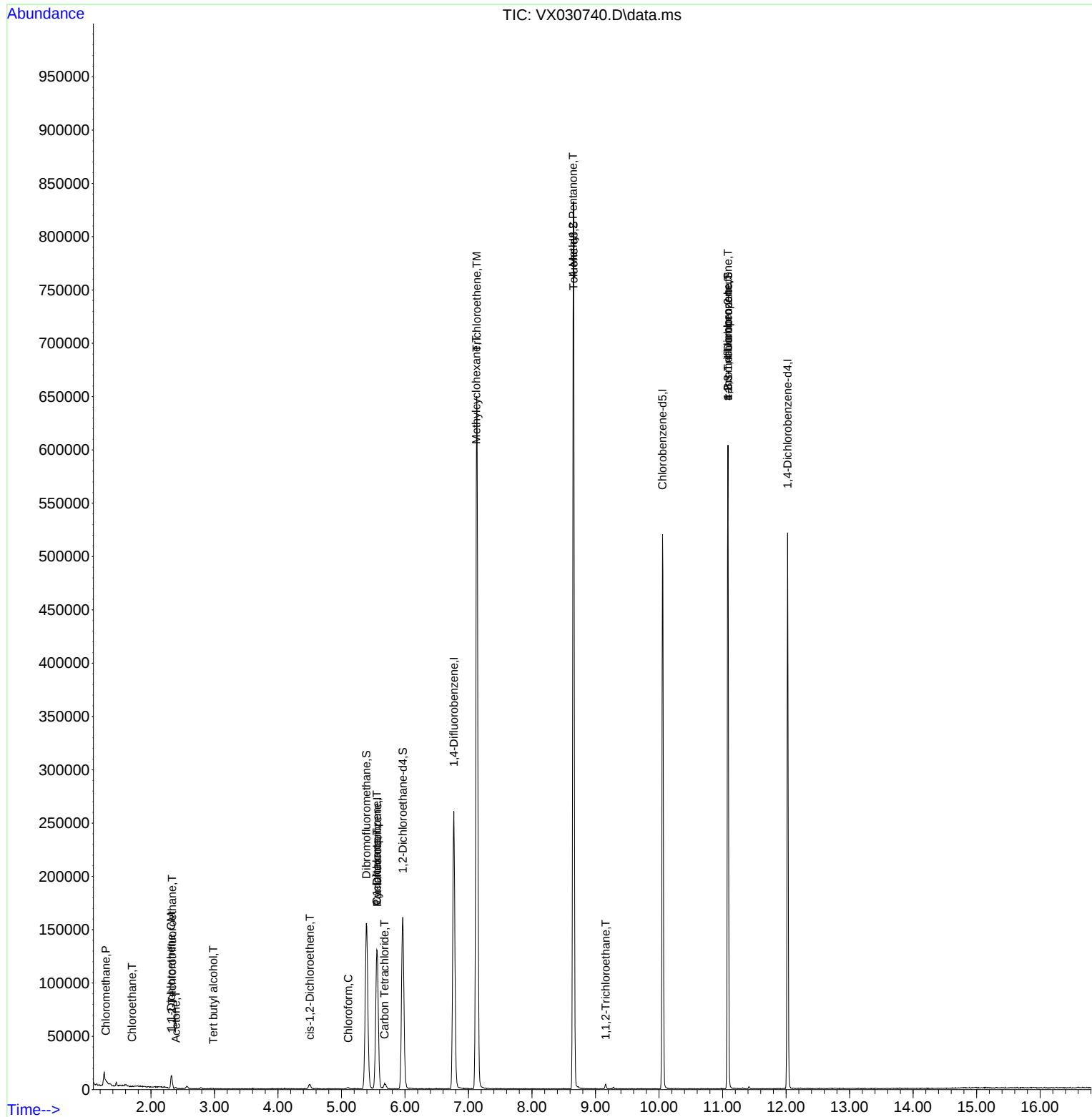
Internal Standards						
1) Pentafluorobenzene	5.562	168	125450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	274868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152085	60.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.640%			
35) Dibromofluoromethane	5.391	113	141934	54.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.040%			
50) Toluene-d8	8.652	98	510682	50.186	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.380%			
62) 4-Bromofluorobenzene	11.085	95	171025	45.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.580%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	428	0.210	ug/l #	83
5) Bromomethane	1.617	94	247	Below Cal		98
6) Chloroethane	1.702	64	372	0.315	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.330	101	2225	1.110	ug/l	93
11) Tert butyl alcohol	2.983	59	155	0.252	ug/l #	74
12) 1,1-Dichloroethene	2.318	96	2939	1.500	ug/l	98
16) Acetone	2.391	43	1411	1.093	ug/l #	77
20) Methylene Chloride	2.788	84	492	Below Cal	#	72
27) cis-1,2-Dichloroethene	4.501	96	2787	1.096	ug/l	90
30) Chloroform	5.104	83	1541	0.383	ug/l #	82
31) Cyclohexane	5.555	56	2568	0.701	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	9903	2.619	ug/l #	49
38) Carbon Tetrachloride	5.677	117	4495	1.273	ug/l	94
39) Methylcyclohexane	7.122	83	3004	0.615	ug/l #	1
44) Trichloroethene	7.128	130	255018	78.445	ug/l	98
51) 4-Methyl-2-Pentanone	8.646	43	1906	0.358	ug/l #	1
55) 1,1,2-Trichloroethane	9.158	97	1343	0.435	ug/l	92
67) Ethyl Benzene	10.189	91	93	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	80648	29.360	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	80648	88.078	ug/l #	13

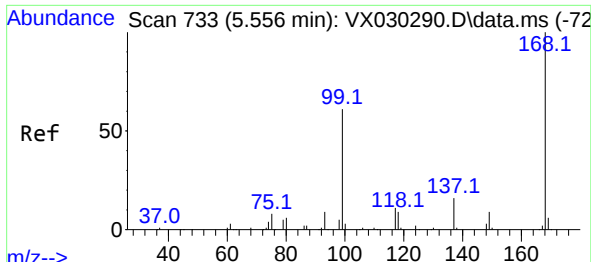
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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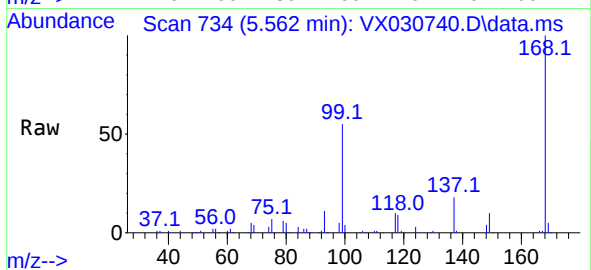
Quant Time: Aug 24 00:53:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 25 16:49:17 2022
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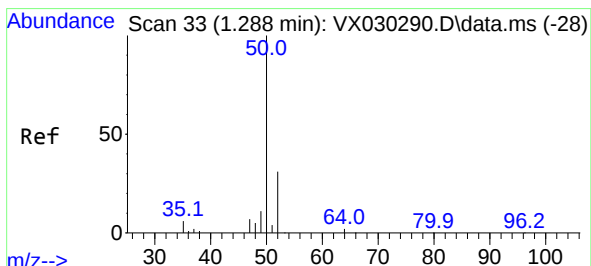
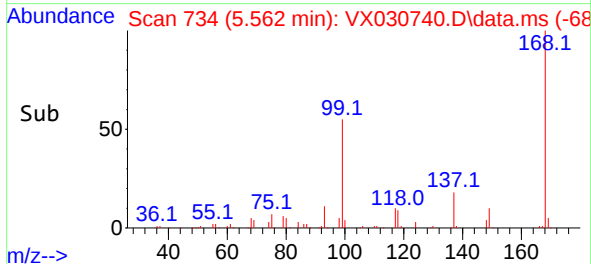
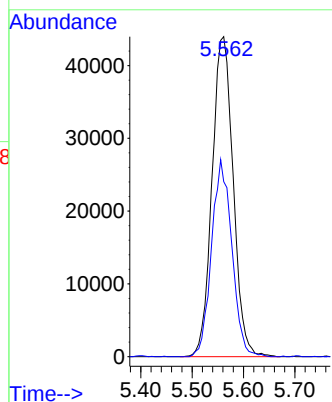


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Instrument :
MSVOA_X
ClientSampleId :

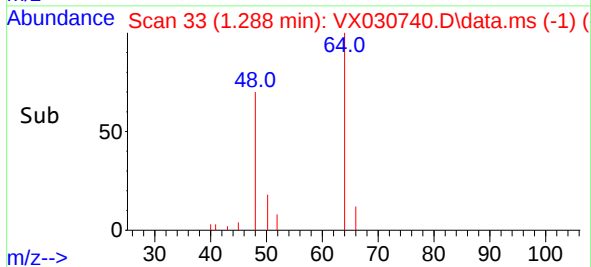
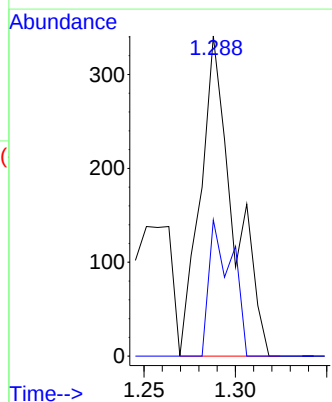
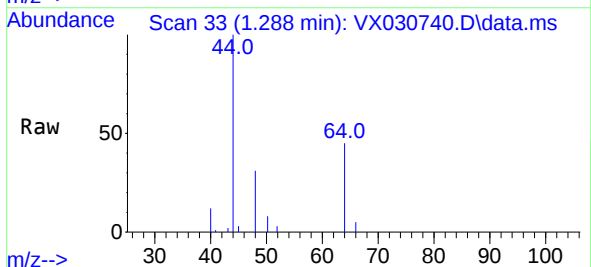


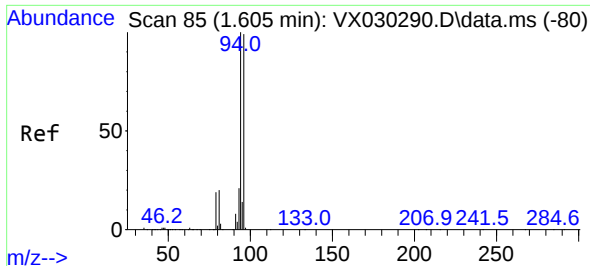
Tgt Ion:168 Resp: 125450
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 42.5 26.3 39.5#

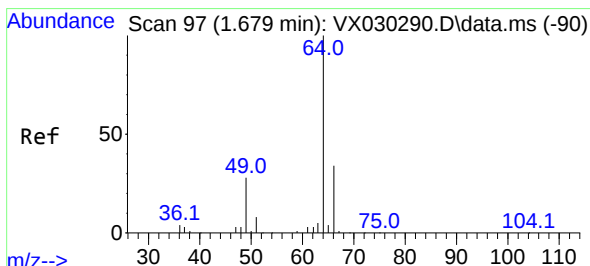
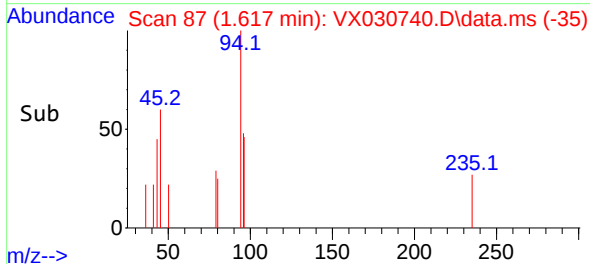
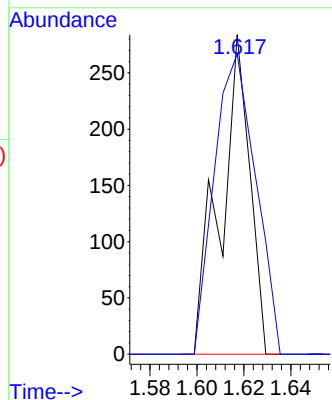
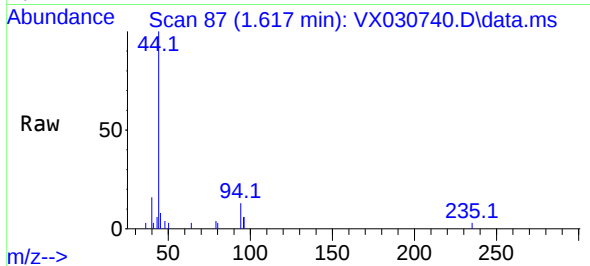




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

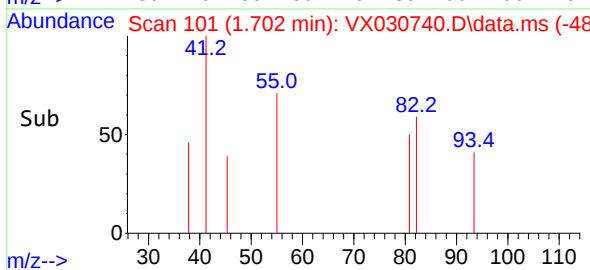
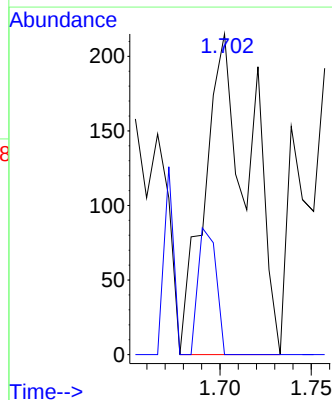
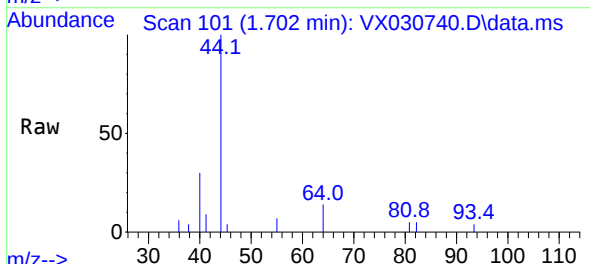
Instrument :
MSVOA_X
ClientSampleId :

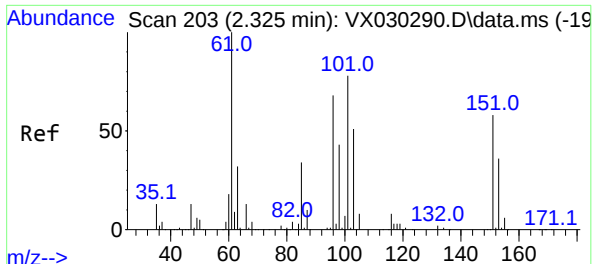
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 94.0 76.9 115.3



#6
Chloroethane
Concen: 0.315 ug/l
RT: 1.702 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Tgt Ion: 64 Resp: 372
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

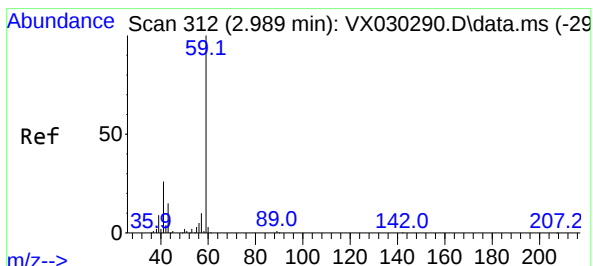
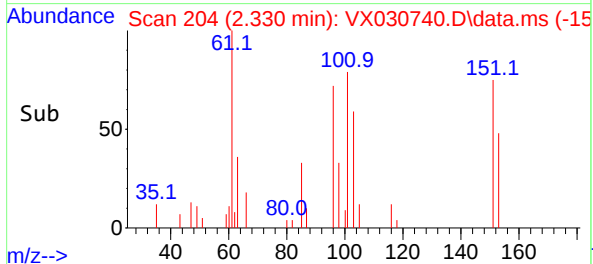
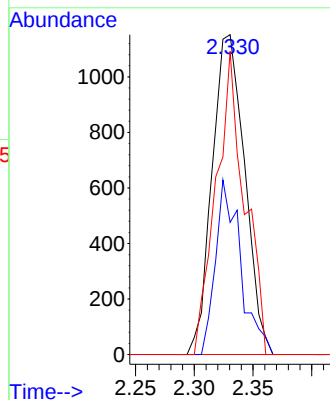
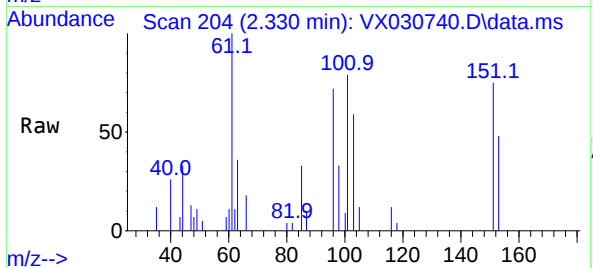




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.110 ug/l
RT: 2.330 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

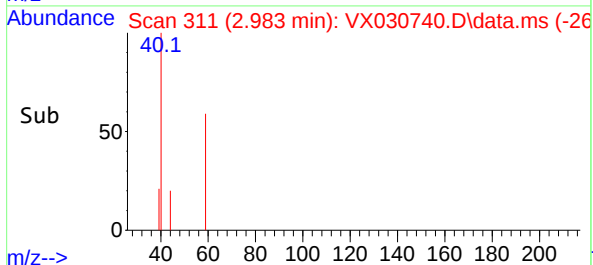
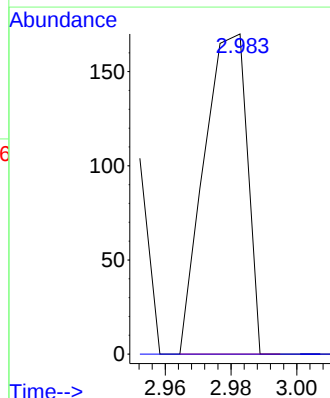
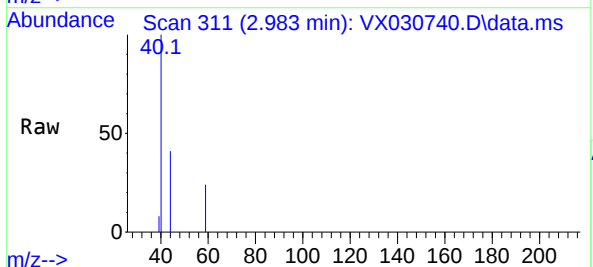
Instrument :
MSVOA_X
ClientSampleId :

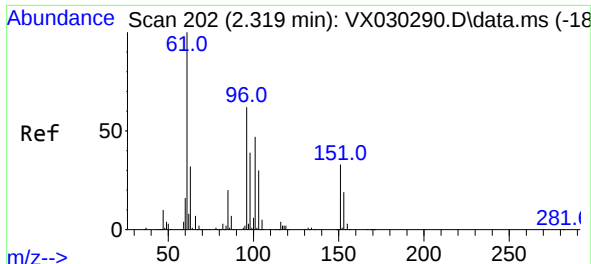
Tgt Ion:101 Resp: 2225
Ion Ratio Lower Upper
101 100
85 42.0 34.0 51.0
151 83.1 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.252 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

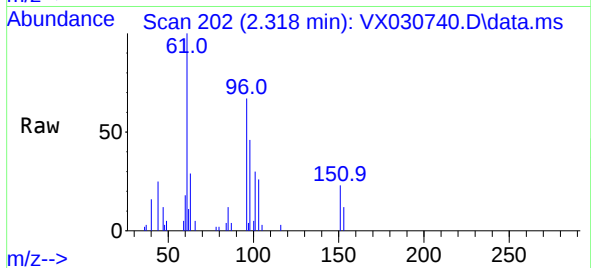
Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



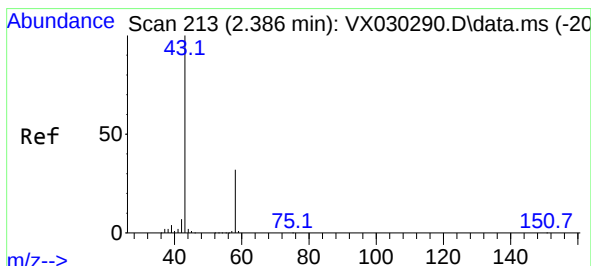
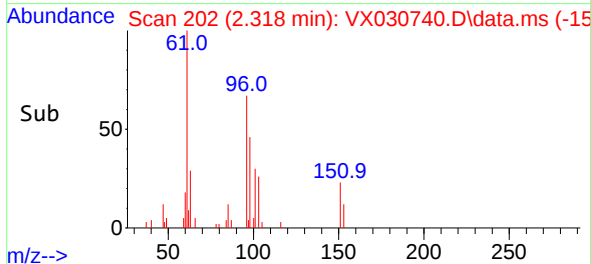
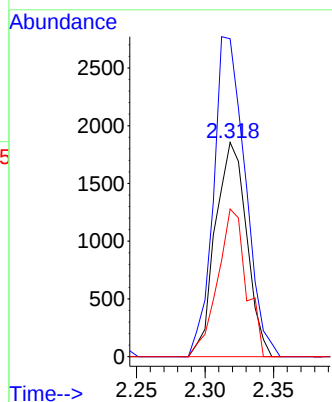


#12
1,1-Dichloroethene
Concen: 1.500 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Instrument :
MSVOA_X
ClientSampleId :

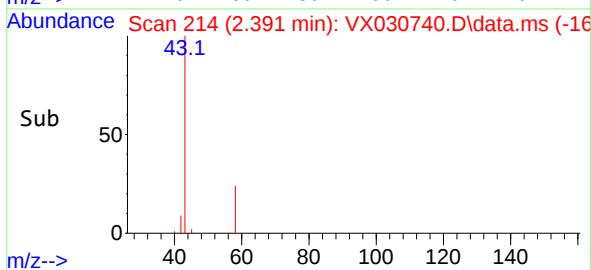
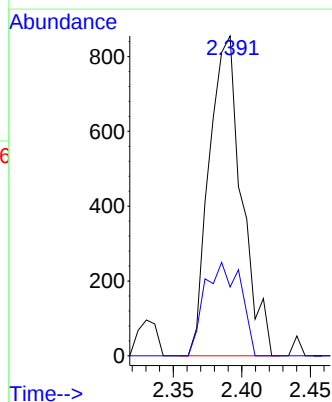
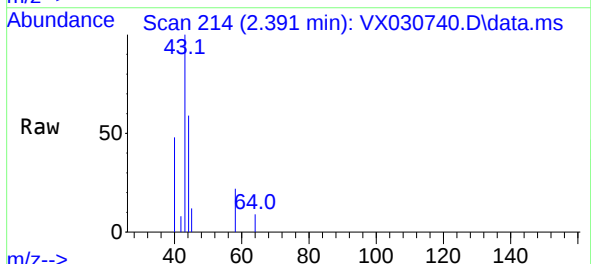


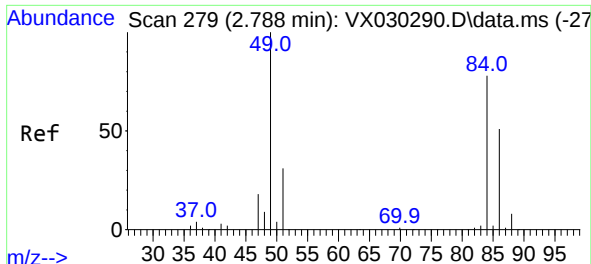
Tgt Ion: 96 Resp: 2939
Ion Ratio Lower Upper
96 100
61 148.4 117.4 176.0
98 68.9 52.2 78.4



#16
Acetone
Concen: 1.093 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

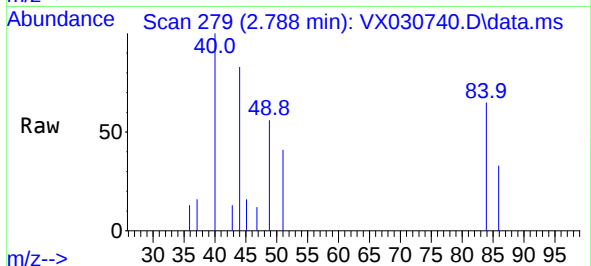
Tgt Ion: 43 Resp: 1411
Ion Ratio Lower Upper
43 100
58 21.5 27.7 41.5#





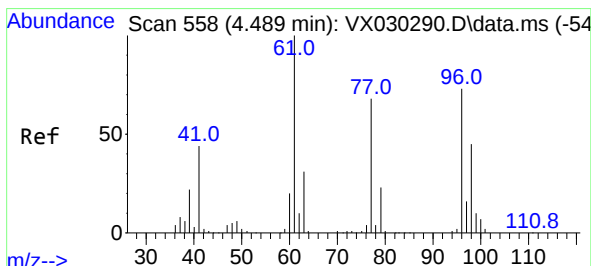
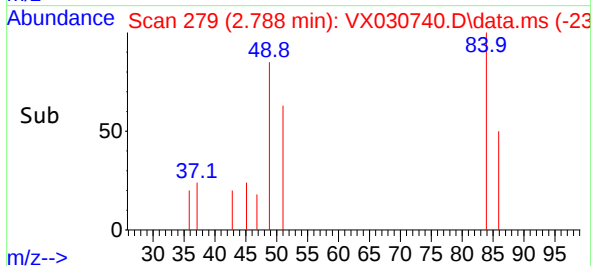
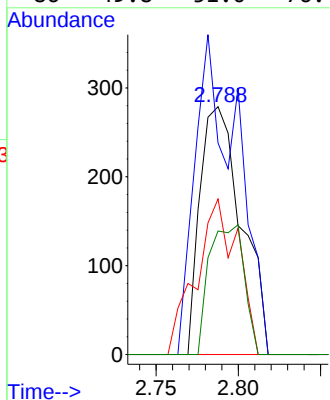
#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 492

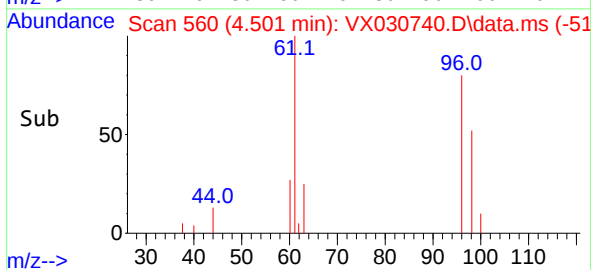
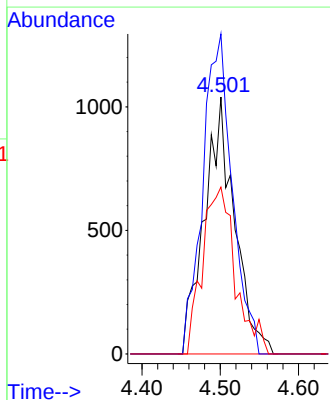
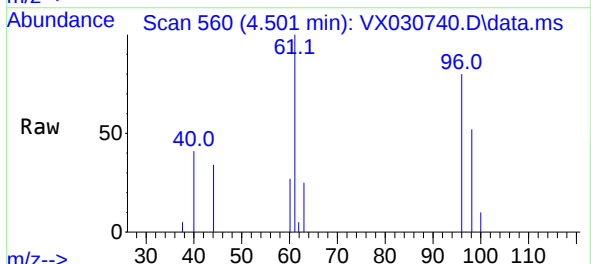
Ion	Ratio	Lower	Upper
84	100		
49	85.3	93.8	140.6#
51	62.7	29.4	44.0#
86	49.8	51.0	76.4#

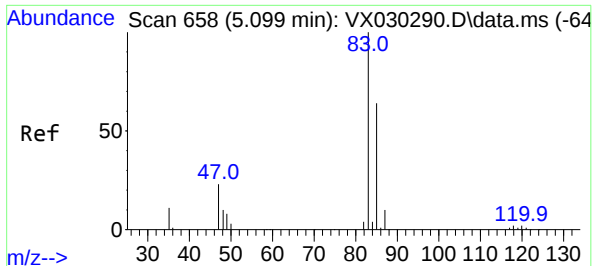


#27
cis-1,2-Dichloroethene
Concen: 1.096 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Tgt Ion: 96 Resp: 2787

Ion	Ratio	Lower	Upper
96	100		
61	121.6	0.0	270.0
98	70.6	0.0	127.8





#30

Chloroform

Concen: 0.383 ug/l

RT: 5.104 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX030740.D

Acq: 23 Aug 2022 18:25

Instrument :

MSVOA_X

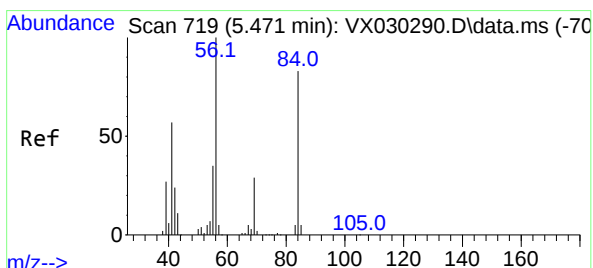
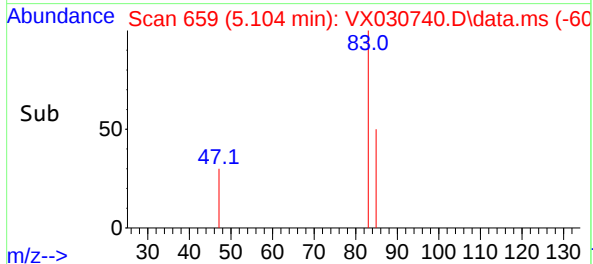
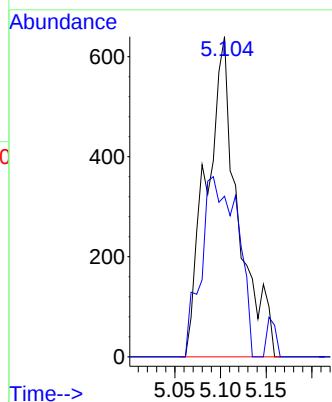
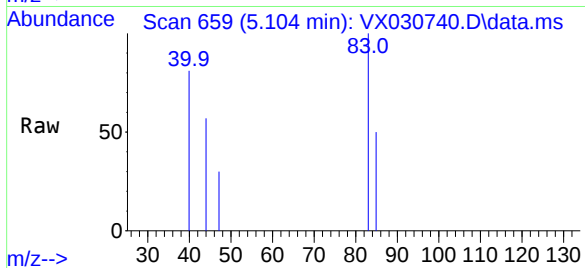
ClientSampleId :

Tgt Ion: 83 Resp: 1541

Ion Ratio Lower Upper

83 100

85 50.2 51.5 77.3#



#31

Cyclohexane

Concen: 0.701 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX030740.D

Acq: 23 Aug 2022 18:25

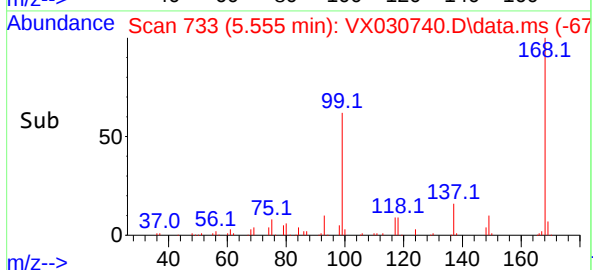
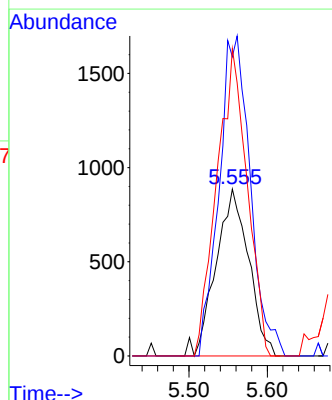
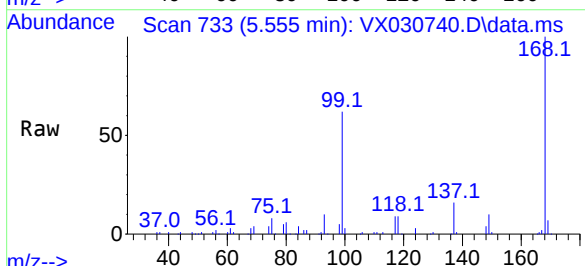
Tgt Ion: 56 Resp: 2568

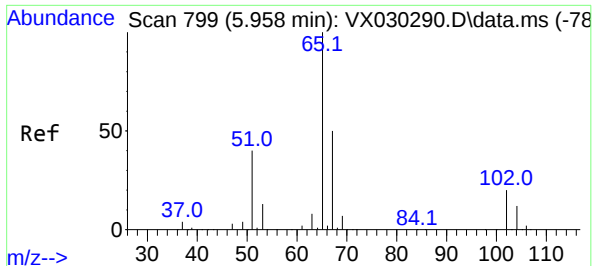
Ion Ratio Lower Upper

56 100

69 179.3 25.4 38.0#

84 184.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 60.316 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX030740.D

Acq: 23 Aug 2022 18:25

Instrument :

MSVOA_X

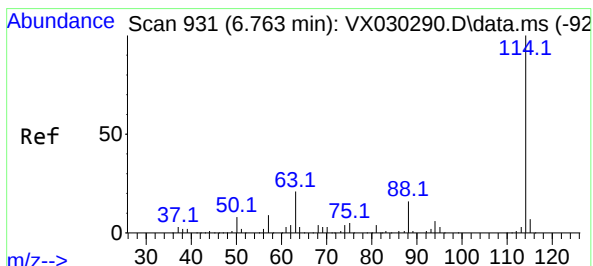
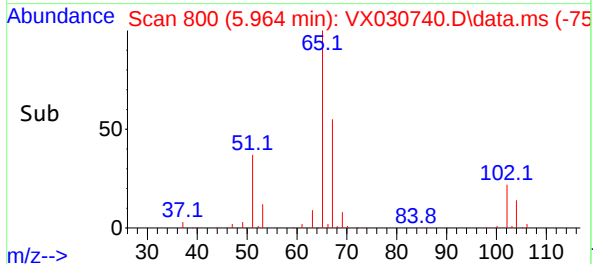
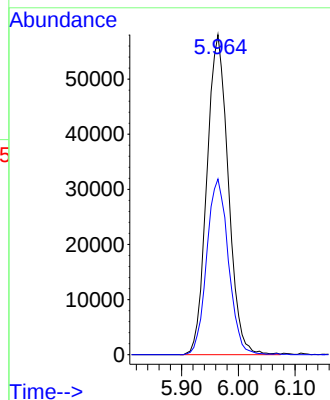
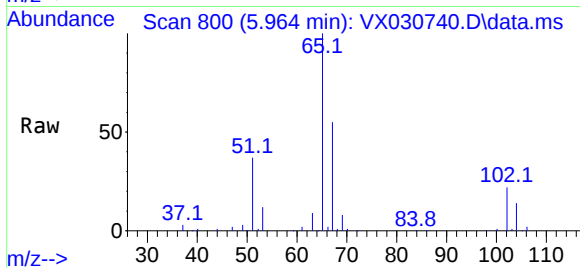
ClientSampleId :

Tgt Ion: 65 Resp: 152085

Ion Ratio Lower Upper

65 100

67 55.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030740.D

Acq: 23 Aug 2022 18:25

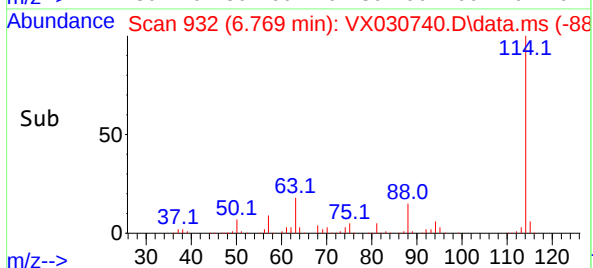
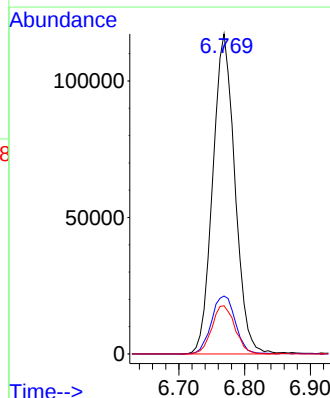
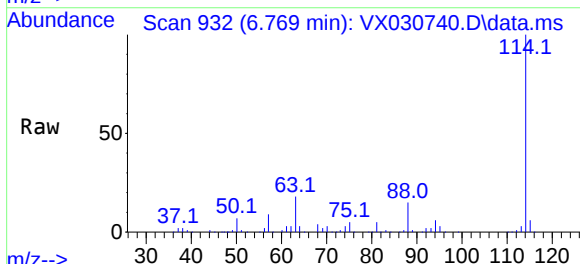
Tgt Ion: 114 Resp: 274868

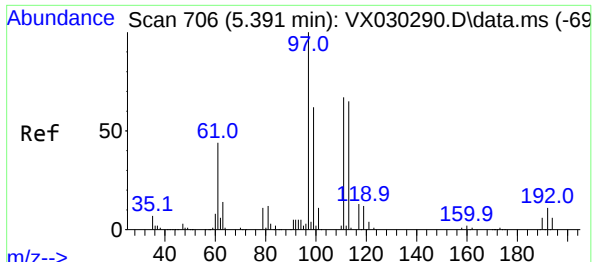
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

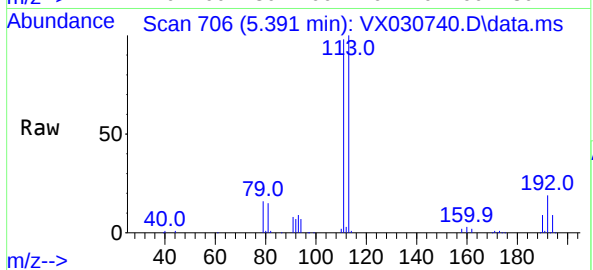
88 15.0 0.0 31.8



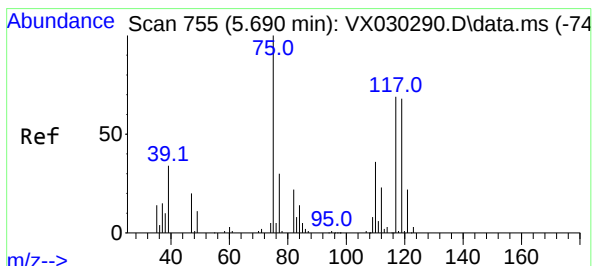
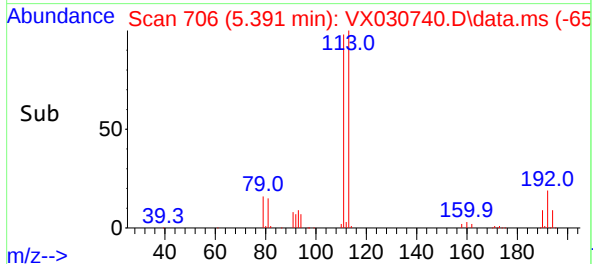
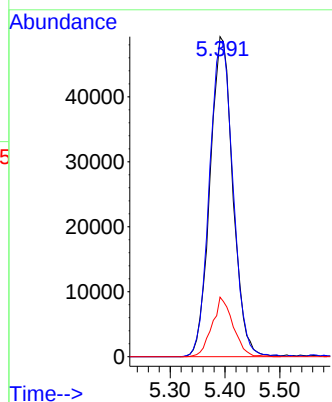


#35
Dibromofluoromethane
Concen: 54.017 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Instrument :
MSVOA_X
ClientSampleId :

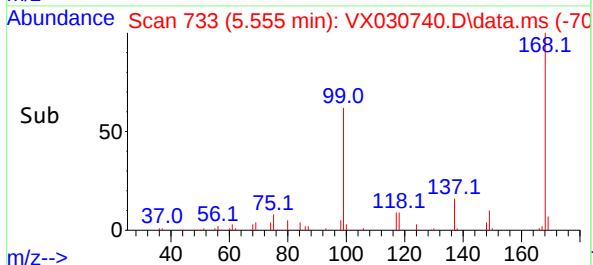
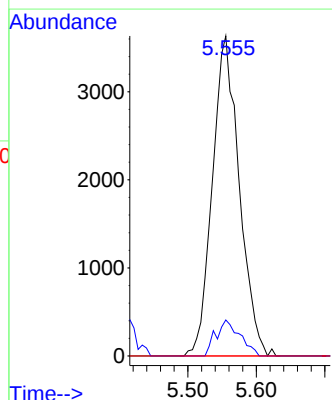
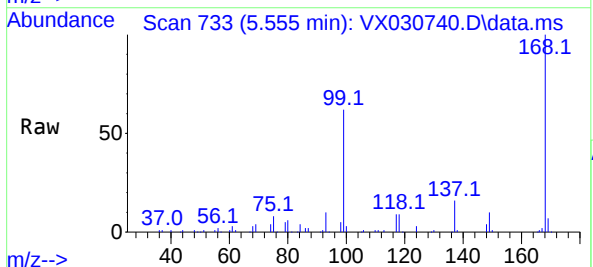


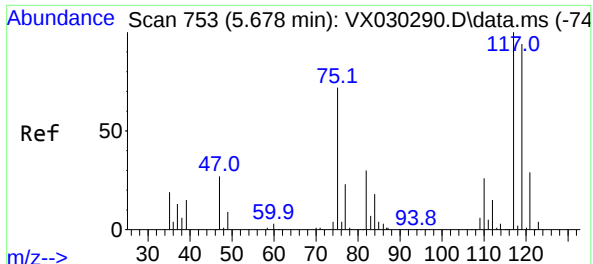
Tgt Ion:113 Resp: 141934
Ion Ratio Lower Upper
113 100
111 102.1 83.2 124.8
192 17.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 2.619 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

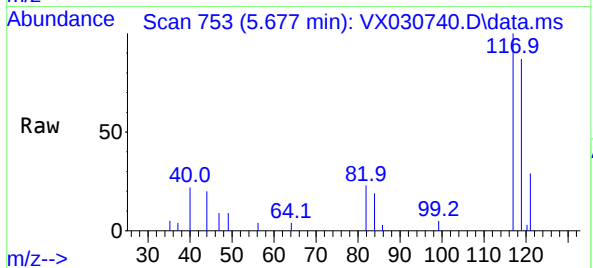
Tgt Ion: 75 Resp: 9903
Ion Ratio Lower Upper
75 100
110 10.1 19.3 57.9#
77 0.0 24.4 36.6#



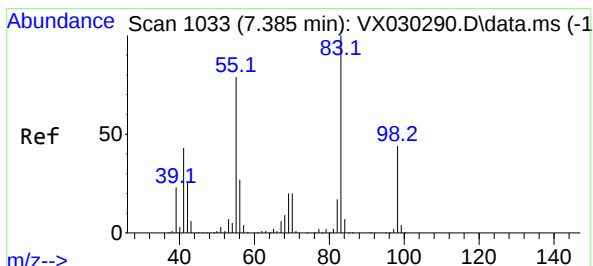
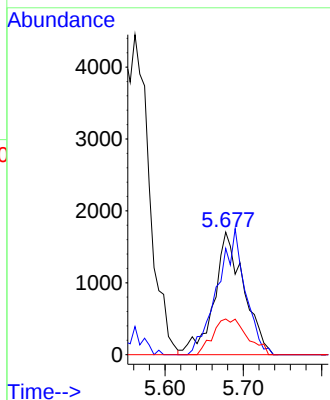
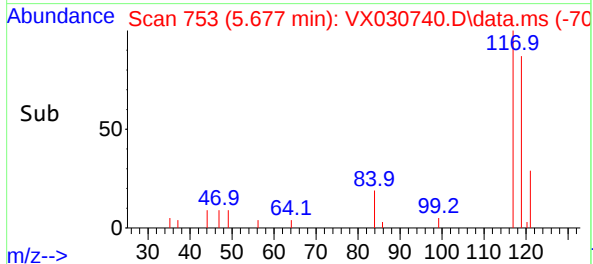


#38
Carbon Tetrachloride
Concen: 1.273 ug/l
RT: 5.677 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

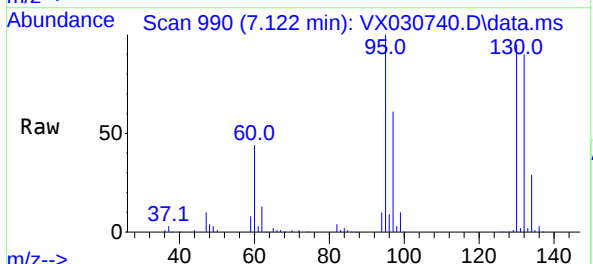
Instrument :
MSVOA_X
ClientSampleId :



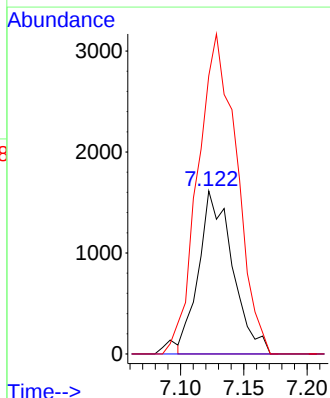
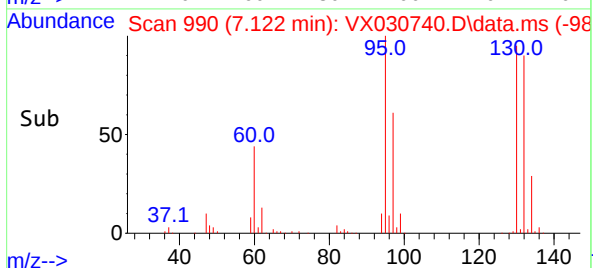
Tgt Ion:117 Resp: 4495
Ion Ratio Lower Upper
117 100
119 86.7 74.1 111.1
121 29.1 25.8 38.8

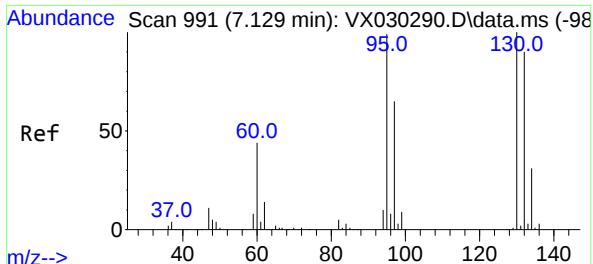


#39
Methylcyclohexane
Concen: 0.615 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25



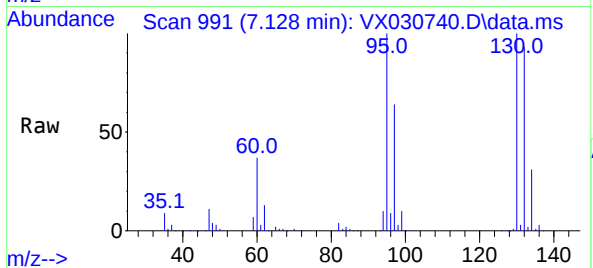
Tgt Ion: 83 Resp: 3004
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 170.6 36.5 54.7#



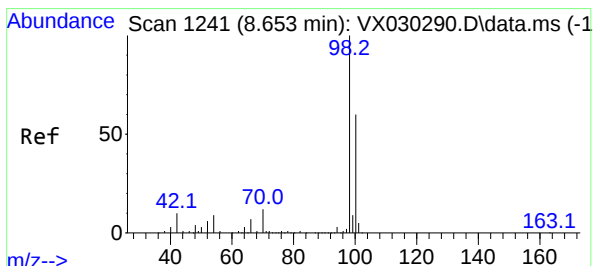
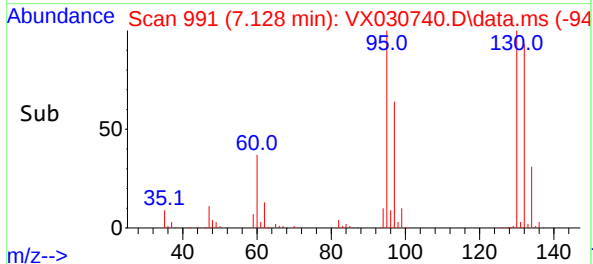
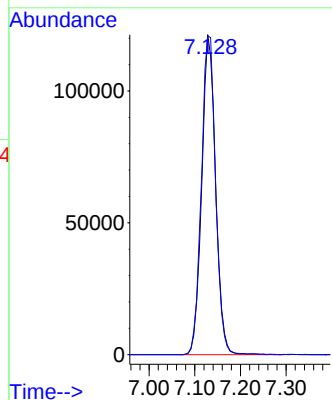


#44
Trichloroethene
Concen: 78.445 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Instrument :
MSVOA_X
ClientSampleId :

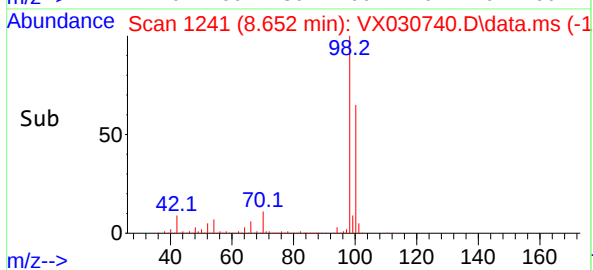
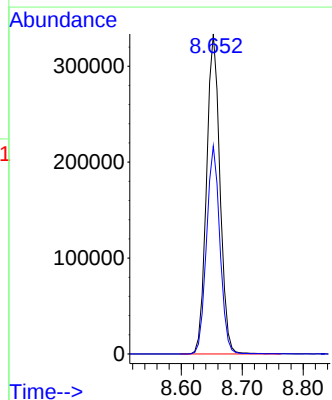
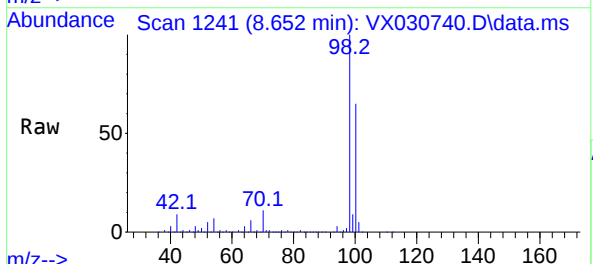


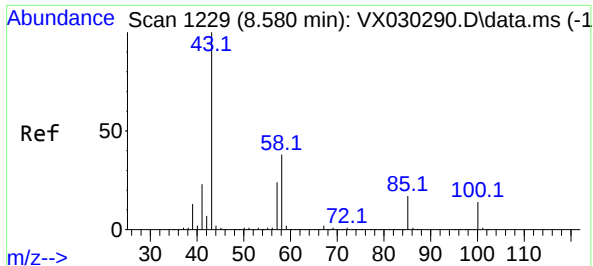
Tgt Ion:130 Resp: 255018
Ion Ratio Lower Upper
130 100
95 99.6 0.0 194.8



#50
Toluene-d8
Concen: 50.186 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Tgt Ion: 98 Resp: 510682
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.358 ug/l

RT: 8.646 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX030740.D

Acq: 23 Aug 2022 18:25

Instrument :

MSVOA_X

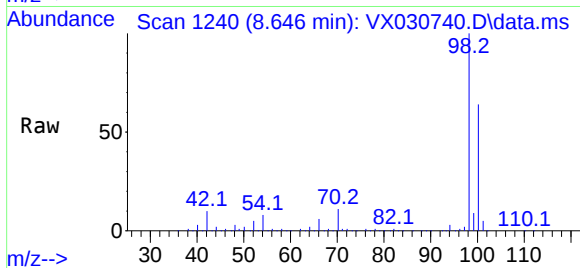
ClientSampleId :

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

43 100

58 207.8 31.4 47.2#



Abundance

2500

2000

1500

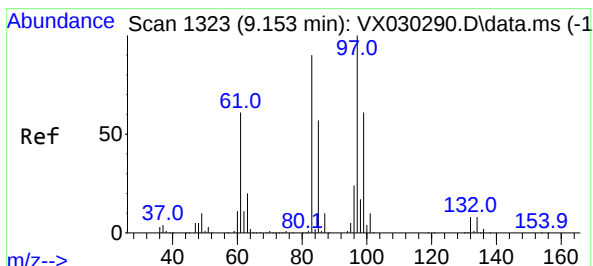
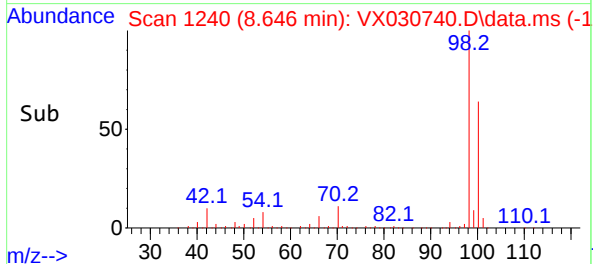
1000

500

0

8.646

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.435 ug/l

RT: 9.158 min Scan# 1324

Delta R.T. 0.000 min

Lab File: VX030740.D

Acq: 23 Aug 2022 18:25

Tgt Ion: 97 Resp: 1343

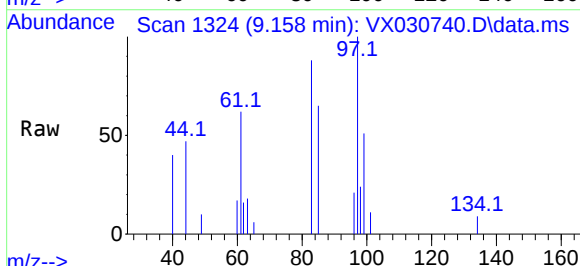
Ion Ratio Lower Upper

97 100

83 87.8 68.9 103.3

85 64.5 44.0 66.0

99 51.2 48.3 72.5



Abundance

800

600

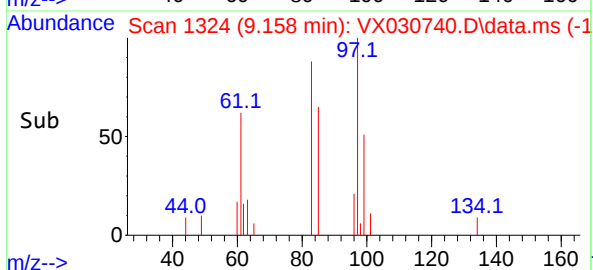
400

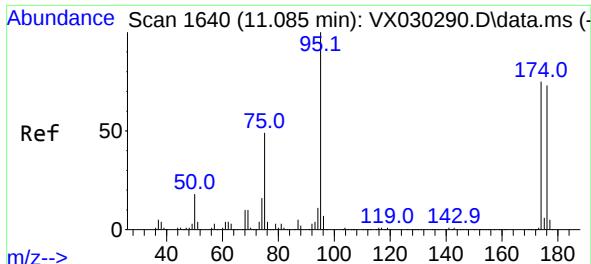
200

0

9.158

Time-->

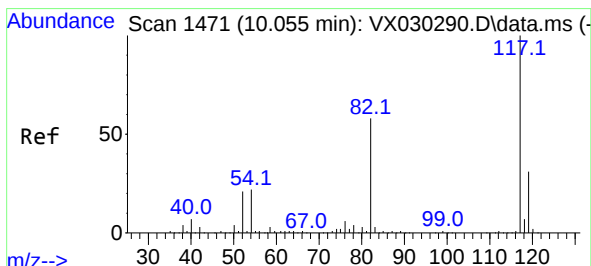
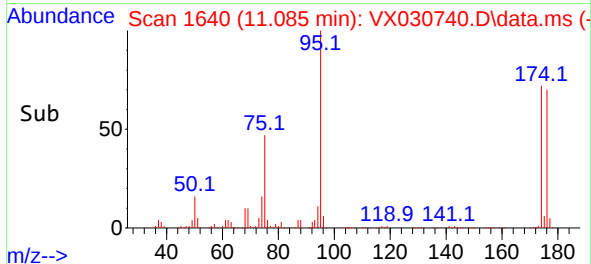
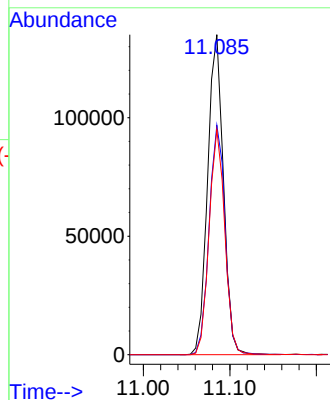
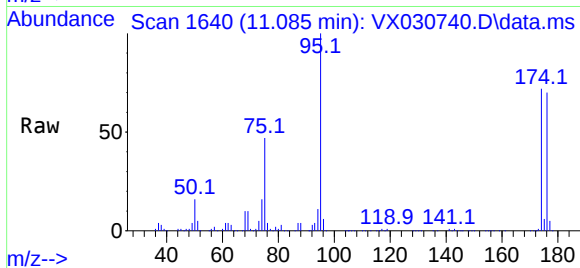




#62
4-Bromofluorobenzene
Concen: 45.287 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

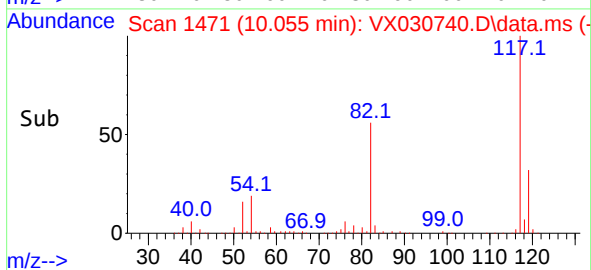
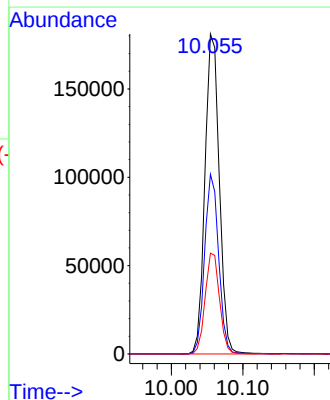
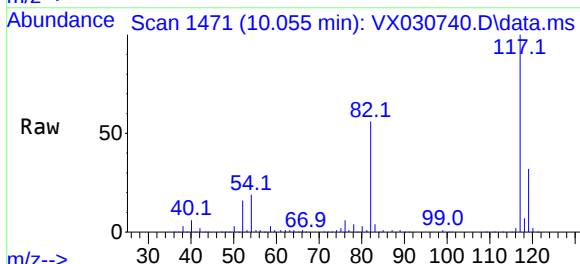
Instrument :
MSVOA_X
ClientSampleId :

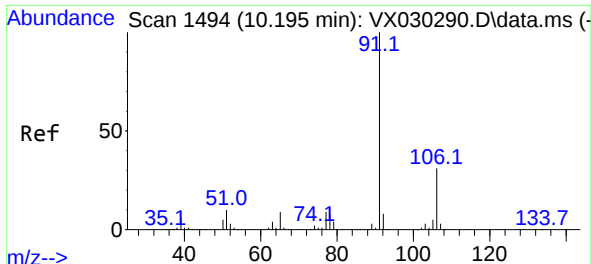
Tgt Ion: 95 Resp: 171025
Ion Ratio Lower Upper
95 100
174 72.7 0.0 149.0
176 69.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Tgt Ion: 117 Resp: 253686
Ion Ratio Lower Upper
117 100
82 56.1 42.7 64.1
119 31.5 25.4 38.2

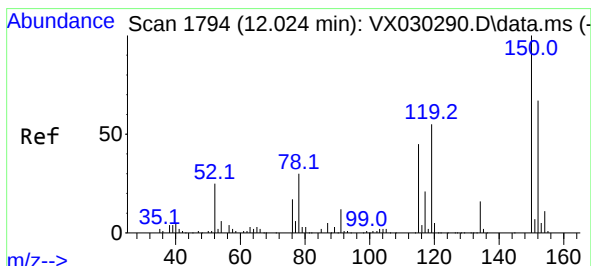
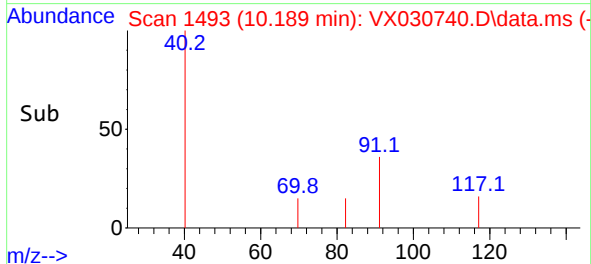
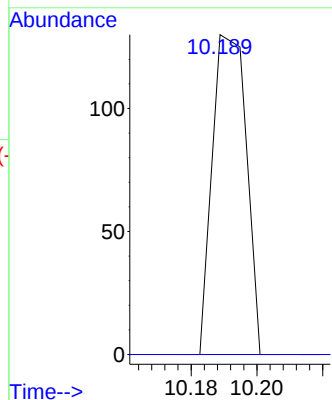
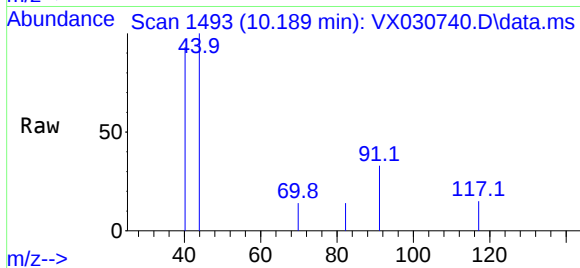




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.189 min Scan# 1494
Delta R.T. -0.006 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

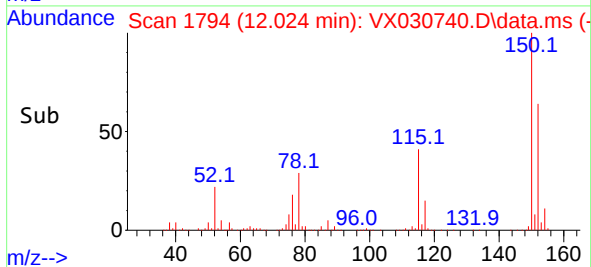
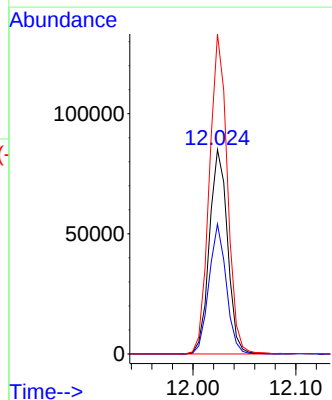
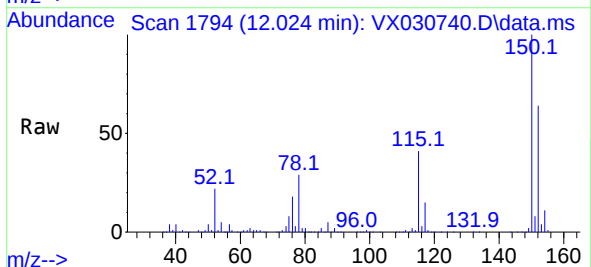
Instrument :
MSVOA_X
ClientSampleId :

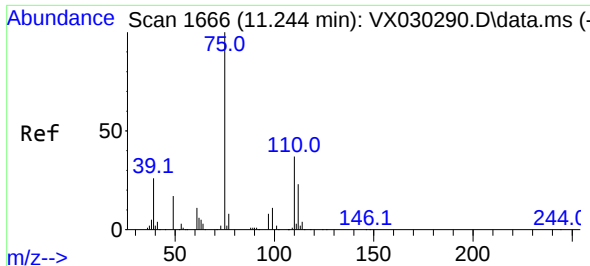
Tgt Ion: 91 Resp: 93
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Tgt Ion:152 Resp: 104208
Ion Ratio Lower Upper
152 100
115 60.7 40.5 121.5
150 155.4 0.0 347.0

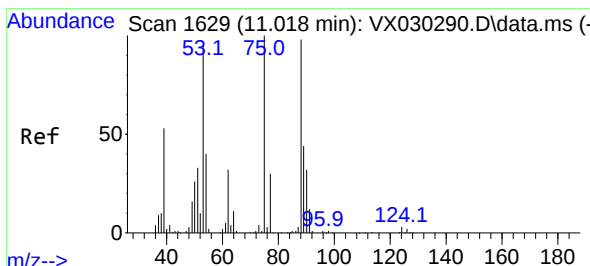
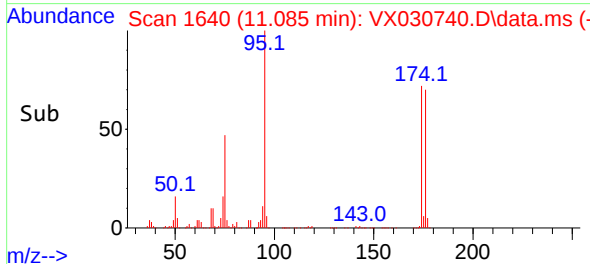
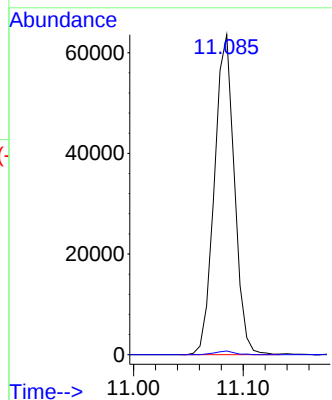
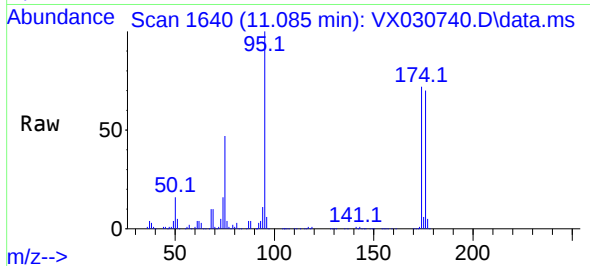




#76
1,2,3-Trichloropropane
Concen: 29.360 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 80648
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.078 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030740.D
Acq: 23 Aug 2022 18:25

Tgt Ion: 75 Resp: 80648
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

