

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032945.D
 Acq On : 21 Nov 2022 12:27
 Operator : JC/MD
 Sample : N5672-07DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20221116DL

Quant Time: Nov 22 05:11:04 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	5.556	168	109148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181956	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74157	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78872	52.006	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.020%	
35) Dibromofluoromethane	5.385	113	63288	48.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.520%	
50) Toluene-d8	8.647	98	228405	50.609	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.220%	
62) 4-Bromofluorobenzene	11.079	95	86579	49.111	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.220%	

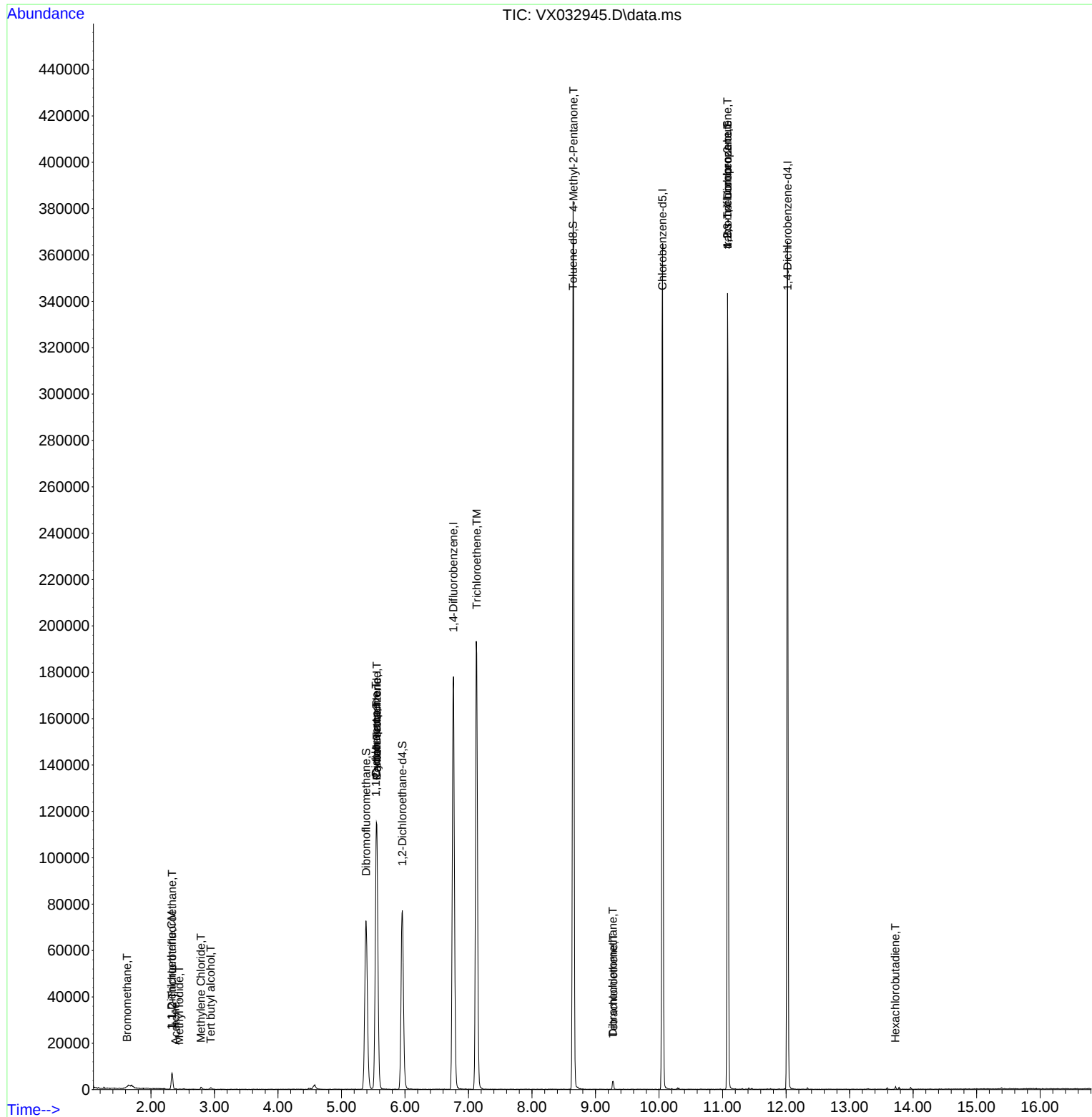
Target Compounds						Qvalue
5) Bromomethane	1.624	94	243	0.260	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	2760	2.355	ug/l	97
10) Methyl Iodide	2.447	142	62	1.962	ug/l #	37
11) Tert butyl alcohol	2.940	59	464	2.102	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	226	0.206	ug/l #	87
16) Acetone	2.386	43	139	0.252	ug/l #	45
20) Methylene Chloride	2.788	84	442	0.350	ug/l #	88
31) Cyclohexane	5.550	56	2462	1.339	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	8685	4.805	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11572	5.773	ug/l #	16
44) Trichloroethene	7.129	130	75116	52.171	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	985	0.541	ug/l #	1
60) Dibromochloromethane	9.275	129	687	0.448	ug/l #	11
64) Tetrachloroethene	9.281	164	750	0.629	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	46764	28.345	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	46764	90.195	ug/l #	6
94) Hexachlorobutadiene	13.719	225	215	0.295	ug/l	82

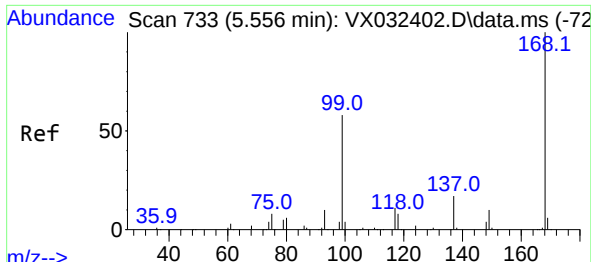
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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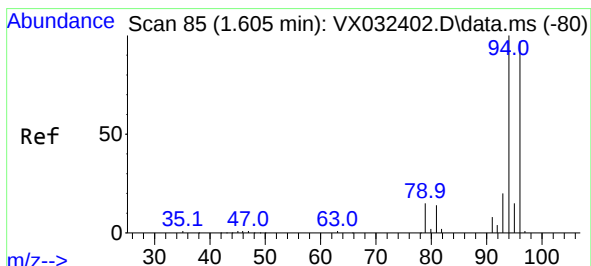
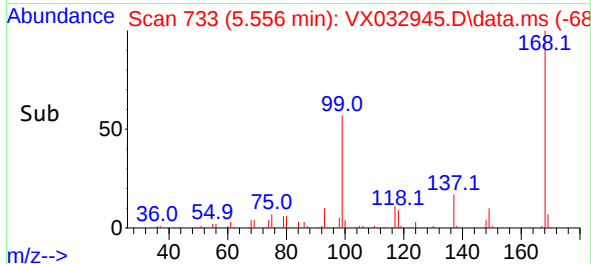
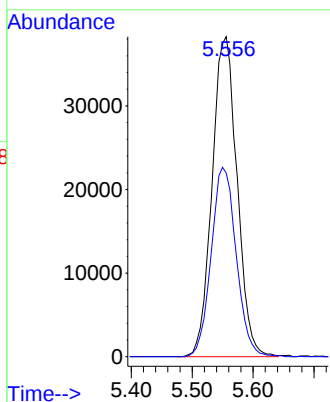
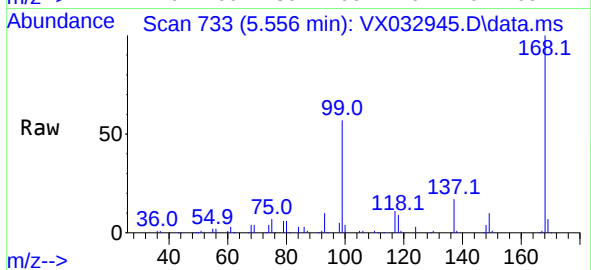




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

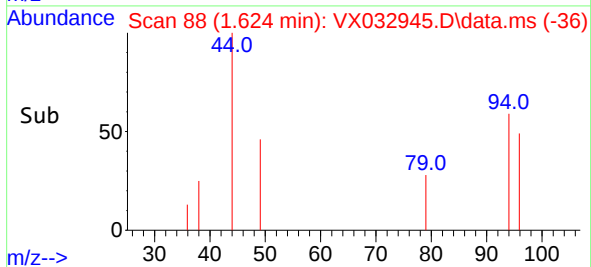
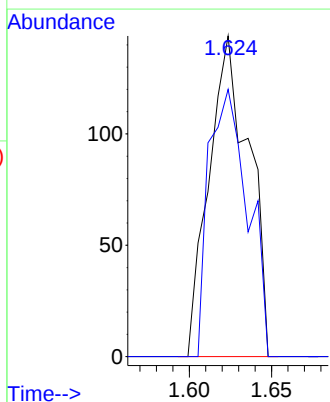
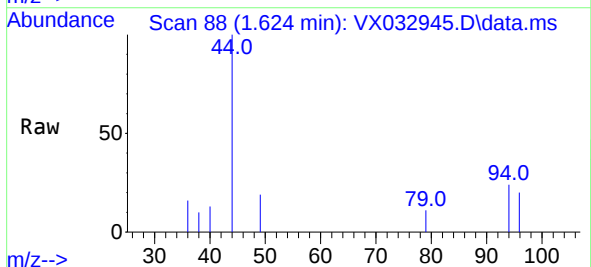
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

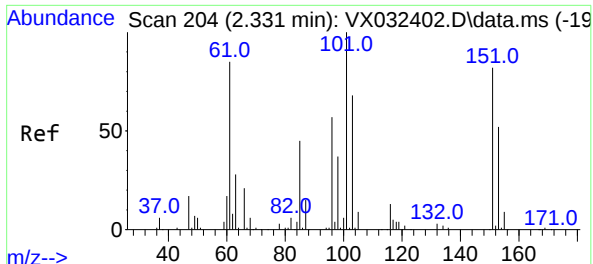
Tgt Ion:168 Resp: 109148
Ion Ratio Lower Upper
168 100
99 57.4 46.1 69.1



#5
Bromomethane
Concen: 0.260 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.018 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 83.3 77.6 116.4

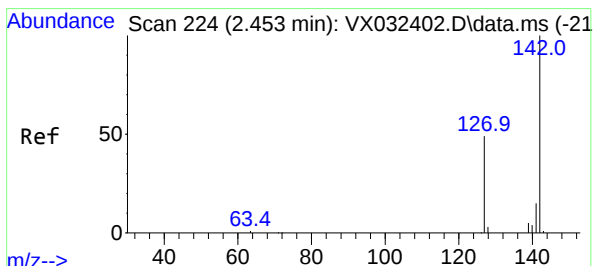
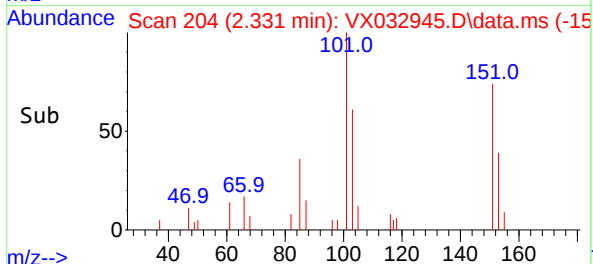
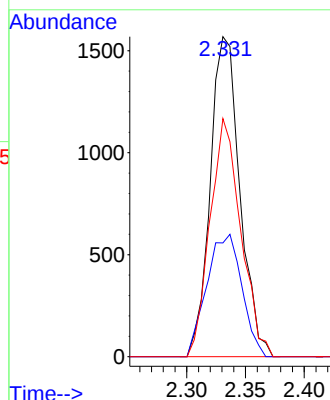
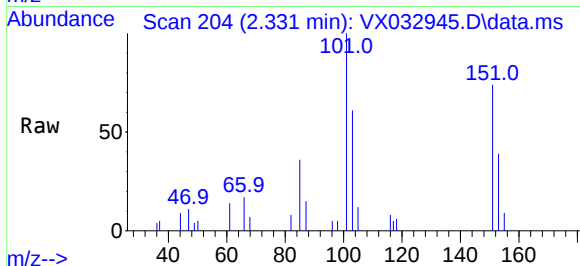




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.355 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

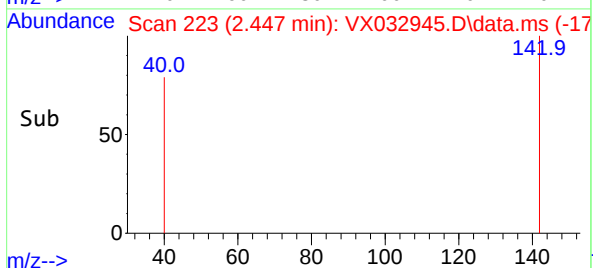
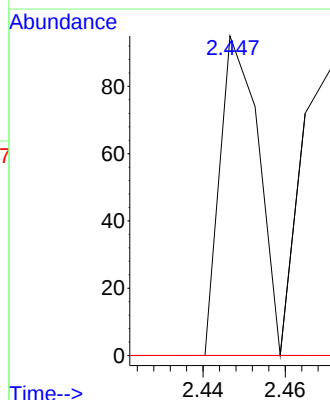
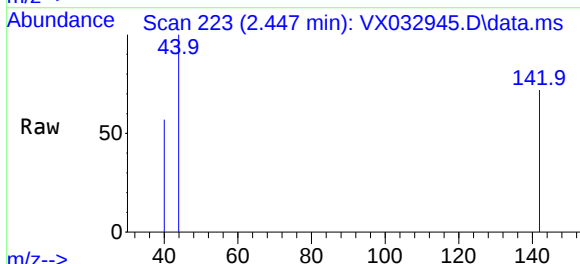
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

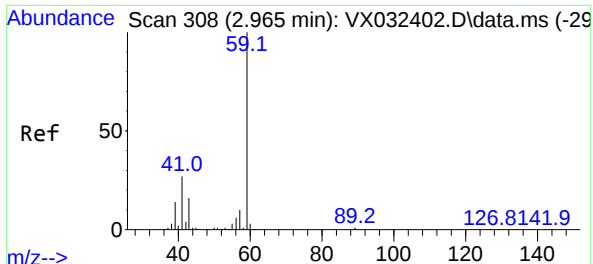
Tgt Ion:101 Resp: 2760
Ion Ratio Lower Upper
101 100
85 45.1 37.0 55.4
151 77.1 64.4 96.6



#10
Methyl Iodide
Concen: 1.962 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 38.6 57.8#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 2.102 ug/l

RT: 2.940 min Scan# 308

Delta R.T. -0.024 min

Lab File: VX032945.D

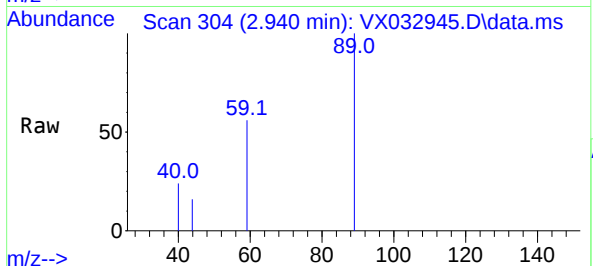
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Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20221116DL

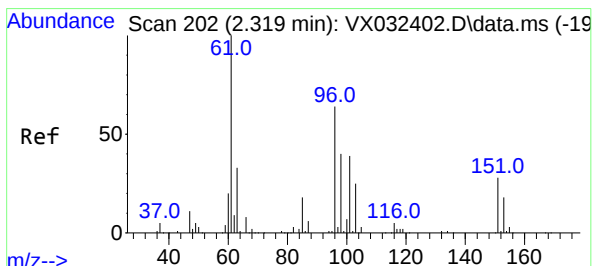
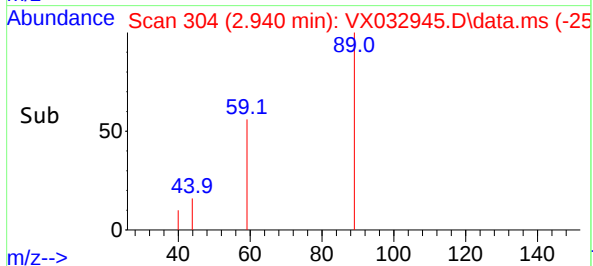
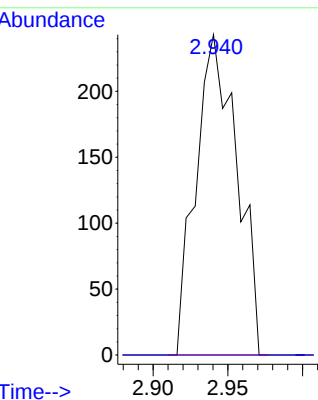


Tgt Ion: 59 Resp: 464

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.206 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX032945.D

Acq: 21 Nov 2022 12:27

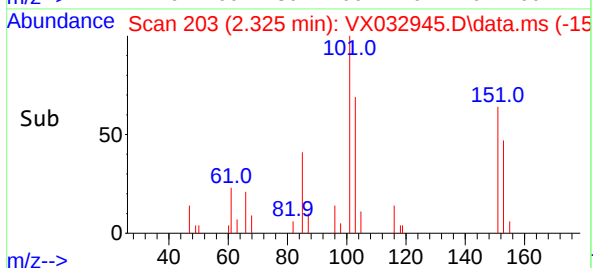
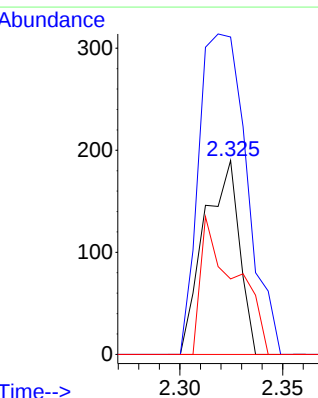
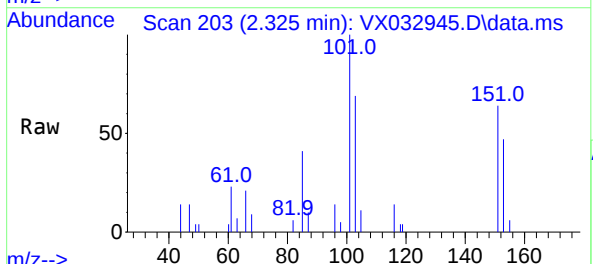
Tgt Ion: 96 Resp: 226

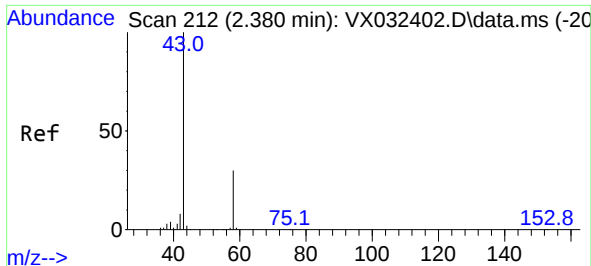
Ion Ratio Lower Upper

96 100

61 163.7 125.1 187.7

98 38.9 50.6 76.0#

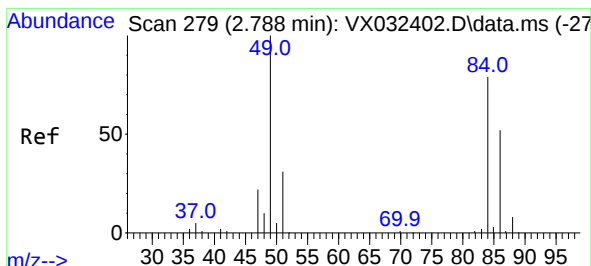
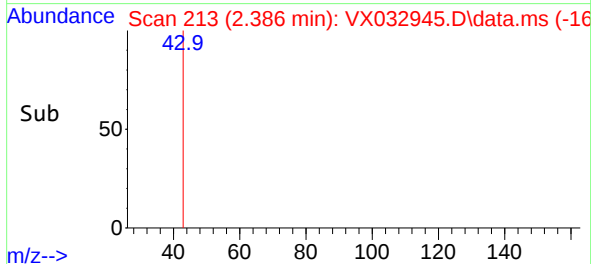
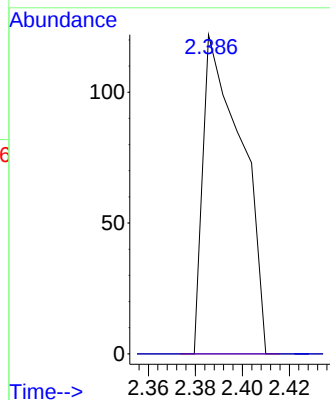
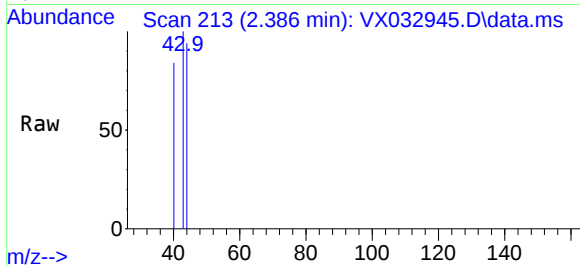




#16
Acetone
Concen: 0.252 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

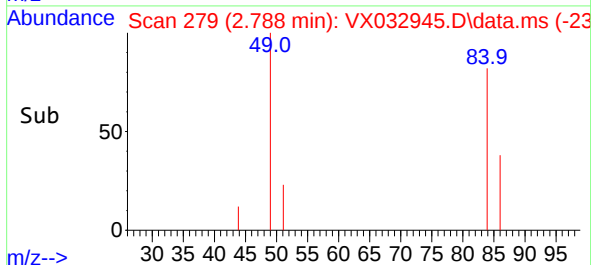
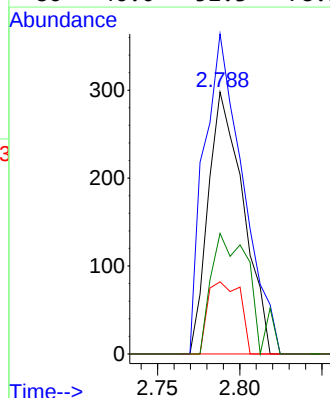
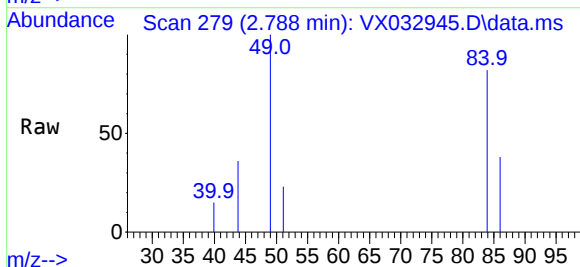
Instrument :
MSVOA_X
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RE120D2-20221116DL

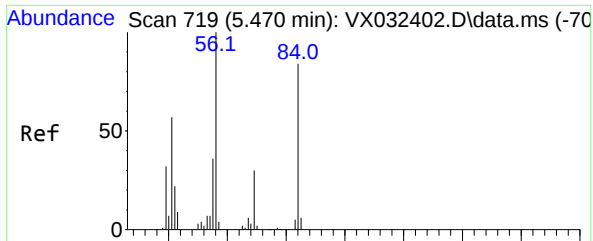
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

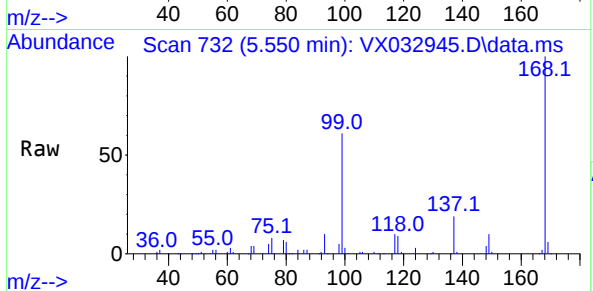
Tgt Ion: 84 Resp: 442
Ion Ratio Lower Upper
84 100
49 122.1 101.0 151.6
51 27.5 31.1 46.7#
86 46.0 52.3 78.5#



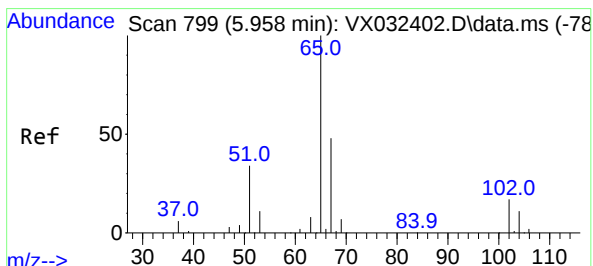
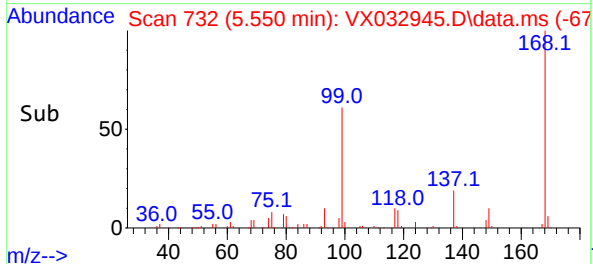
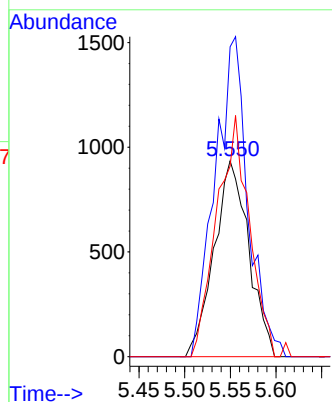


#31
Cyclohexane
Concen: 1.339 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

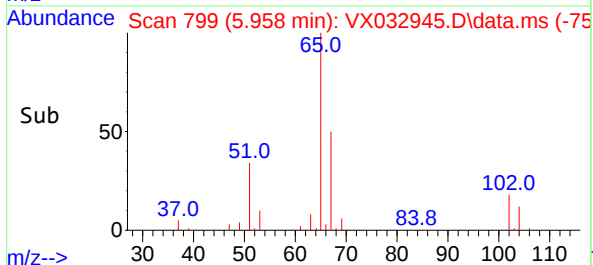
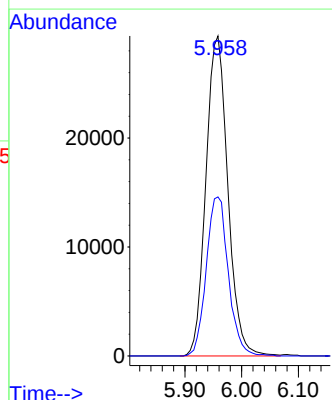
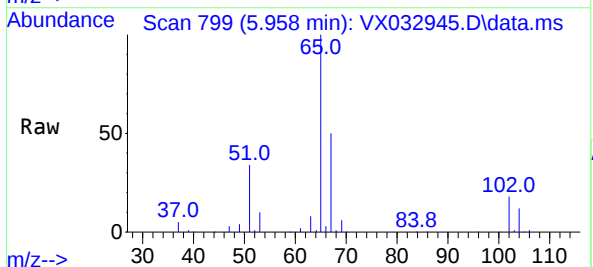


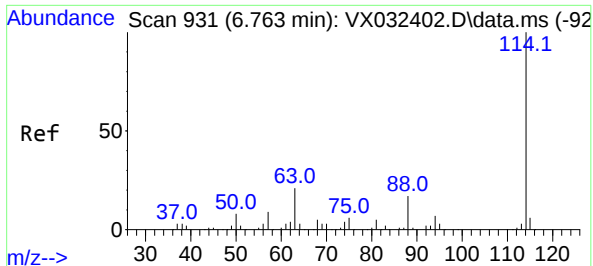
Tgt Ion: 56 Resp: 2462
Ion Ratio Lower Upper
56 100
69 158.3 24.1 36.1#
84 97.3 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.006 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion: 65 Resp: 78872
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

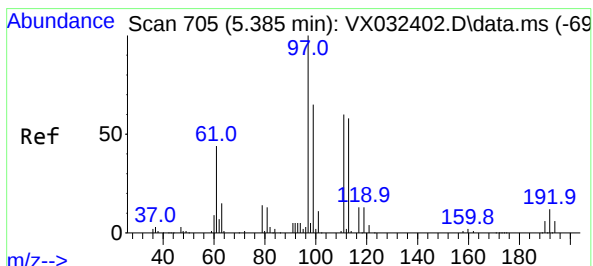
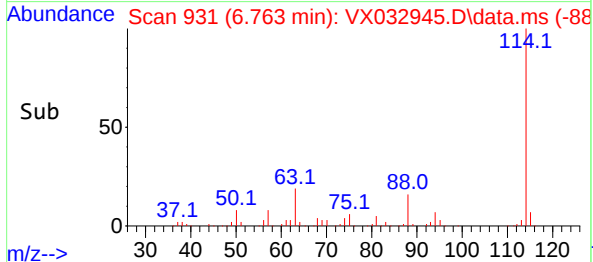
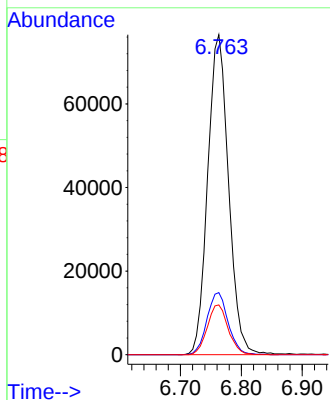
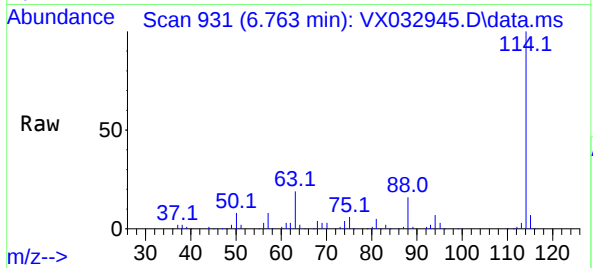




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

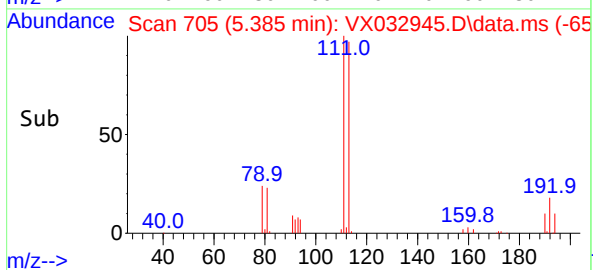
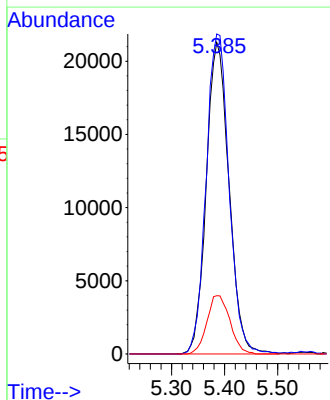
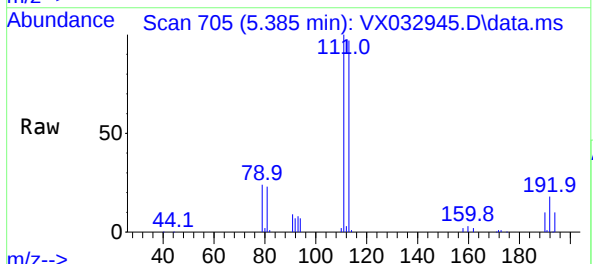
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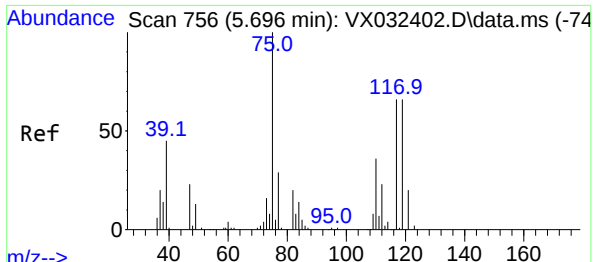
Tgt Ion:114 Resp: 181956
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.761 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

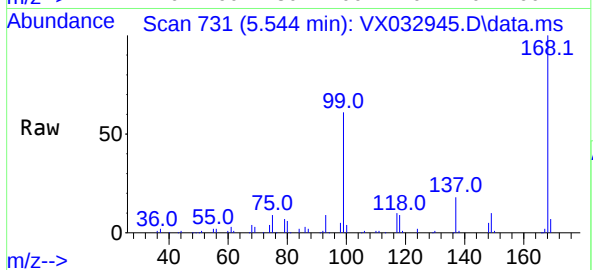
Tgt Ion:113 Resp: 63288
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 19.0 15.4 23.2



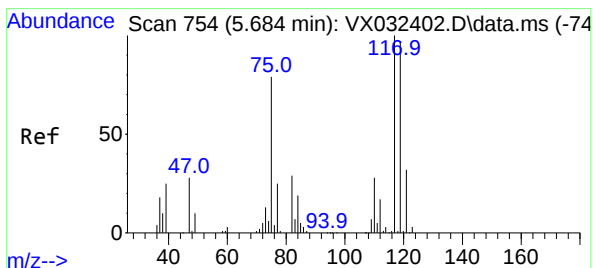
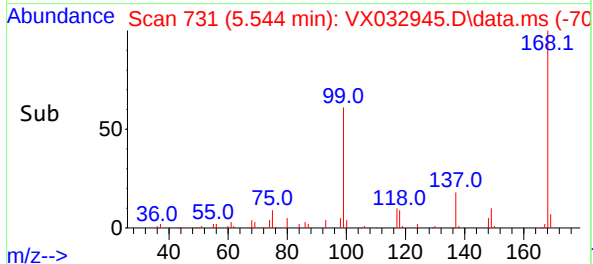
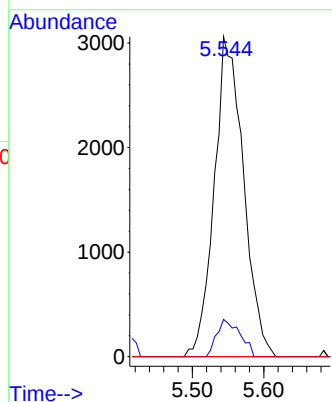


#36
1,1-Dichloropropene
Concen: 4.805 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

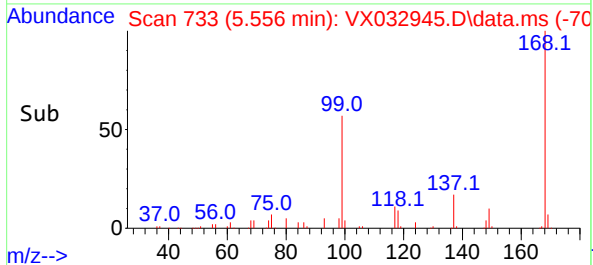
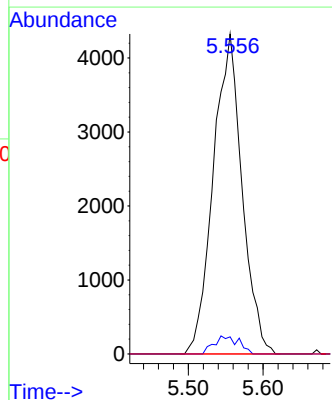
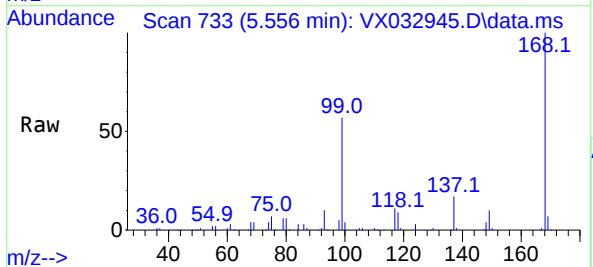


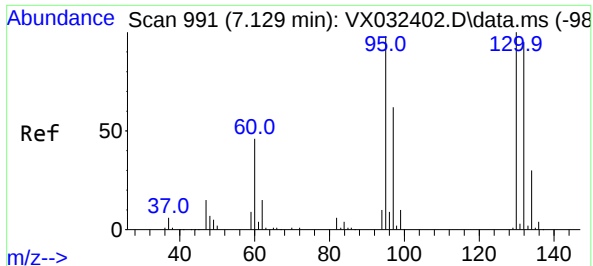
Tgt Ion: 75 Resp: 8685
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion: 117 Resp: 11572
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 25.8 38.6#

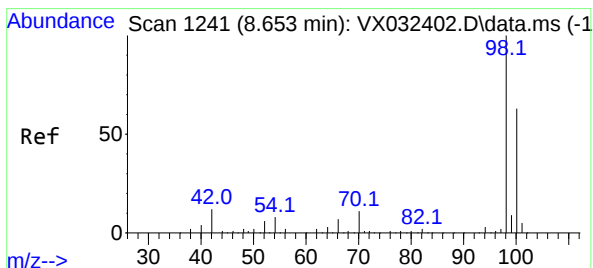
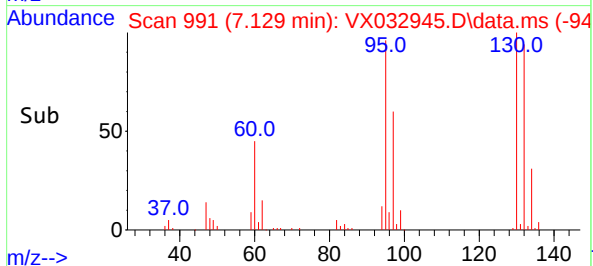
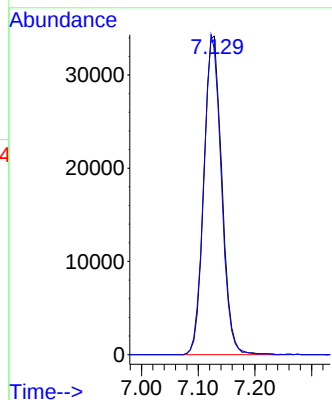
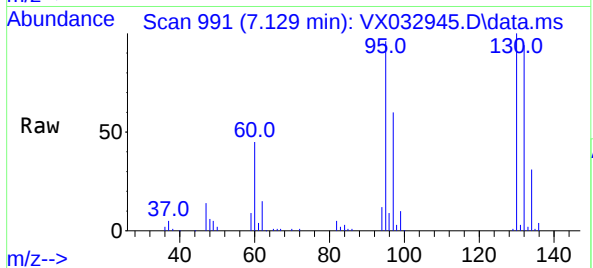




#44
Trichloroethene
Concen: 52.171 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

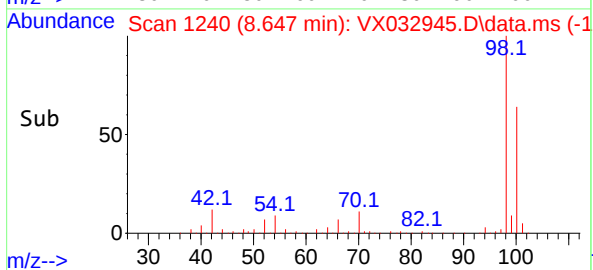
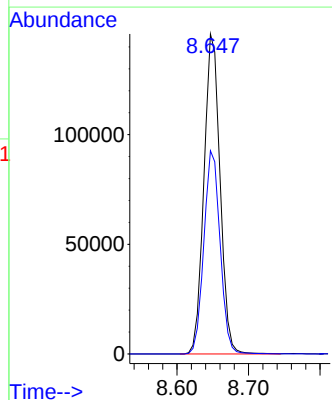
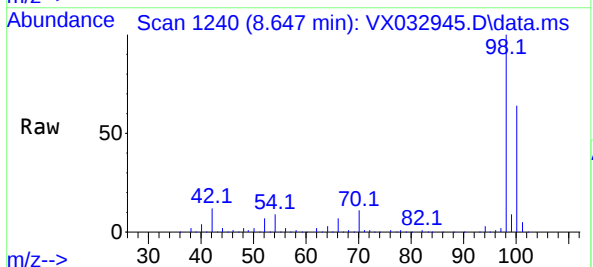
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

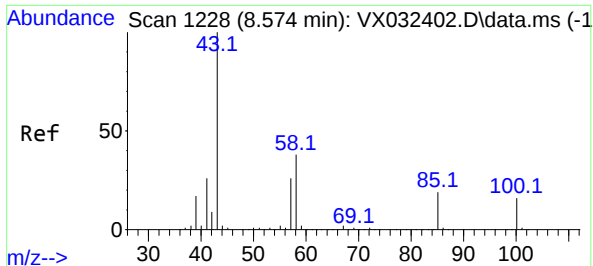
Tgt Ion:130 Resp: 75116
Ion Ratio Lower Upper
130 100
95 95.8 0.0 195.2



#50
Toluene-d8
Concen: 50.609 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion: 98 Resp: 228405
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

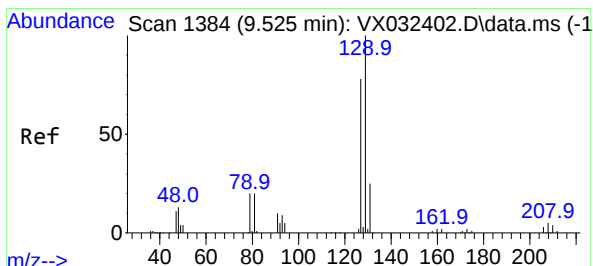
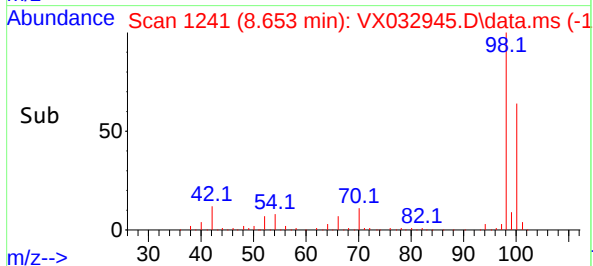
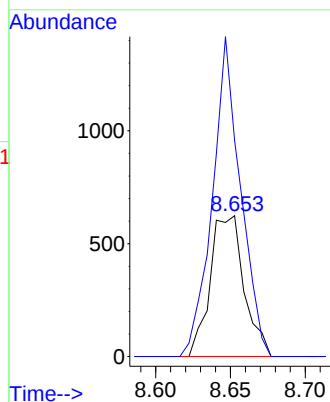
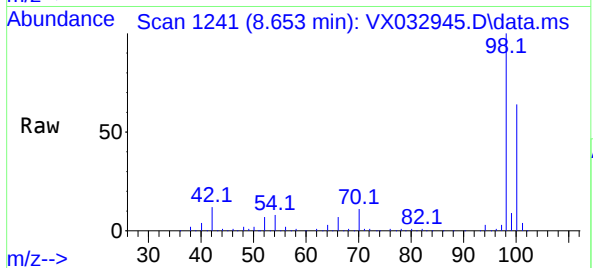




#51
4-Methyl-2-Pentanone
Concen: 0.541 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

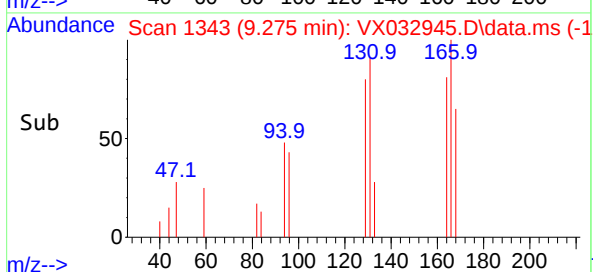
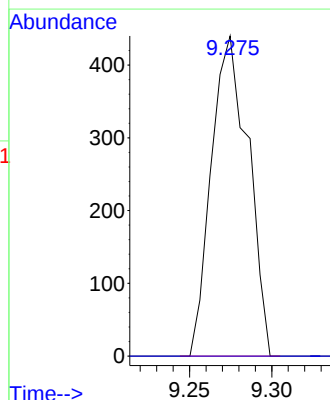
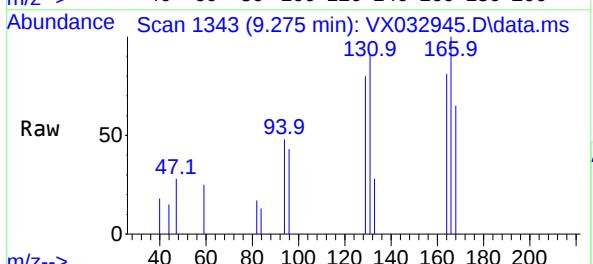
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

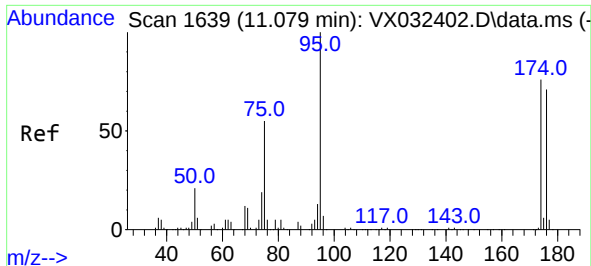
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 188.3 30.9 46.3#



#60
Dibromochloromethane
Concen: 0.448 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion: 129 Resp: 687
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

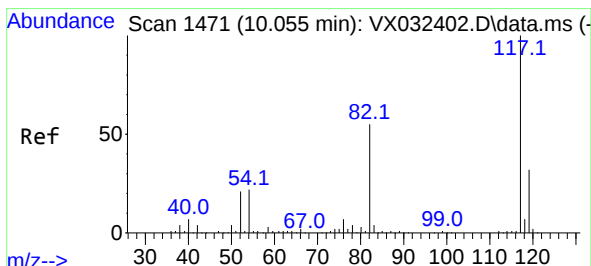
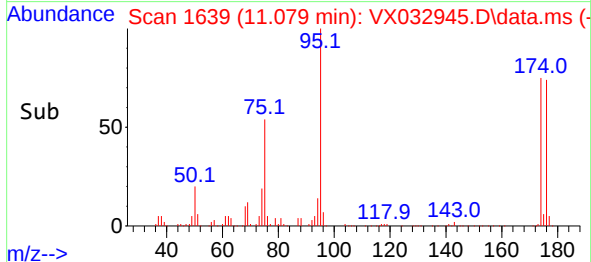
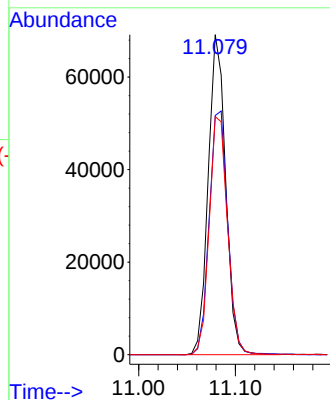
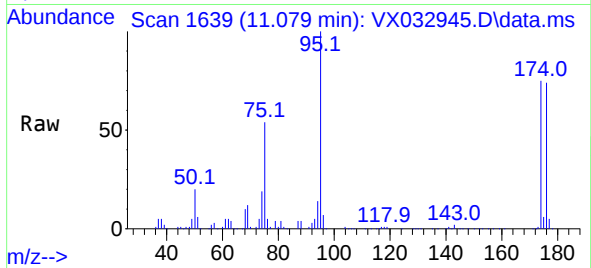




#62
4-Bromofluorobenzene
Concen: 49.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

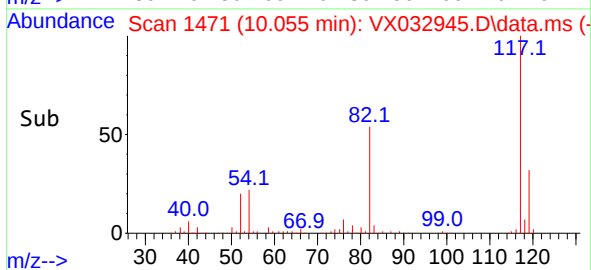
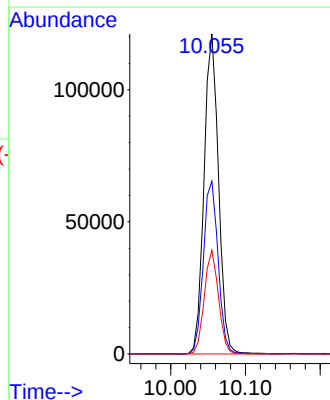
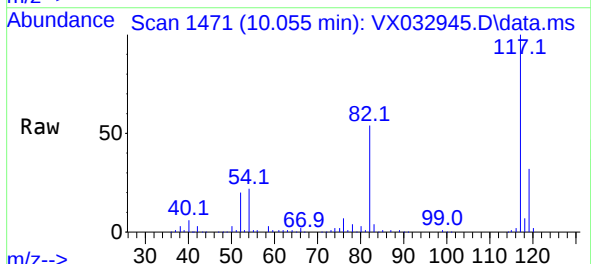
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

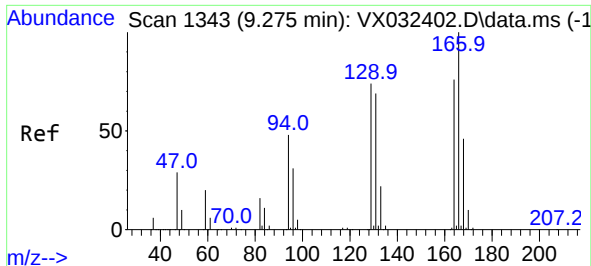
Tgt Ion: 95 Resp: 86579
Ion Ratio Lower Upper
95 100
174 80.9 0.0 164.0
176 78.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion: 117 Resp: 163033
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.4 25.7 38.5



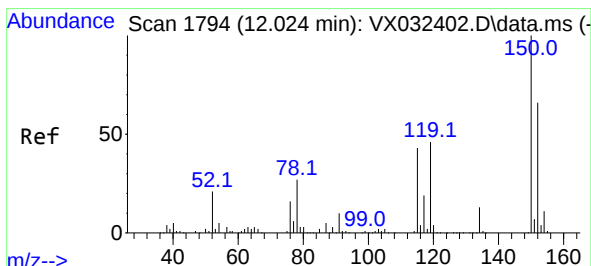
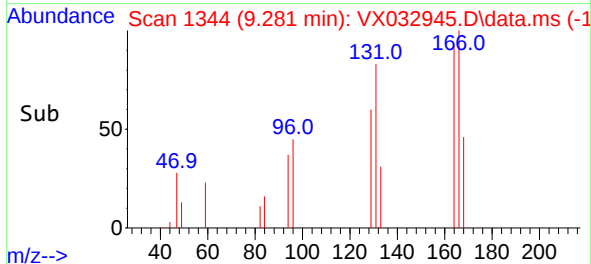
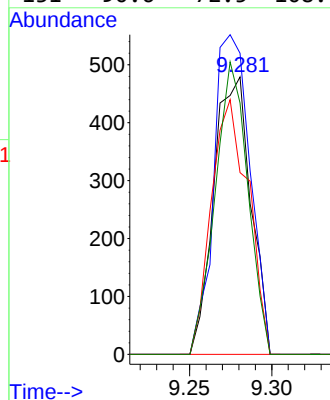
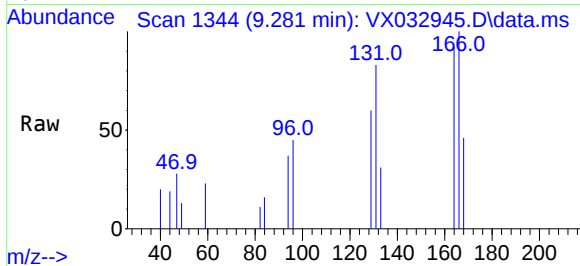


#64
Tetrachloroethene
Concen: 0.629 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

Tgt Ion:164 Resp: 750

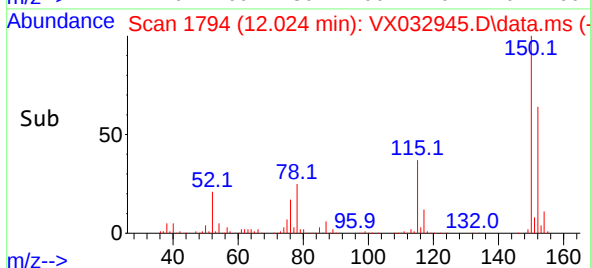
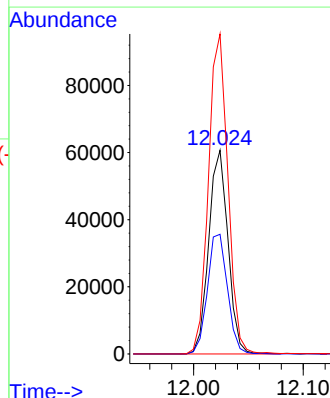
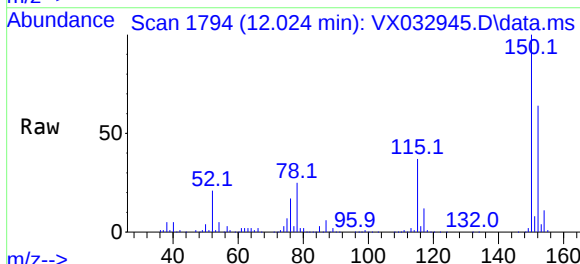
Ion	Ratio	Lower	Upper
164	100		
166	108.6	105.4	158.2
129	65.6	78.2	117.2#
131	90.6	72.5	108.7

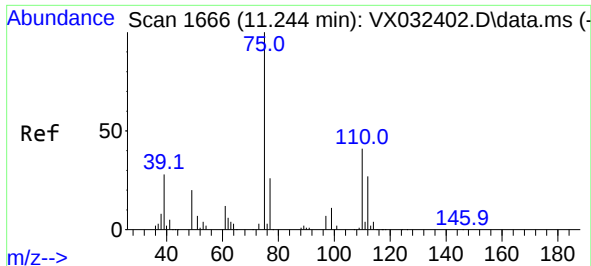


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion:152 Resp: 74157

Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.0	132.0
150	158.8	0.0	351.8

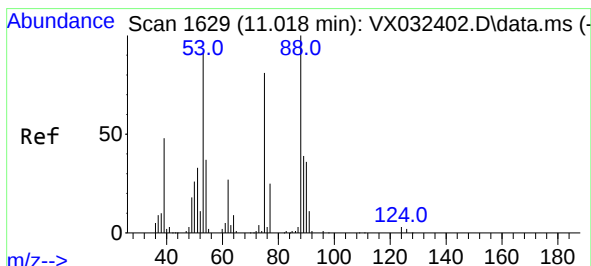
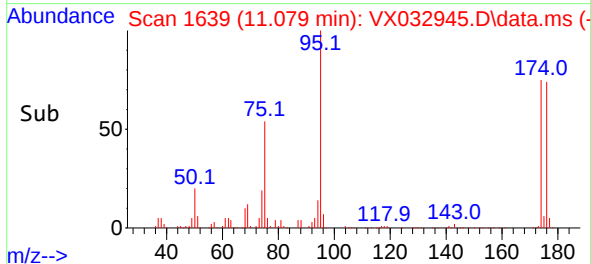
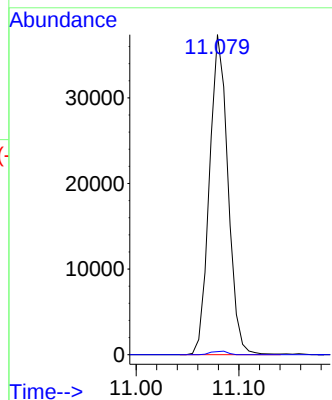
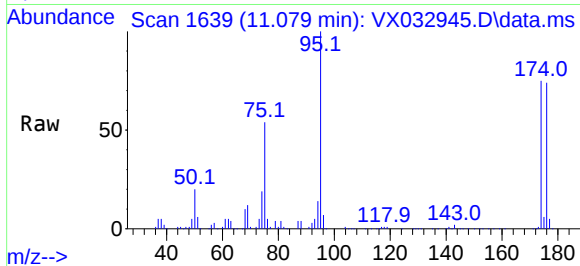




#76
1,2,3-Trichloropropane
Concen: 28.345 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

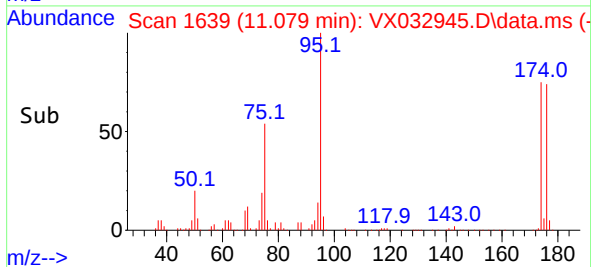
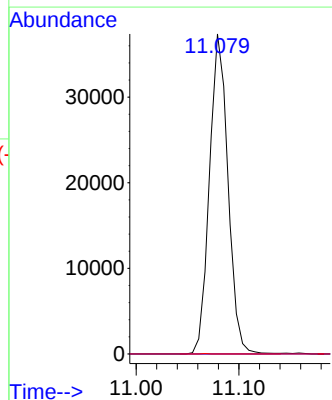
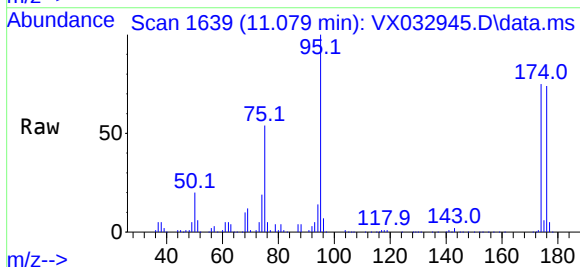
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116DL

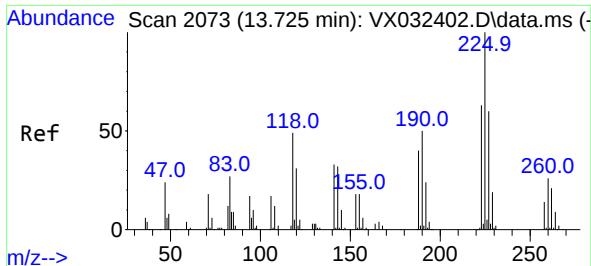
Tgt Ion: 75 Resp: 46764
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032945.D
Acq: 21 Nov 2022 12:27

Tgt Ion: 75 Resp: 46764
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#94

Hexachlorobutadiene

Concen: 0.295 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX032945.D

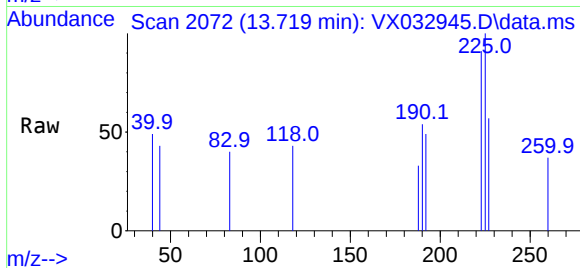
Acq: 21 Nov 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20221116DL



Tgt Ion:225 Resp: 215

Ion Ratio Lower Upper

225 100

223 74.0 31.9 95.9

227 81.4 31.9 95.5

