

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032951.D
 Acq On : 21 Nov 2022 14:46
 Operator : JC/MD
 Sample : N5672-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 22 05:11:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

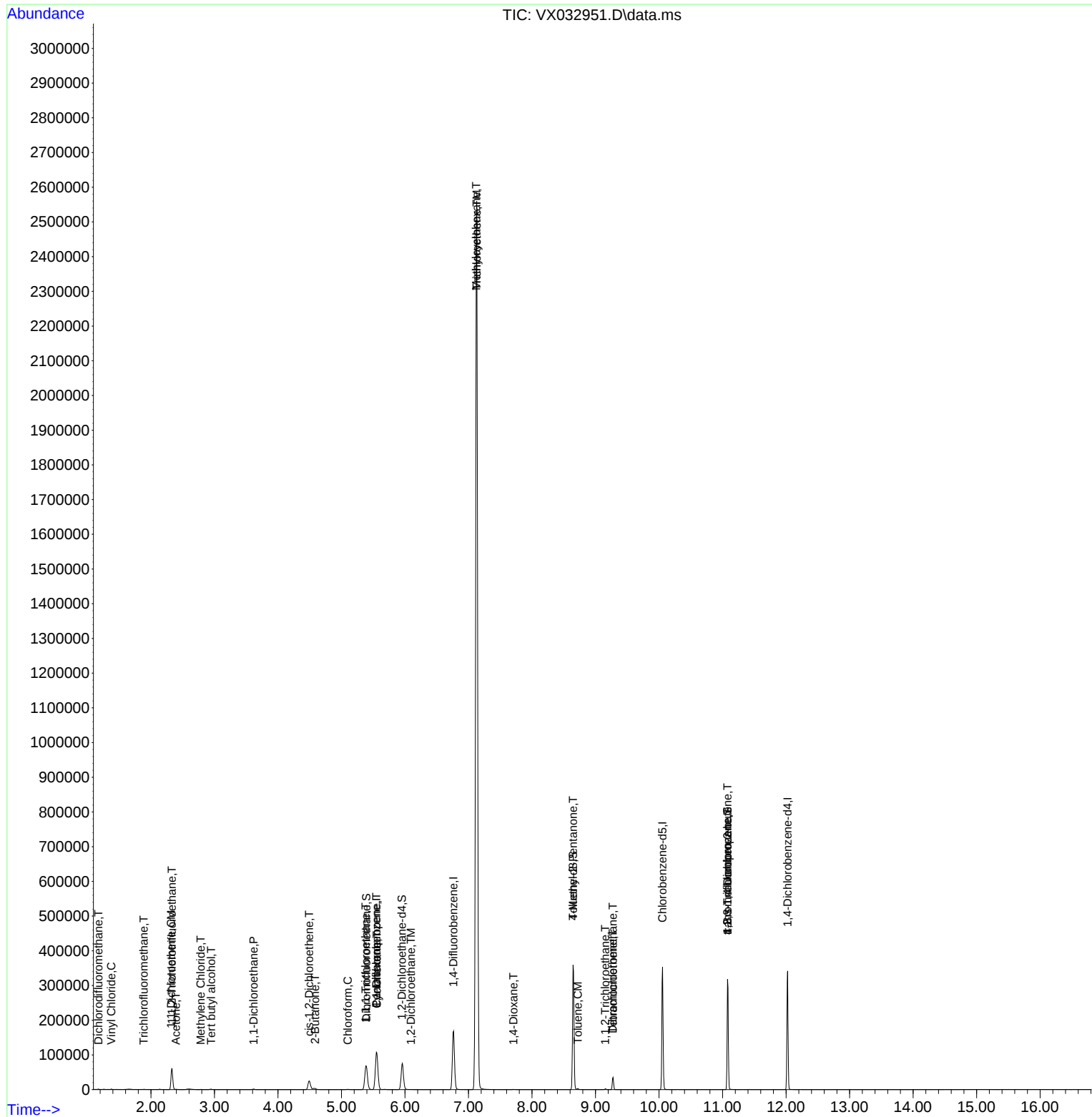
Internal Standards						
1) Pentafluorobenzene	5.550	168	102216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	172536	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73976	52.086	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.180%	
35) Dibromofluoromethane	5.391	113	59742	48.542	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.080%	
50) Toluene-d8	8.647	98	215482	50.352	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	11.079	95	80684	48.266	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	302	0.256	ug/l	79
4) Vinyl Chloride	1.374	62	1158	1.055	ug/l #	83
7) Trichlorofluoromethane	1.886	101	557	0.268	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	15905	14.494	ug/l	98
11) Tert butyl alcohol	2.947	59	867	4.194	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	8682	8.470	ug/l	93
16) Acetone	2.392	43	1135	2.199	ug/l	90
20) Methylene Chloride	2.782	84	355	0.300	ug/l #	51
24) 1,1-Dichloroethane	3.617	63	2134	1.050	ug/l #	92
25) 2-Butanone	4.587	43	243	0.304	ug/l #	47
27) cis-1,2-Dichloroethene	4.489	96	16564	12.843	ug/l	86
30) Chloroform	5.099	83	1128	0.506	ug/l #	82
31) Cyclohexane	5.556	56	2195	1.275	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	612	0.306	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	8174	4.769	ug/l #	50
39) Methylcyclohexane	7.123	83	11253	5.550	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	414	0.209	ug/l #	77
44) Trichloroethene	7.129	130	966809	708.144	ug/l	99
49) 1,4-Dioxane	7.708	88	483	17.916	ug/l #	85
51) 4-Methyl-2-Pentanone	8.647	43	878	0.509	ug/l #	1
52) Toluene	8.720	92	1104	0.349	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	810	0.608	ug/l	93
60) Dibromochloromethane	9.275	129	6329	4.348	ug/l #	11
64) Tetrachloroethene	9.275	164	6495	5.766	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	43360	28.032	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	43360	89.200	ug/l #	6

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

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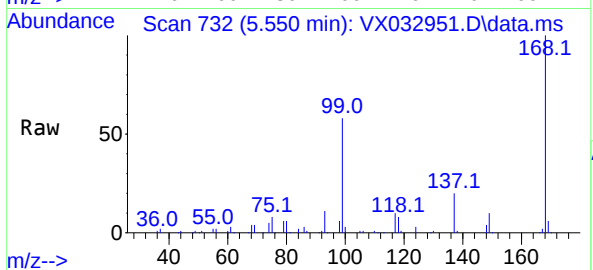
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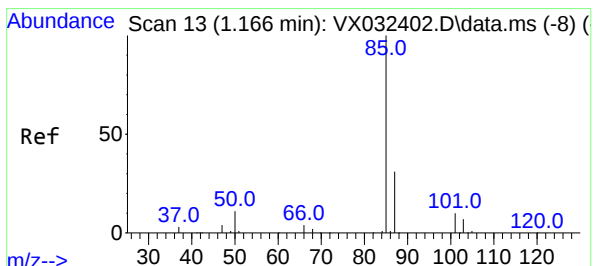
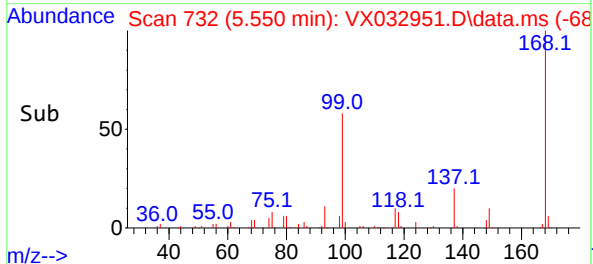
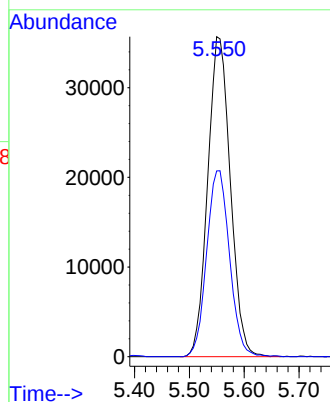


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :

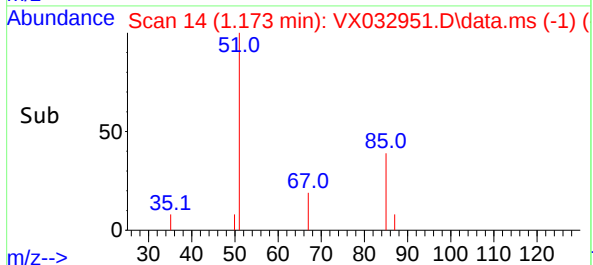
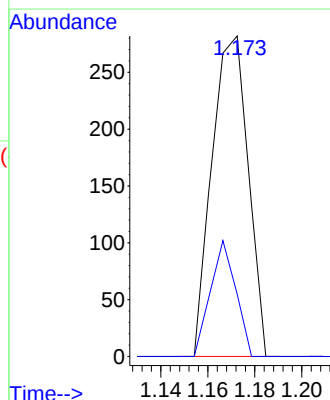
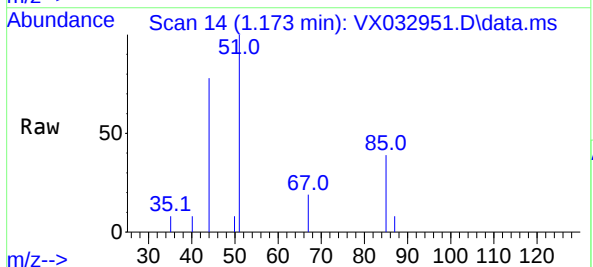


Tgt Ion:168 Resp: 102216
Ion Ratio Lower Upper
168 100
99 58.0 46.1 69.1

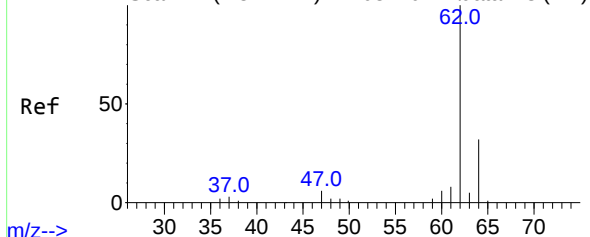


#2
Dichlorodifluoromethane
Concen: 0.256 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion: 85 Resp: 302
Ion Ratio Lower Upper
85 100
87 19.5 15.6 46.7



Abundance Scan 47 (1.374 min): VX032402.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 1.055 ug/l

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

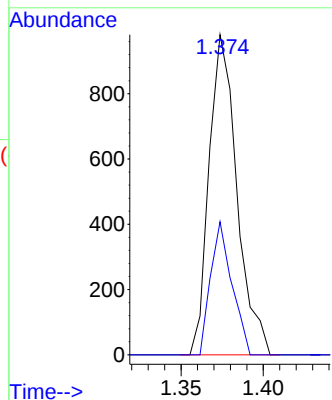
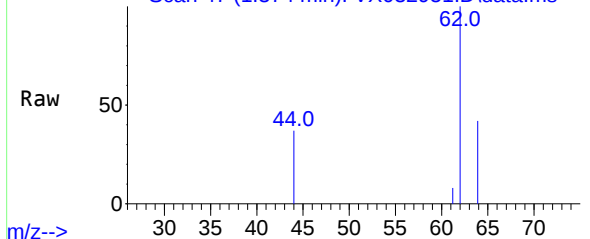
Tgt Ion: 62 Resp: 1158

Ion Ratio Lower Upper

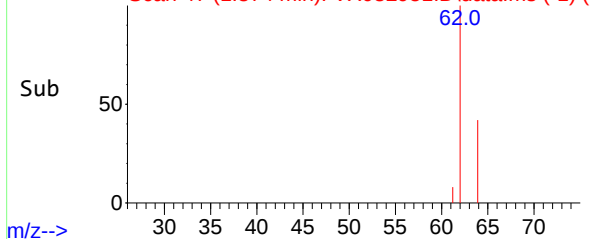
62 100

64 41.6 25.8 38.6#

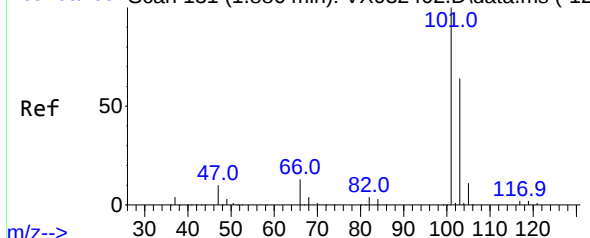
Abundance Scan 47 (1.374 min): VX032951.D\data.ms



Abundance Scan 47 (1.374 min): VX032951.D\data.ms (-1)



Abundance Scan 131 (1.886 min): VX032402.D\data.ms (-12)



#7

Trichlorofluoromethane

Concen: 0.268 ug/l

RT: 1.886 min Scan# 131

Delta R.T. 0.000 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

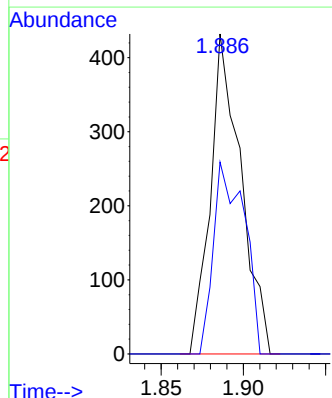
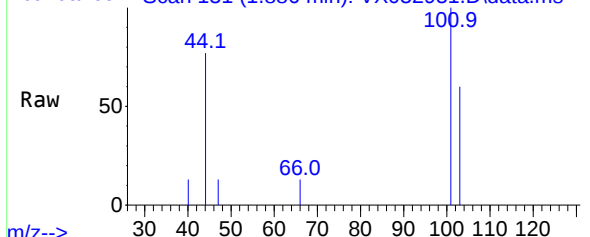
Tgt Ion: 101 Resp: 557

Ion Ratio Lower Upper

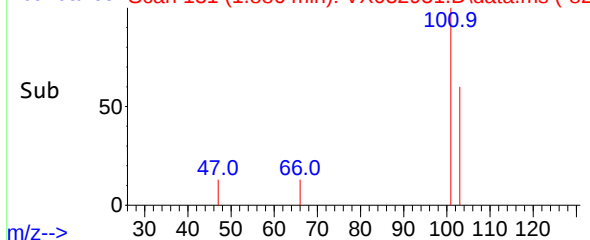
101 100

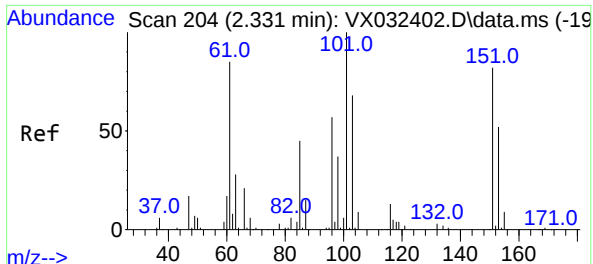
103 60.0 51.4 77.2

Abundance Scan 131 (1.886 min): VX032951.D\data.ms



Abundance Scan 131 (1.886 min): VX032951.D\data.ms (-82)

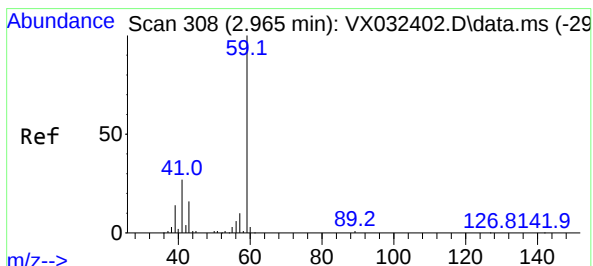
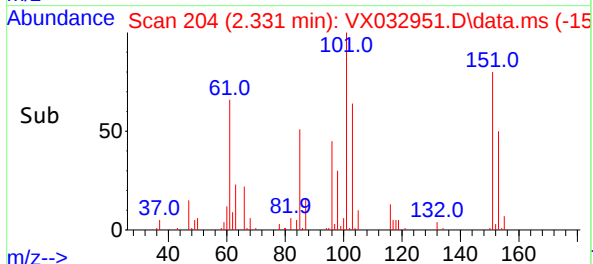
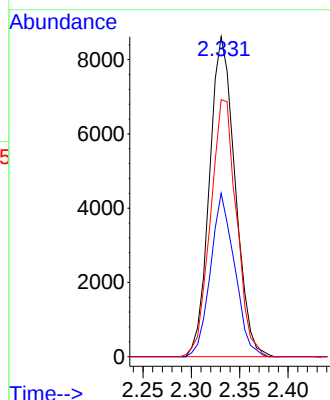
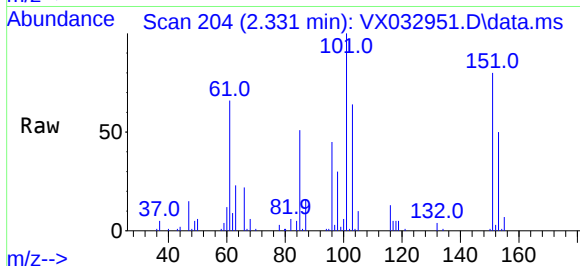




#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.494 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

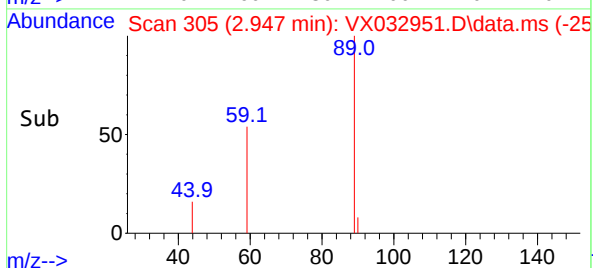
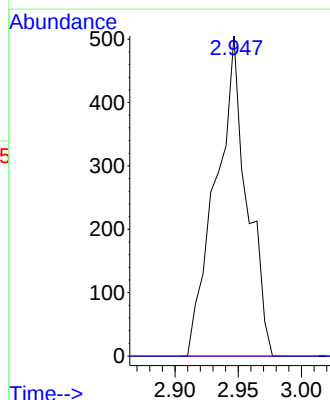
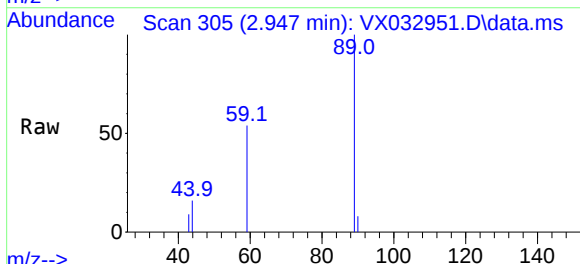
Instrument :
MSVOA_X
ClientSampleId :

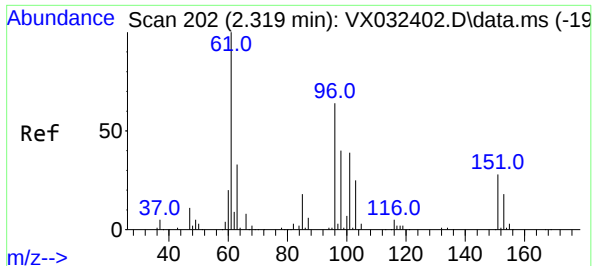
Tgt Ion:101 Resp: 15905
Ion Ratio Lower Upper
101 100
85 47.8 37.0 55.4
151 81.4 64.4 96.6



#11
Tert butyl alcohol
Concen: 4.194 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

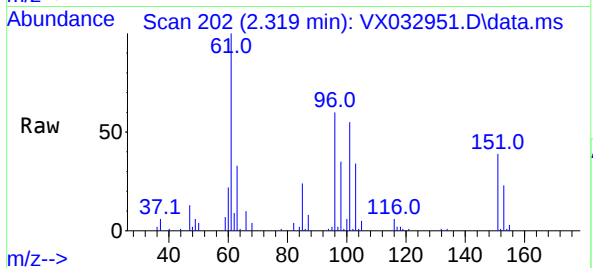
Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



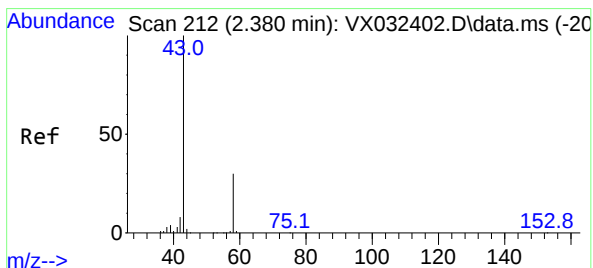
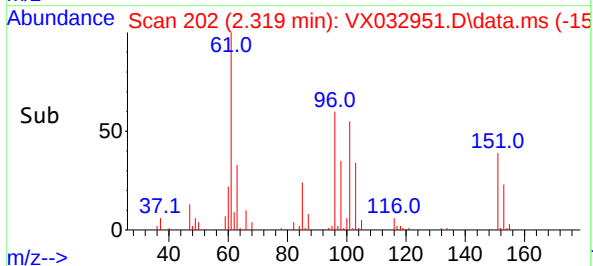
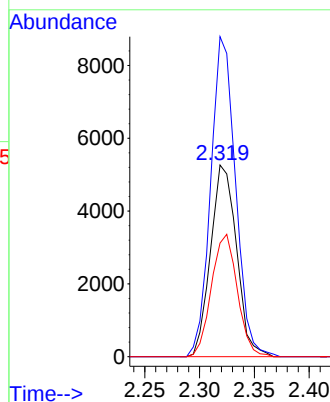


#12
1,1-Dichloroethene
Concen: 8.470 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :

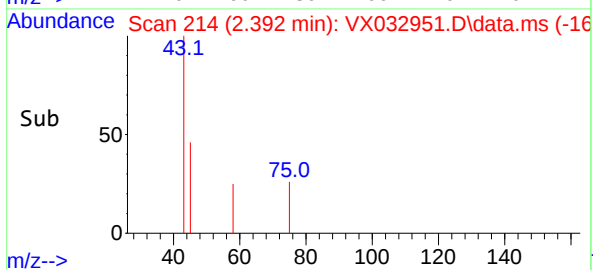
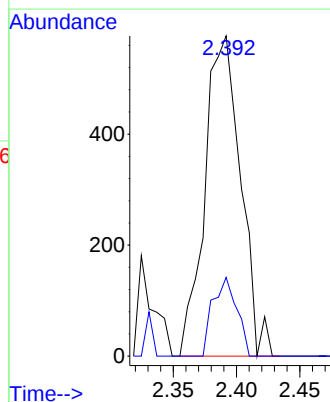
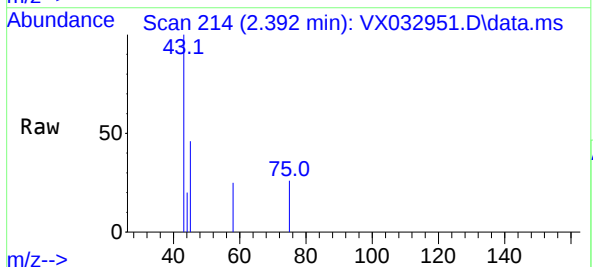


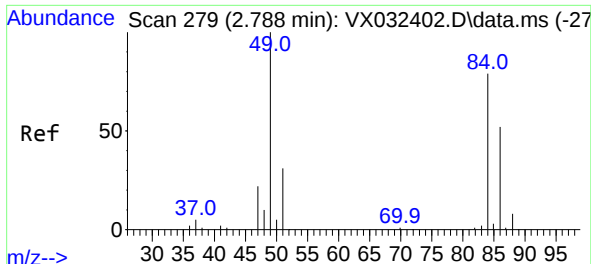
Tgt Ion: 96 Resp: 8682
Ion Ratio Lower Upper
96 100
61 166.9 125.1 187.7
98 59.2 50.6 76.0



#16
Acetone
Concen: 2.199 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

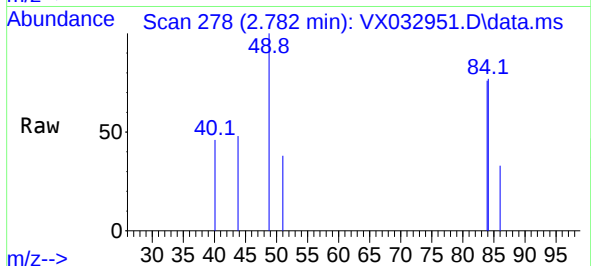
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 24.6 23.8 35.8





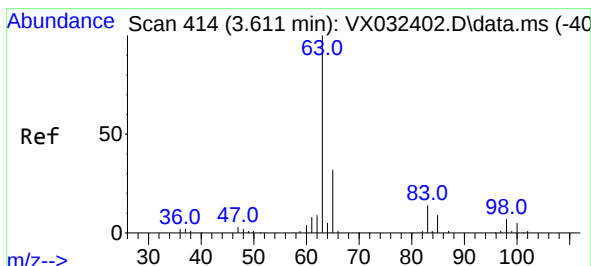
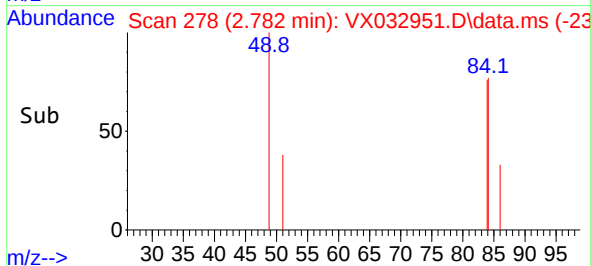
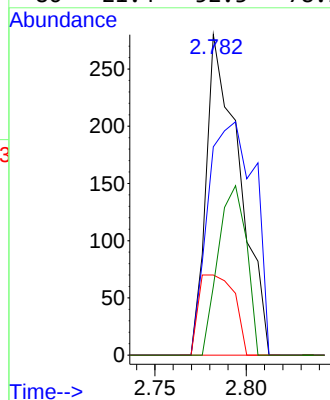
#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 355

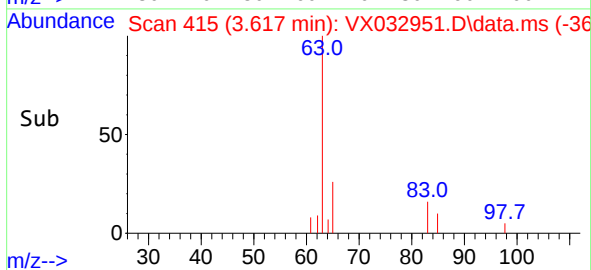
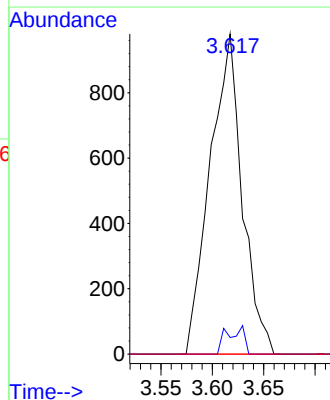
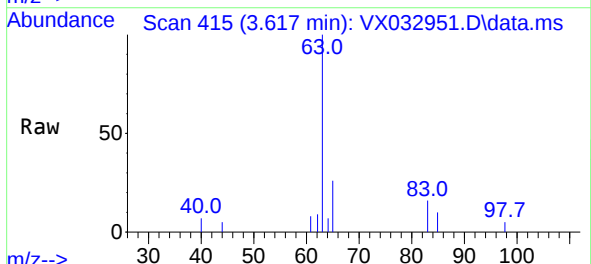
Ion	Ratio	Lower	Upper
84	100		
49	65.0	101.0	151.6#
51	25.0	31.1	46.7#
86	21.4	52.3	78.5#

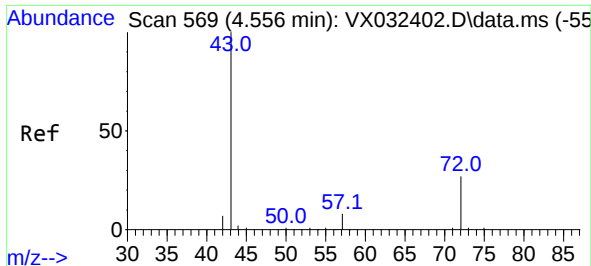


#24
1,1-Dichloroethane
Concen: 1.050 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion: 63 Resp: 2134

Ion	Ratio	Lower	Upper
63	100		
98	5.2	3.5	10.4
100	0.0	2.3	6.8#





#25

2-Butanone

Concen: 0.304 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

Instrument :

MSVOA_X

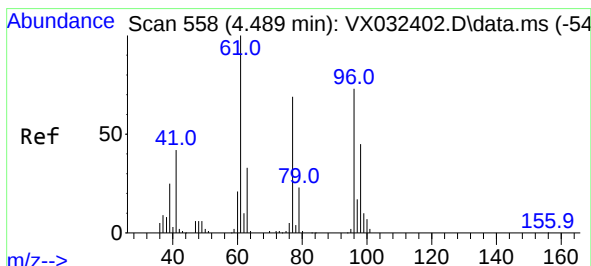
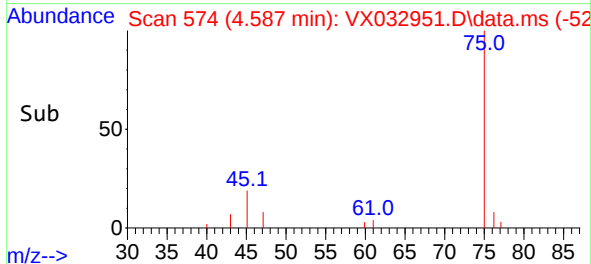
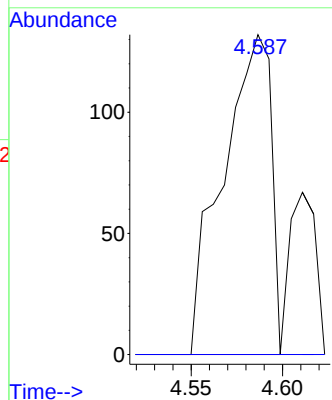
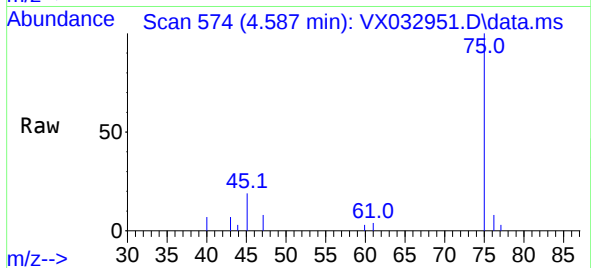
ClientSampleId :

Tgt Ion: 43 Resp: 243

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#27

cis-1,2-Dichloroethene

Concen: 12.843 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

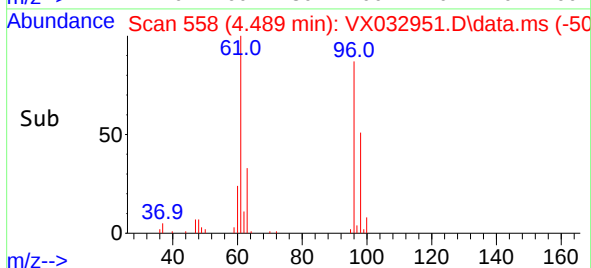
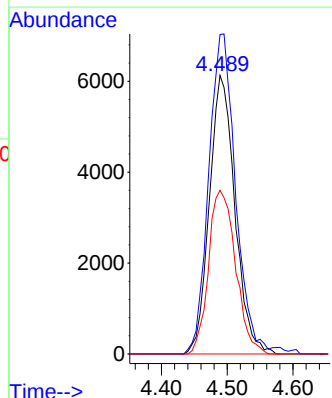
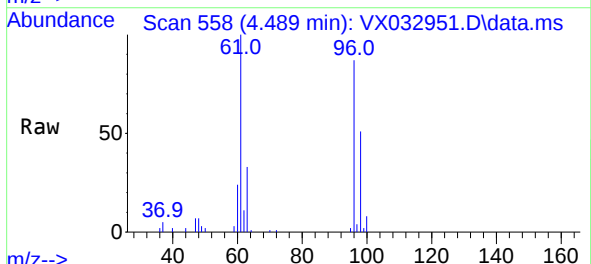
Tgt Ion: 96 Resp: 16564

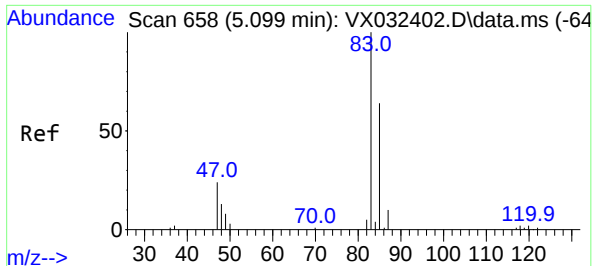
Ion Ratio Lower Upper

96 100

61 120.5 0.0 286.0

98 62.2 0.0 129.6





#30

Chloroform

Concen: 0.506 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

Instrument :

MSVOA_X

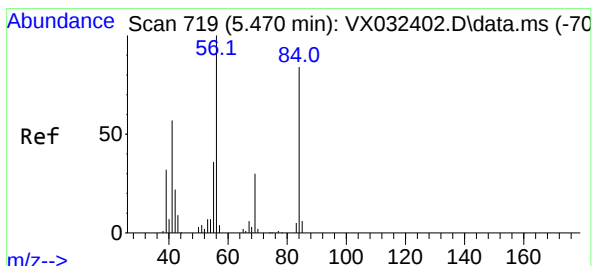
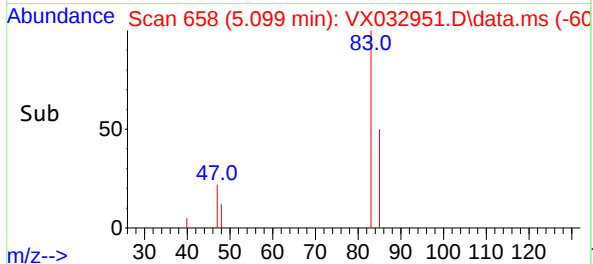
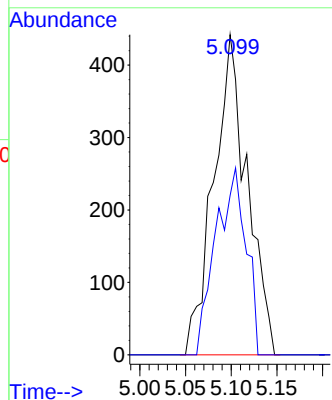
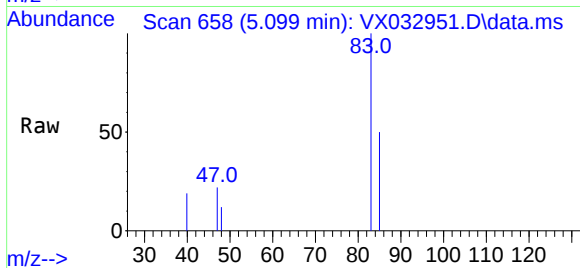
ClientSampleId :

Tgt Ion: 83 Resp: 1128

Ion Ratio Lower Upper

83 100

85 49.8 51.1 76.7#



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

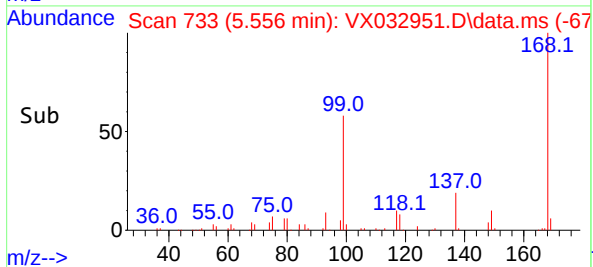
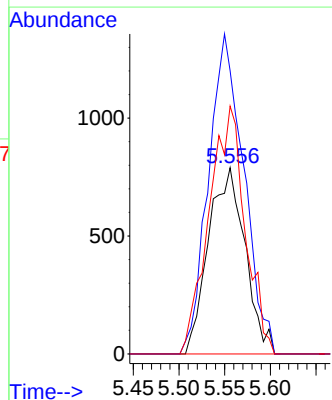
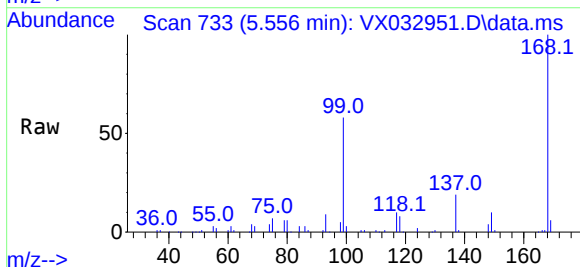
Tgt Ion: 56 Resp: 2195

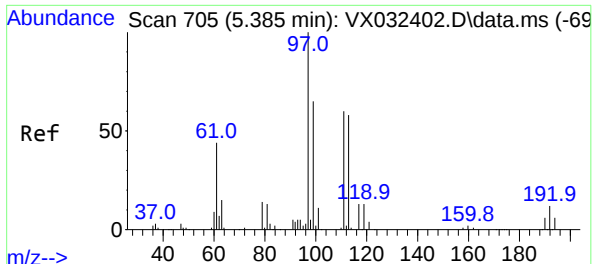
Ion Ratio Lower Upper

56 100

69 152.0 24.1 36.1#

84 133.0 66.9 100.3#





#32

1,1,1-Trichloroethane

Concen: 0.306 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX032951.D

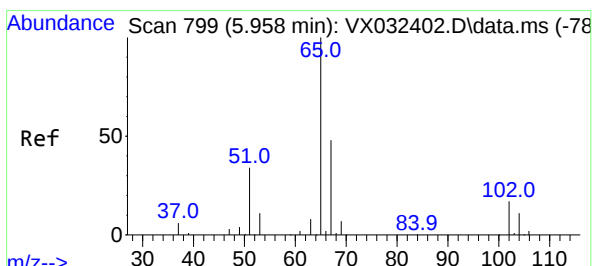
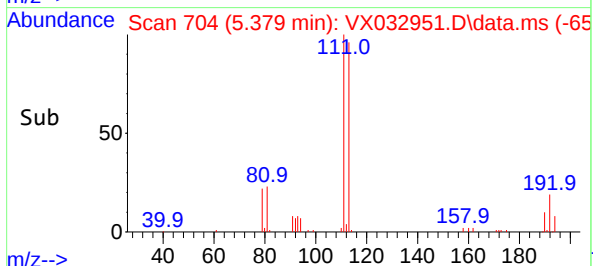
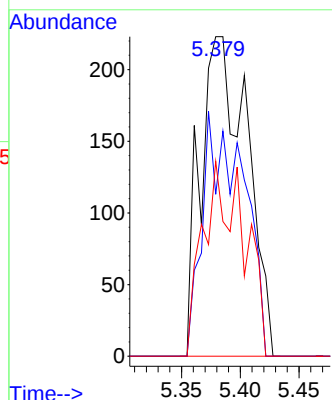
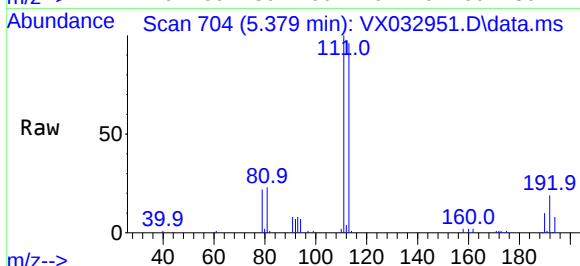
Acq: 21 Nov 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	97	Resp:	612
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	33.0	35.2	52.8#



#33

1,2-Dichloroethane-d4

Concen: 52.086 ug/l

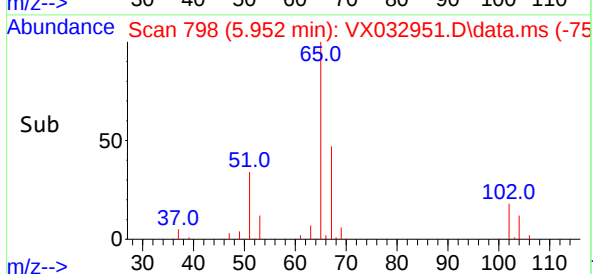
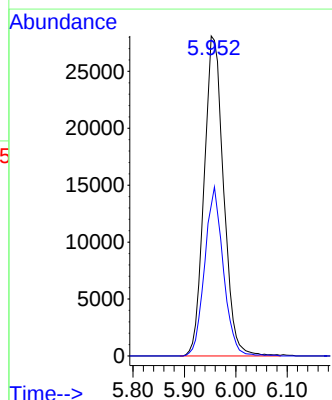
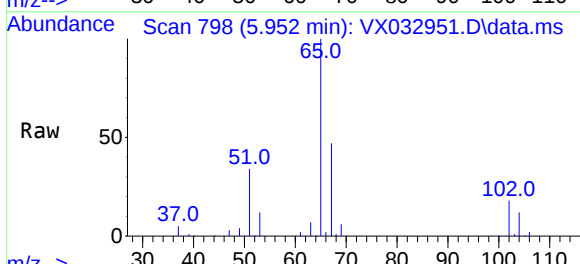
RT: 5.952 min Scan# 798

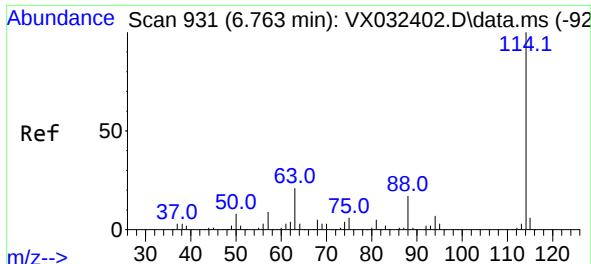
Delta R.T. -0.006 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

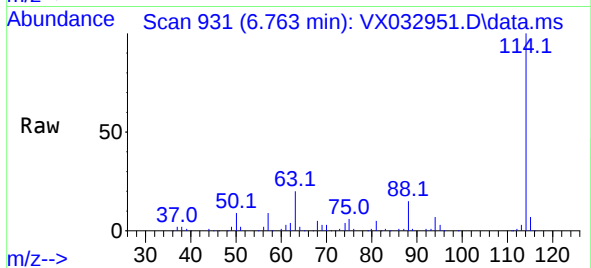
Tgt Ion:	65	Resp:	73976
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	101.8



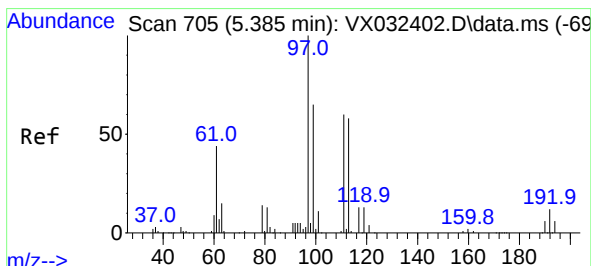
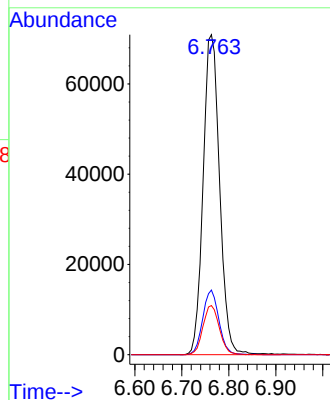
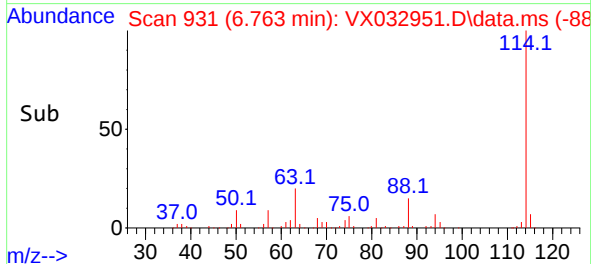


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :

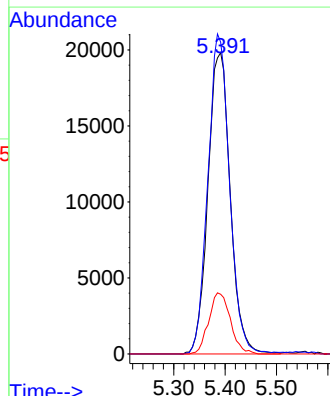
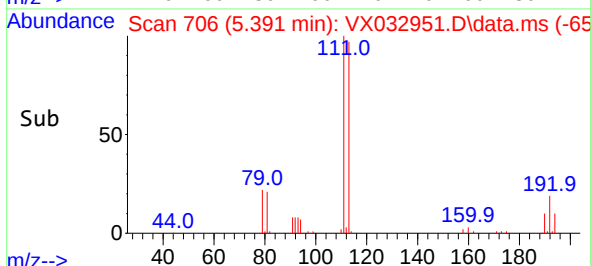
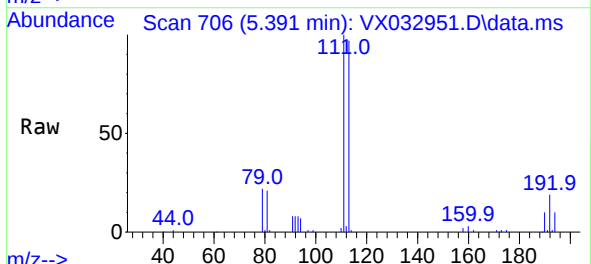


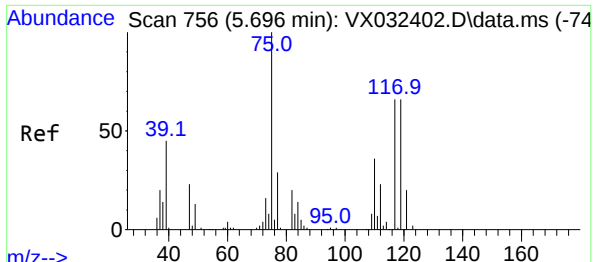
Tgt Ion:114 Resp: 172536
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 15.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.542 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion:113 Resp: 59742
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 19.7 15.4 23.2

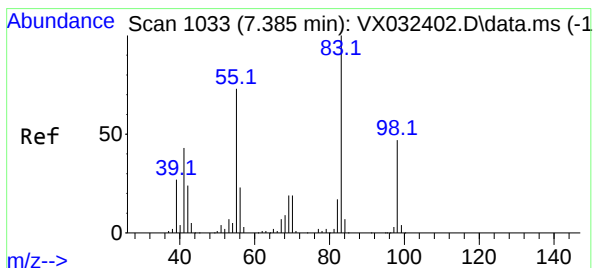
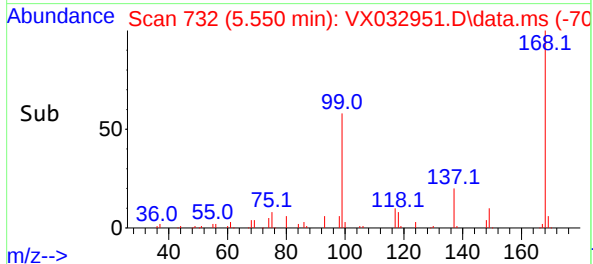
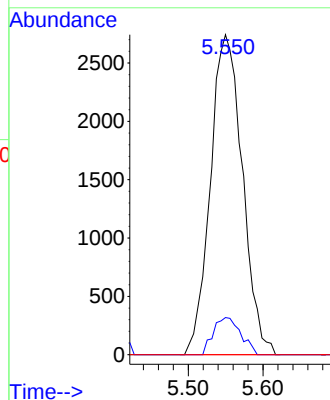
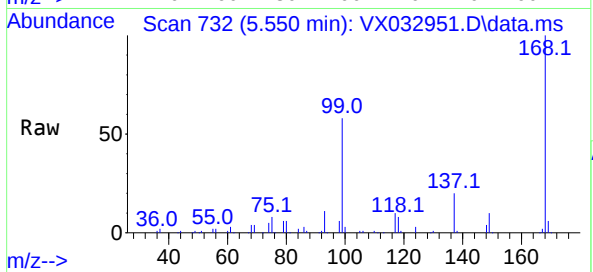




#36
1,1-Dichloropropene
Concen: 4.769 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

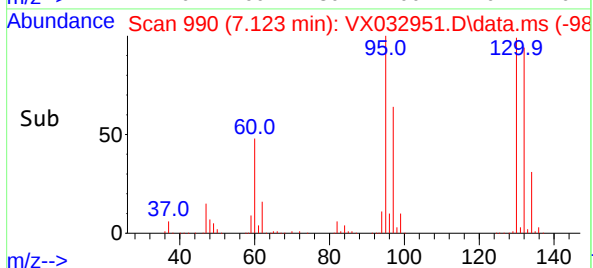
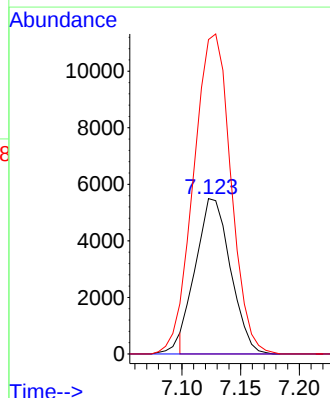
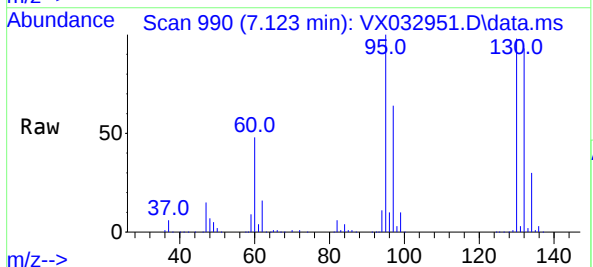
Instrument :
MSVOA_X
ClientSampleId :

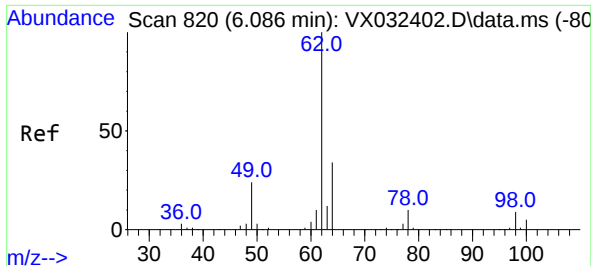
Tgt Ion: 75 Resp: 8174
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.2#
77 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 5.550 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion: 83 Resp: 11253
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 202.4 37.2 55.8#

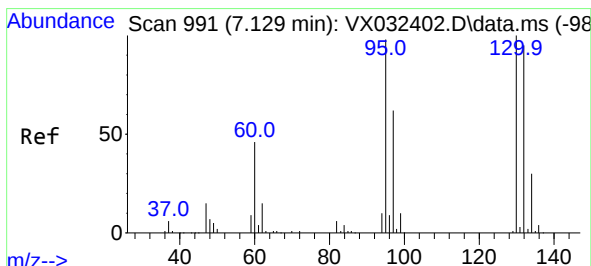
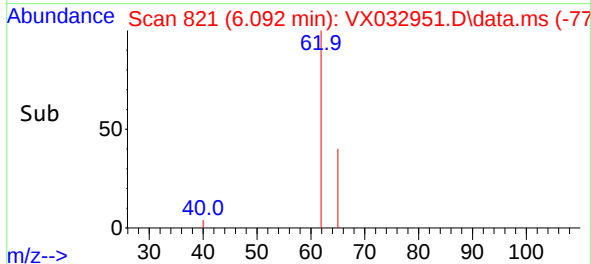
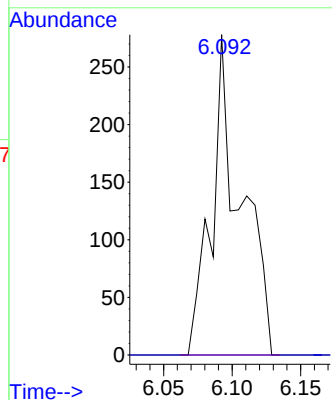
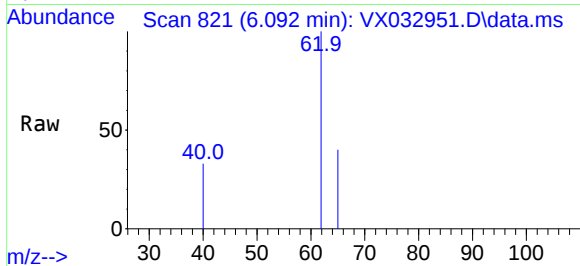




#42
1,2-Dichloroethane
Concen: 0.209 ug/l
RT: 6.092 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

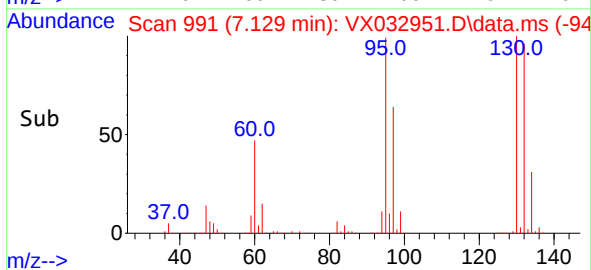
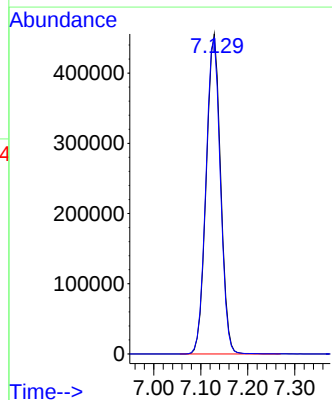
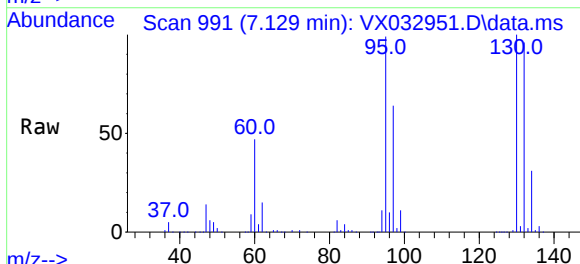
Instrument :
MSVOA_X
ClientSampleId :

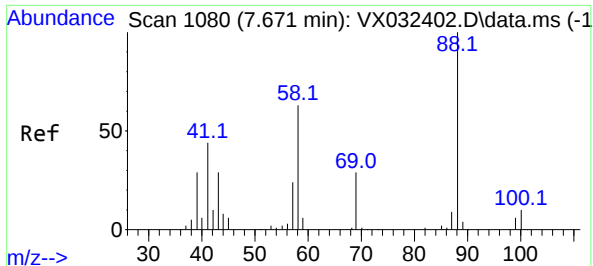
Tgt Ion: 62 Resp: 414
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0



#44
Trichloroethene
Concen: 708.144 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion:130 Resp: 966809
Ion Ratio Lower Upper
130 100
95 98.6 0.0 195.2

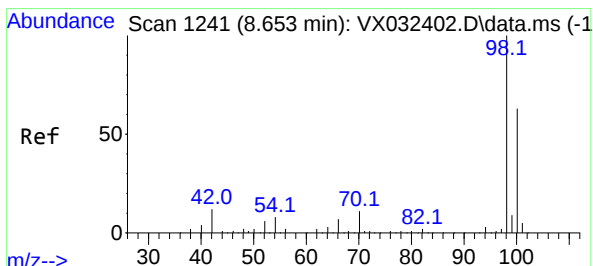
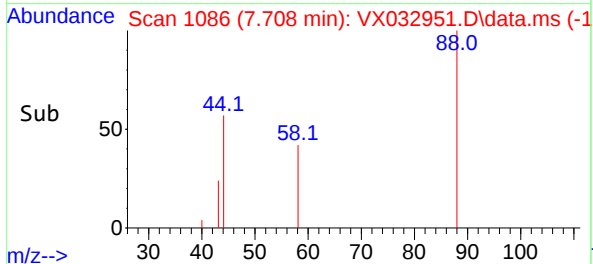
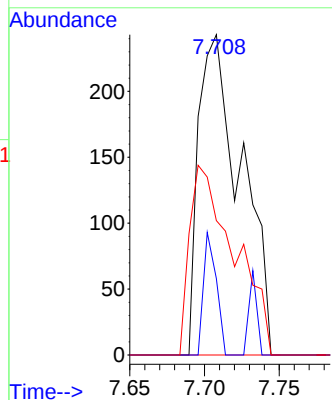
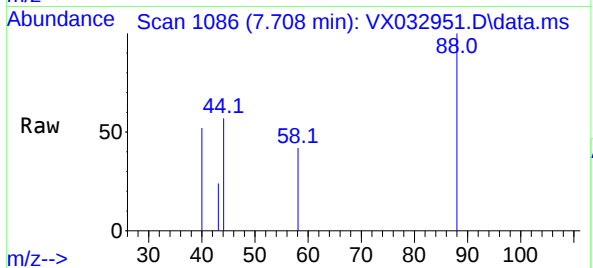




#49
1,4-Dioxane
Concen: 17.916 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.037 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

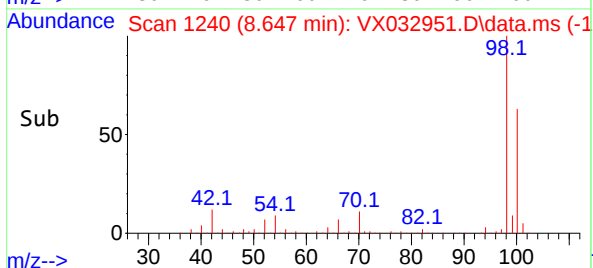
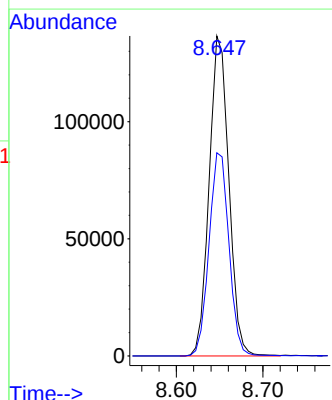
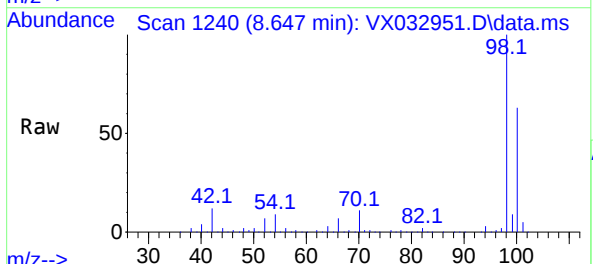
Instrument :
MSVOA_X
ClientSampleId :

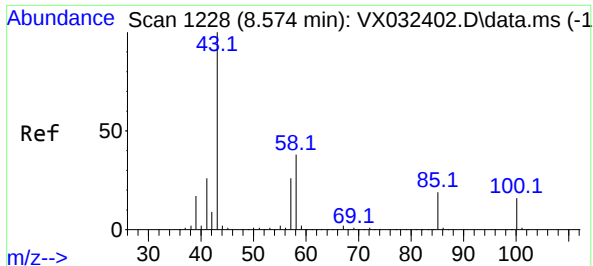
Tgt Ion: 88 Resp: 483
Ion Ratio Lower Upper
88 100
43 11.4 26.6 39.8#
58 62.1 51.7 77.5



#50
Toluene-d8
Concen: 50.352 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion: 98 Resp: 215482
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.509 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

Instrument :

MSVOA_X

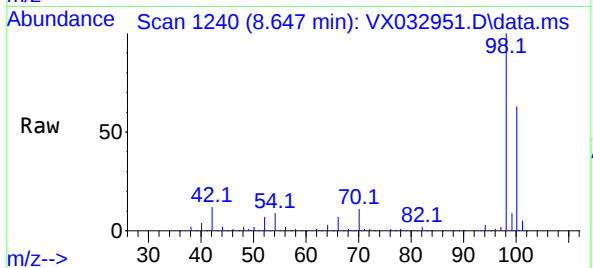
ClientSampleId :

Tgt Ion: 43 Resp: 878

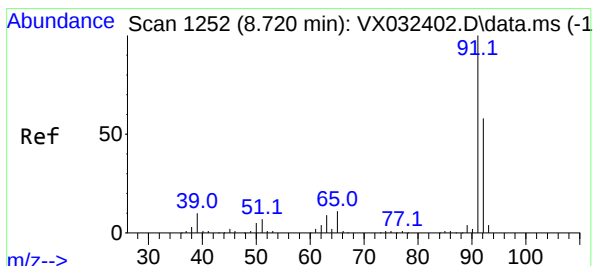
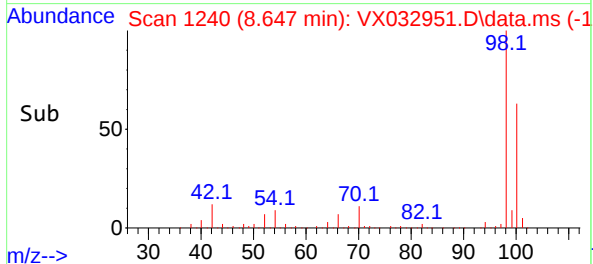
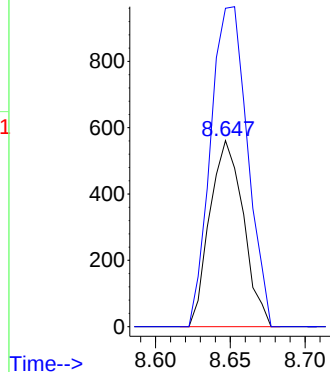
Ion Ratio Lower Upper

43 100

58 188.4 30.9 46.3#



Abundance



#52

Toluene

Concen: 0.349 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX032951.D

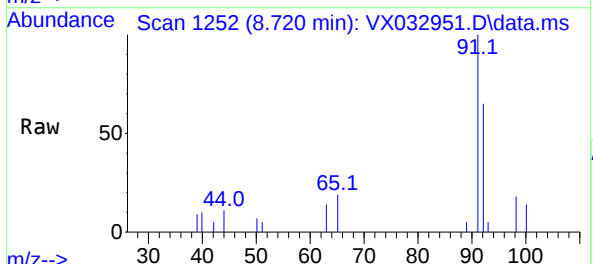
Acq: 21 Nov 2022 14:46

Tgt Ion: 92 Resp: 1104

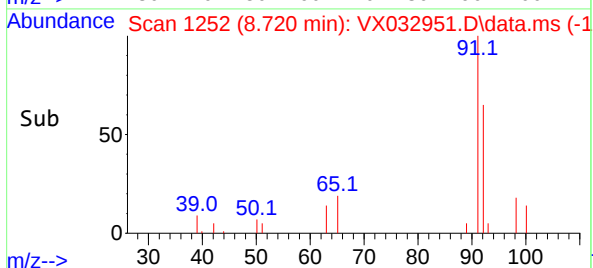
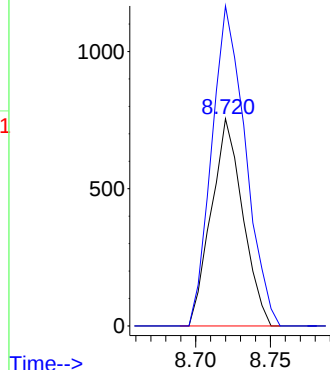
Ion Ratio Lower Upper

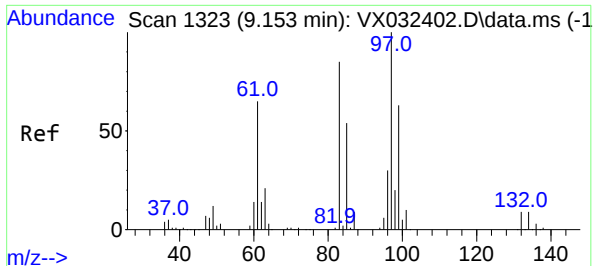
92 100

91 165.6 138.3 207.5



Abundance



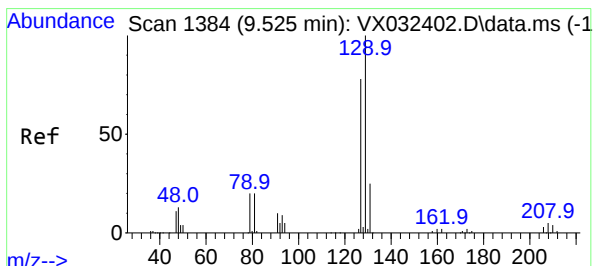
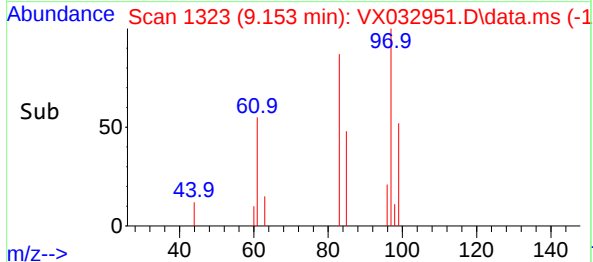
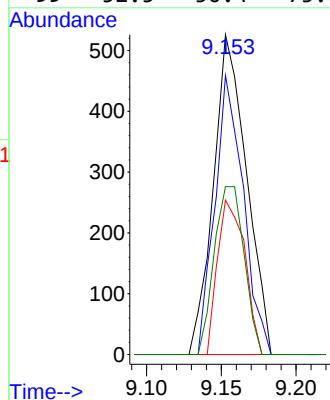
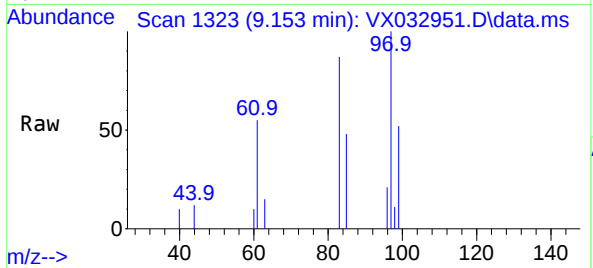


#55
1,1,2-Trichloroethane
Concen: 0.608 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 97 Resp: 810

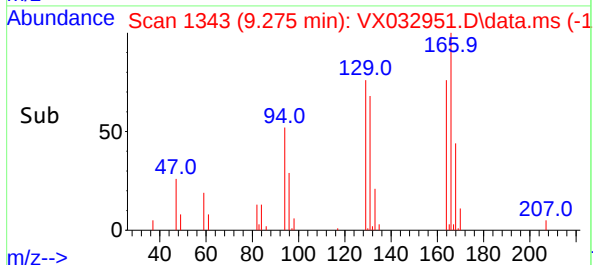
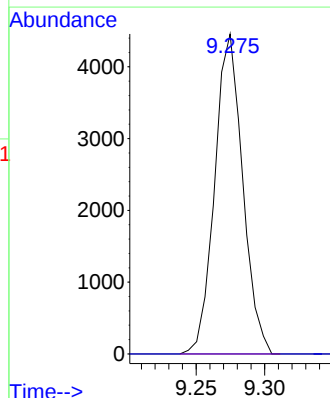
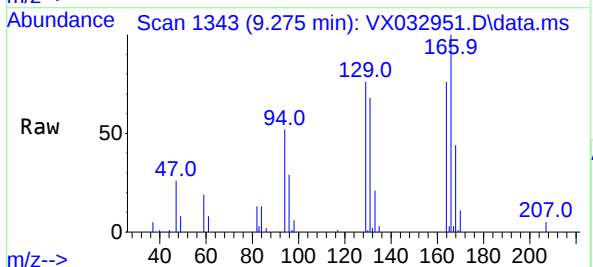
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.1	102.1
85	48.3	43.3	64.9
99	52.5	50.4	75.6

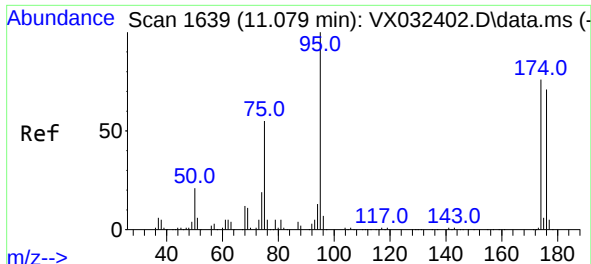


#60
Dibromochloromethane
Concen: 4.348 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion: 129 Resp: 6329

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	115.8#

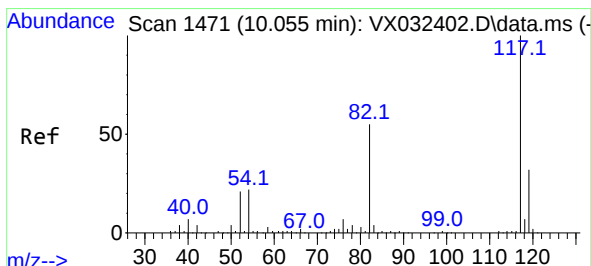
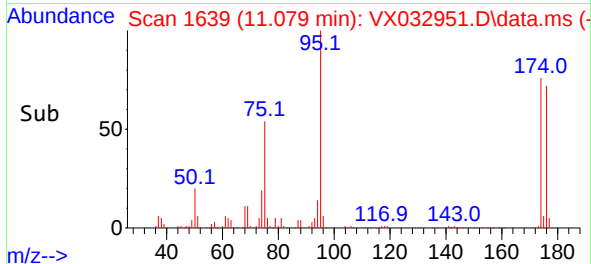
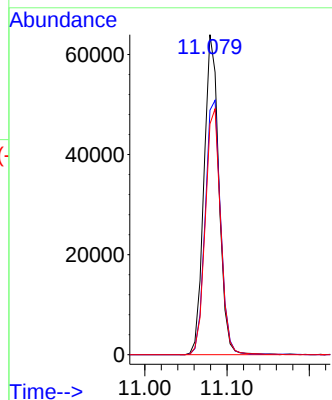
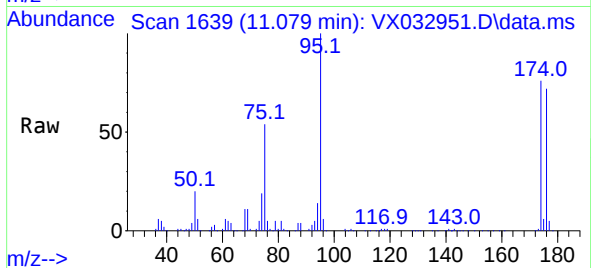




#62
4-Bromofluorobenzene
Concen: 48.266 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

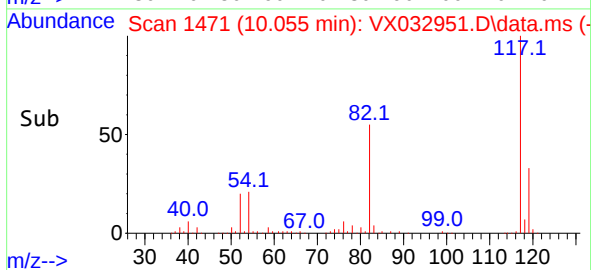
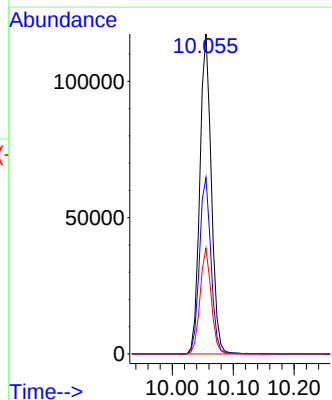
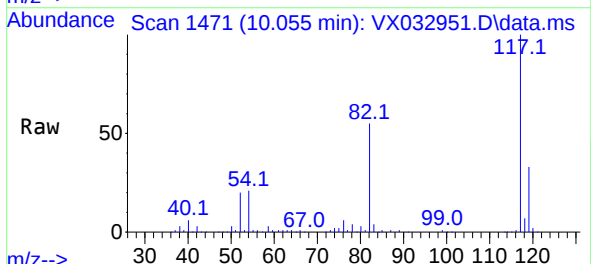
Instrument :
MSVOA_X
ClientSampleId :

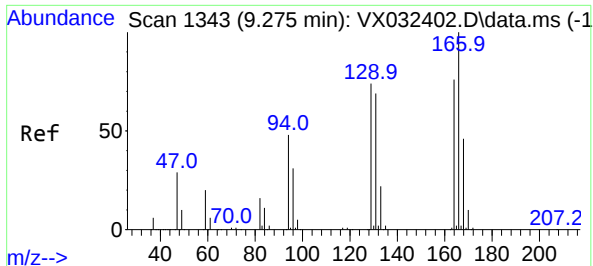
Tgt Ion: 95 Resp: 80684
Ion Ratio Lower Upper
95 100
174 82.0 0.0 164.0
176 78.8 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion: 117 Resp: 153899
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 33.1 25.7 38.5





#64

Tetrachloroethene

Concen: 5.766 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

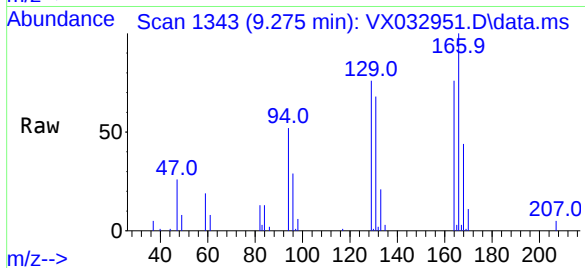
Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 6495

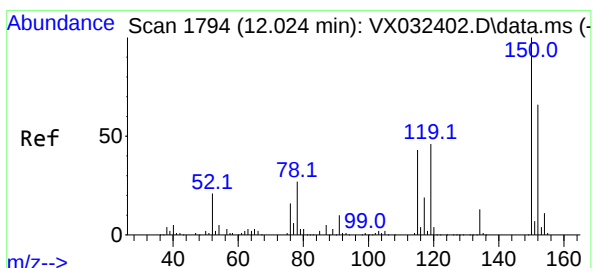
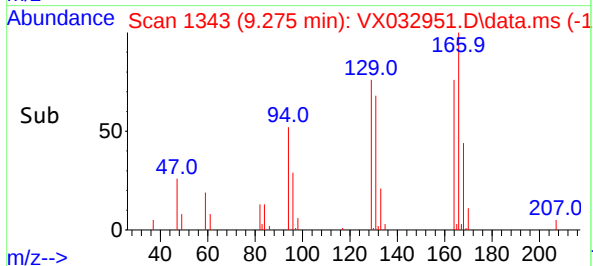
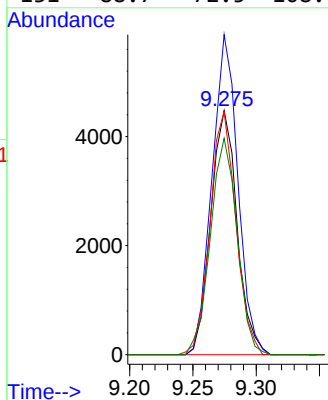
Ion Ratio Lower Upper

164 100

166 131.1 105.4 158.2

129 99.6 78.2 117.2

131 88.7 72.5 108.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX032951.D

Acq: 21 Nov 2022 14:46

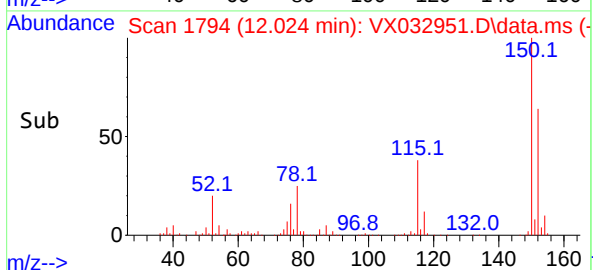
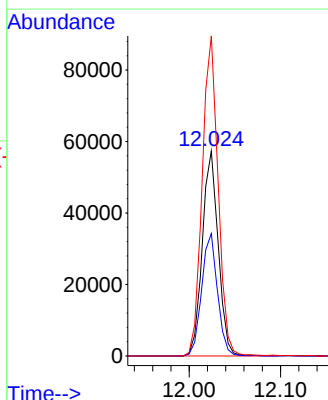
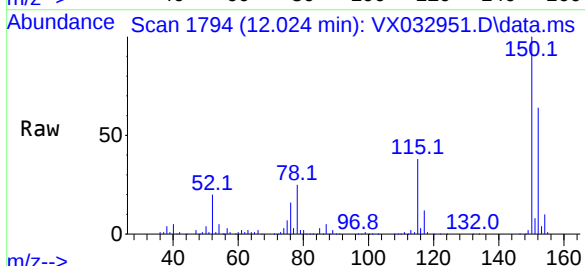
Tgt Ion:152 Resp: 69526

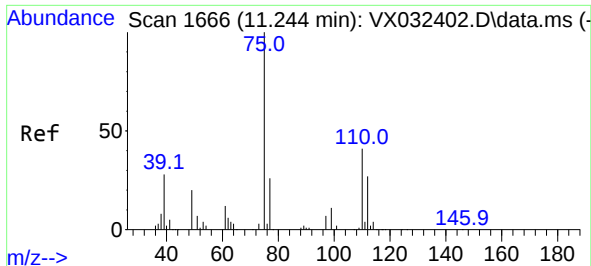
Ion Ratio Lower Upper

152 100

115 59.2 44.0 132.0

150 155.7 0.0 351.8

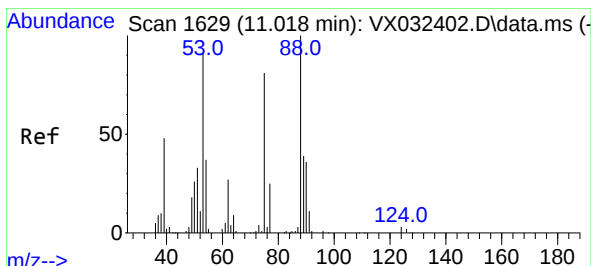
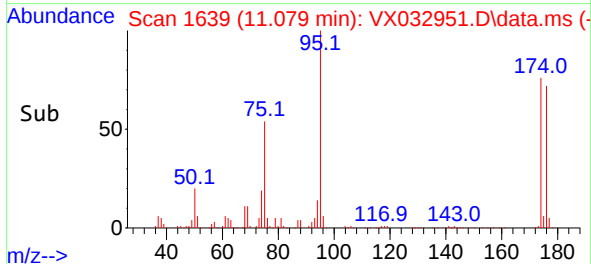
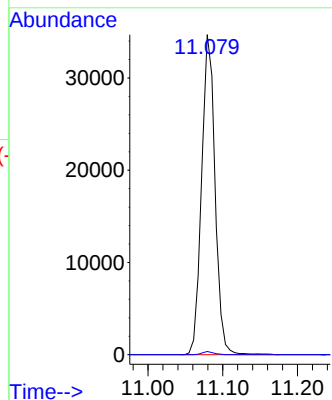
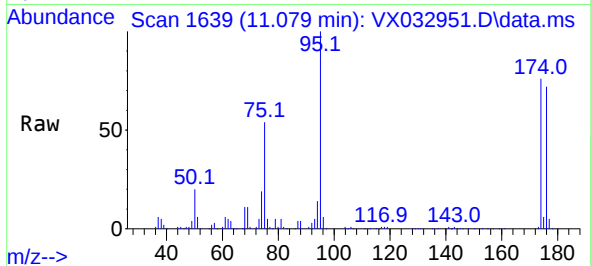




#76
1,2,3-Trichloropropane
Concen: 28.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 43360
Ion Ratio Lower Upper
75 100
77 0.8 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032951.D
Acq: 21 Nov 2022 14:46

Tgt Ion: 75 Resp: 43360
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

