

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111822\
 Data File : VX032935.D
 Acq On : 18 Nov 2022 19:10
 Operator : JC/MD
 Sample : N5672-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20221116

Quant Time: Nov 19 03:11:05 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

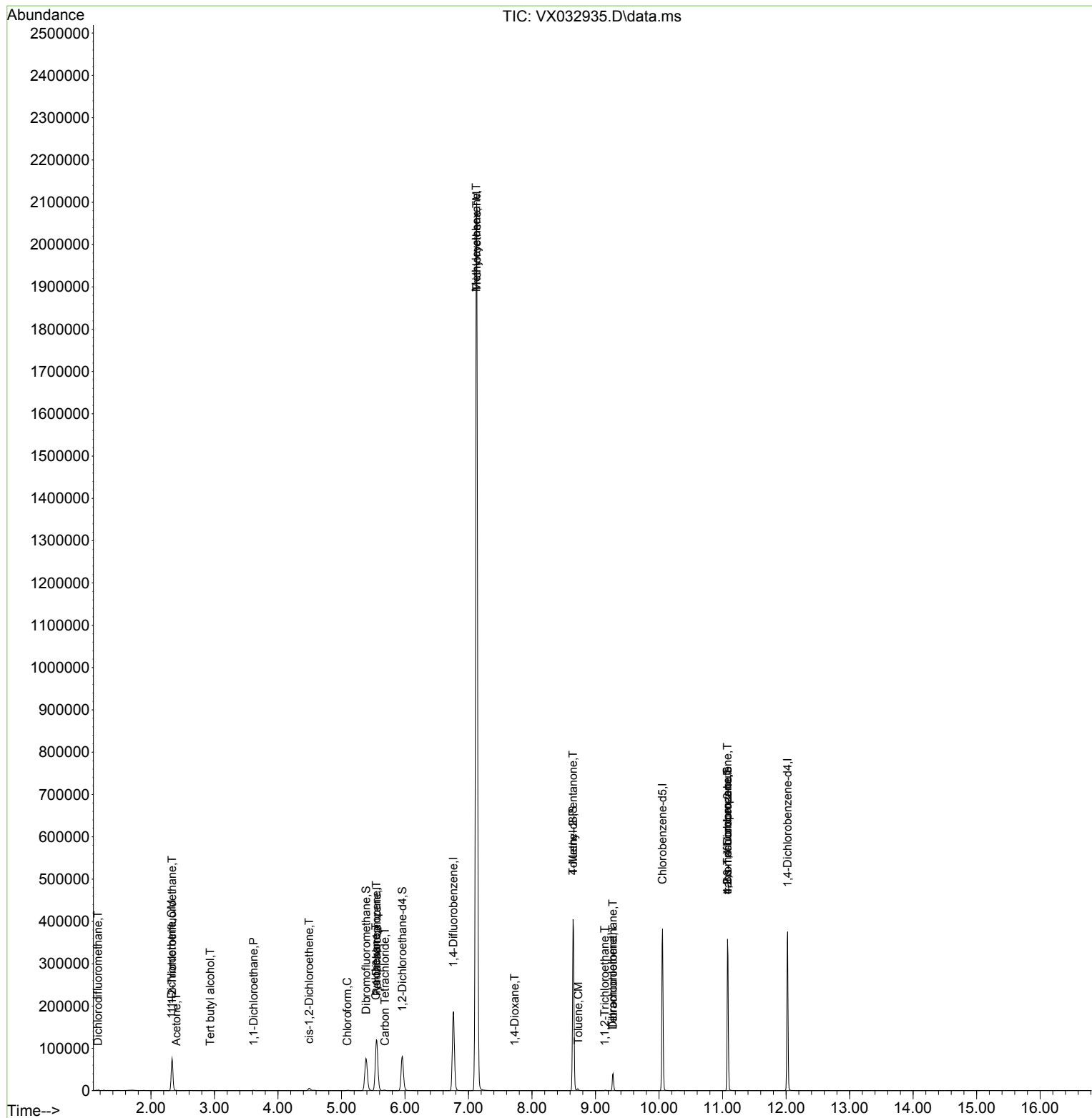
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	113411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188839	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81180	51.516	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.040%	
35) Dibromofluoromethane	5.385	113	65095	48.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.660%	
50) Toluene-d8	8.647	98	237407	50.686	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.380%	
62) 4-Bromofluorobenzene	11.079	95	88797	48.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	335	0.256	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	27687	22.741	ug/l	99
11) Tert butyl alcohol	2.934	59	245	1.068	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	2612	2.297	ug/l	91
16) Acetone	2.398	43	504	0.880	ug/l #	45
24) 1,1-Dichloroethane	3.617	63	1039	0.461	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	3691	2.579	ug/l	92
30) Chloroform	5.093	83	593	0.240	ug/l	92
31) Cyclohexane	5.544	56	2567	1.344	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	8778	4.680	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1109	0.533	ug/l #	88
39) Methylcyclohexane	7.123	83	9479	4.271	ug/l #	1
44) Trichloroethene	7.129	130	801552	536.415	ug/l	99
49) 1,4-Dioxane	7.726	88	437	14.810	ug/l #	43
51) 4-Methyl-2-Pentanone	8.647	43	1076	0.570	ug/l #	1
52) Toluene	8.726	92	1802	0.520	ug/l	90
55) 1,1,2-Trichloroethane	9.147	97	339	0.232	ug/l #	78
60) Dibromochloromethane	9.275	129	7201	4.520	ug/l #	11
64) Tetrachloroethene	9.275	164	6808	5.455	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	47985	27.921	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	47985	88.845	ug/l #	6

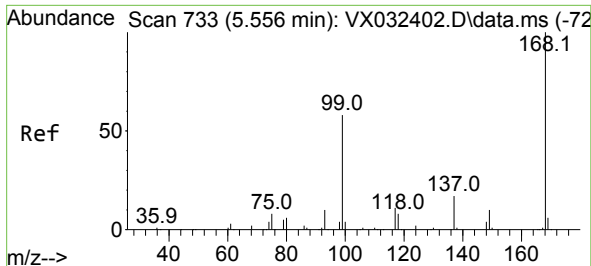
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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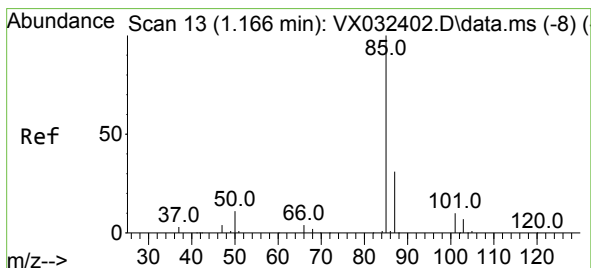
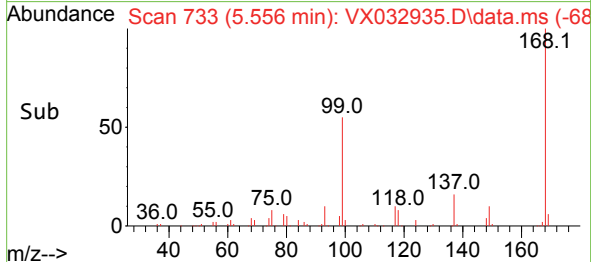
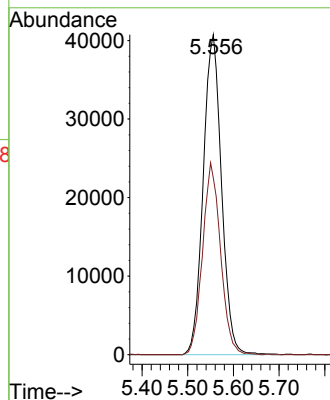
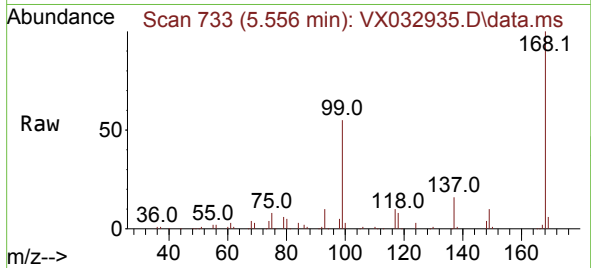




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

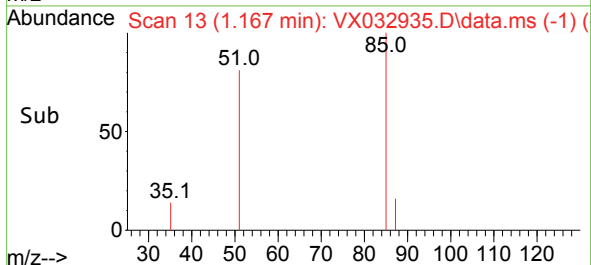
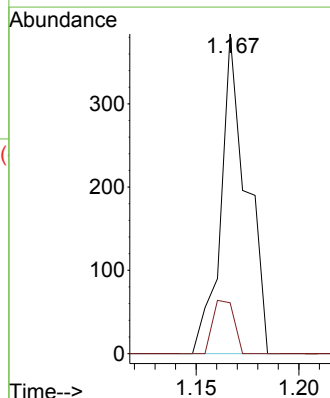
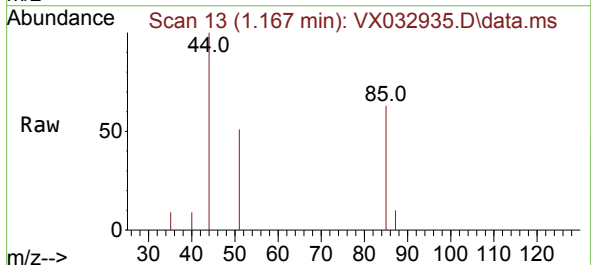
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

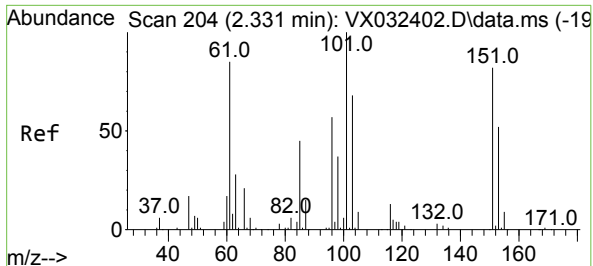
Tgt Ion:168 Resp: 113411
Ion Ratio Lower Upper
168 100
99 55.2 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.256 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 85 Resp: 335
Ion Ratio Lower Upper
85 100
87 15.9 15.6 46.7

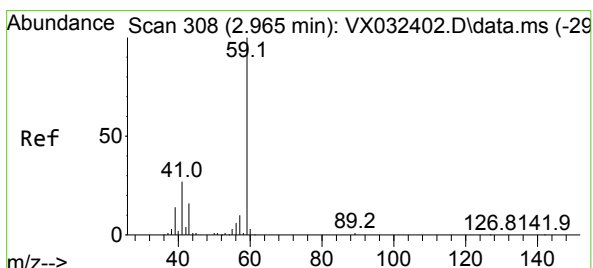
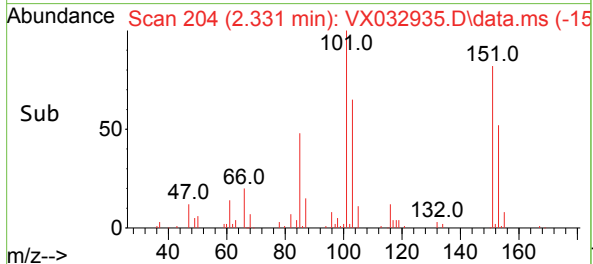
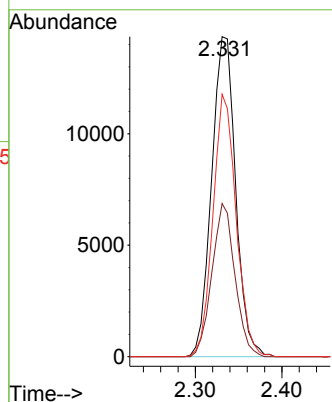
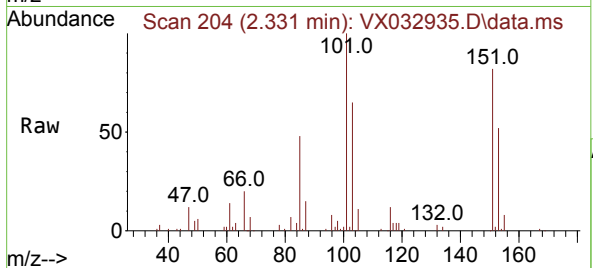




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.741 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

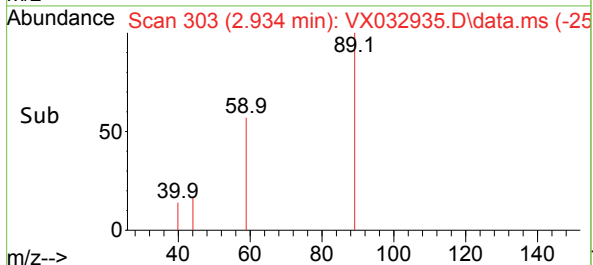
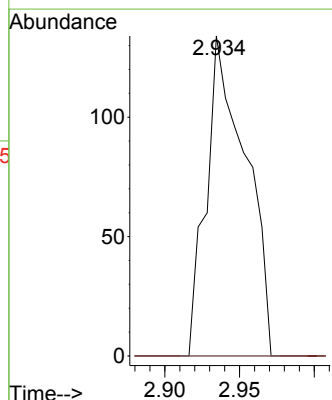
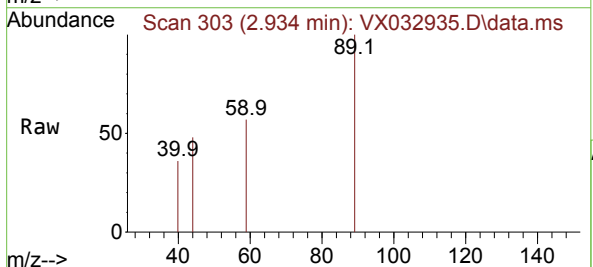
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

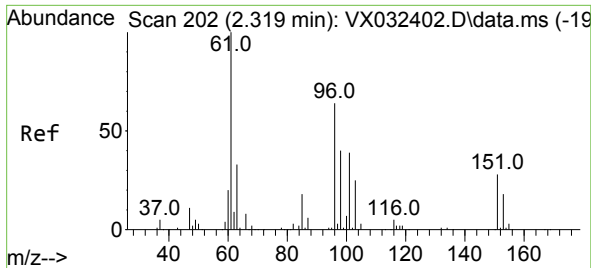
Tgt Ion:101 Resp: 27687
Ion Ratio Lower Upper
101 100
85 45.7 37.0 55.4
151 79.1 64.4 96.6



#11
Tert butyl alcohol
Concen: 1.068 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.030 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

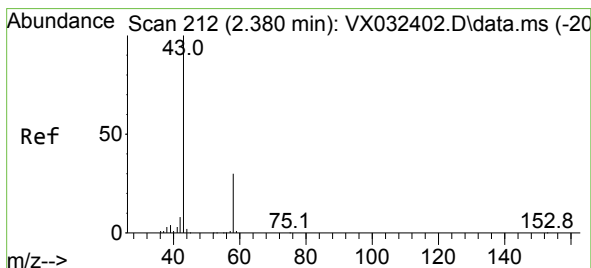
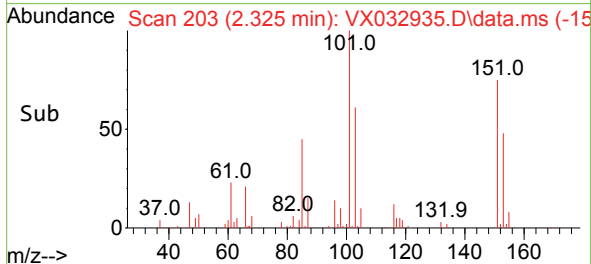
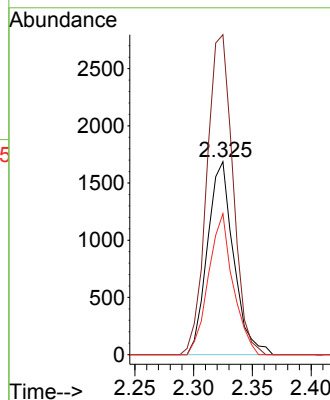
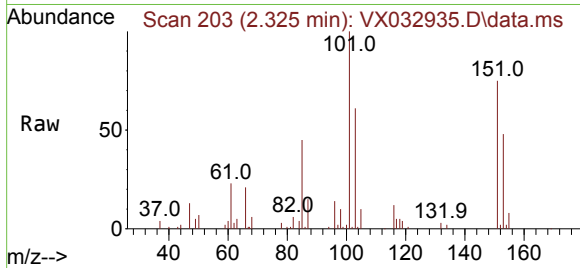




#12
1,1-Dichloroethene
Concen: 2.297 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

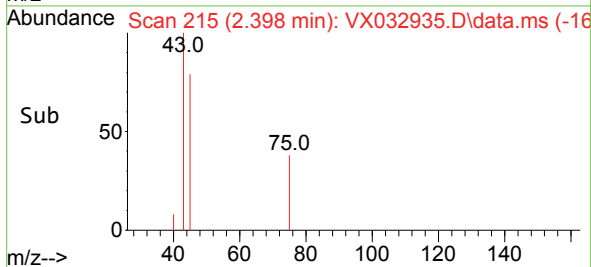
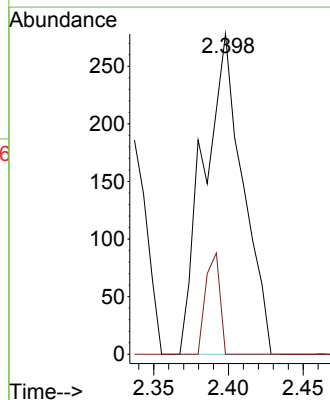
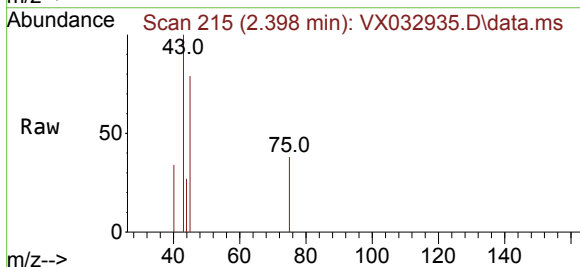
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

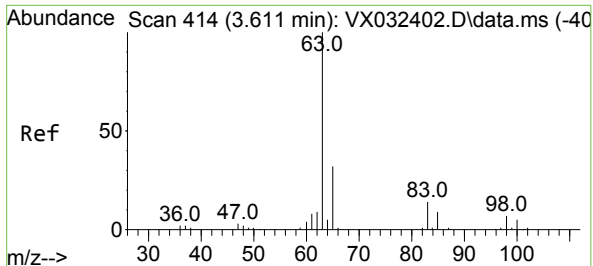
Tgt Ion: 96 Resp: 2612
Ion Ratio Lower Upper
96 100
61 165.9 125.1 187.7
98 73.1 50.6 76.0



#16
Acetone
Concen: 0.880 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.018 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#

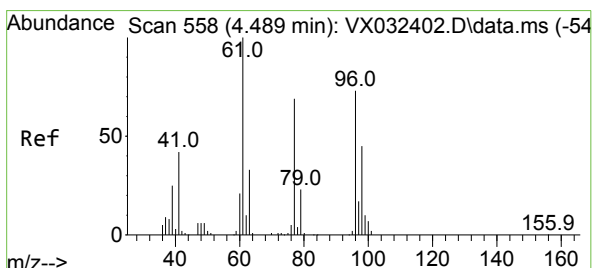
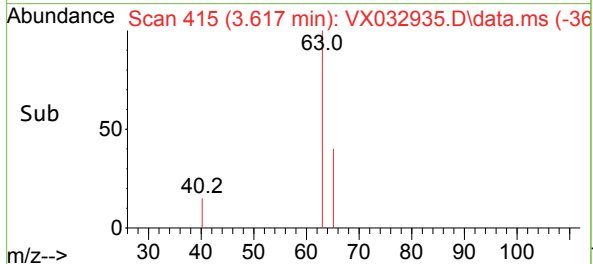
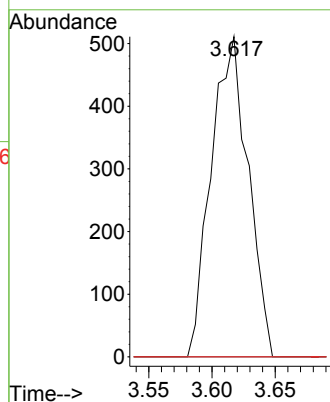
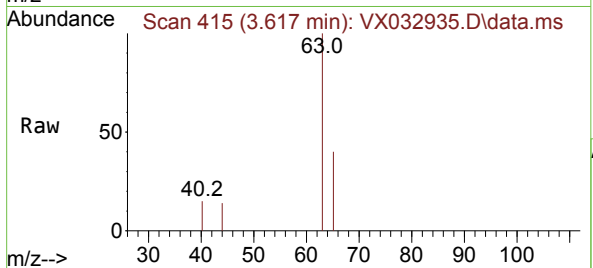




#24
 1,1-Dichloroethane
 Concen: 0.461 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX032935.D
 Acq: 18 Nov 2022 19:10

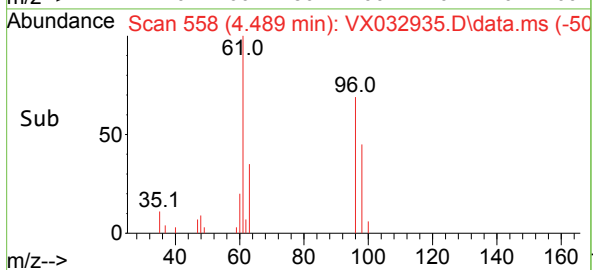
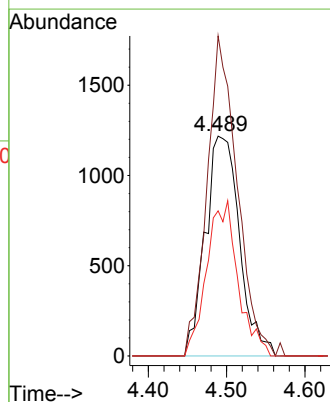
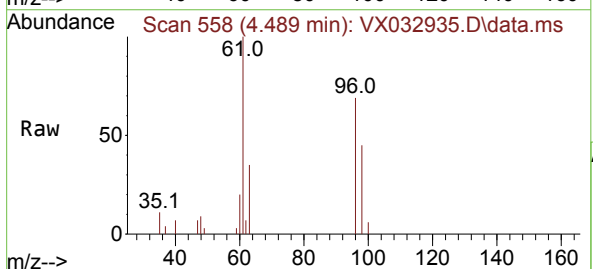
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20221116

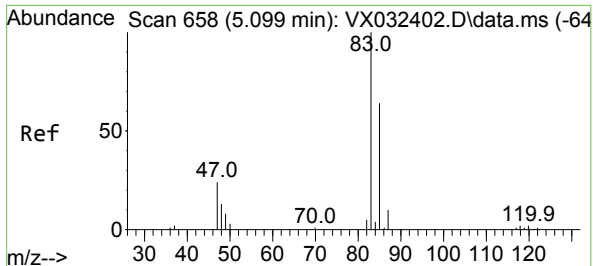
Tgt Ion: 63 Resp: 1039
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.3 6.8#



#27
 cis-1,2-Dichloroethene
 Concen: 2.579 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX032935.D
 Acq: 18 Nov 2022 19:10

Tgt Ion: 96 Resp: 3691
 Ion Ratio Lower Upper
 96 100
 61 128.4 0.0 286.0
 98 64.4 0.0 129.6





#30

Chloroform

Concen: 0.240 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX032935.D

Acq: 18 Nov 2022 19:10

Instrument :

MSVOA_X

ClientSampleId :

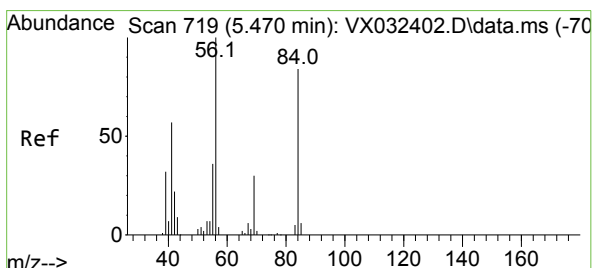
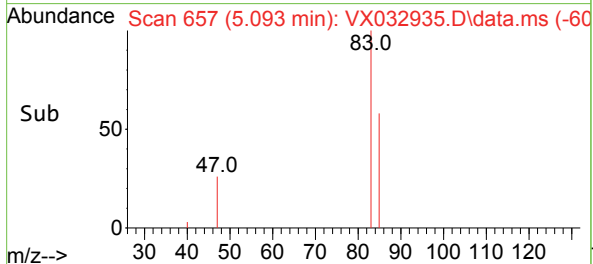
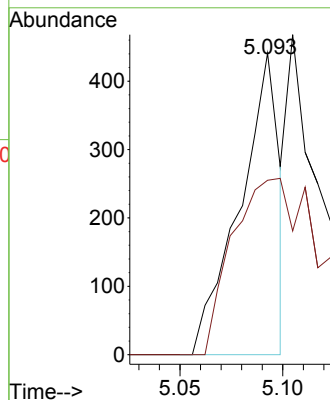
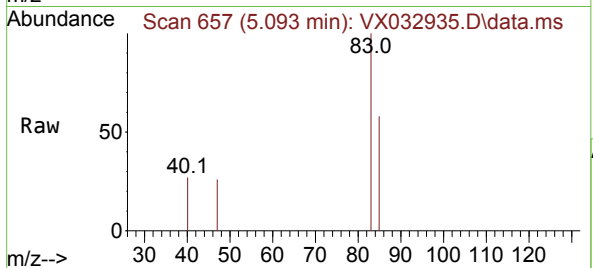
RE120D2-20221116

Tgt Ion: 83 Resp: 593

Ion Ratio Lower Upper

83 100

85 57.8 51.1 76.7



#31

Cyclohexane

Concen: 1.344 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX032935.D

Acq: 18 Nov 2022 19:10

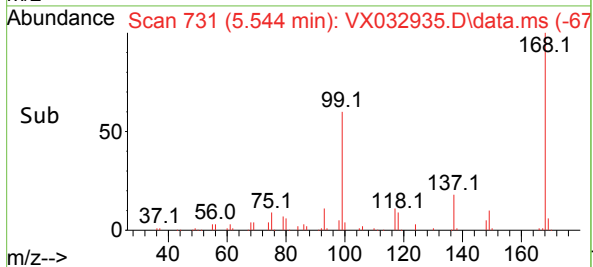
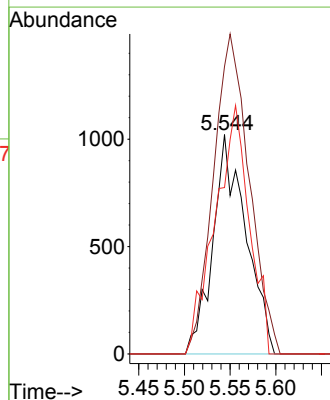
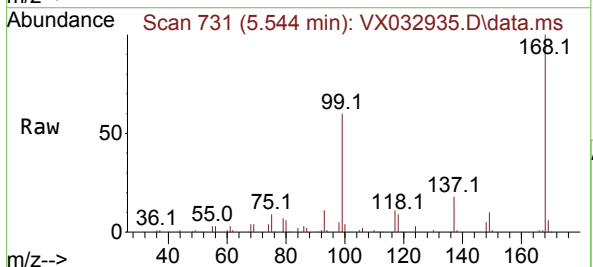
Tgt Ion: 56 Resp: 2567

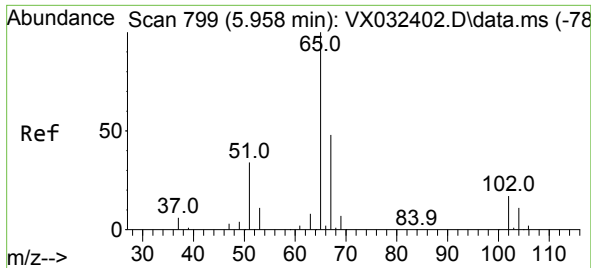
Ion Ratio Lower Upper

56 100

69 131.1 24.1 36.1#

84 75.9 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 51.516 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032935.D

Acq: 18 Nov 2022 19:10

Instrument :

MSVOA_X

ClientSampleId :

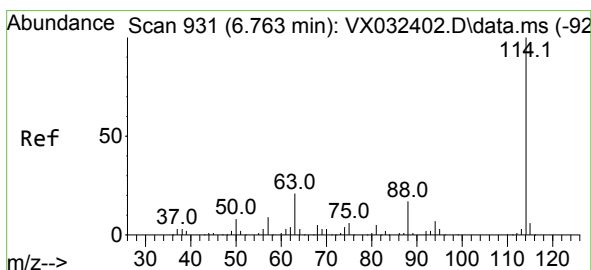
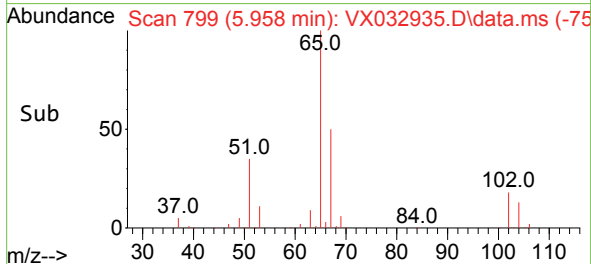
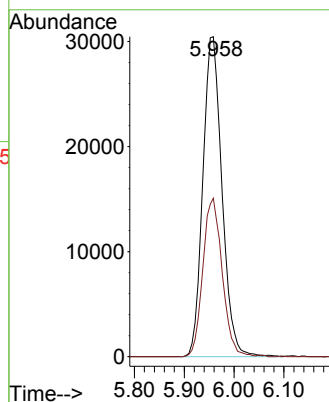
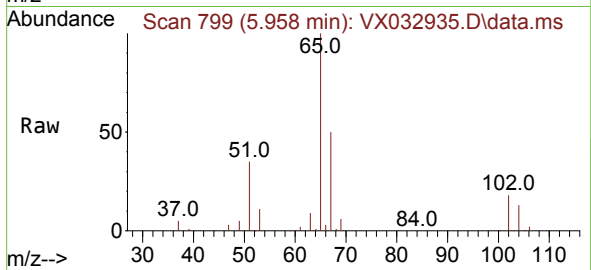
RE120D2-20221116

Tgt Ion: 65 Resp: 81180

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032935.D

Acq: 18 Nov 2022 19:10

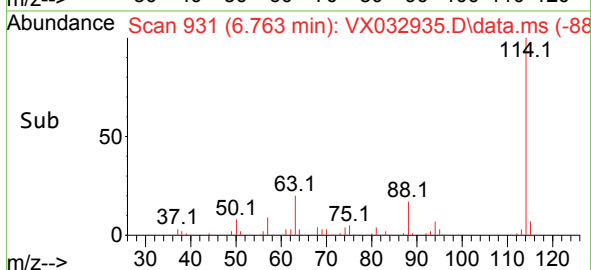
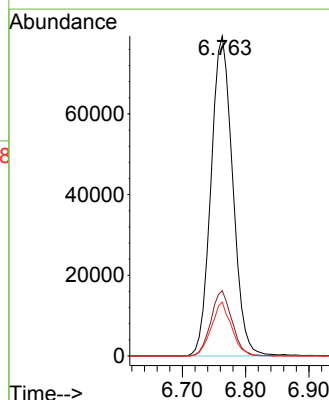
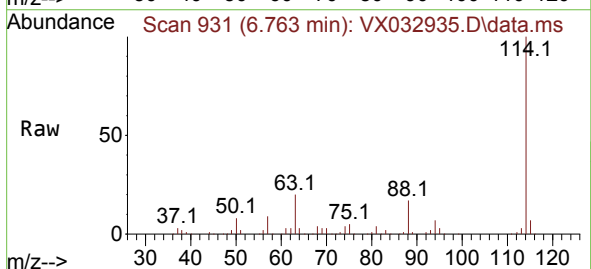
Tgt Ion: 114 Resp: 188839

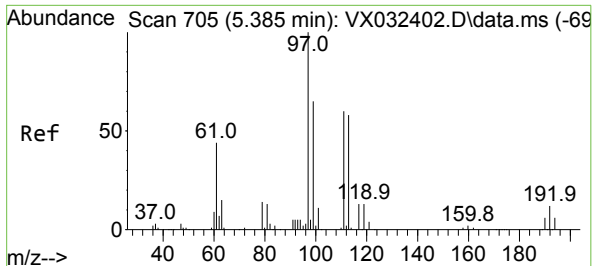
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 16.9 0.0 33.4

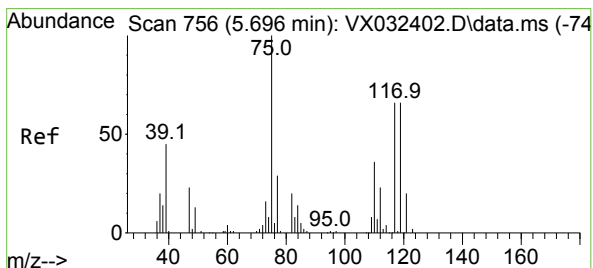
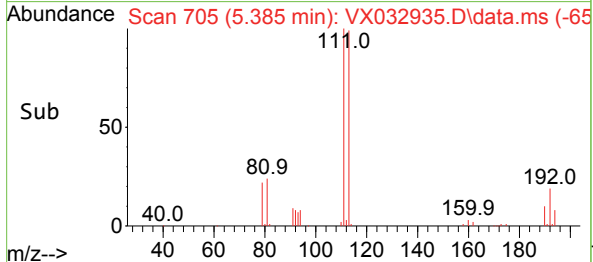
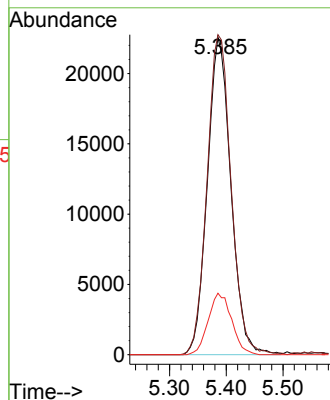
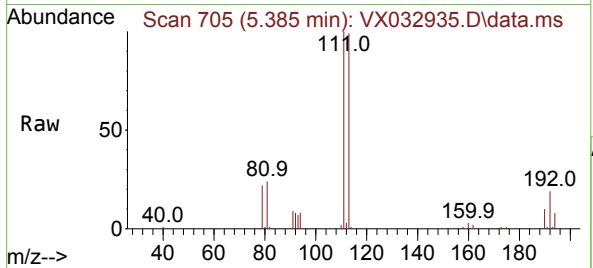




#35
Dibromofluoromethane
Concen: 48.326 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

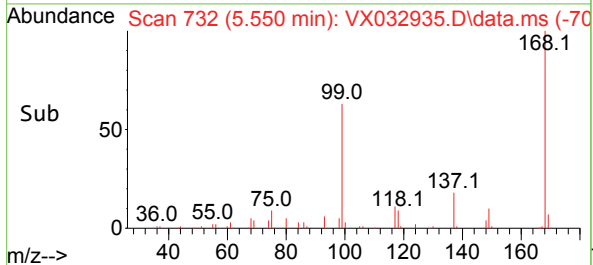
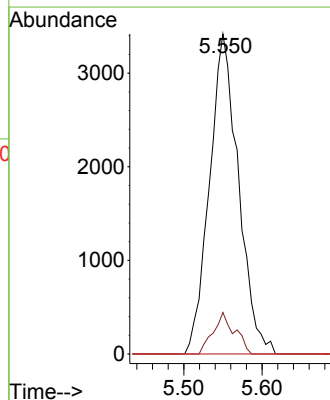
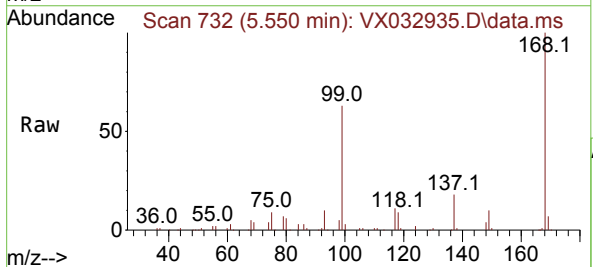
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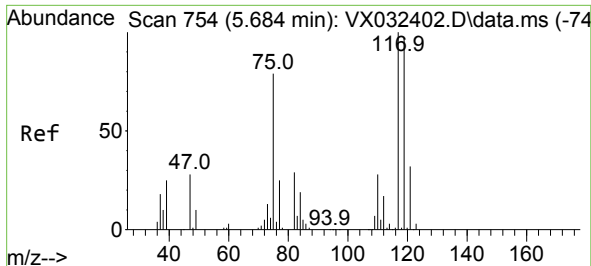
Tgt Ion:113 Resp: 65095
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 19.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 75 Resp: 8778
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.5 36.7#

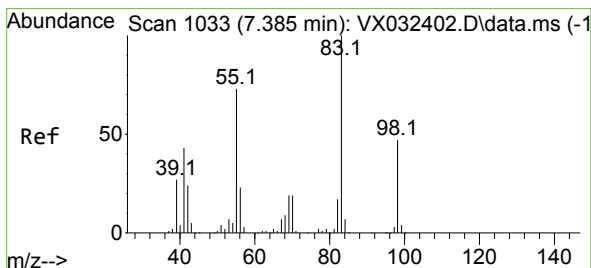
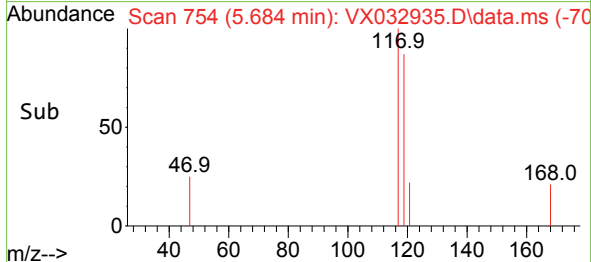
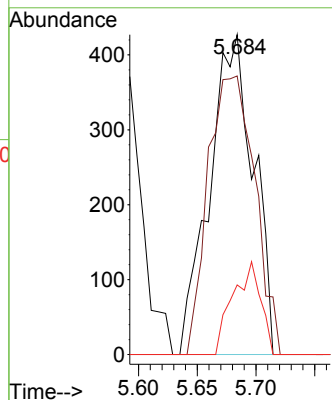
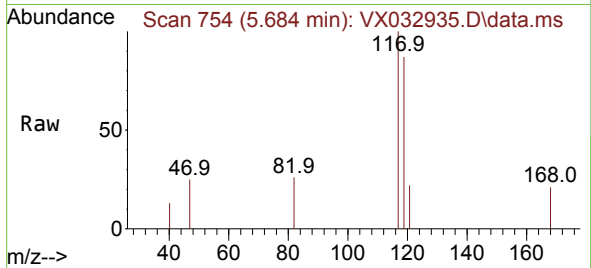




#38
Carbon Tetrachloride
Concen: 0.533 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

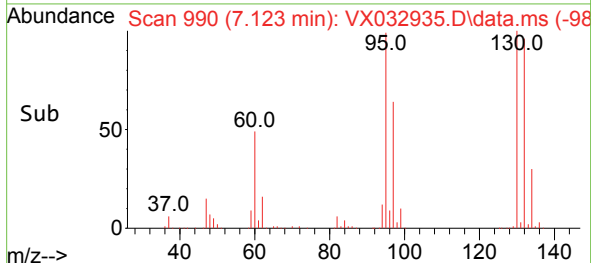
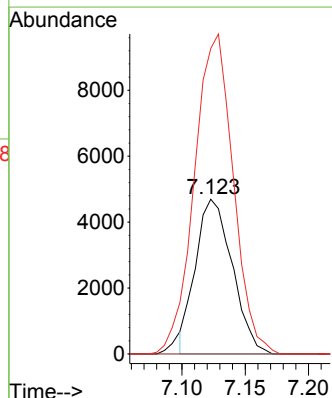
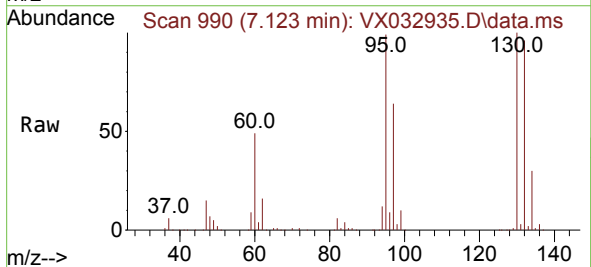
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

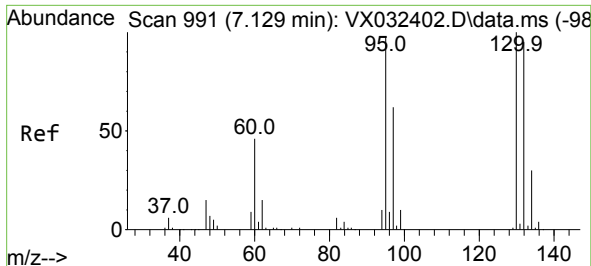
Tgt Ion:117 Resp: 1109
Ion Ratio Lower Upper
117 100
119 87.1 77.2 115.8
121 21.8 25.8 38.6#



#39
Methylcyclohexane
Concen: 4.271 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 83 Resp: 9479
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 197.4 37.2 55.8#

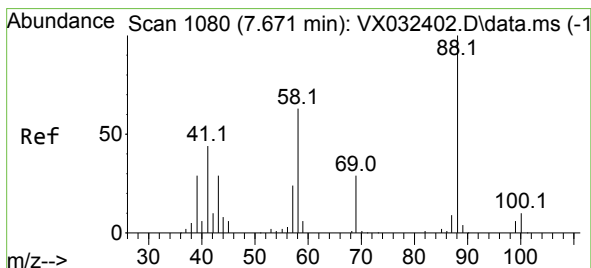
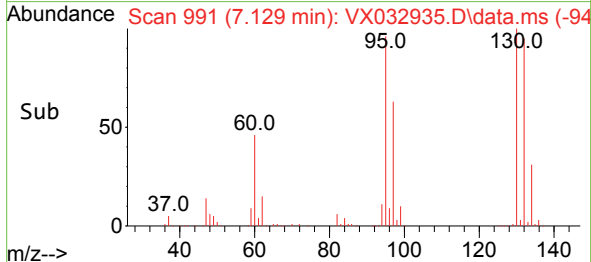
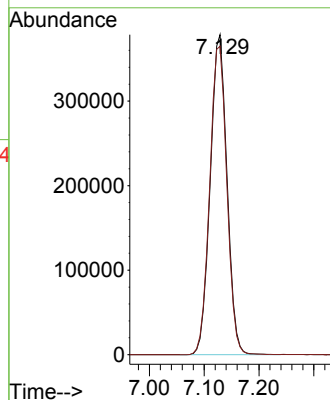
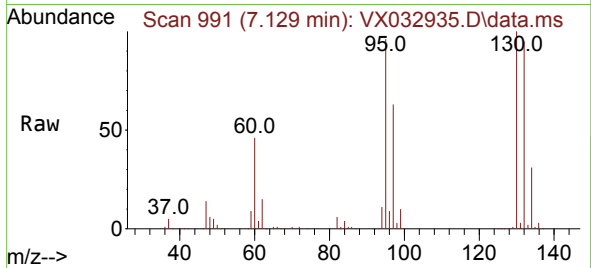




#44
Trichloroethene
Concen: 536.415 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

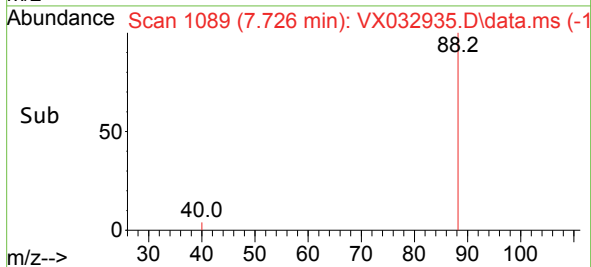
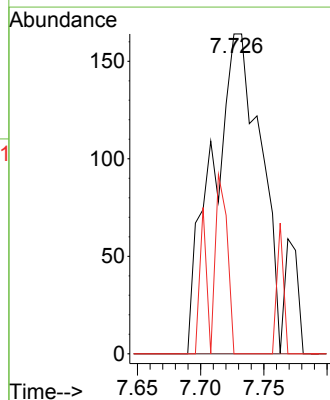
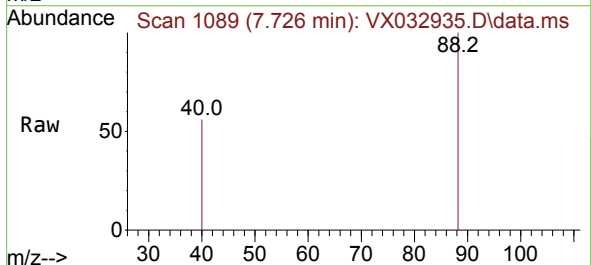
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

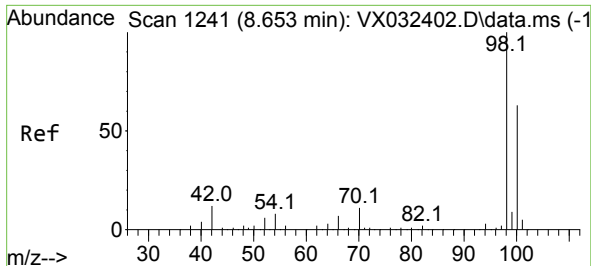
Tgt Ion:130 Resp: 801552
Ion Ratio Lower Upper
130 100
95 96.4 0.0 195.2



#49
1,4-Dioxane
Concen: 14.810 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.055 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 88 Resp: 437
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 19.9 51.7 77.5#

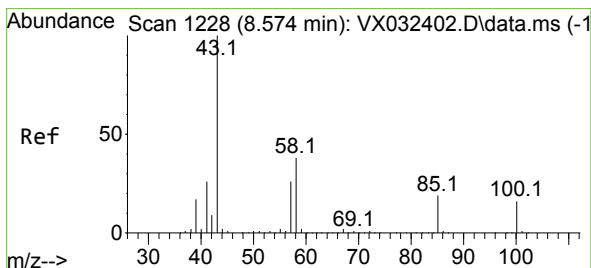
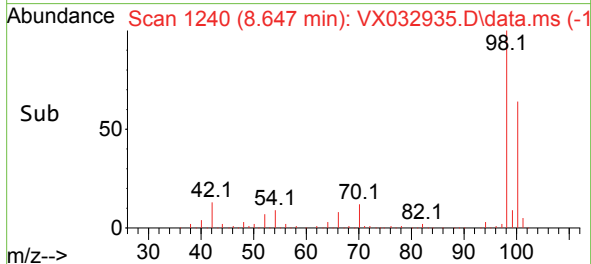
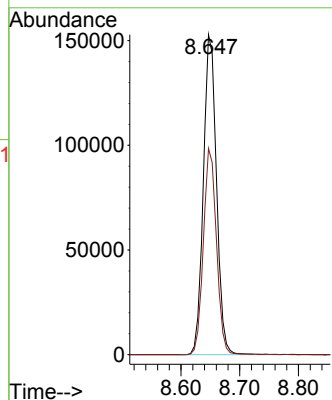
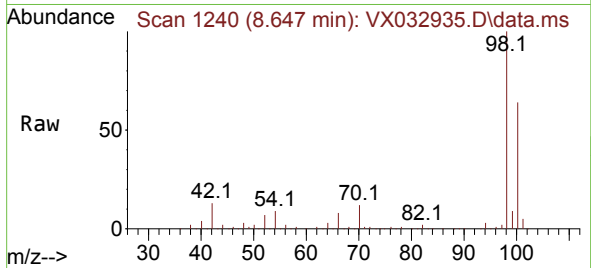




#50
Toluene-d8
Concen: 50.686 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

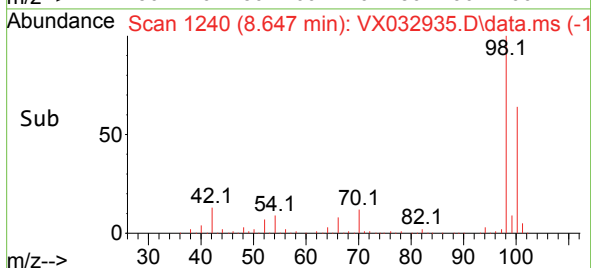
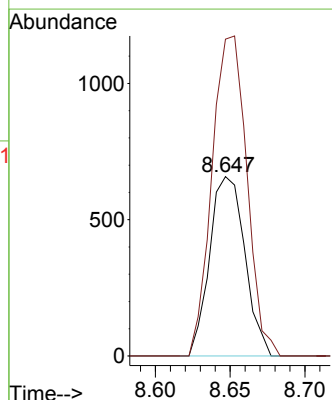
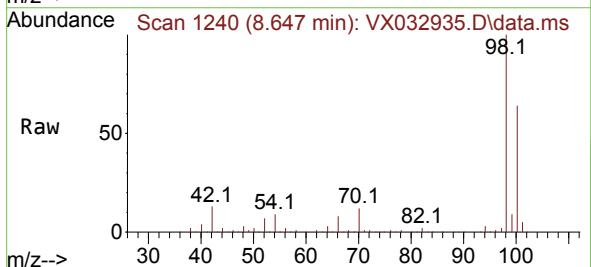
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

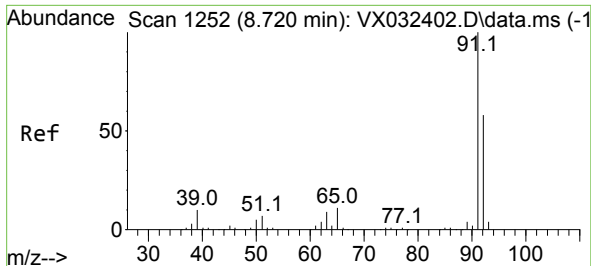
Tgt Ion: 98 Resp: 237407
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
58 177.0 30.9 46.3#

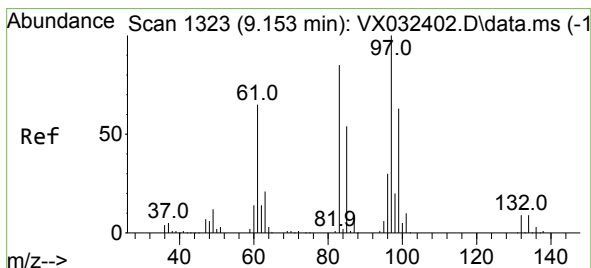
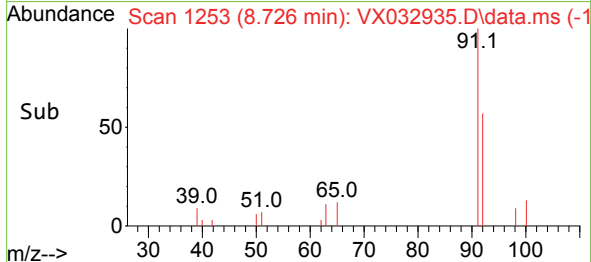
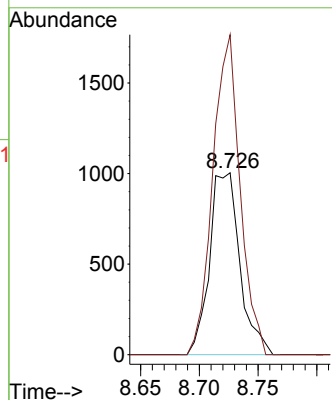
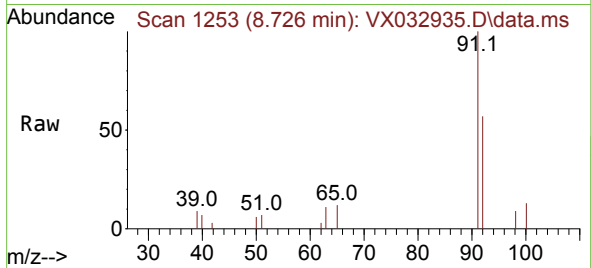




#52
Toluene
Concen: 0.520 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

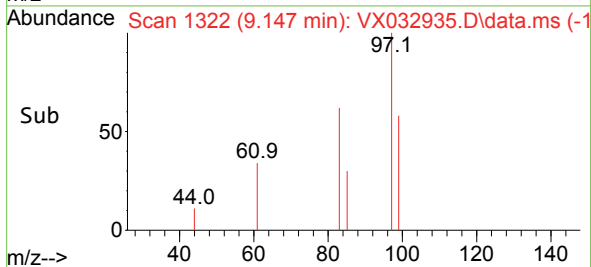
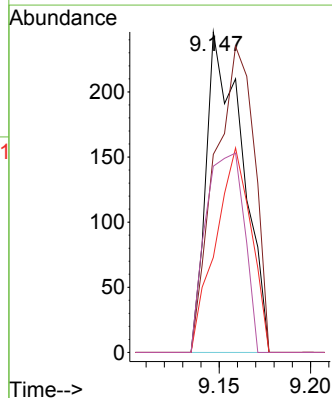
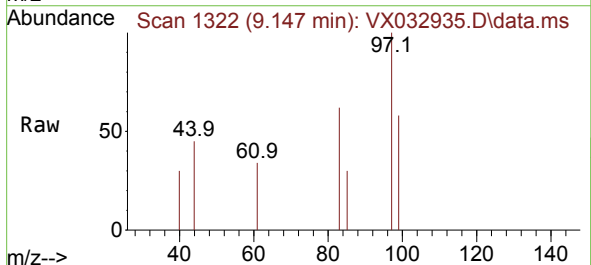
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

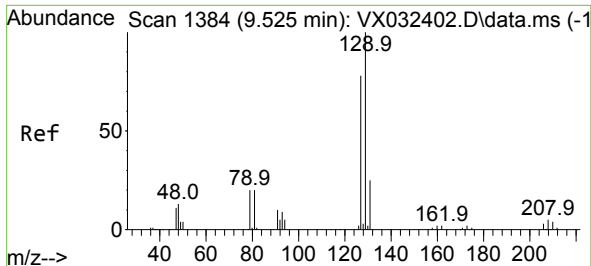
Tgt Ion: 92 Resp: 1802
Ion Ratio Lower Upper
92 100
91 158.5 138.3 207.5



#55
1,1,2-Trichloroethane
Concen: 0.232 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.006 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 97 Resp: 339
Ion Ratio Lower Upper
97 100
83 61.8 68.1 102.1#
85 29.7 43.3 64.9#
99 58.1 50.4 75.6

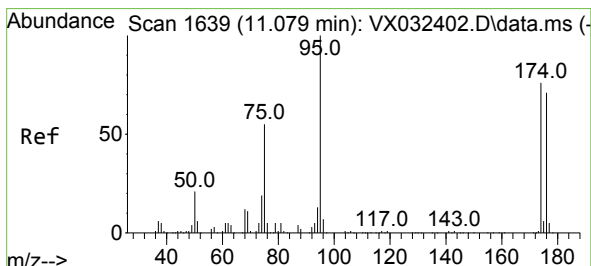
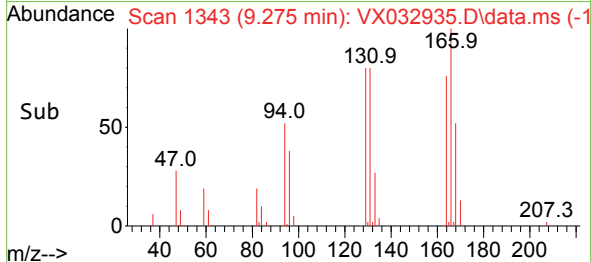
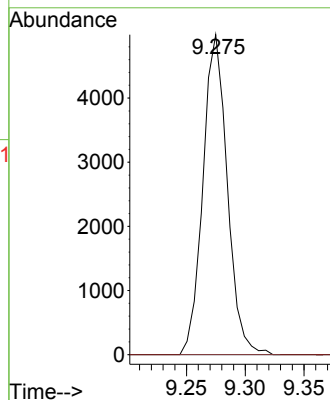
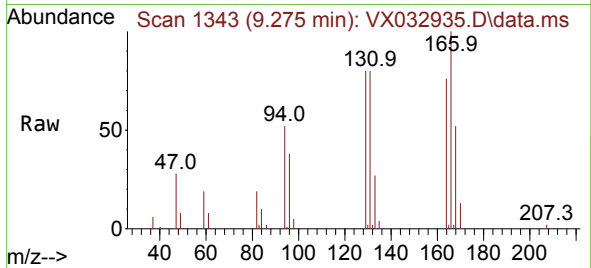




#60
Dibromochloromethane
Concen: 4.520 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

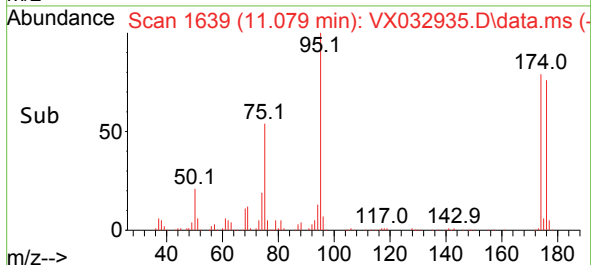
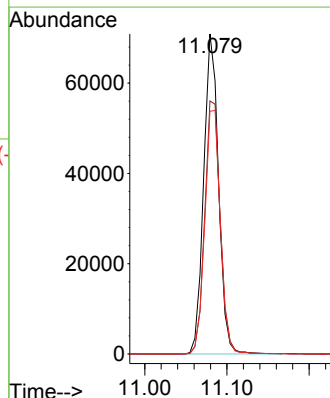
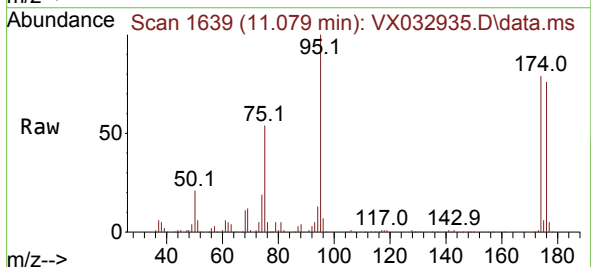
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

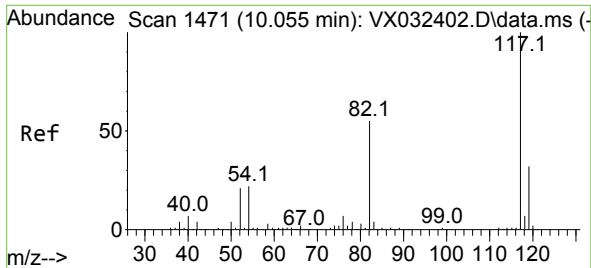
Tgt Ion:129 Resp: 7201
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 48.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion: 95 Resp: 88797
Ion Ratio Lower Upper
95 100
174 82.8 0.0 164.0
176 80.3 0.0 154.4

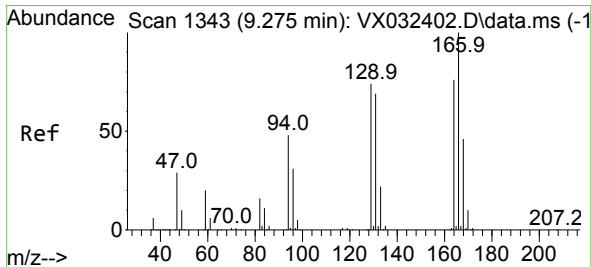
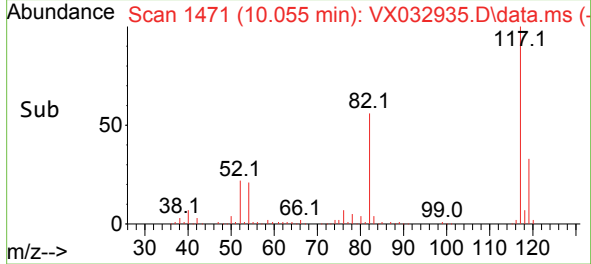
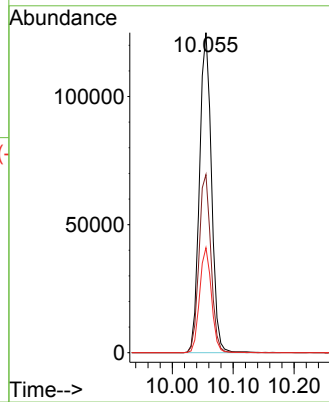
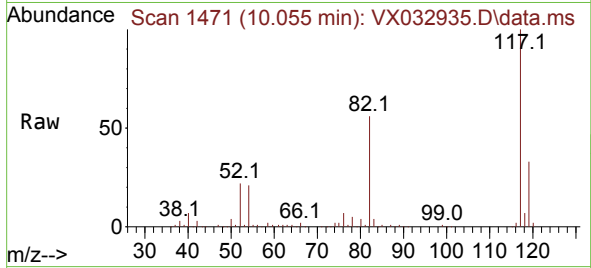




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

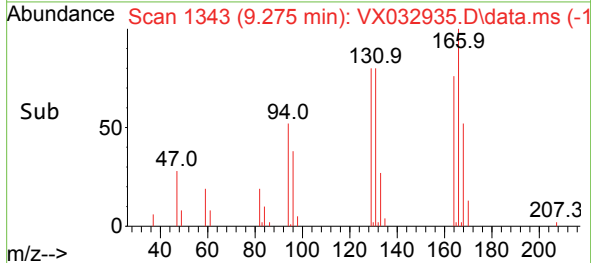
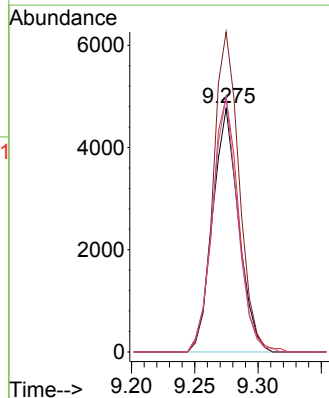
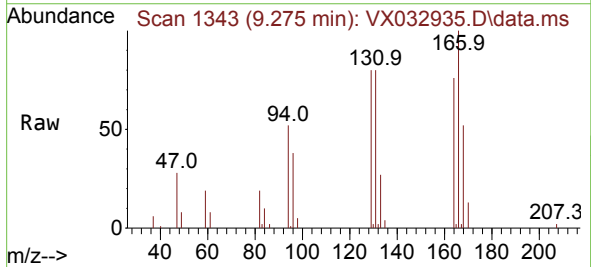
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20221116

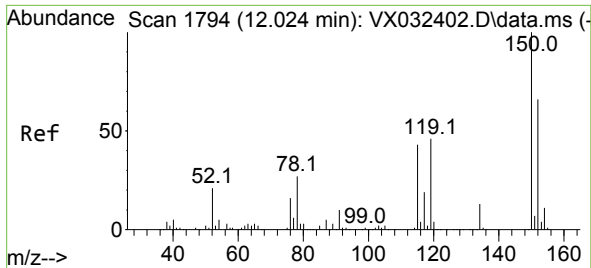
Tgt Ion:117 Resp: 170512
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.8 25.7 38.5



#64
Tetrachloroethene
Concen: 5.455 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX032935.D
Acq: 18 Nov 2022 19:10

Tgt Ion:164 Resp: 6808
Ion Ratio Lower Upper
164 100
166 131.4 105.4 158.2
129 104.7 78.2 117.2
131 104.8 72.5 108.7

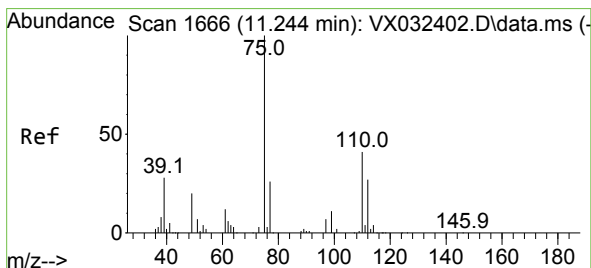
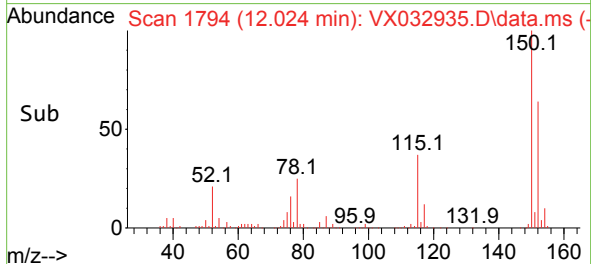
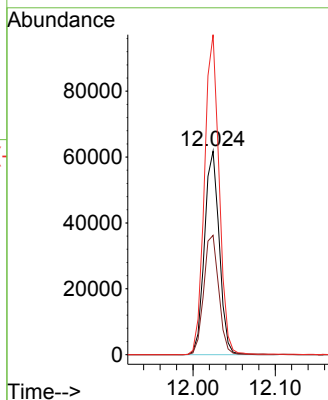
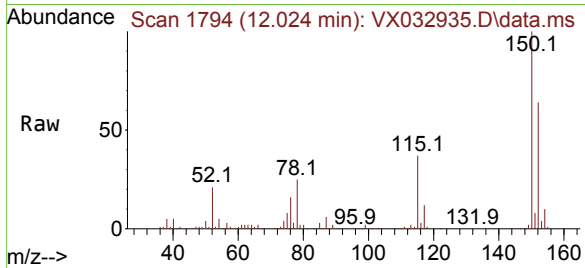




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032935.D
 Acq: 18 Nov 2022 19:10

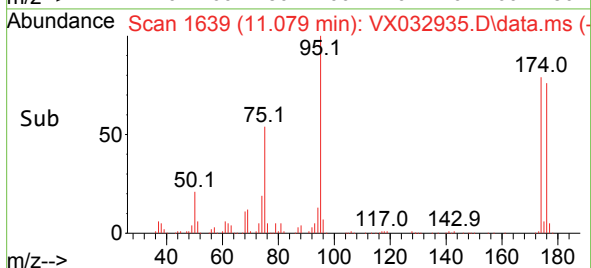
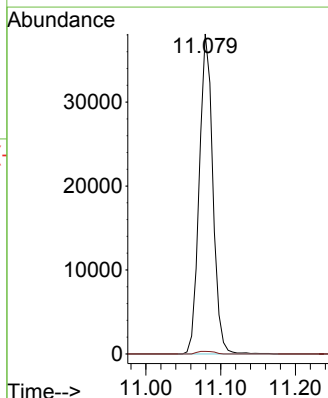
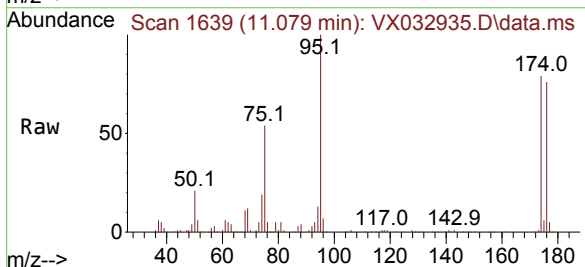
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20221116

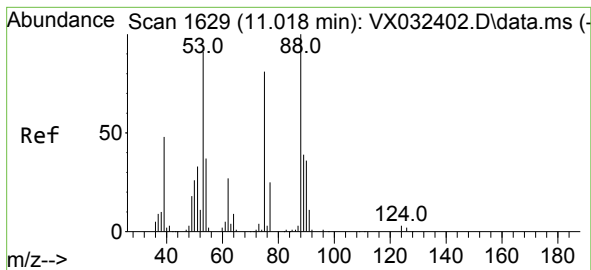
Tgt Ion:152 Resp: 77249
 Ion Ratio Lower Upper
 152 100
 115 59.6 44.0 132.0
 150 156.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 27.921 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX032935.D
 Acq: 18 Nov 2022 19:10

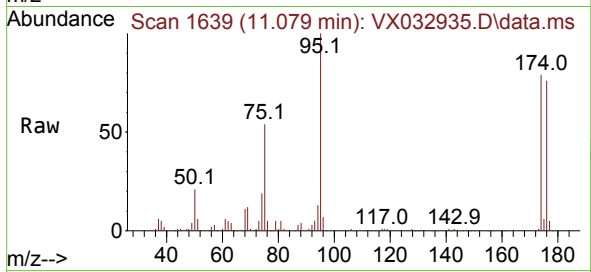
Tgt Ion: 75 Resp: 47985
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.845 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX032935.D
 Acq: 18 Nov 2022 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20221116



Tgt Ion: 75 Resp: 47985
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

