

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030849.D
 Acq On : 27 Aug 2022 05:52
 Operator : JC/MD
 Sample : N4281-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20220818

Quant Time: Aug 27 06:30:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

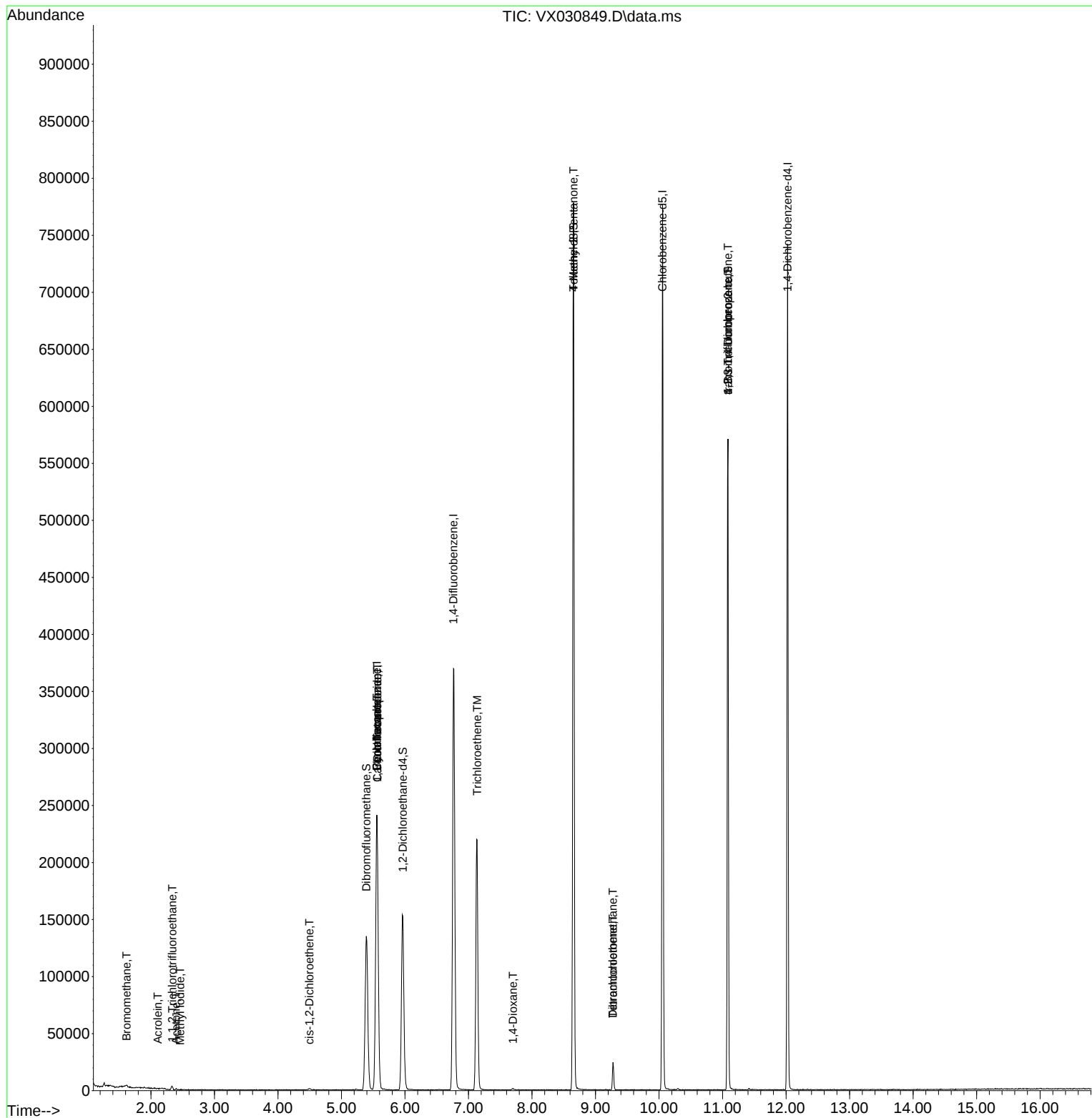
Internal Standards						
1) Pentafluorobenzene	5.556	168	226056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	381749	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	148562	55.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.740%			
35) Dibromofluoromethane	5.391	113	120179	51.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	8.653	98	457642	55.977	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.960%			
62) 4-Bromofluorobenzene	11.085	95	151947	49.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.840%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	358	Below Cal	#	65
5) Bromomethane	1.617	94	360	0.342	ug/l #	52
6) Chloroethane	1.660	64	127	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.337	101	1047	0.476	ug/l #	88
10) Methyl Iodide	2.459	142	148	4.104	ug/l #	84
13) Acrolein	2.105	56	48	10.143	ug/l #	65
16) Acetone	2.392	43	451	0.367	ug/l	98
17) Carbon Disulfide	2.514	76	226	Below Cal	#	74
20) Methylene Chloride	2.794	84	127	Below Cal	#	48
27) cis-1,2-Dichloroethene	4.495	96	720	0.265	ug/l	86
31) Cyclohexane	5.556	56	4488	1.320	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17988	5.630	ug/l #	48
38) Carbon Tetrachloride	5.562	117	24032	7.131	ug/l #	17
44) Trichloroethene	7.135	130	89038	32.243	ug/l	96
49) 1,4-Dioxane	7.702	88	1083	15.440	ug/l #	91
51) 4-Methyl-2-Pentanone	8.653	43	1999	0.520	ug/l #	1
60) Dibromochloromethane	9.275	129	4264	1.542	ug/l #	11
64) Tetrachloroethene	9.275	164	4416	1.623	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	78533	23.867	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	78533	77.006	ug/l #	12

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

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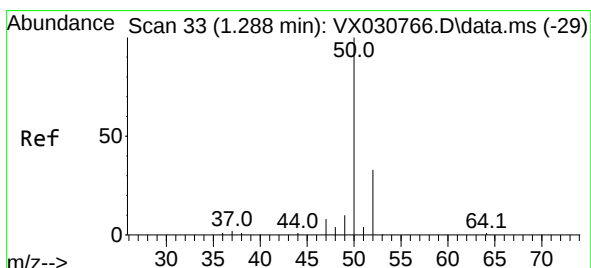
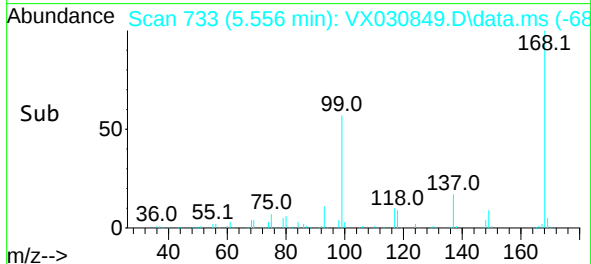
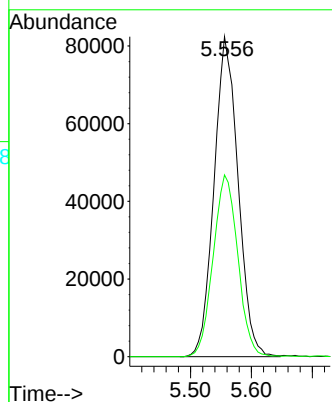
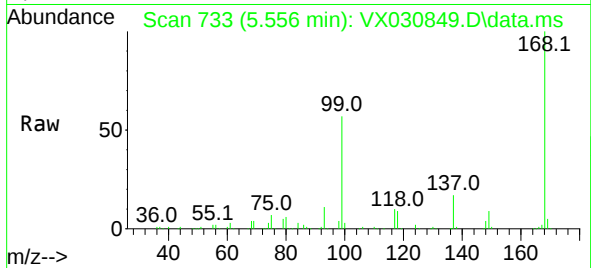




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

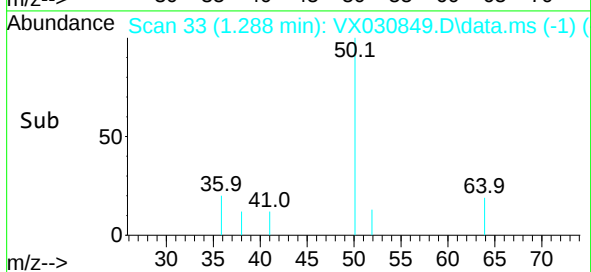
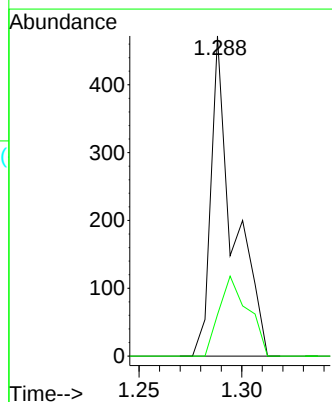
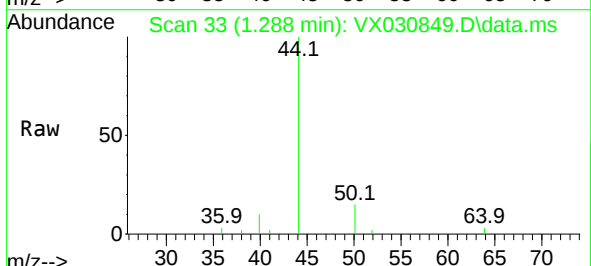
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

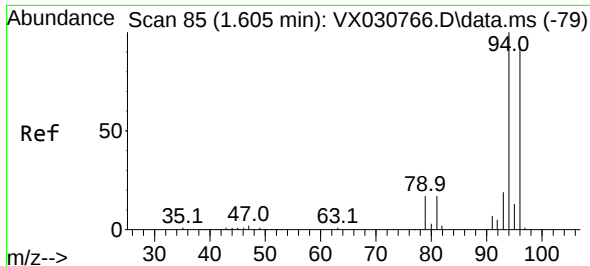
Tgt Ion:168 Resp: 226056
Ion Ratio Lower Upper
168 100
99 56.8 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion: 50 Resp: 358
Ion Ratio Lower Upper
50 100
52 12.9 26.3 39.5#

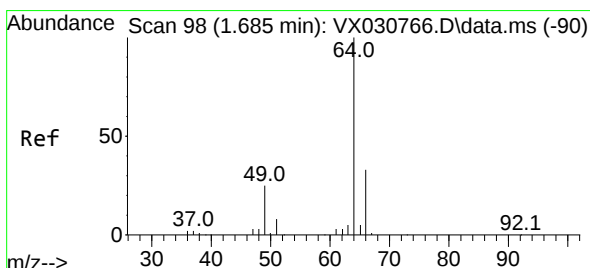
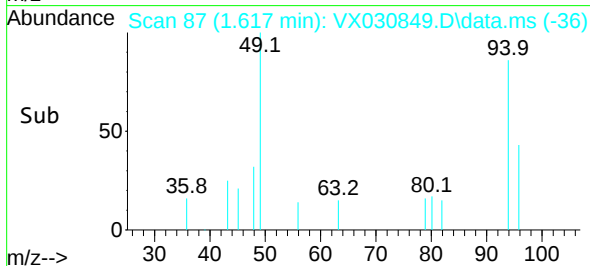
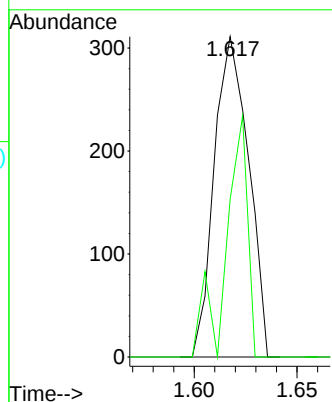
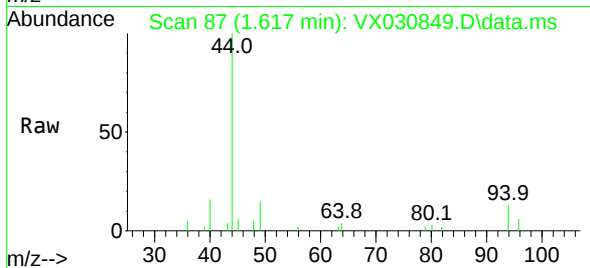




#5
Bromomethane
Concen: 0.342 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

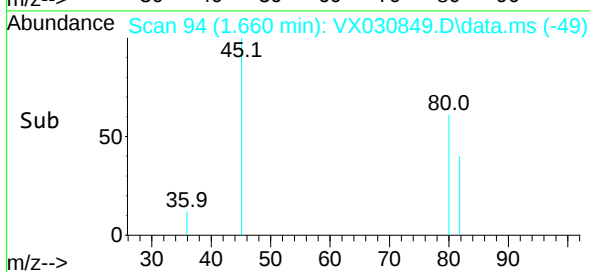
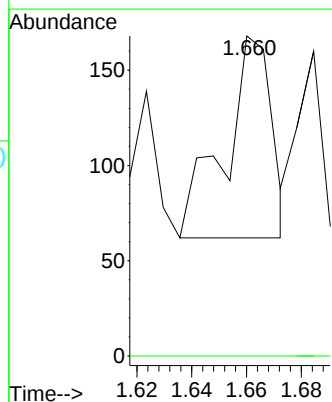
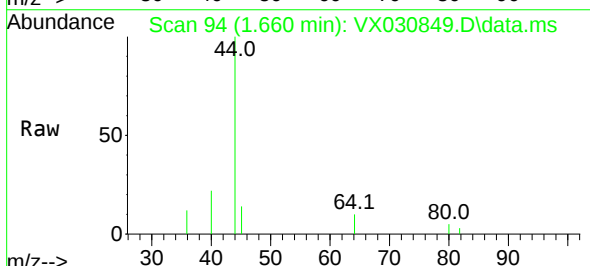
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

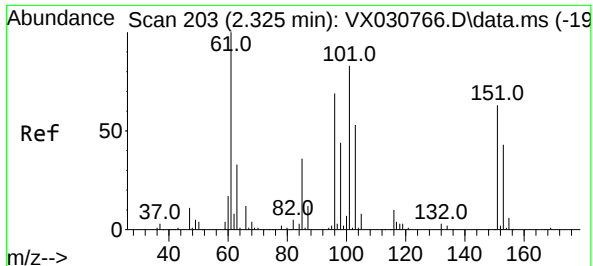
Tgt Ion: 94 Resp: 360
Ion Ratio Lower Upper
94 100
96 49.2 76.9 115.3#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.025 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

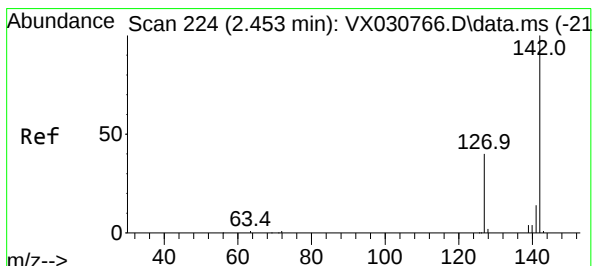
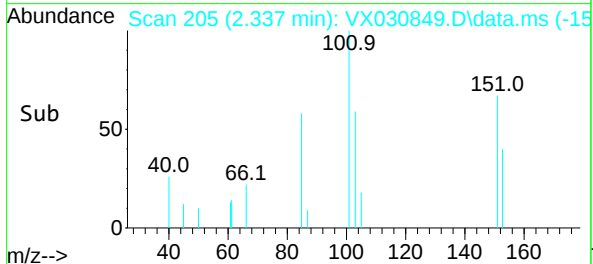
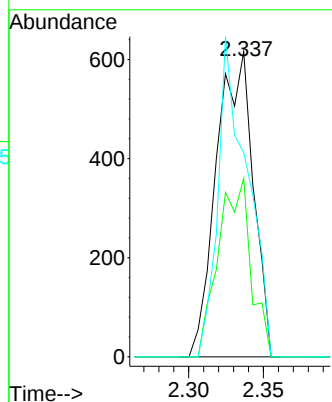
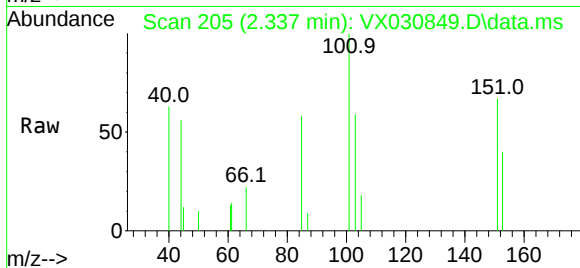




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.476 ug/l
RT: 2.337 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

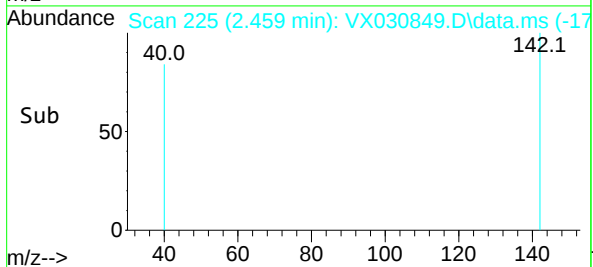
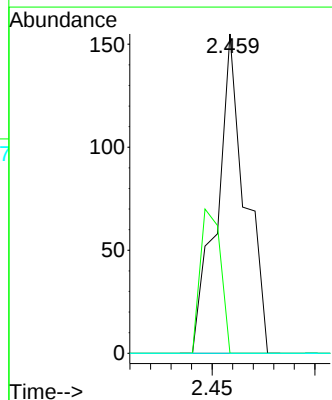
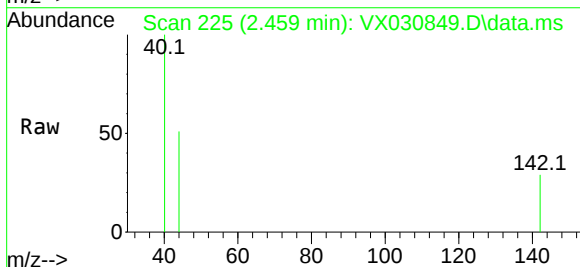
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

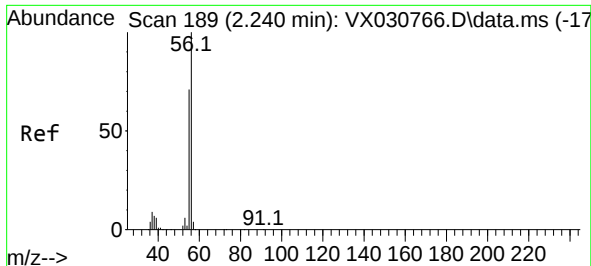
Tgt Ion:101 Resp: 1047
Ion Ratio Lower Upper
101 100
85 51.8 34.0 51.0#
151 83.5 59.4 89.0



#10
Methyl Iodide
Concen: 4.104 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 32.4 30.2 45.2
141 0.0 11.3 16.9#

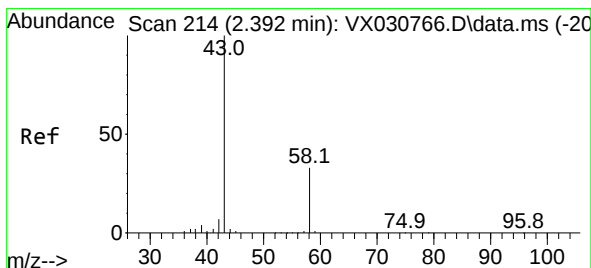
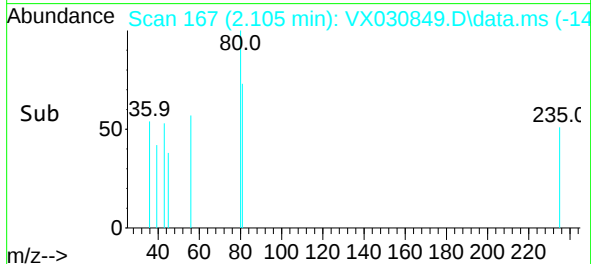
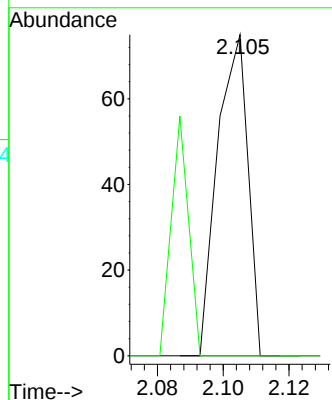
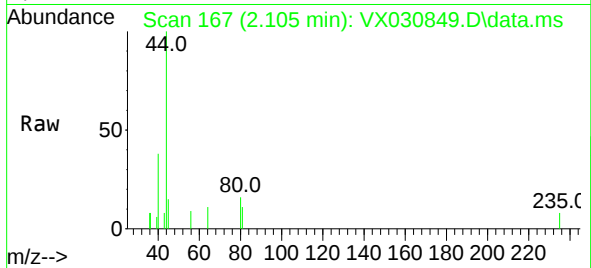




#13
Acrolein
Concen: 10.143 ug/l
RT: 2.105 min Scan# 11
Delta R.T. -0.135 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

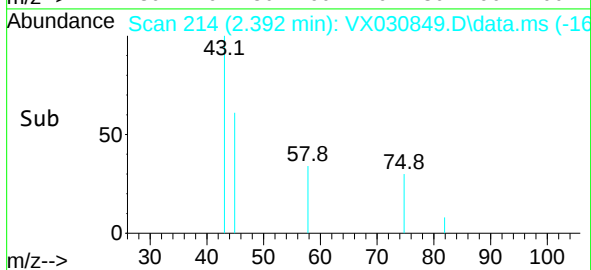
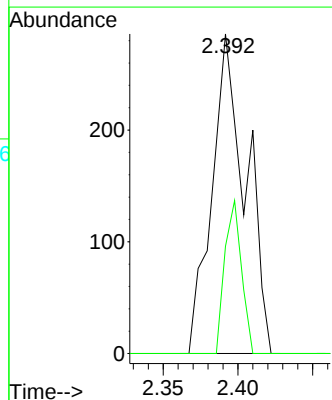
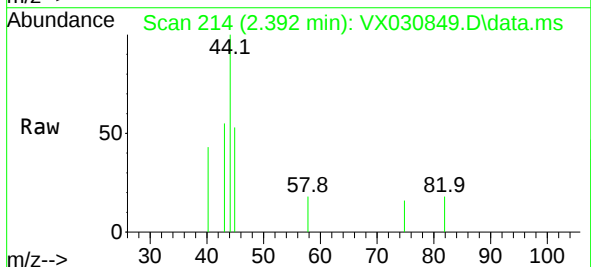
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

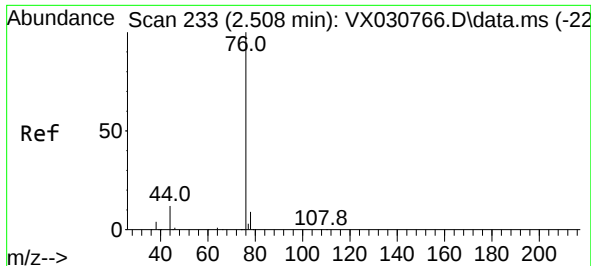
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 41.7 56.6 84.8#



#16
Acetone
Concen: 0.367 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 33.6 27.7 41.5





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030849.D

Acq: 27 Aug 2022 05:52

Instrument :

MSVOA_X

ClientSampleId :

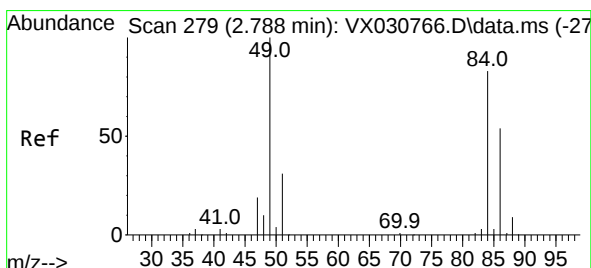
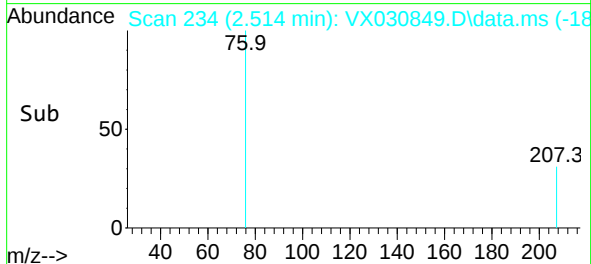
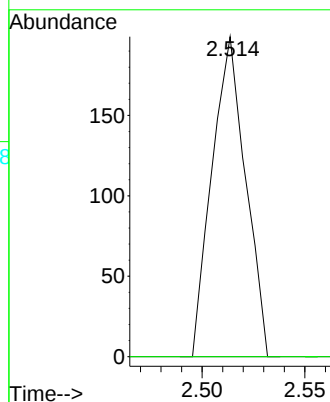
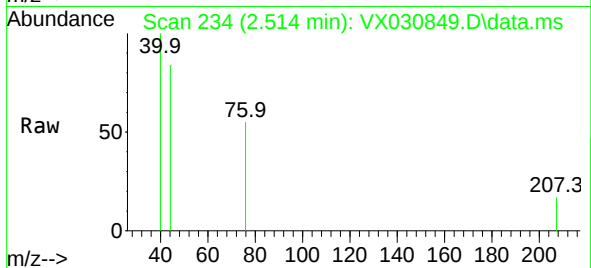
RE108D1-20220818

Tgt Ion: 76 Resp: 226

Ion Ratio Lower Upper

76 100

78 0.0 7.8 11.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX030849.D

Acq: 27 Aug 2022 05:52

Tgt Ion: 84 Resp: 127

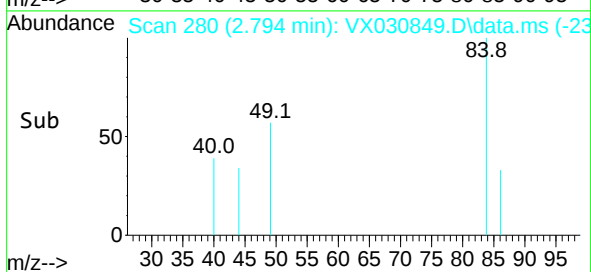
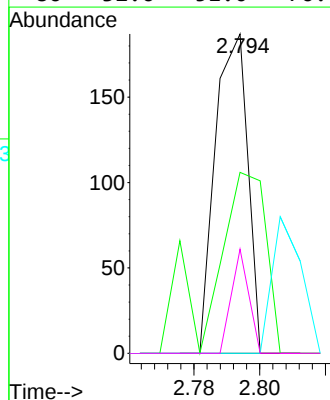
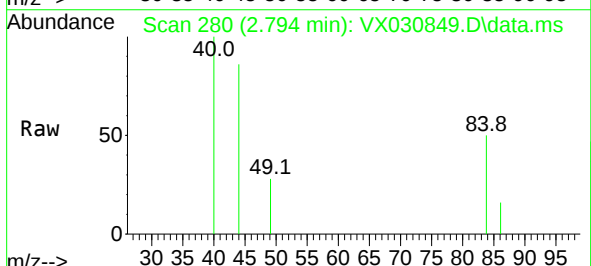
Ion Ratio Lower Upper

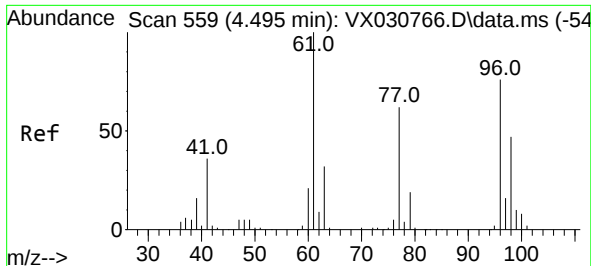
84 100

49 56.7 93.8 140.6#

51 0.0 29.4 44.0#

86 32.6 51.0 76.4#





#27

cis-1,2-Dichloroethene

Concen: 0.265 ug/l

RT: 4.495 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX030849.D

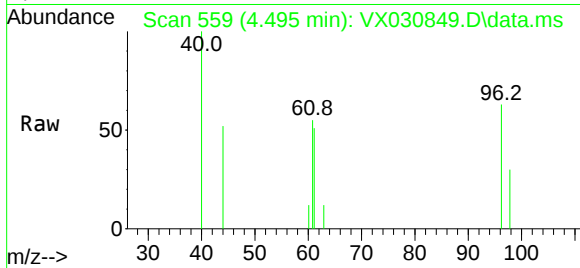
Acq: 27 Aug 2022 05:52

Instrument :

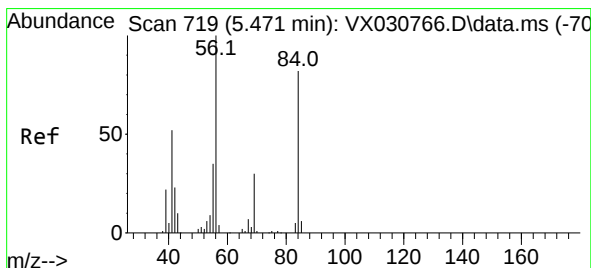
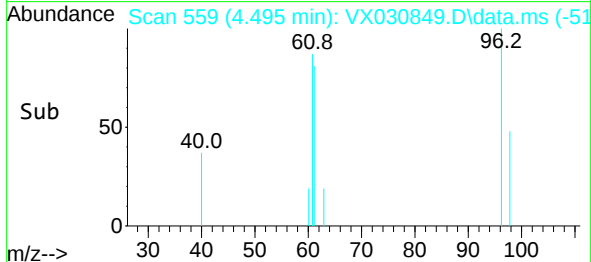
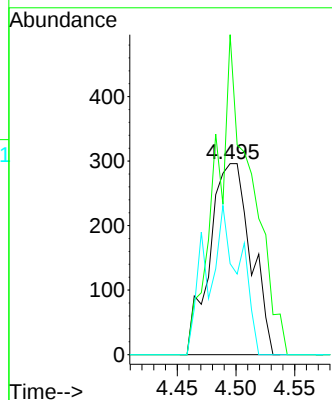
MSVOA_X

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Tgt Ion: 96	Resp: 720
Ion Ratio	Lower Upper
96 100	
61 145.8	0.0 270.0
98 44.3	0.0 127.8



#31

Cyclohexane

Concen: 1.320 ug/l

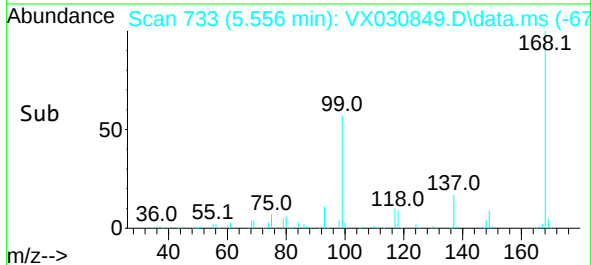
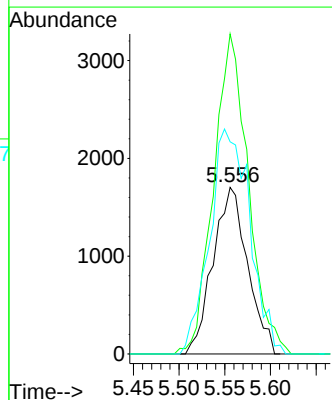
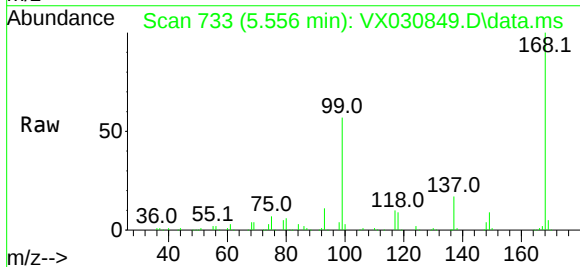
RT: 5.556 min Scan# 733

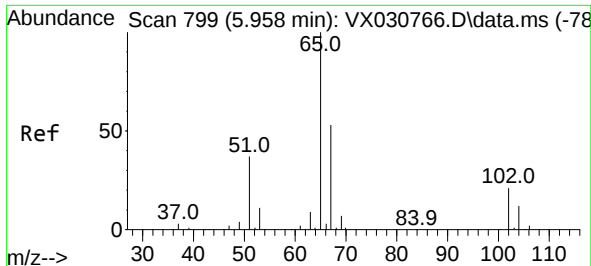
Delta R.T. 0.085 min

Lab File: VX030849.D

Acq: 27 Aug 2022 05:52

Tgt Ion: 56	Resp: 4488
Ion Ratio	Lower Upper
56 100	
69 188.7	25.4 38.0#
84 127.3	68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 55.871 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030849.D

Acq: 27 Aug 2022 05:52

Instrument :

MSVOA_X

ClientSampleId :

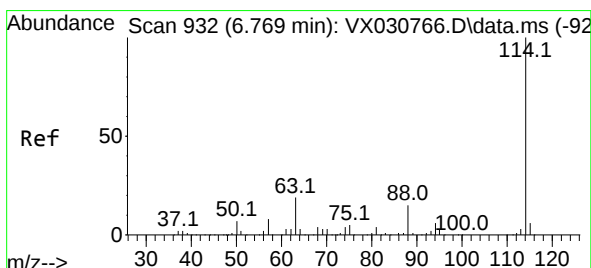
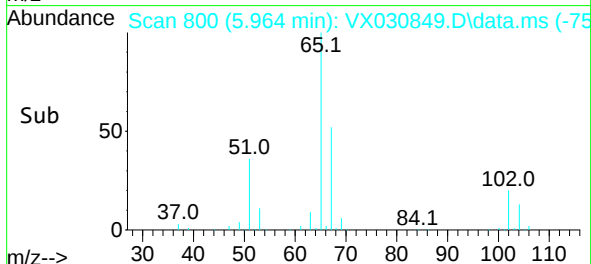
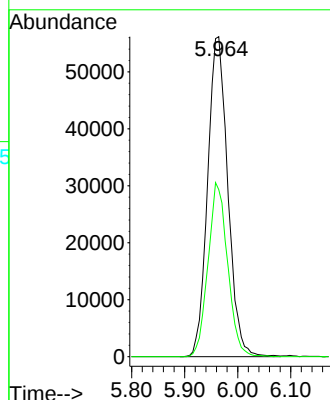
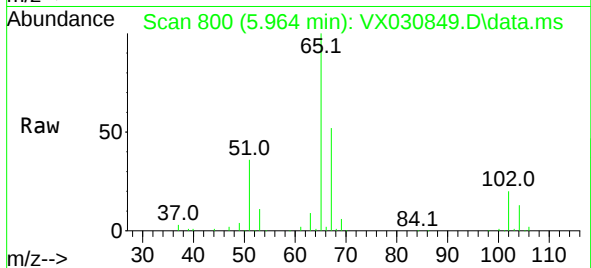
RE108D1-20220818

Tgt Ion: 65 Resp: 148562

Ion Ratio Lower Upper

65 100

67 52.8 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: VX030849.D

Acq: 27 Aug 2022 05:52

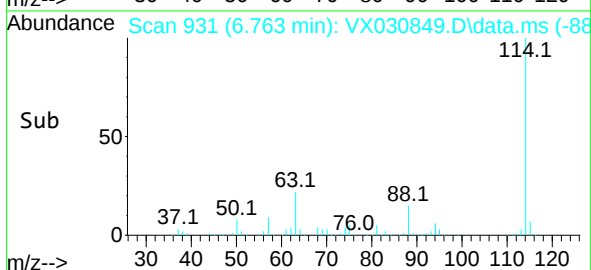
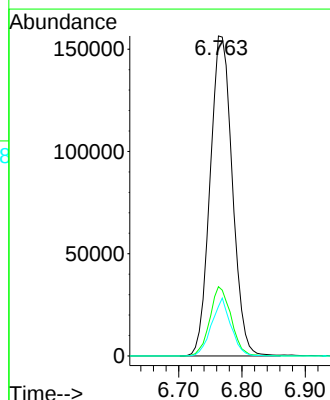
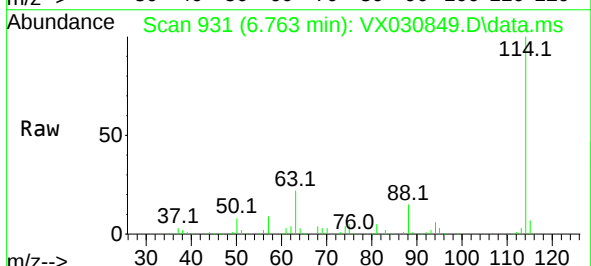
Tgt Ion: 114 Resp: 381749

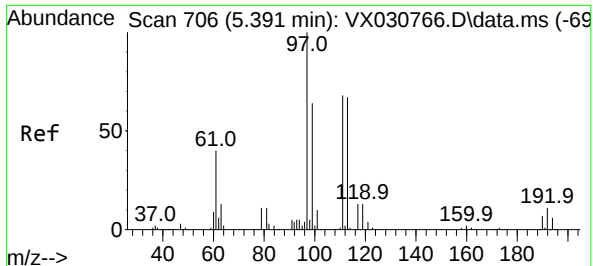
Ion Ratio Lower Upper

114 100

63 21.6 0.0 38.4

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.224 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030849.D

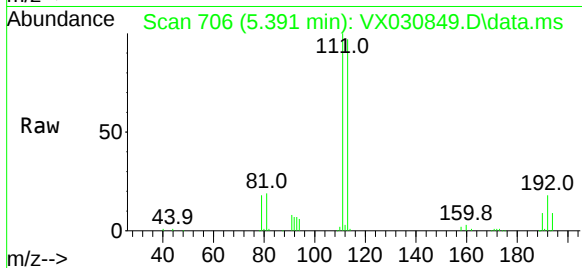
Acq: 27 Aug 2022 05:52

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20220818



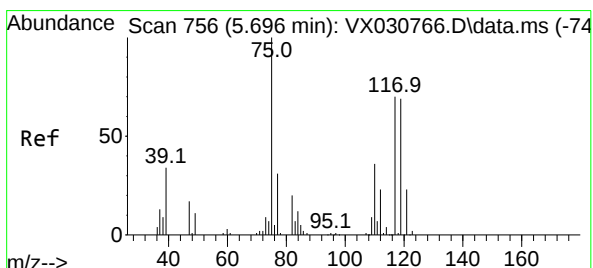
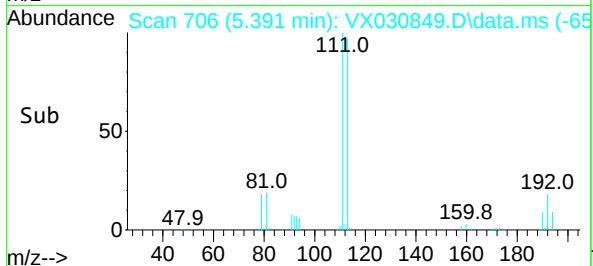
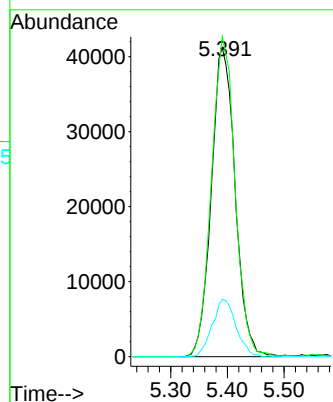
Tgt Ion:113 Resp: 120179

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.630 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030849.D

Acq: 27 Aug 2022 05:52

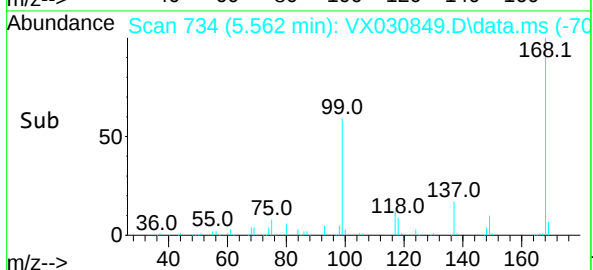
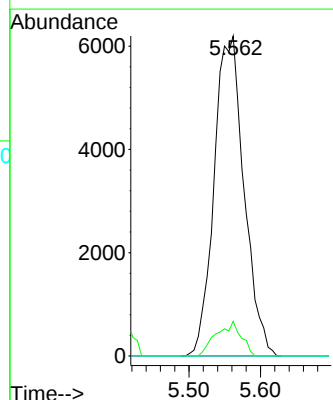
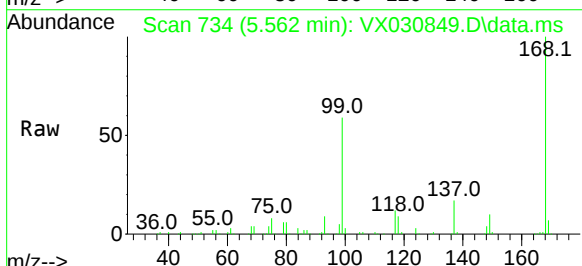
Tgt Ion: 75 Resp: 17988

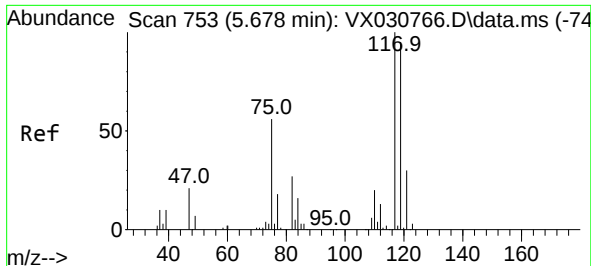
Ion Ratio Lower Upper

75 100

110 9.0 19.3 57.9#

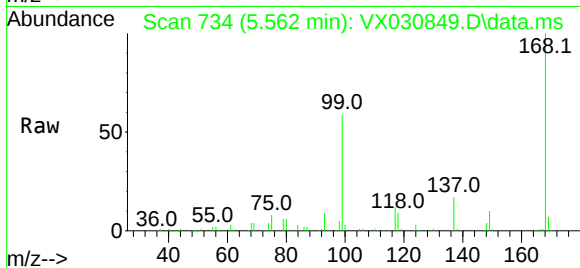
77 0.0 24.4 36.6#



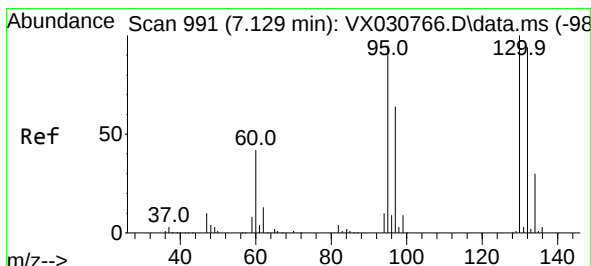
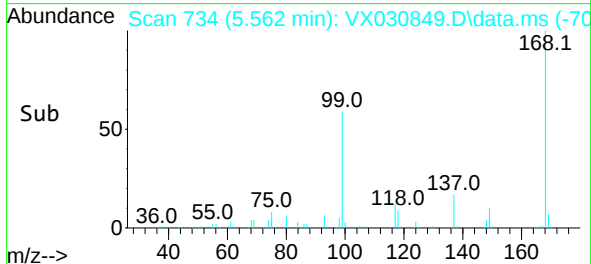
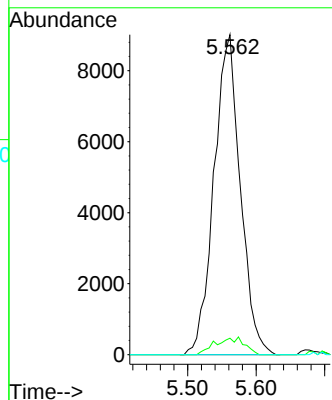


#38
Carbon Tetrachloride
Concen: 7.131 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

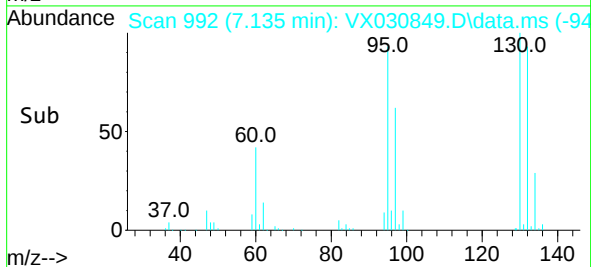
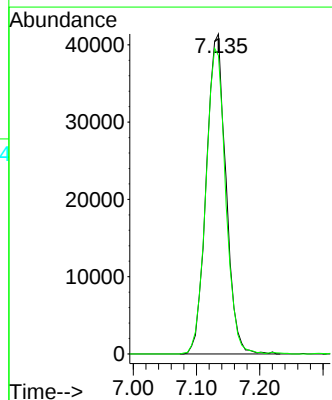
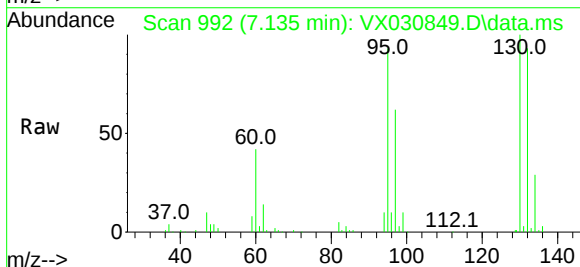


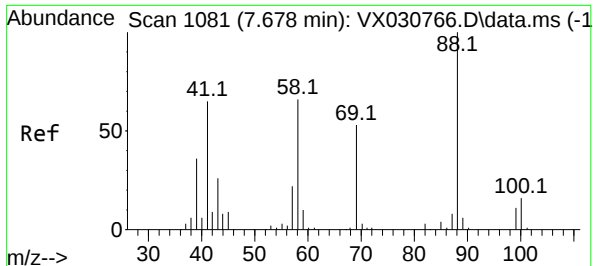
Tgt Ion:117 Resp: 24032
Ion Ratio Lower Upper
117 100
119 5.2 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 32.243 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion:130 Resp: 89038
Ion Ratio Lower Upper
130 100
95 93.3 0.0 194.8





#49

1,4-Dioxane

Concen: 15.440 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.024 min

Lab File: VX030849.D

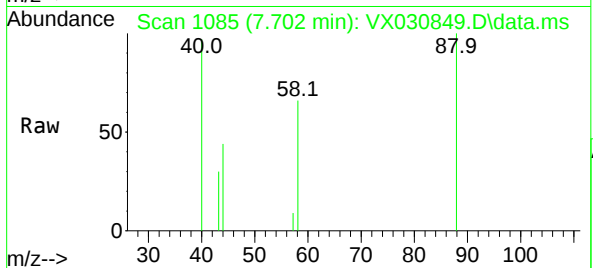
Acq: 27 Aug 2022 05:52

Instrument :

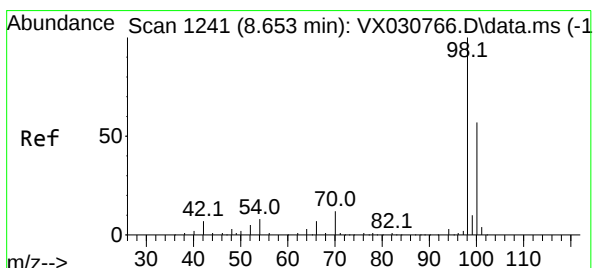
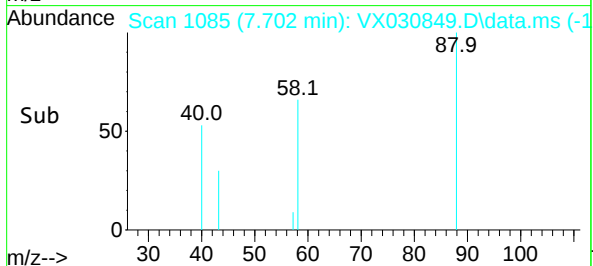
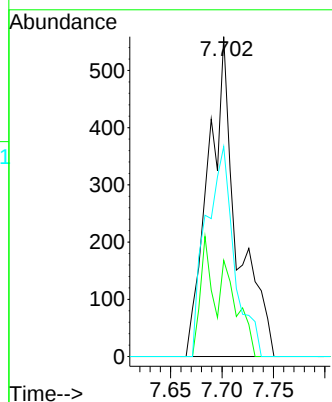
MSVOA_X

ClientSampleId :

RE108D1-20220818



Tgt Ion:	88	Resp:	1083
Ion	Ratio	Lower	Upper
88	100		
43	17.3	23.8	35.8#
58	64.6	53.8	80.6



#50

Toluene-d8

Concen: 55.977 ug/l

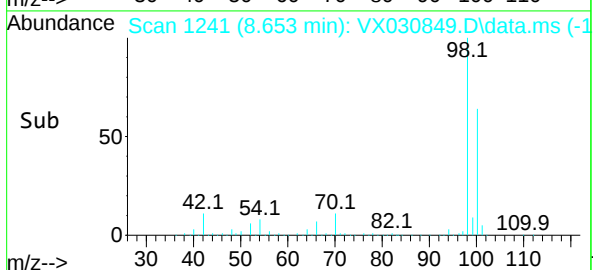
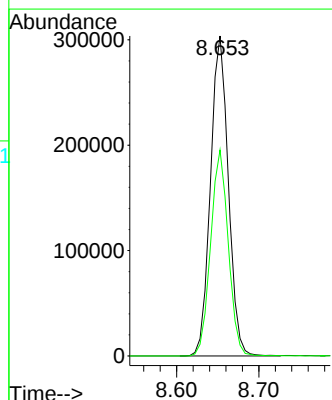
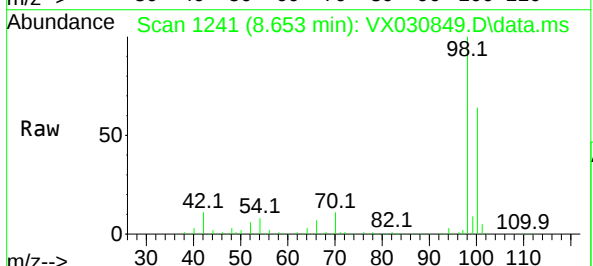
RT: 8.653 min Scan# 1241

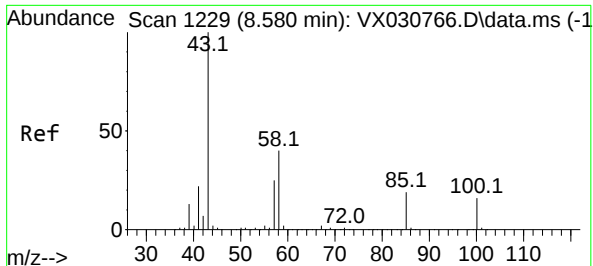
Delta R.T. -0.000 min

Lab File: VX030849.D

Acq: 27 Aug 2022 05:52

Tgt Ion:	98	Resp:	457642
Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.3	78.5

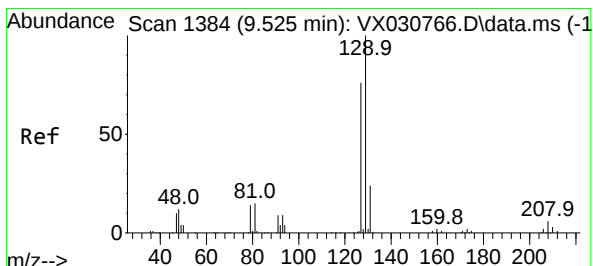
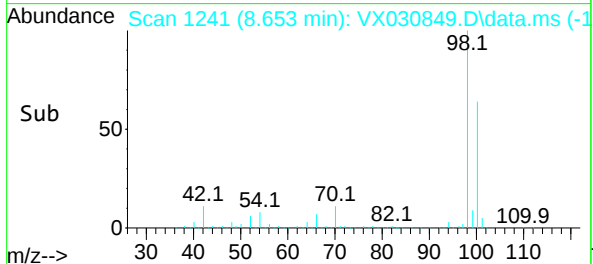
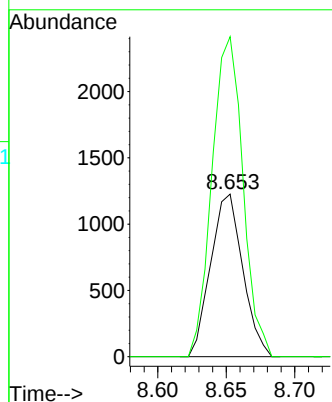
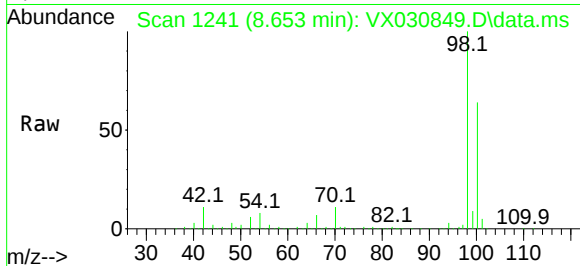




#51
4-Methyl-2-Pentanone
Concen: 0.520 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

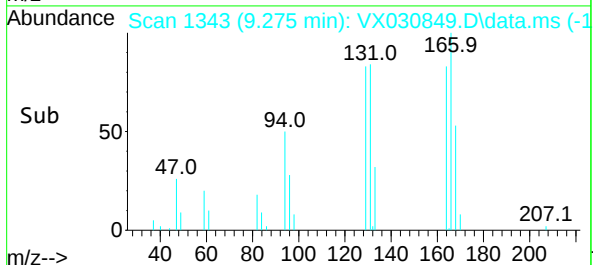
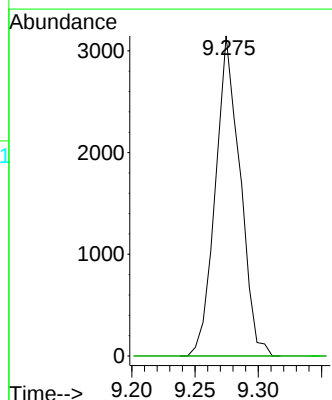
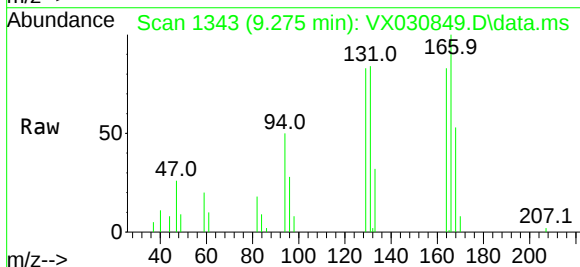
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

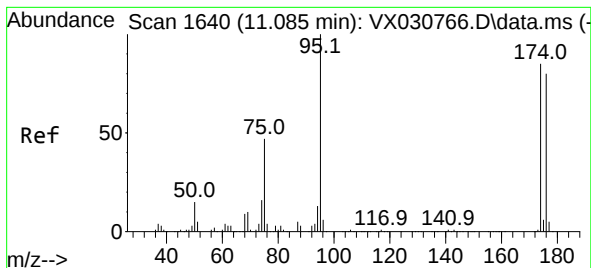
Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
58 189.5 31.4 47.2#



#60
Dibromochloromethane
Concen: 1.542 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion: 129 Resp: 4264
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

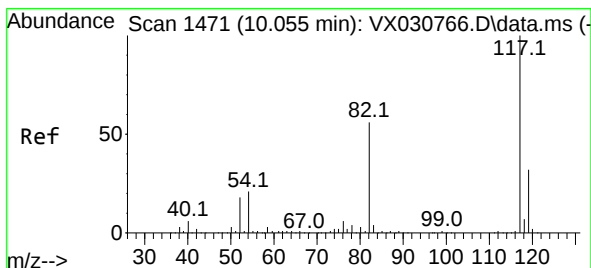
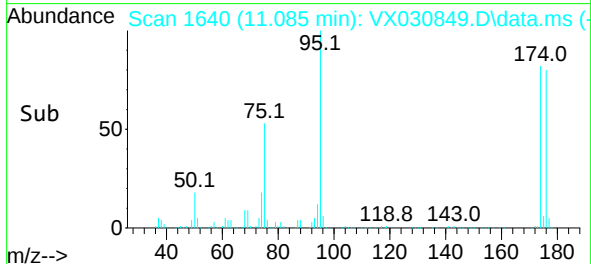
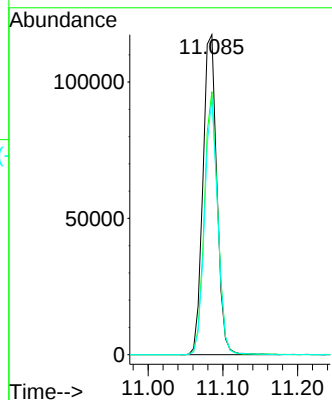
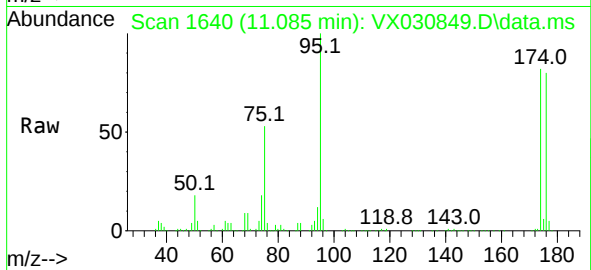




#62
4-Bromofluorobenzene
Concen: 49.921 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

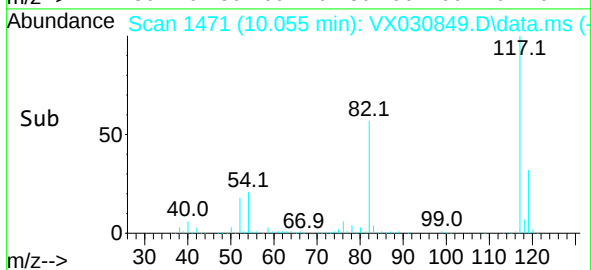
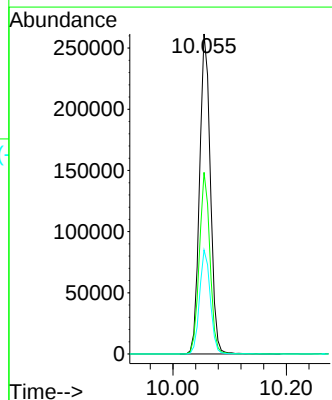
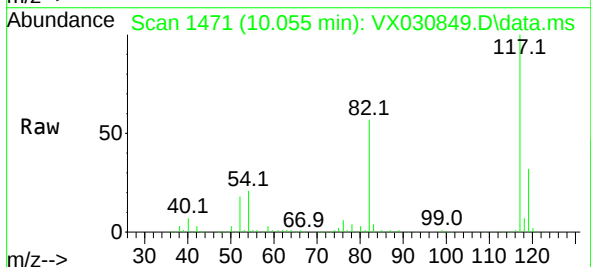
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

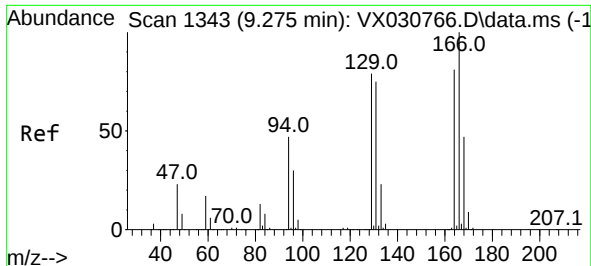
Tgt Ion: 95 Resp: 151947
Ion Ratio Lower Upper
95 100
174 79.2 0.0 149.0
176 75.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion: 117 Resp: 345450
Ion Ratio Lower Upper
117 100
82 56.8 42.7 64.1
119 32.5 25.4 38.2

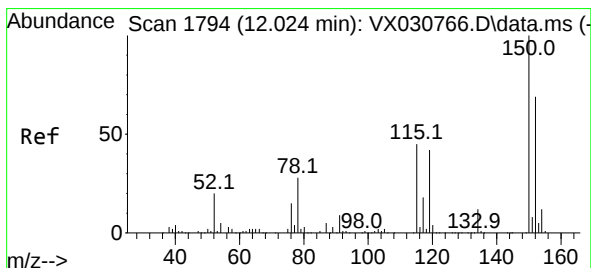
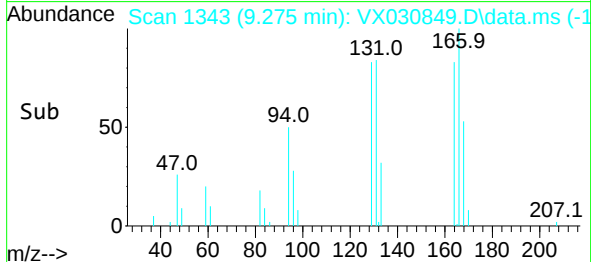
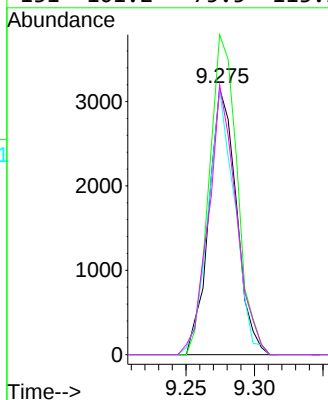
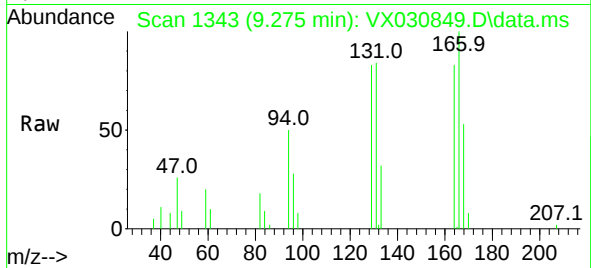




#64
Tetrachloroethene
Concen: 1.623 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

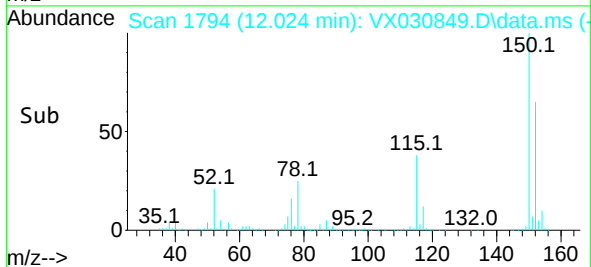
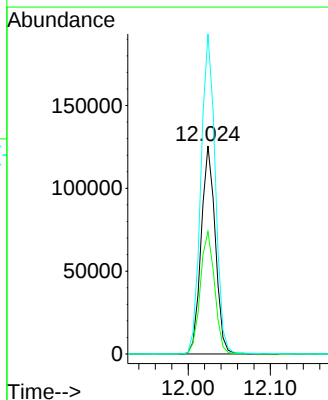
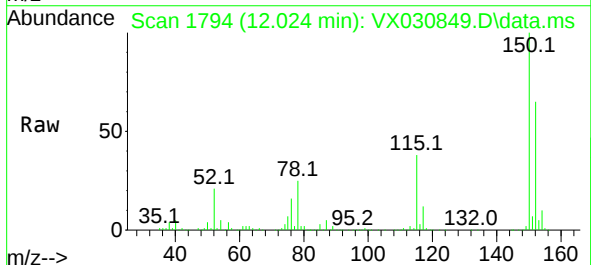
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

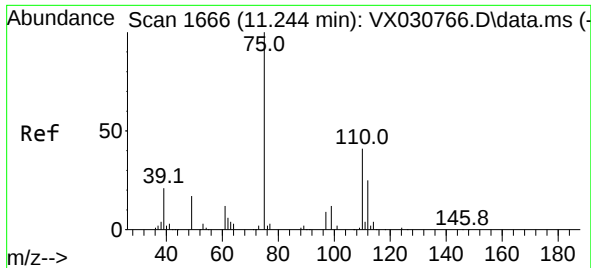
Tgt	Ion:164	Resp:	4416
Ion	Ratio	Lower	Upper
164	100		
166	120.1	98.2	147.4
129	99.6	80.8	121.2
131	101.2	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion:152	Resp:	150187	
Ion	Ratio	Lower	Upper
152	100		
115	59.4	40.5	121.5
150	156.0	0.0	347.0

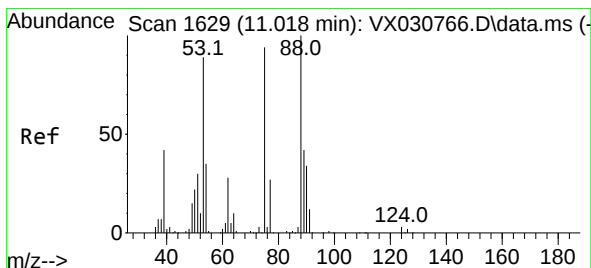
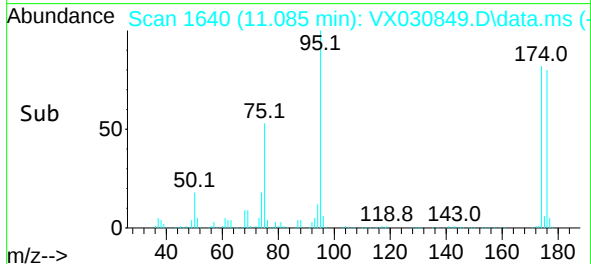
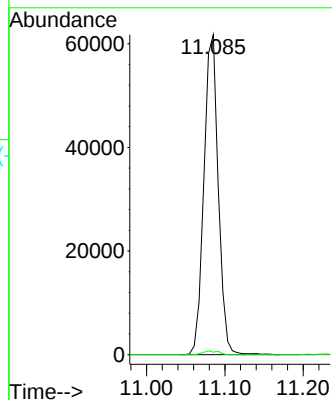
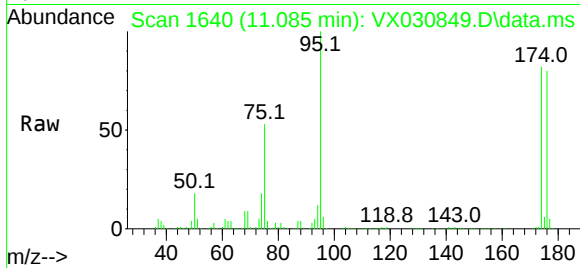




#76
1,2,3-Trichloropropane
Concen: 23.867 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220818

Tgt Ion: 75 Resp: 78533
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.006 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030849.D
Acq: 27 Aug 2022 05:52

Tgt Ion: 75 Resp: 78533
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

