

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030728.D
 Acq On : 23 Aug 2022 13:44
 Operator : JC/MD
 Sample : N4245-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 00:49:08 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)

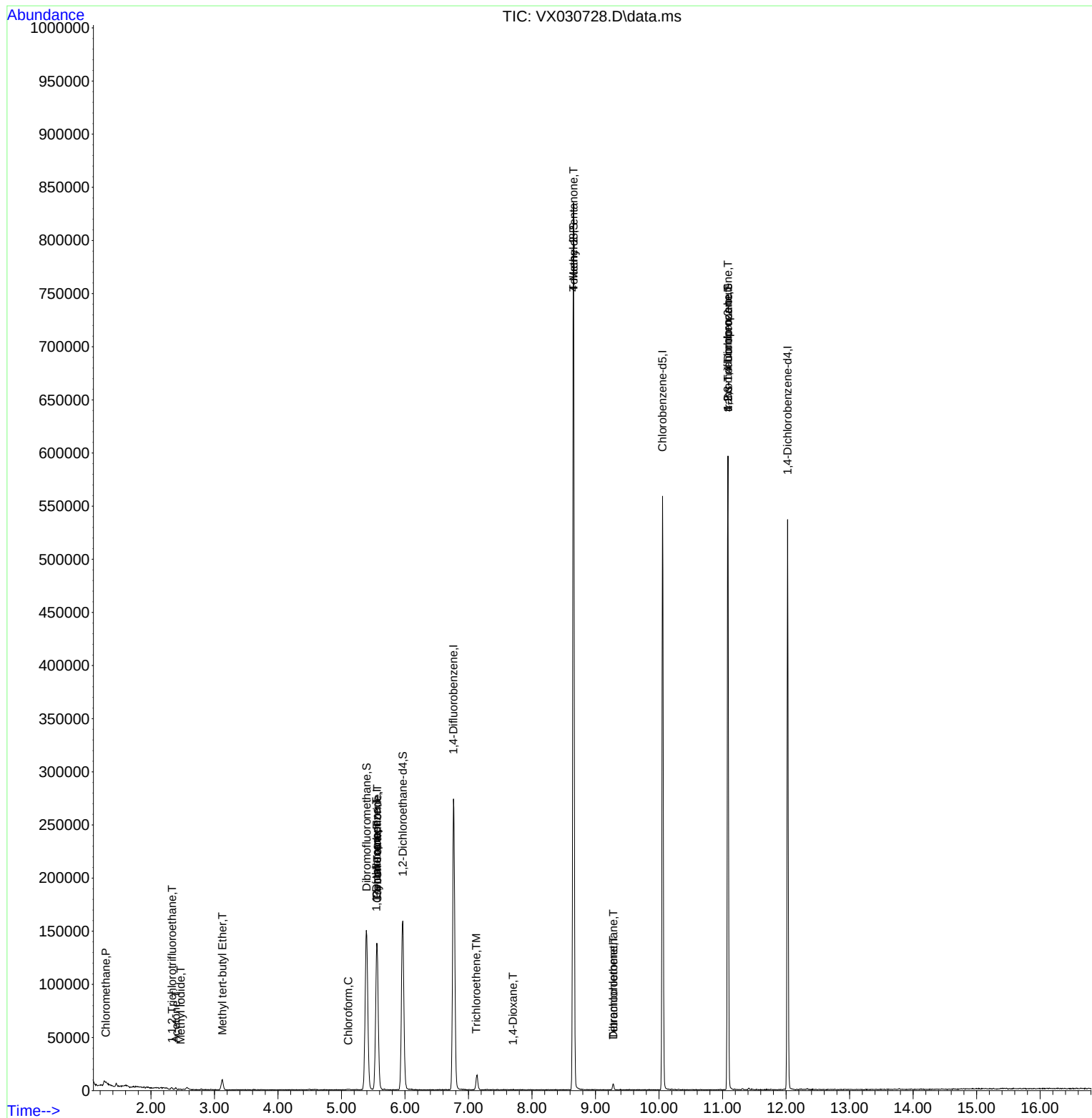
Internal Standards						
1) Pentafluorobenzene	5.556	168	128869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	285904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	150398	58.065	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.120%
35) Dibromofluoromethane	5.397	113	138872	50.811	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.620%
50) Toluene-d8	8.653	98	498371	47.086	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.180%
62) 4-Bromofluorobenzene	11.085	95	169707	43.203	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	457	0.219	ug/l #	74
5) Bromomethane	1.617	94	398	Below Cal	#	59
9) 1,1,2-Trichlorotrifluo...	2.331	101	706	0.343	ug/l #	85
10) Methyl Iodide	2.465	142	302	1.671	ug/l #	85
16) Acetone	2.392	43	1443	1.088	ug/l	94
19) Methyl tert-butyl Ether	3.123	73	10054	1.458	ug/l	95
20) Methylene Chloride	2.794	84	360	Below Cal	#	83
30) Chloroform	5.105	83	856	0.207	ug/l #	65
31) Cyclohexane	5.556	56	2363	0.628	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10605	2.696	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13661	3.720	ug/l #	18
44) Trichloroethene	7.123	130	5567	1.646	ug/l	99
49) 1,4-Dioxane	7.702	88	53	0.571	ug/l #	79
51) 4-Methyl-2-Pentanone	8.653	43	1831	0.330	ug/l #	1
60) Dibromochloromethane	9.281	129	1008	0.339	ug/l #	11
64) Tetrachloroethene	9.281	164	1001	0.361	ug/l #	73
67) Ethyl Benzene	10.201	91	245	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	81478	28.619	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	81478	85.855	ug/l #	12

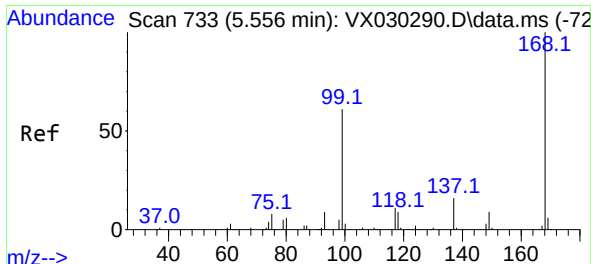
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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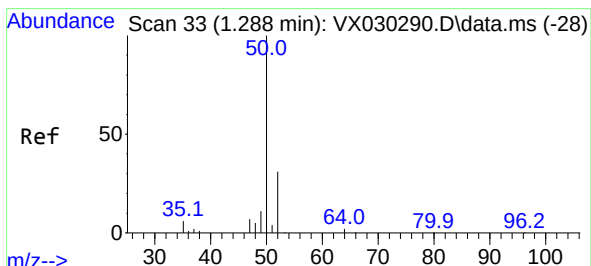
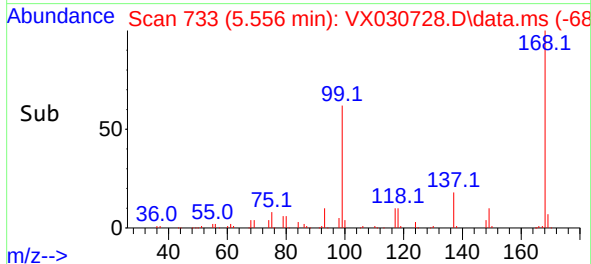
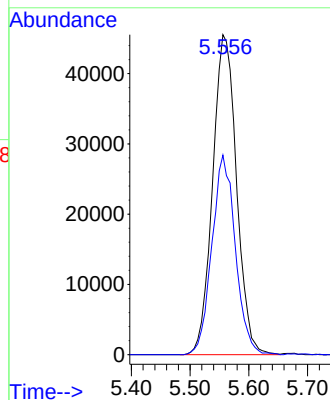
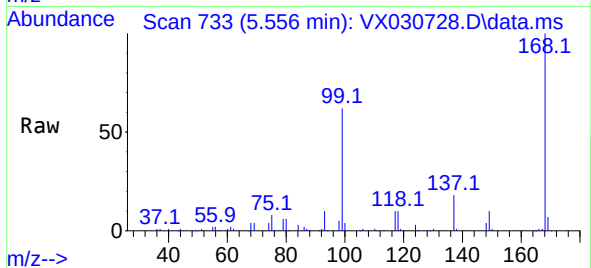




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

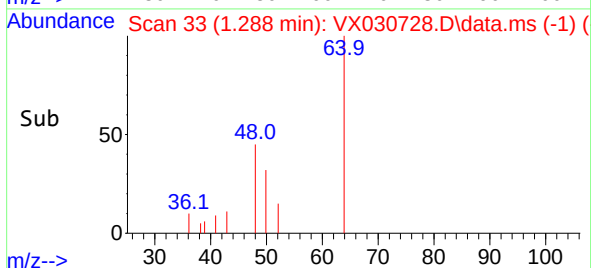
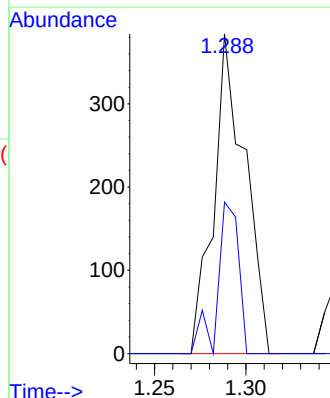
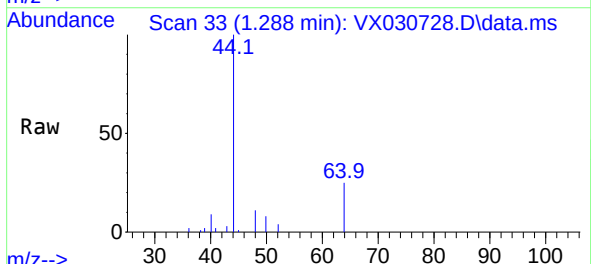
Instrument :
MSVOA_X
ClientSampleId :

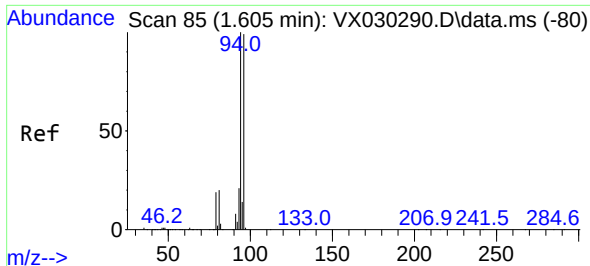
Tgt Ion:168 Resp: 128869
Ion Ratio Lower Upper
168 100
99 62.3 44.0 66.0



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion: 50 Resp: 457
Ion Ratio Lower Upper
50 100
52 47.4 26.3 39.5#

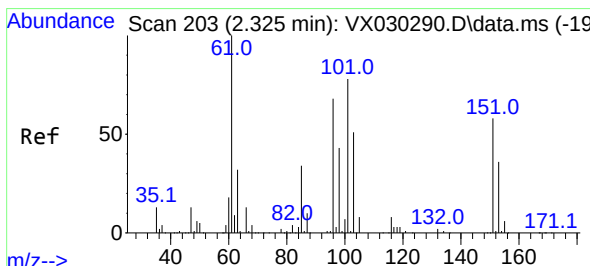
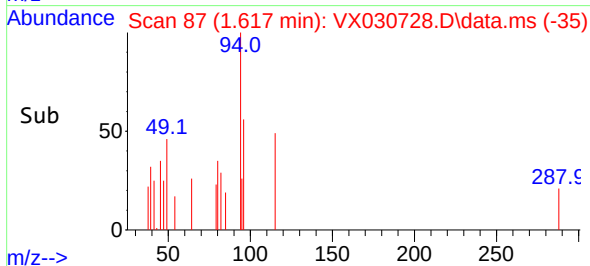
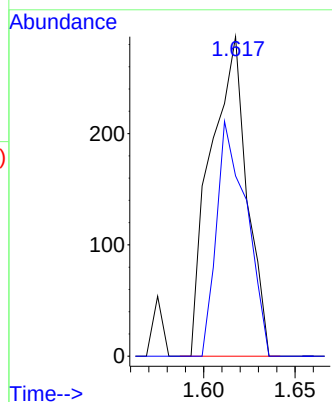
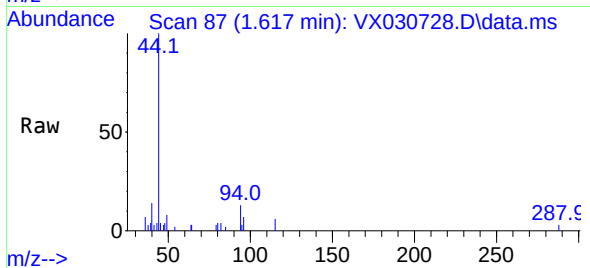




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

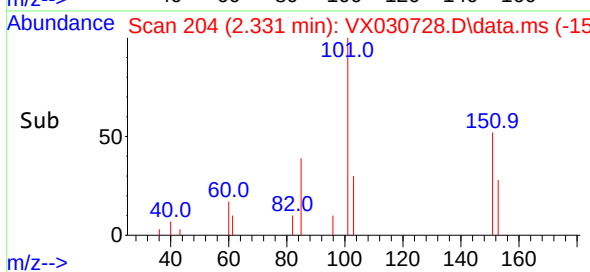
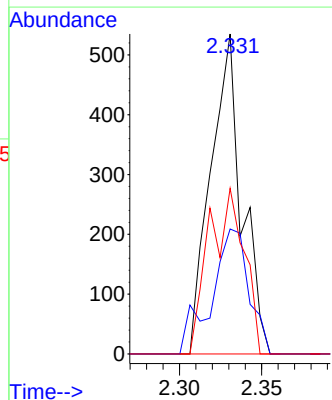
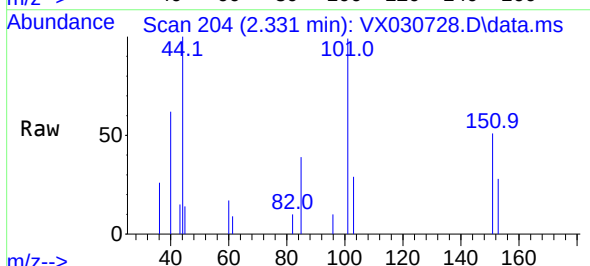
Instrument :
MSVOA_X
ClientSampleId :

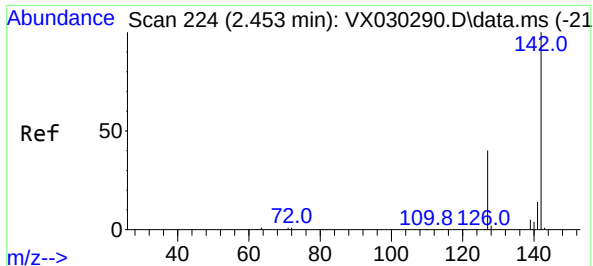
Tgt Ion: 94 Resp: 398
Ion Ratio Lower Upper
94 100
96 56.4 76.9 115.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.343 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion: 101 Resp: 706
Ion Ratio Lower Upper
101 100
85 47.2 34.0 51.0
151 58.4 59.4 89.0#

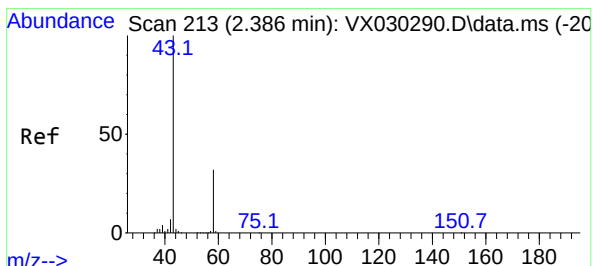
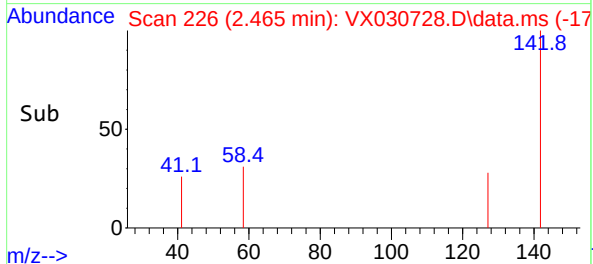
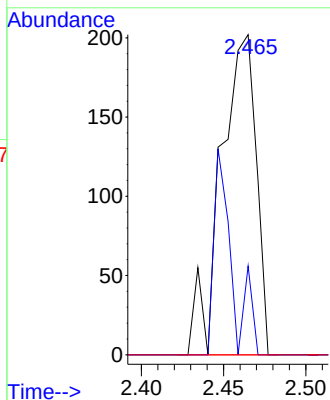
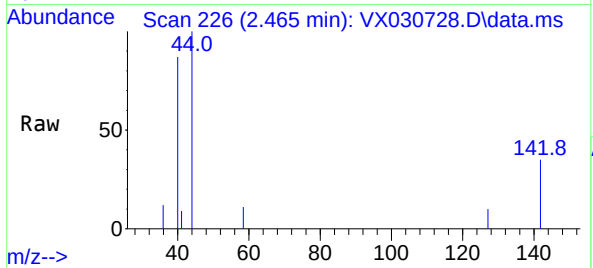




#10
Methyl Iodide
Concen: 1.671 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.019 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

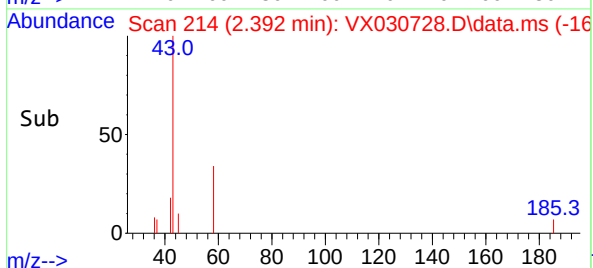
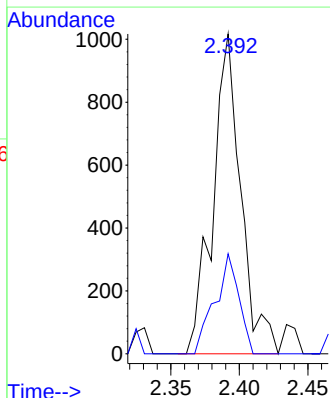
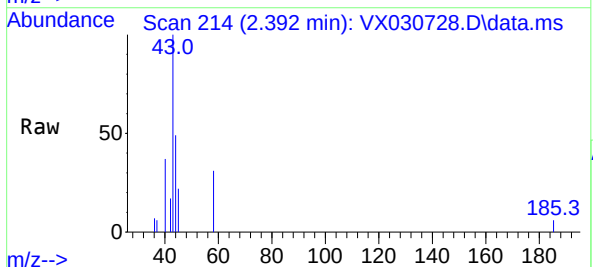
Instrument :
MSVOA_X
ClientSampleId :

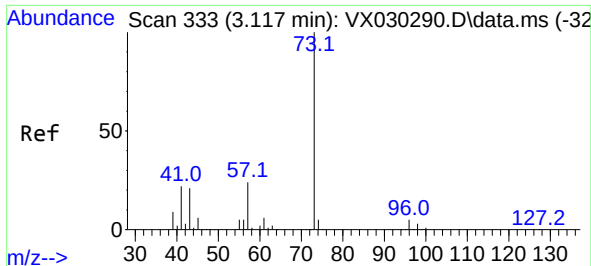
Tgt Ion:142 Resp: 302
Ion Ratio Lower Upper
142 100
127 32.8 30.2 45.2
141 0.0 11.3 16.9#



#16
Acetone
Concen: 1.088 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
58 31.3 27.7 41.5

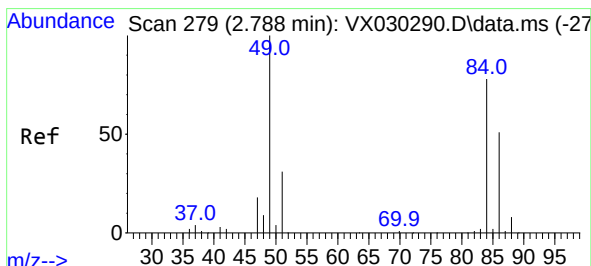
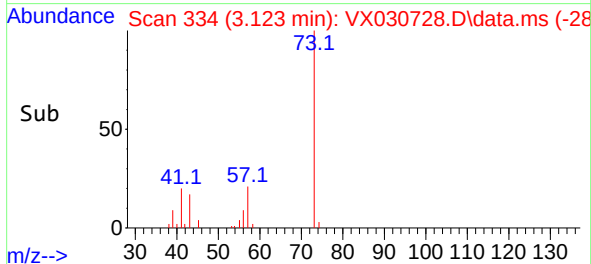
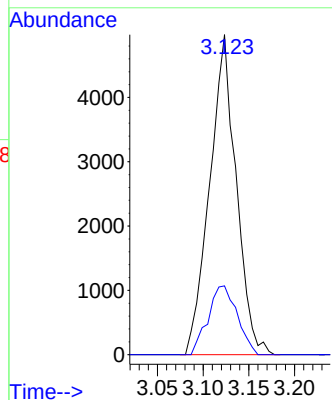
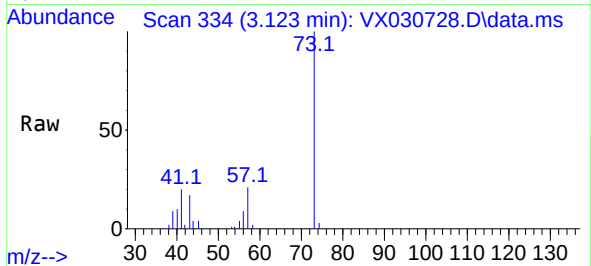




#19
Methyl tert-butyl Ether
Concen: 1.458 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

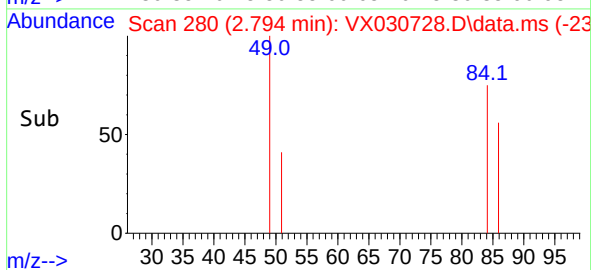
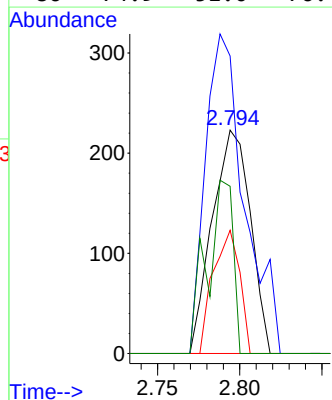
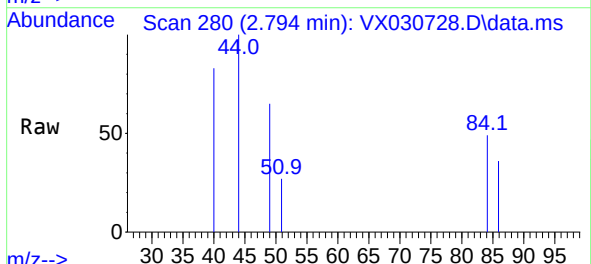
Instrument :
MSVOA_X
ClientSampleId :

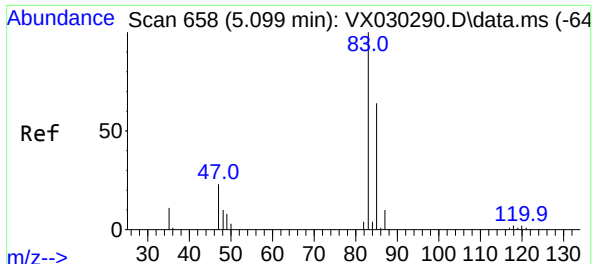
Tgt Ion: 73 Resp: 10054
Ion Ratio Lower Upper
73 100
57 21.5 19.0 28.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion: 84 Resp: 360
Ion Ratio Lower Upper
84 100
49 133.2 93.8 140.6
51 55.2 29.4 44.0#
86 74.9 51.0 76.4





#30

Chloroform

Concen: 0.207 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX030728.D

Acq: 23 Aug 2022 13:44

Instrument :

MSVOA_X

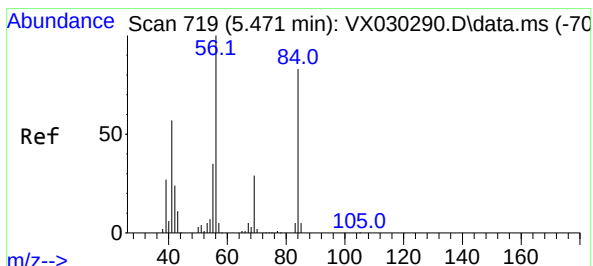
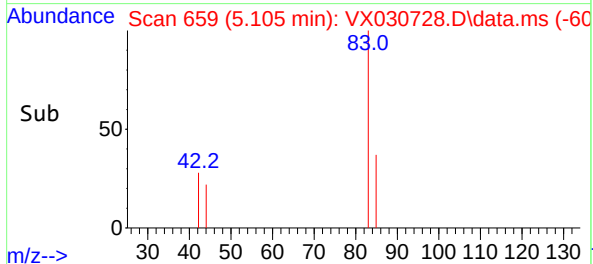
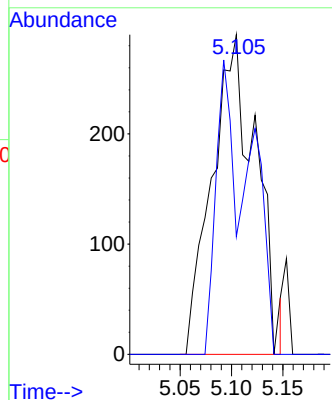
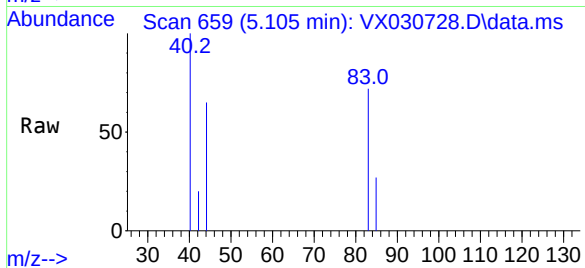
ClientSampleId :

Tgt Ion: 83 Resp: 856

Ion Ratio Lower Upper

83 100

85 36.9 51.5 77.3#



#31

Cyclohexane

Concen: 0.628 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030728.D

Acq: 23 Aug 2022 13:44

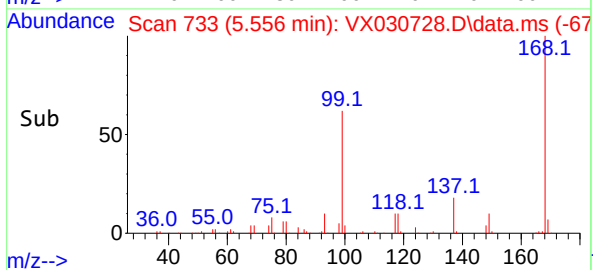
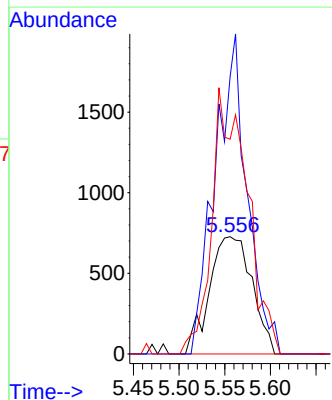
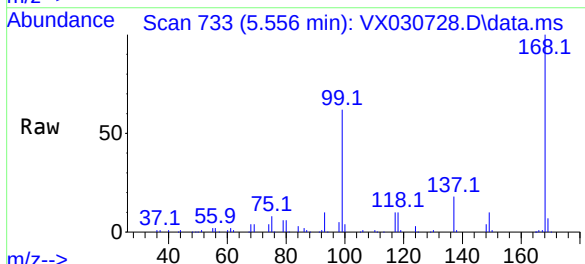
Tgt Ion: 56 Resp: 2363

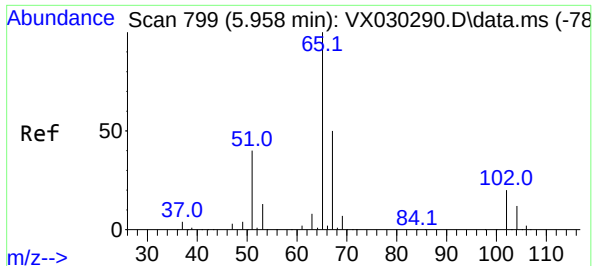
Ion Ratio Lower Upper

56 100

69 236.6 25.4 38.0#

84 183.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 58.065 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030728.D

Acq: 23 Aug 2022 13:44

Instrument :

MSVOA_X

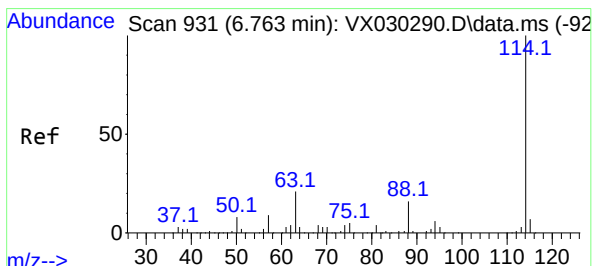
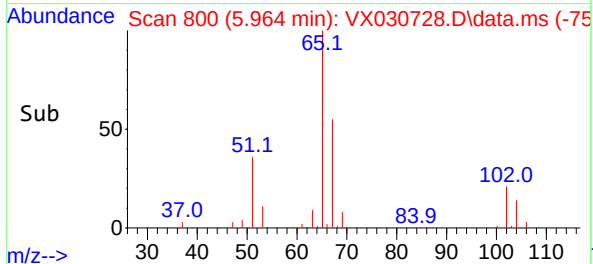
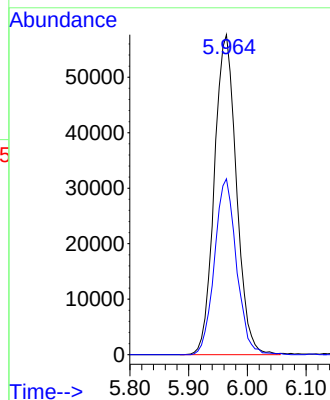
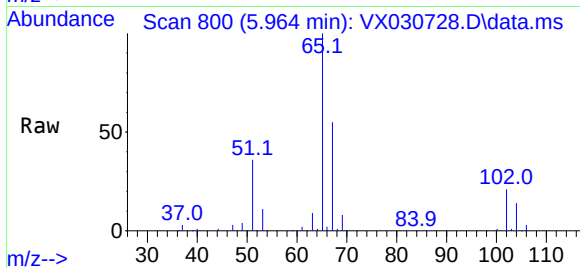
ClientSampleId :

Tgt Ion: 65 Resp: 150398

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030728.D

Acq: 23 Aug 2022 13:44

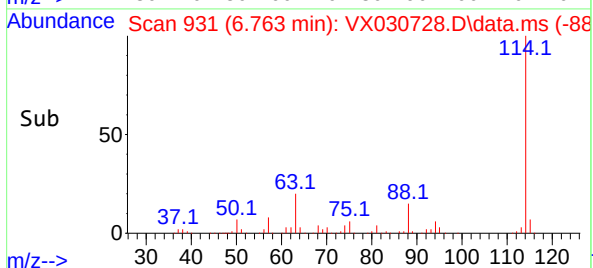
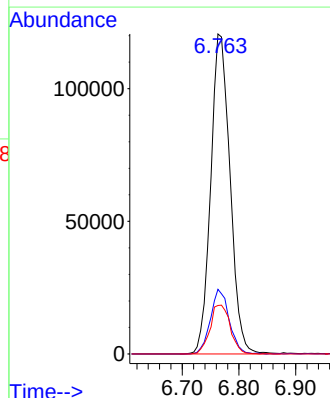
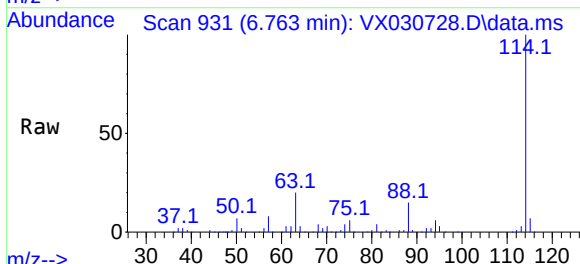
Tgt Ion: 114 Resp: 285904

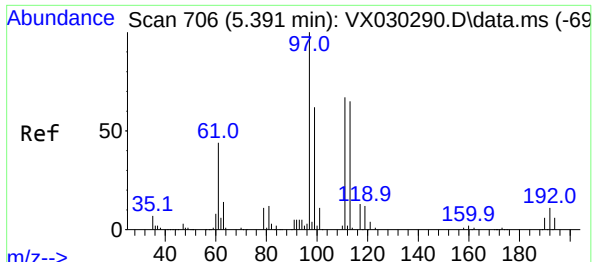
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

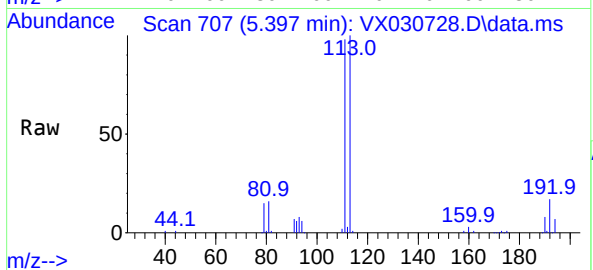
88 15.1 0.0 31.8



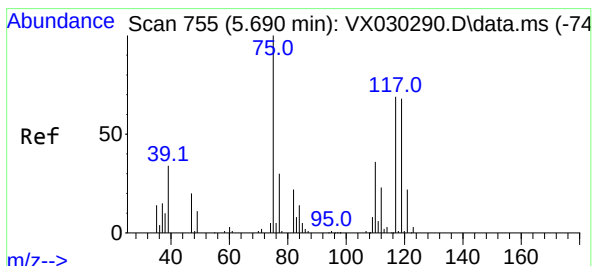
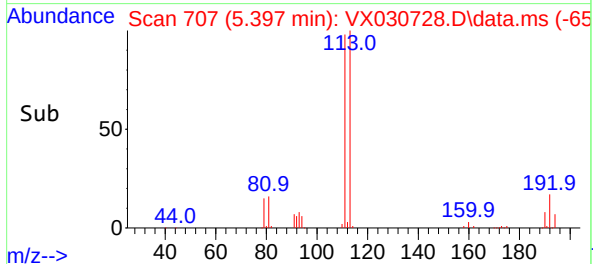
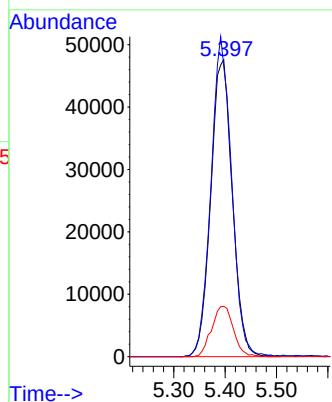


#35
Dibromofluoromethane
Concen: 50.811 ug/l
RT: 5.397 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Instrument :
MSVOA_X
ClientSampleId :

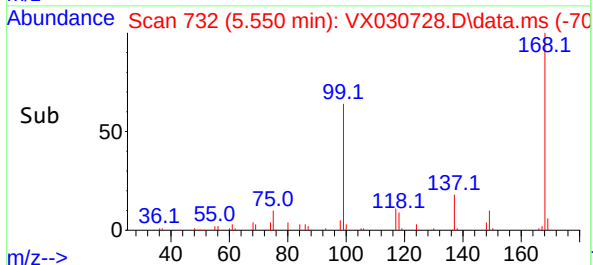
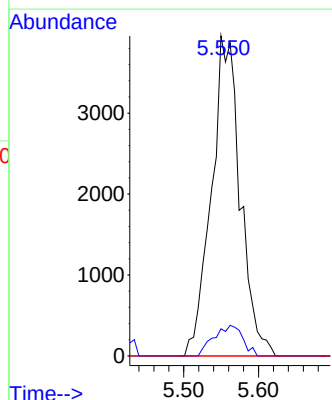
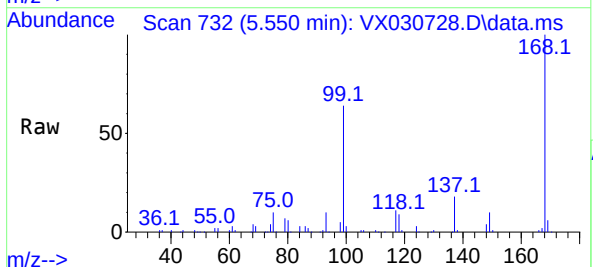


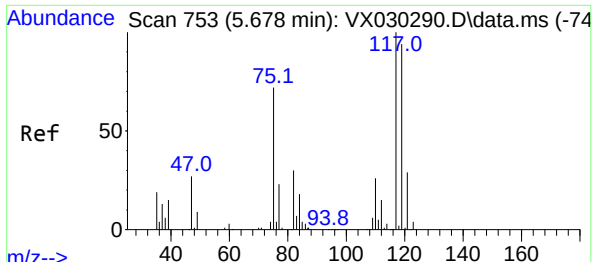
Tgt Ion:113 Resp: 138872
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 17.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 2.696 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

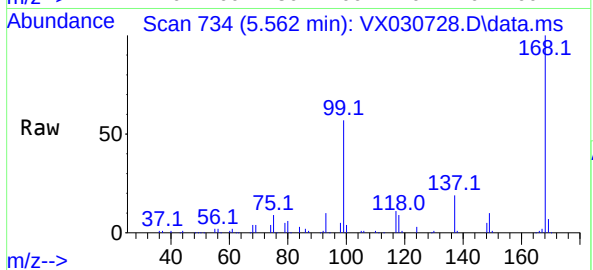
Tgt Ion: 75 Resp: 10605
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 24.4 36.6#



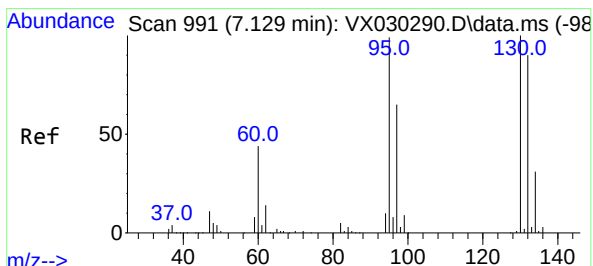
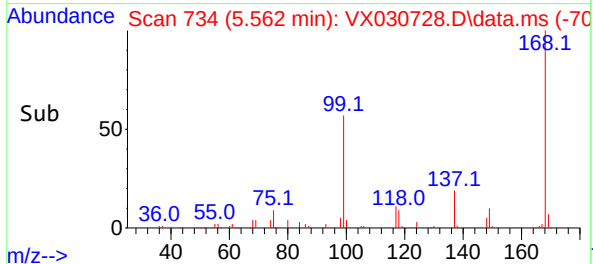
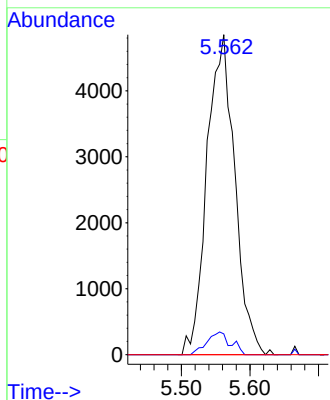


#38
Carbon Tetrachloride
Concen: 3.720 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Instrument :
MSVOA_X
ClientSampleId :

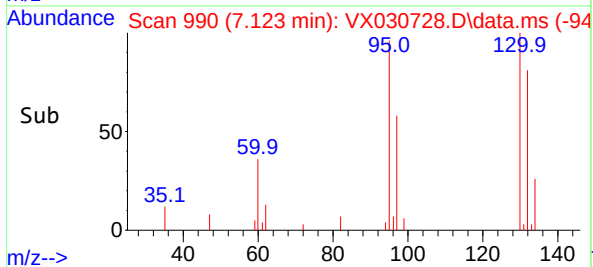
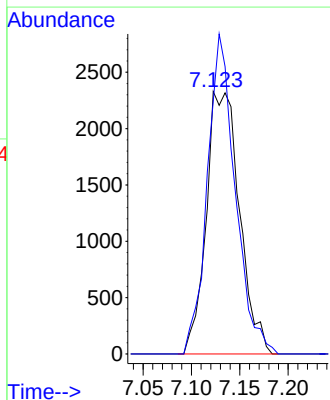
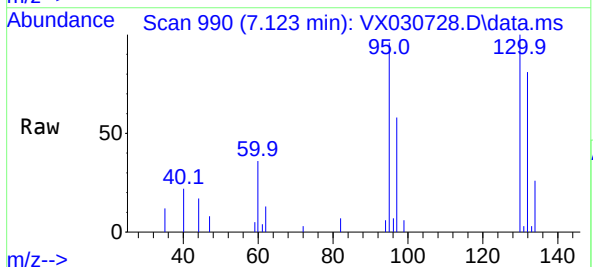


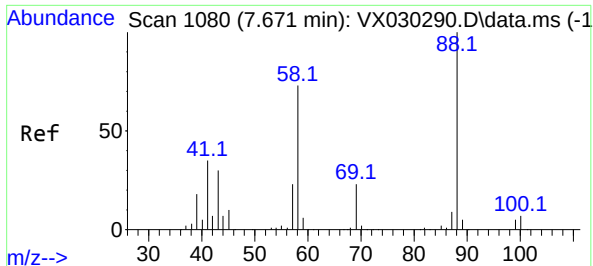
Tgt Ion:117 Resp: 13661
Ion Ratio Lower Upper
117 100
119 6.5 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 1.646 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.005 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion:130 Resp: 5567
Ion Ratio Lower Upper
130 100
95 96.4 0.0 194.8





#49

1,4-Dioxane

Concen: 0.571 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.037 min

Lab File: VX030728.D

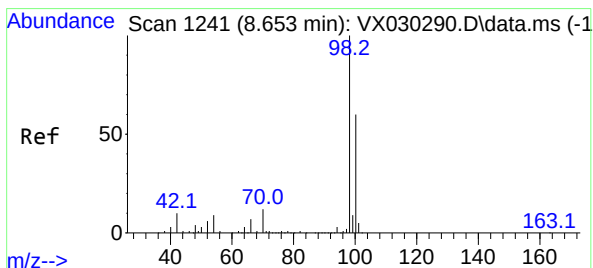
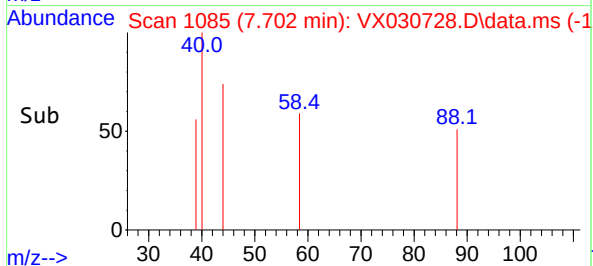
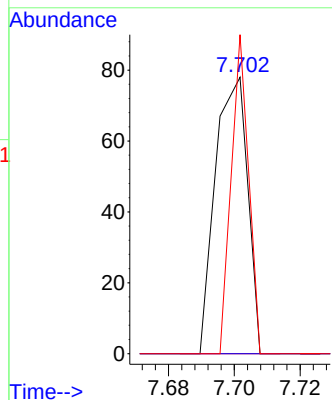
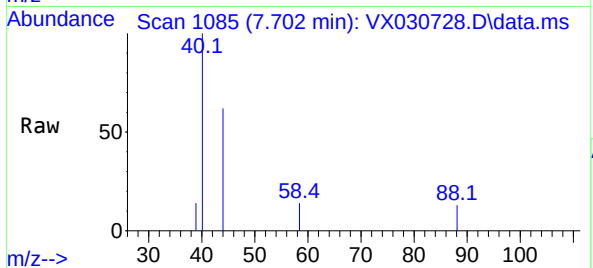
Acq: 23 Aug 2022 13:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	53
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	62.3	53.8	80.6



#50

Toluene-d8

Concen: 47.086 ug/l

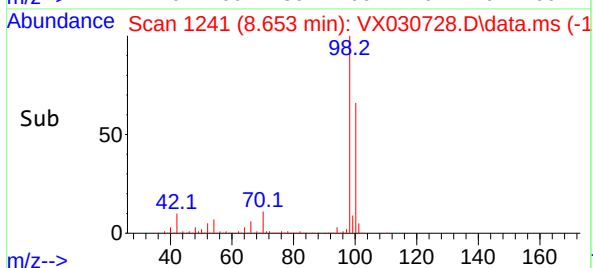
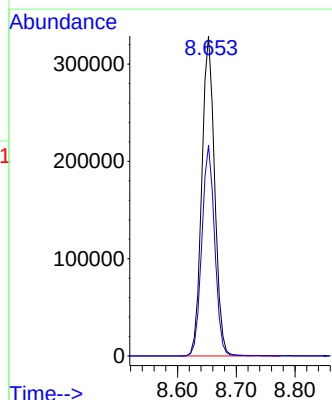
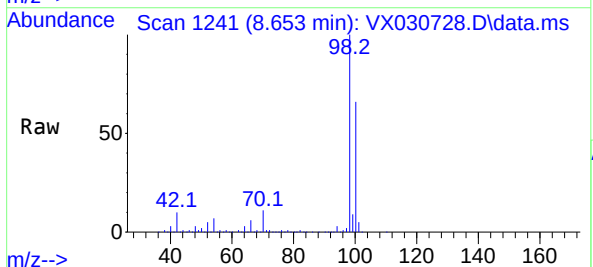
RT: 8.653 min Scan# 1241

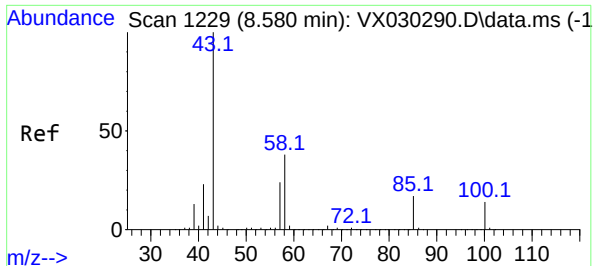
Delta R.T. 0.001 min

Lab File: VX030728.D

Acq: 23 Aug 2022 13:44

Tgt Ion:	98	Resp:	498371
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 0.330 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX030728.D

Acq: 23 Aug 2022 13:44

Instrument :

MSVOA_X

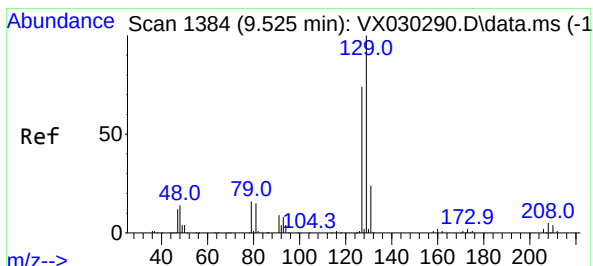
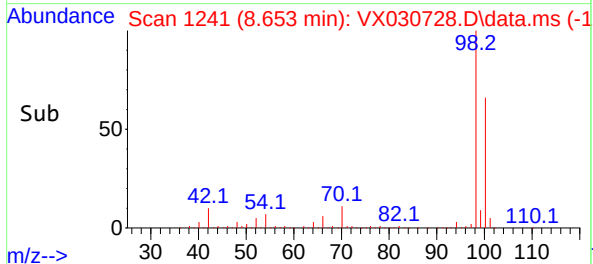
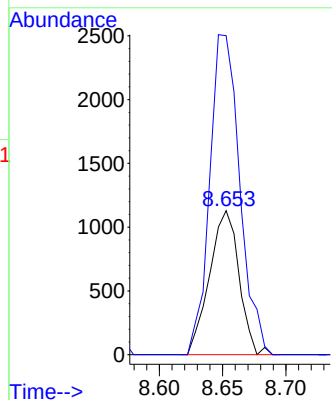
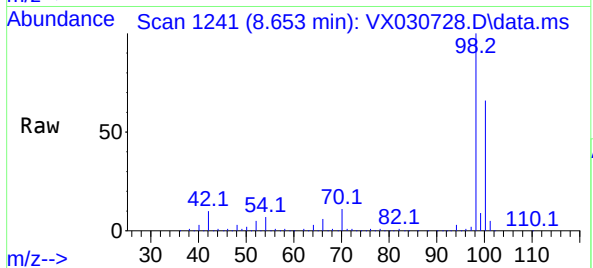
ClientSampleId :

Tgt Ion: 43 Resp: 1831

Ion Ratio Lower Upper

43 100

58 226.7 31.4 47.2#



#60

Dibromochloromethane

Concen: 0.339 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.243 min

Lab File: VX030728.D

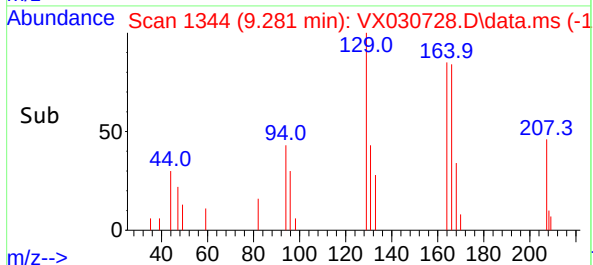
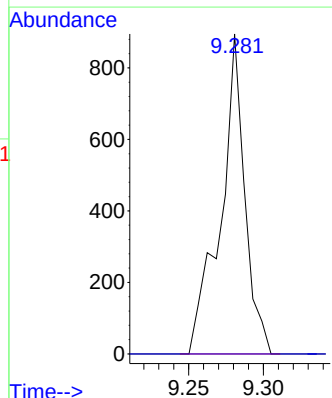
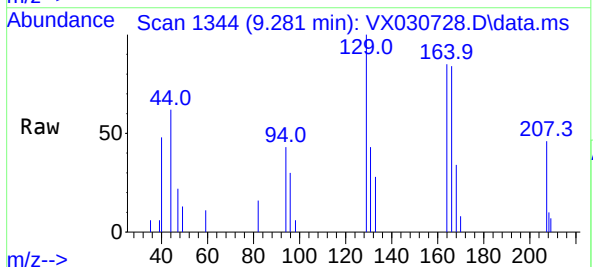
Acq: 23 Aug 2022 13:44

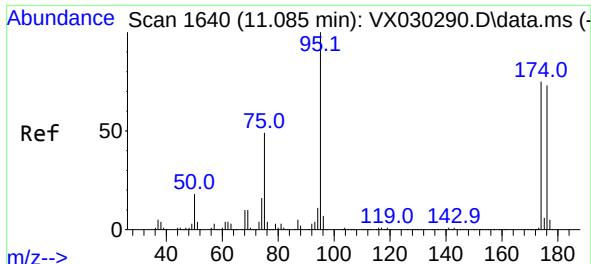
Tgt Ion: 129 Resp: 1008

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

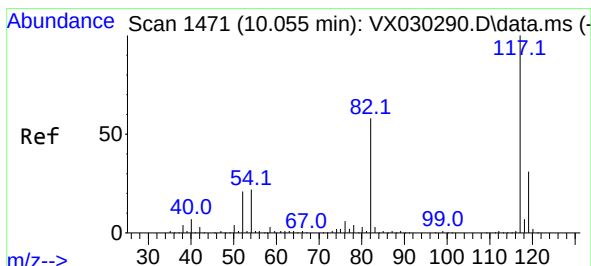
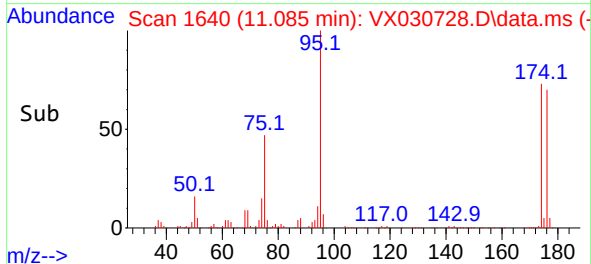
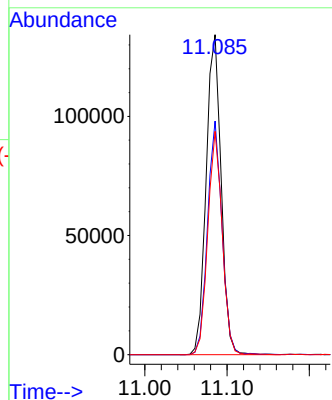
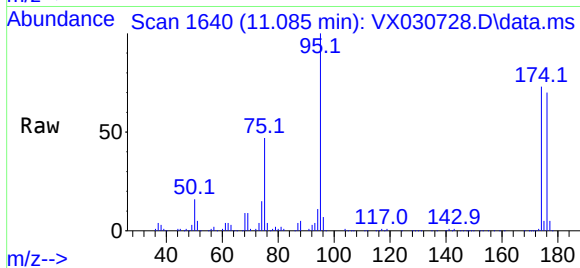




#62
4-Bromofluorobenzene
Concen: 43.203 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

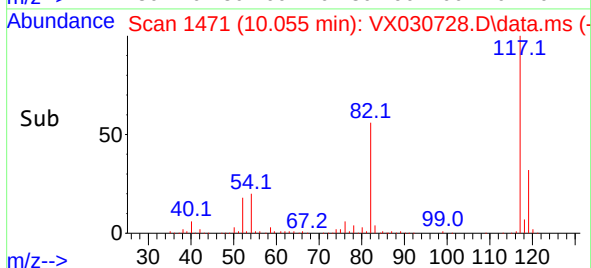
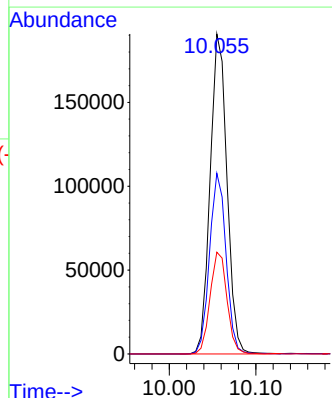
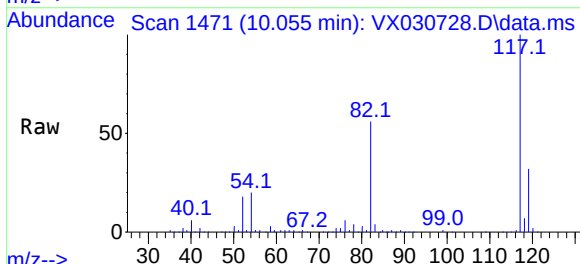
Instrument :
MSVOA_X
ClientSampleId :

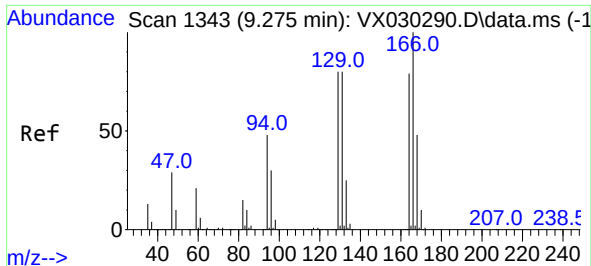
Tgt Ion: 95 Resp: 169707
Ion Ratio Lower Upper
95 100
174 70.8 0.0 149.0
176 67.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion: 117 Resp: 257918
Ion Ratio Lower Upper
117 100
82 56.5 42.7 64.1
119 31.8 25.4 38.2



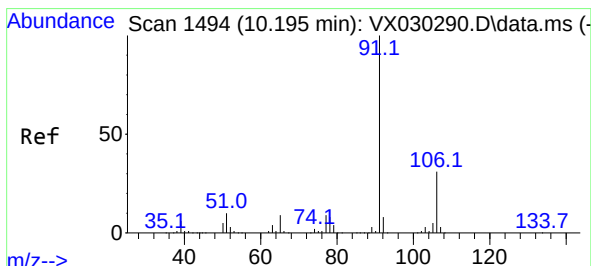
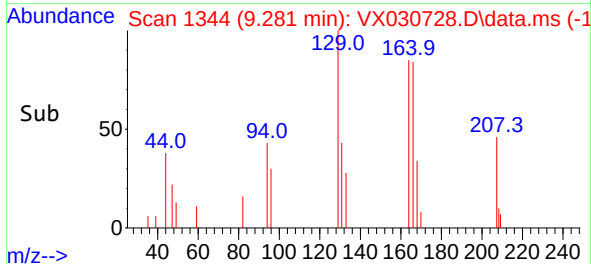
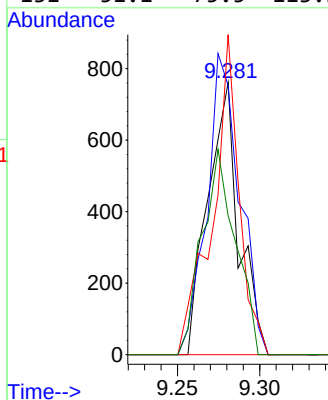
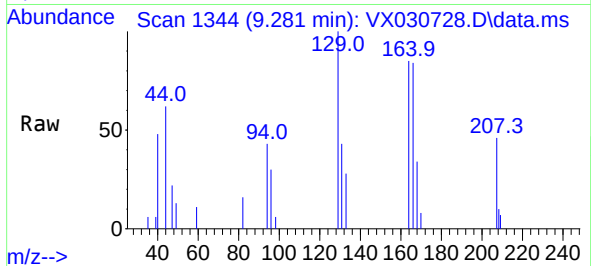


#64
Tetrachloroethene
Concen: 0.361 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:164 Resp: 1001

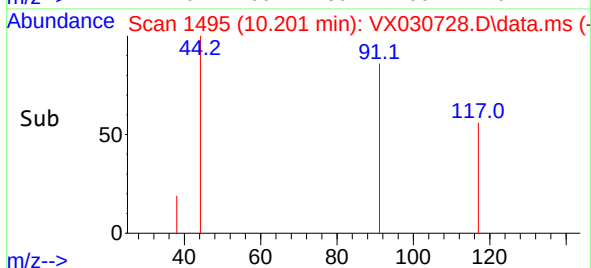
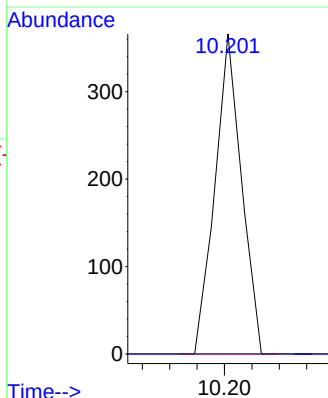
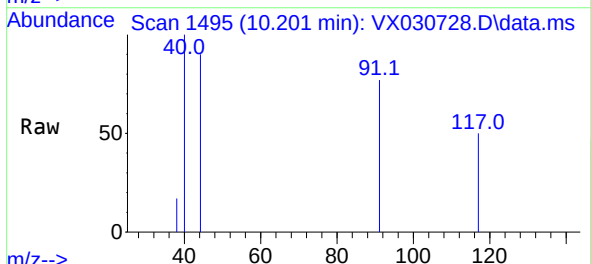
Ion	Ratio	Lower	Upper
164	100		
166	98.9	98.2	147.4
129	117.6	80.8	121.2
131	51.1	75.5	113.3#

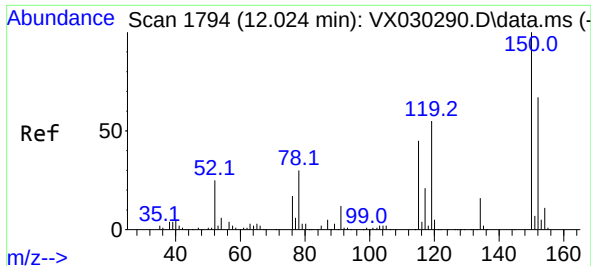


#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion: 91 Resp: 245

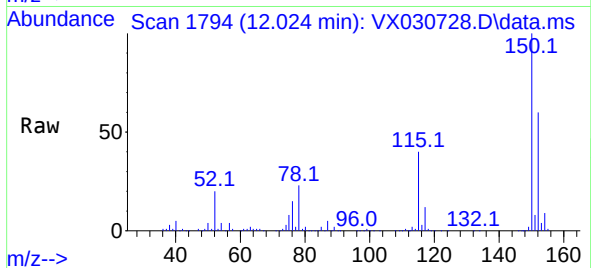
Ion	Ratio	Lower	Upper
91	100		
106	0.0	25.5	38.3#



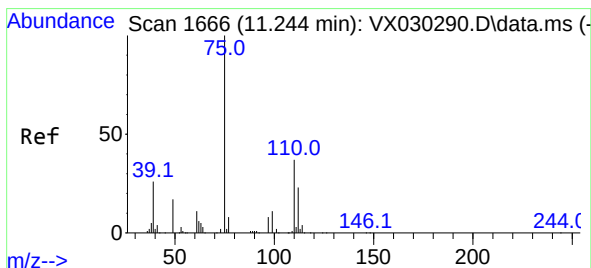
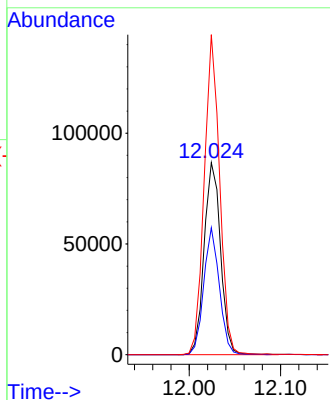
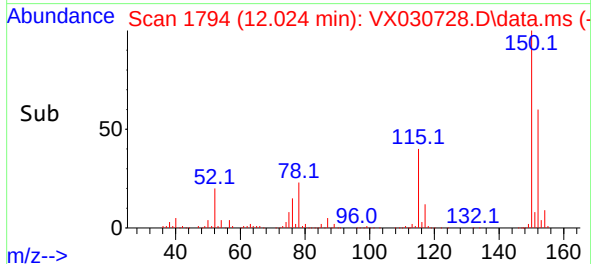


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Instrument :
MSVOA_X
ClientSampleId :

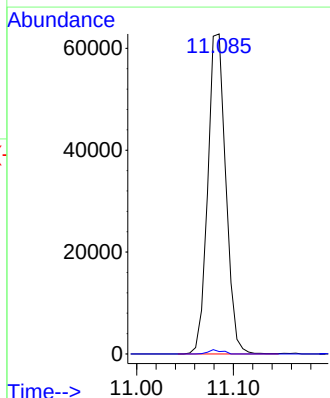
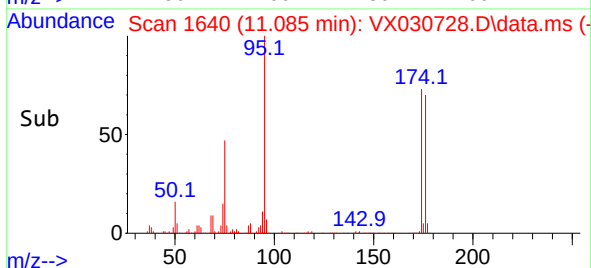
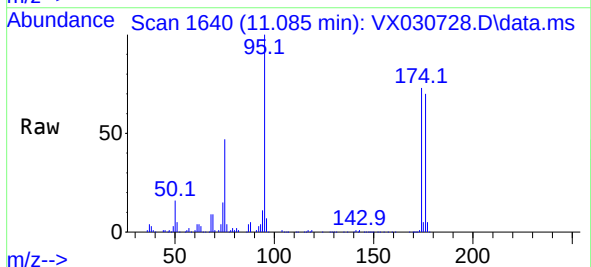


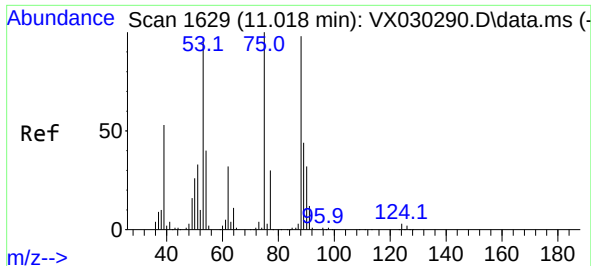
Tgt Ion:152 Resp: 108006
Ion Ratio Lower Upper
152 100
115 62.8 40.5 121.5
150 157.0 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 28.619 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Tgt Ion: 75 Resp: 81478
Ion Ratio Lower Upper
75 100
77 1.0 19.8 59.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.855 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030728.D
Acq: 23 Aug 2022 13:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 81478
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

