

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022907.D
 Acq On : 25 Jun 2021 07:29
 Operator : JC/MD
 Sample : M2838-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20210621

Quant Time: Jun 25 08:10:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

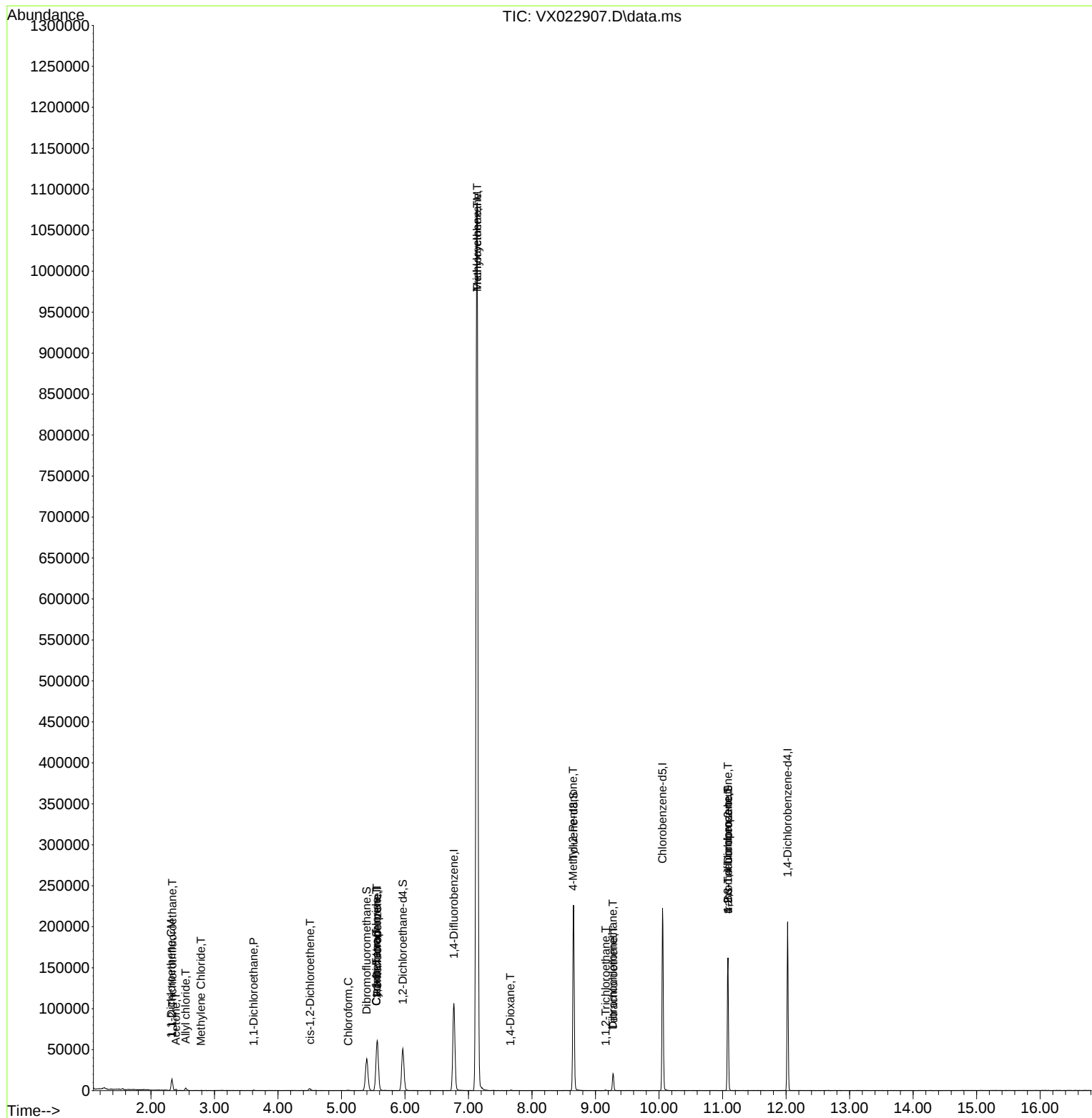
Internal Standards						
1) Pentafluorobenzene	5.562	168	49980	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	102345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	92548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35657	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	46265	51.01	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.02%			
35) Dibromofluoromethane	5.397	113	32332	49.75	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.50%			
50) Toluene-d8	8.653	98	126604	49.70	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.40%			
62) 4-Bromofluorobenzene	11.085	95	43255	45.50	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.00%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3890	5.99	ug/l	95
12) 1,1-Dichloroethene	2.319	96	1781	2.75	ug/l	87
14) Allyl chloride	2.544	41	264	0.21	ug/l #	1
16) Acetone	2.392	43	1168	2.90	ug/l #	85
20) Methylene Chloride	2.788	84	52	0.44	ug/l #	40
24) 1,1-Dichloroethane	3.617	63	524	0.38	ug/l #	81
27) cis-1,2-Dichloroethene	4.507	96	1358	1.70	ug/l	97
30) Chloroform	5.105	83	454	0.33	ug/l	90
31) Cyclohexane	5.550	56	1475	1.15	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	4825	4.44	ug/l #	48
38) Carbon Tetrachloride	5.550	117	5724	6.28	ug/l #	16
39) Methylcyclohexane	7.135	83	5500	4.34	ug/l #	1
44) Trichloroethene	7.135	130	379205	510.12	ug/l	94
49) 1,4-Dioxane	7.659	88	487	24.15	ug/l #	91
51) 4-Methyl-2-Pentanone	8.647	43	723	0.57	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	223	0.29	ug/l #	56
60) Dibromochloromethane	9.275	129	3496	8.00	ug/l #	11
64) Tetrachloroethene	9.281	164	3229	4.96	ug/l	94
76) 1,2,3-Trichloropropane	11.085	75	23998	25.48	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	23998	66.37	ug/l #	12

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

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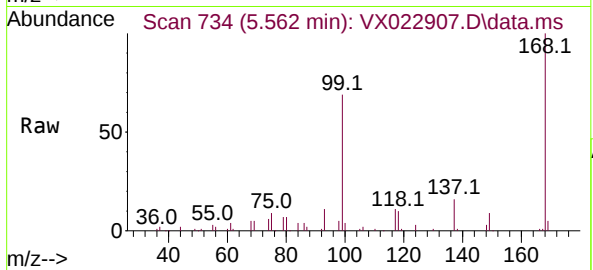
Quant Time: Jun 25 08:10:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
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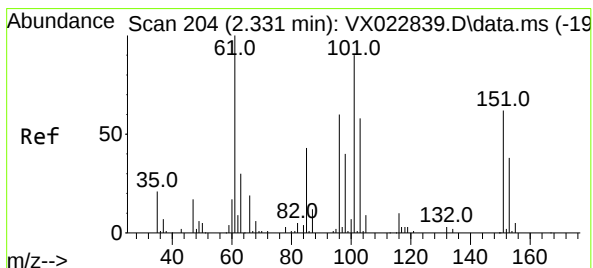
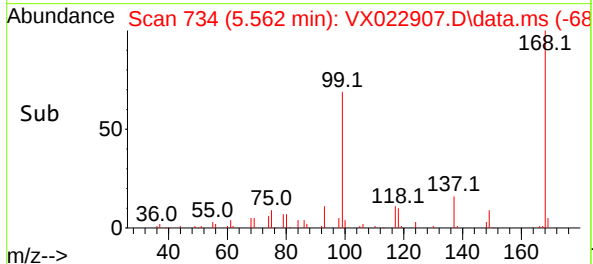
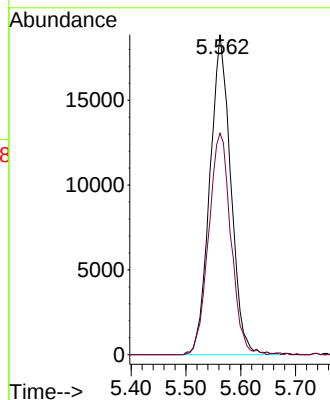


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

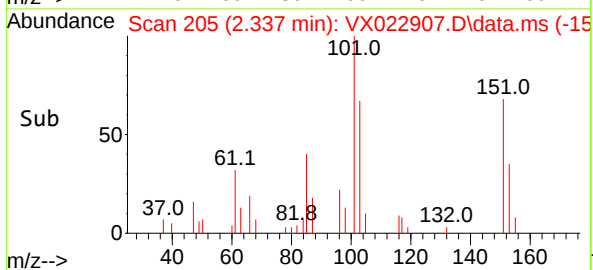
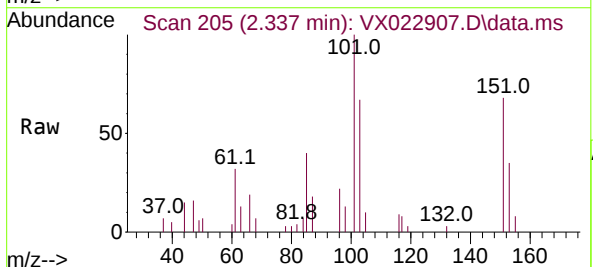
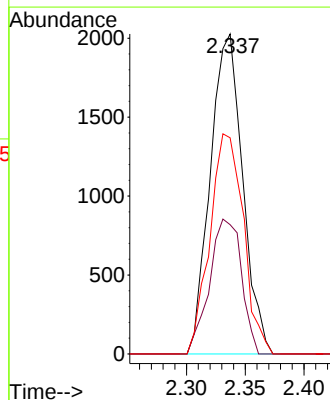


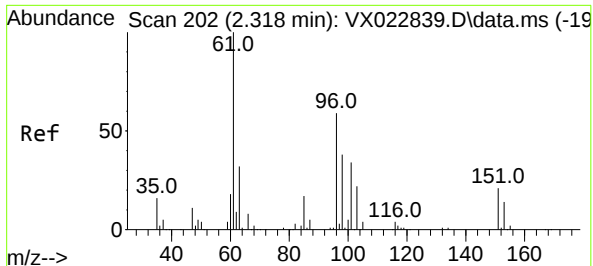
Tgt Ion:168 Resp: 49980
Ion Ratio Lower Upper
168 100
99 69.2 45.8 68.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.99 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Tgt Ion:101 Resp: 3890
Ion Ratio Lower Upper
101 100
85 41.5 34.9 52.3
151 71.2 61.4 92.2





#12

1,1-Dichloroethene

Concen: 2.75 ug/l

RT: 2.319 min Scan# 202

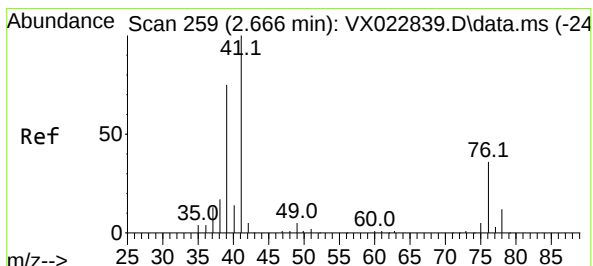
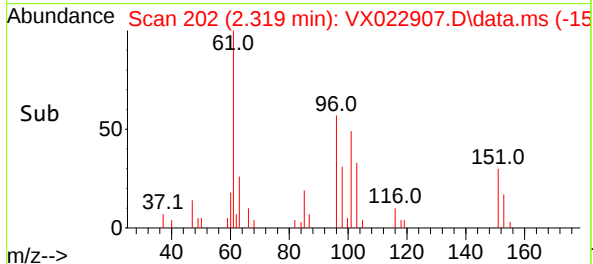
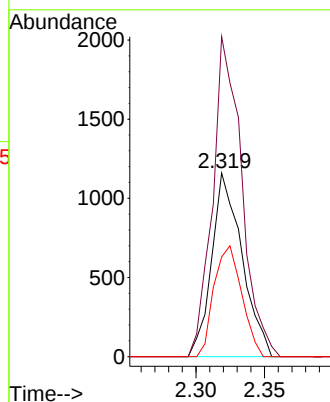
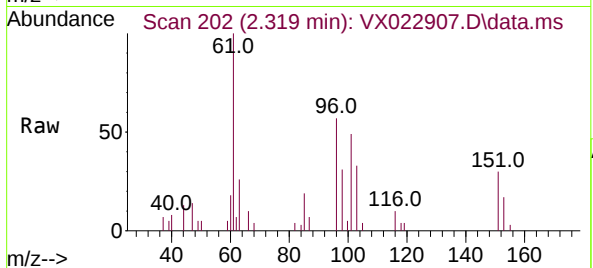
Delta R.T. 0.001 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

Tgt Ion:	96	Resp:	1781
Ion	Ratio	Lower	Upper
96	100		
61	174.2	124.6	187.0
98	54.2	50.6	76.0

Instrument :
MSVOA_X
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RE103D1-20210621



#14

Allyl chloride

Concen: 0.21 ug/l

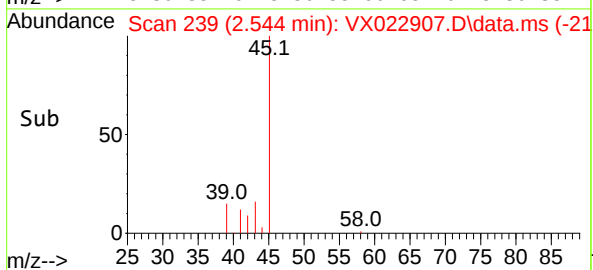
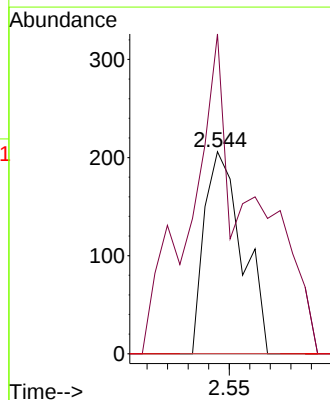
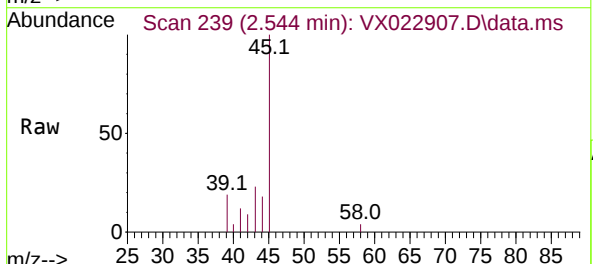
RT: 2.544 min Scan# 239

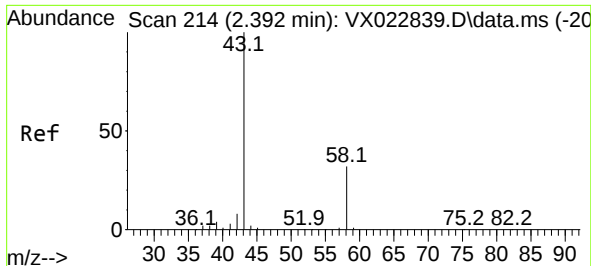
Delta R.T. -0.122 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

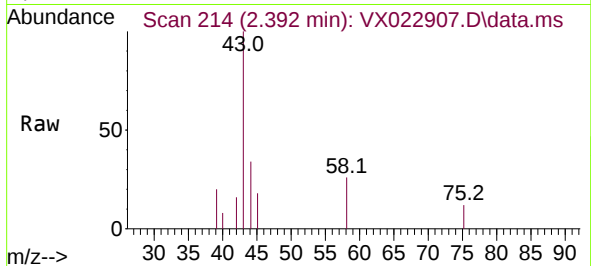
Tgt Ion:	41	Resp:	264
Ion	Ratio	Lower	Upper
41	100		
39	173.5	51.6	77.4#
76	0.0	30.5	45.7#



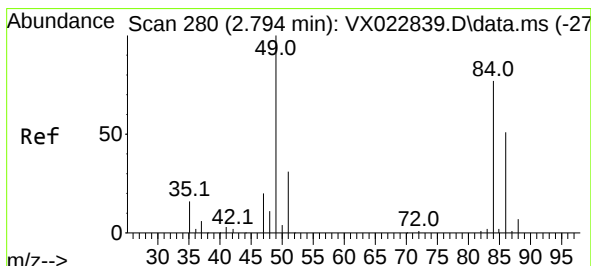
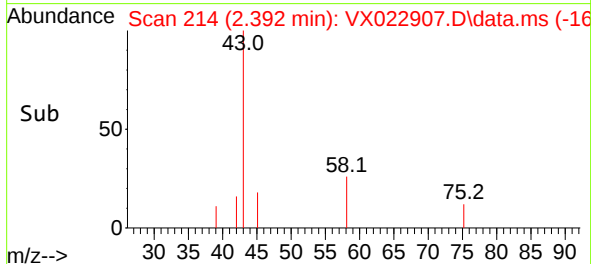
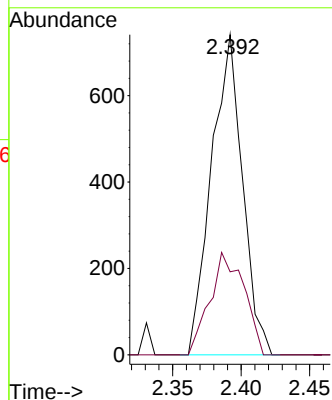


#16
Acetone
Concen: 2.90 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

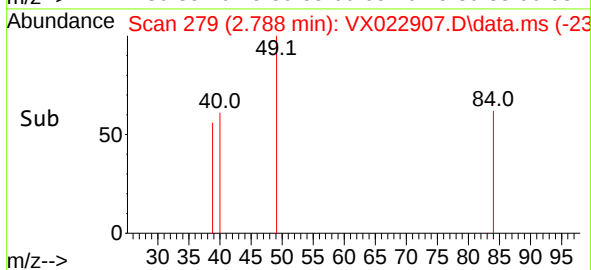
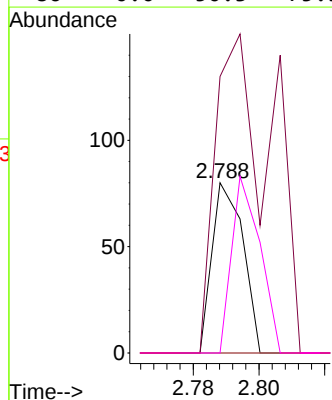
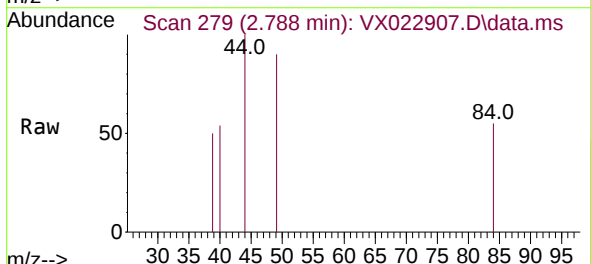


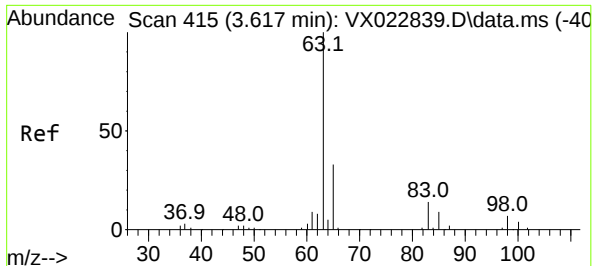
Tgt Ion: 43 Resp: 1168
Ion Ratio Lower Upper
43 100
58 25.9 27.8 41.8#



#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Tgt Ion: 84 Resp: 52
Ion Ratio Lower Upper
84 100
49 162.5 88.6 132.8#
51 0.0 27.0 40.6#
86 0.0 50.3 75.5#





#24

1,1-Dichloroethane

Concen: 0.38 ug/l

RT: 3.617 min Scan# 415

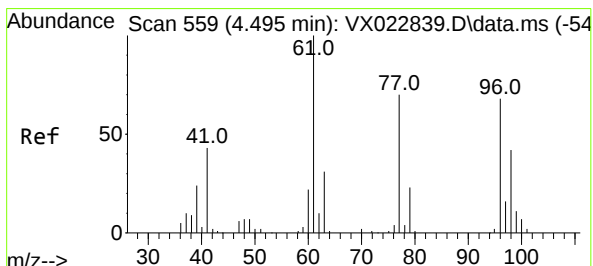
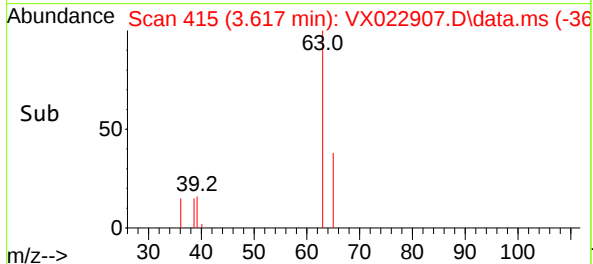
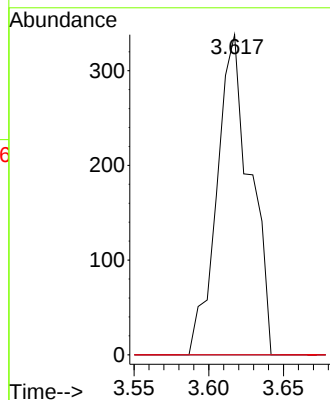
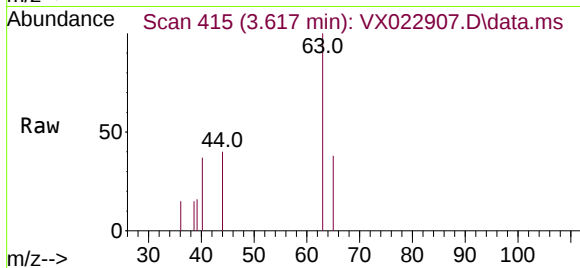
Delta R.T. 0.000 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

Tgt Ion: 63	Resp:	524
Ion Ratio	Lower	Upper
63	100	
98	0.0	3.8 11.2#
100	0.0	2.5 7.5#

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621



#27

cis-1,2-Dichloroethene

Concen: 1.70 ug/l

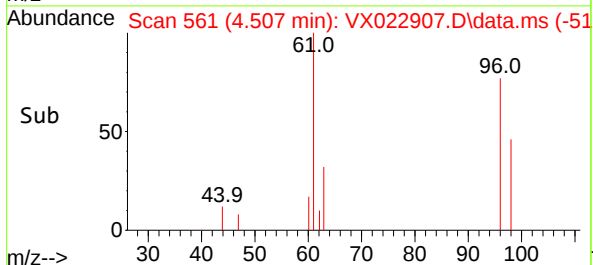
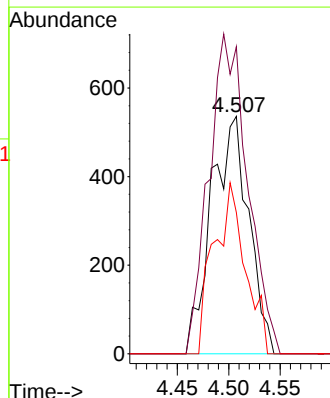
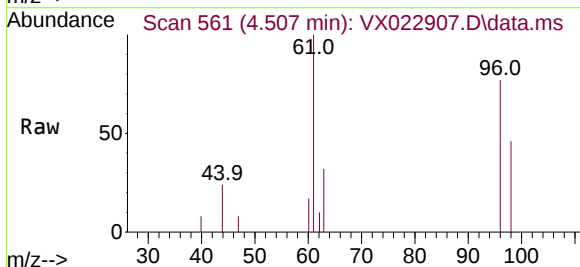
RT: 4.507 min Scan# 561

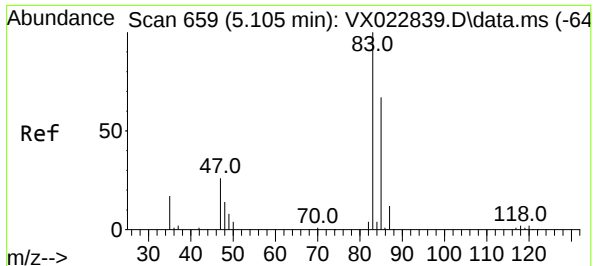
Delta R.T. 0.012 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

Tgt Ion: 96	Resp:	1358
Ion Ratio	Lower	Upper
96	100	
61	139.7	0.0 285.6
98	60.6	0.0 129.6





#30

Chloroform

Concen: 0.33 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX022907.D

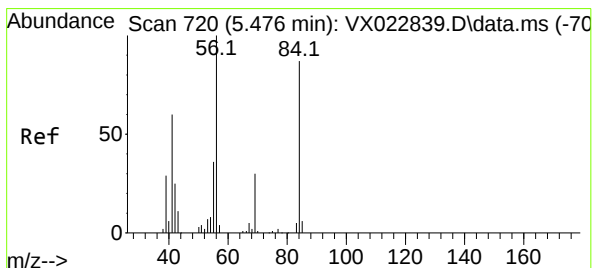
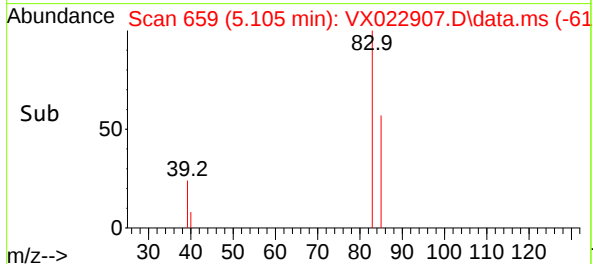
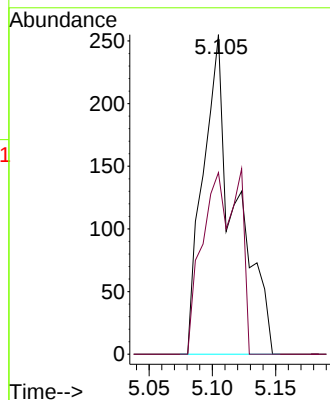
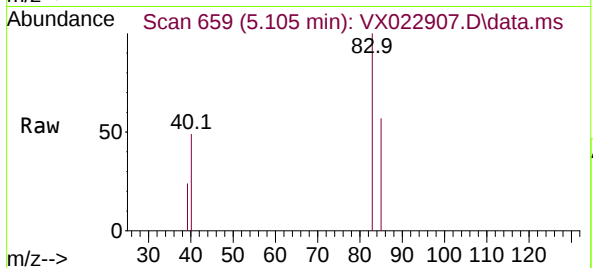
Acq: 25 Jun 2021 07:29

Tgt Ion: 83 Resp: 454

Ion Ratio Lower Upper

83 100

85 56.9 52.0 78.0



#31

Cyclohexane

Concen: 1.15 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.074 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

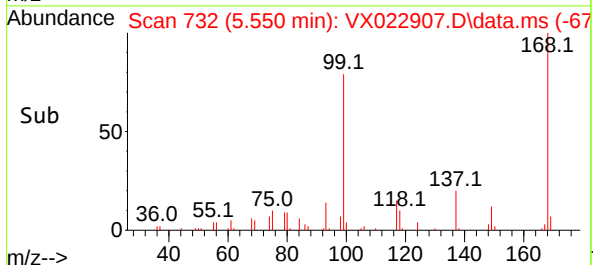
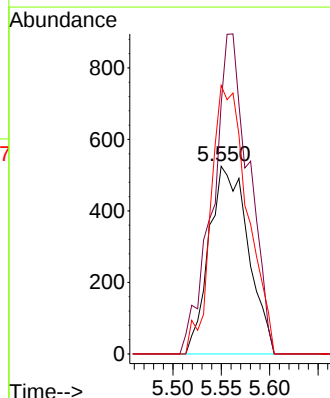
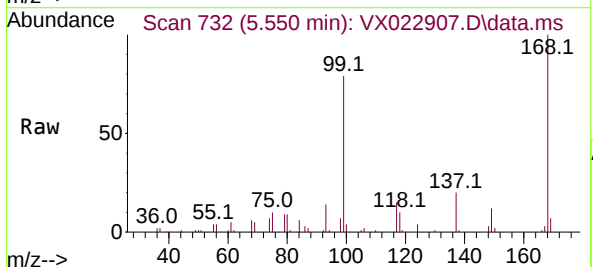
Tgt Ion: 56 Resp: 1475

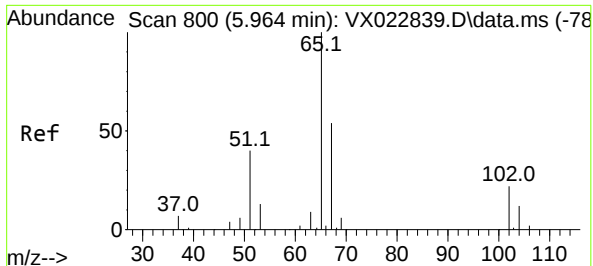
Ion Ratio Lower Upper

56 100

69 133.1 25.3 37.9#

84 143.0 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.01 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

Tgt Ion: 65 Resp: 46265

Ion Ratio Lower Upper

65 100

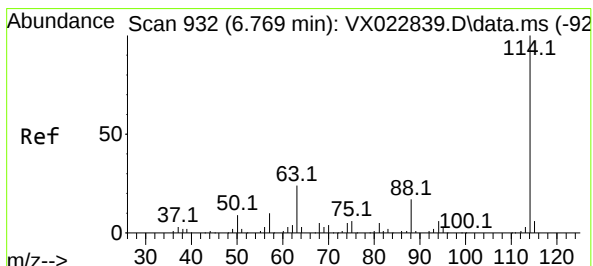
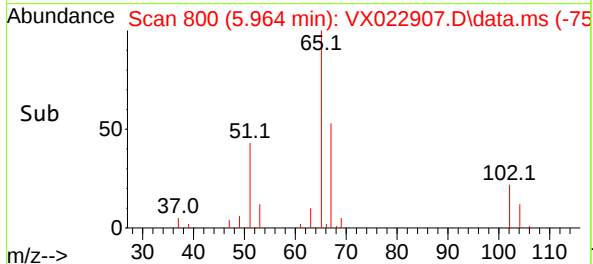
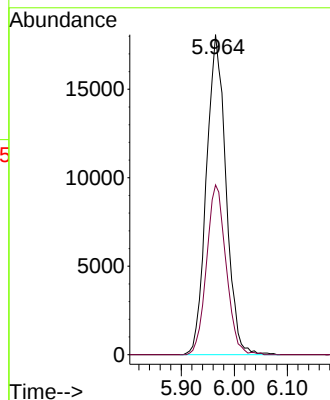
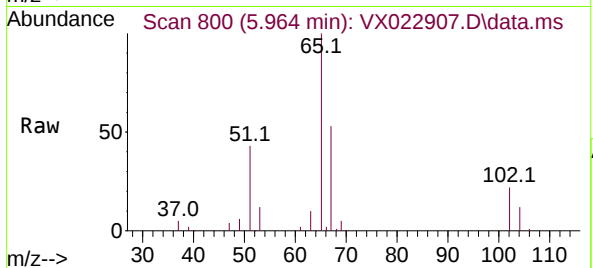
67 53.0 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20210621



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

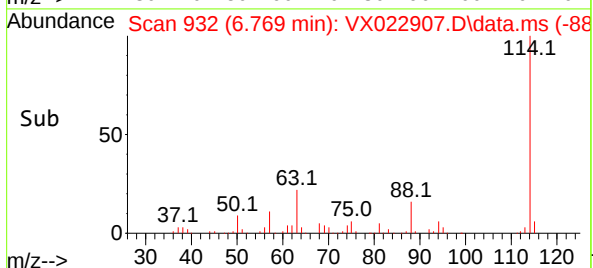
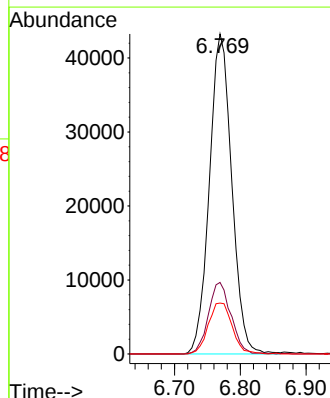
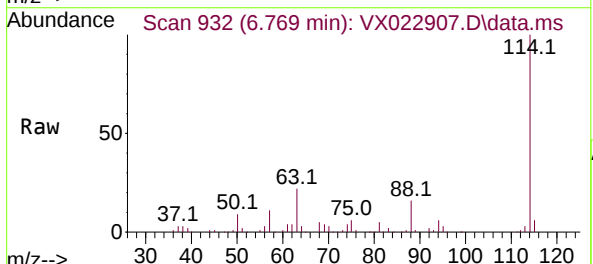
Tgt Ion: 114 Resp: 102345

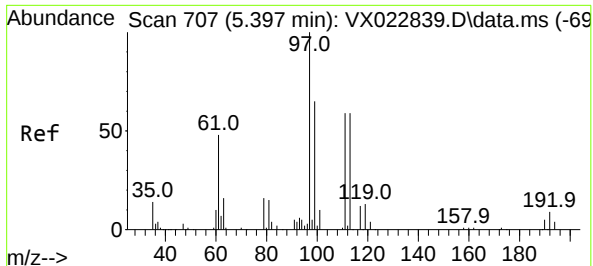
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.8

88 15.9 0.0 32.8

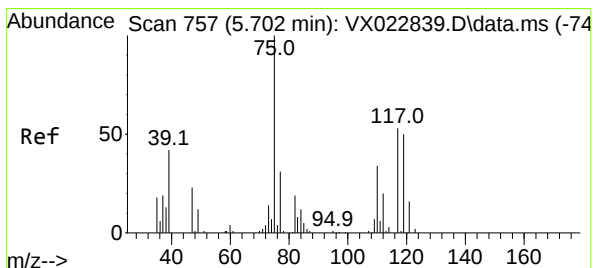
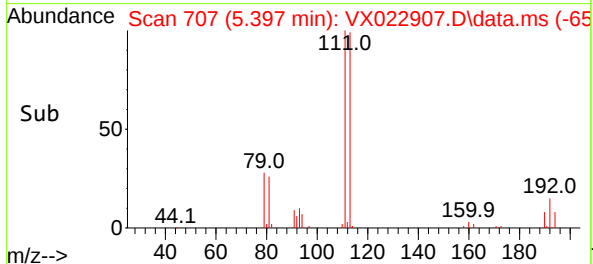
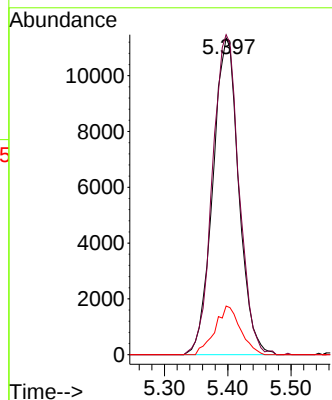
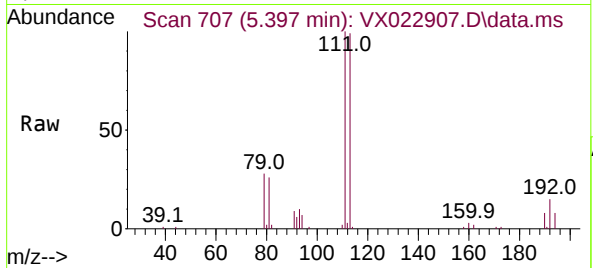




#35
Dibromofluoromethane
Concen: 49.75 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

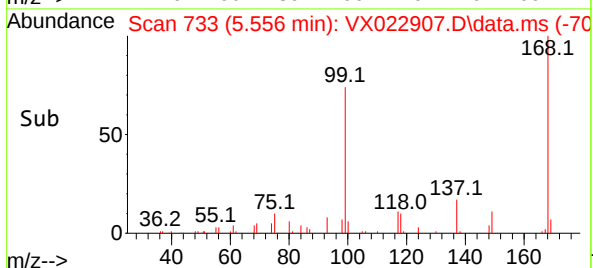
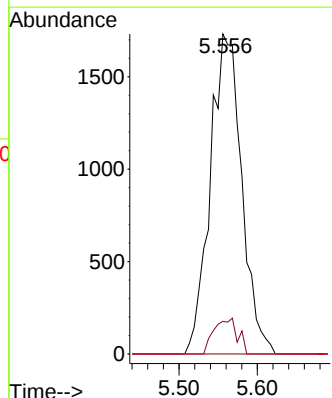
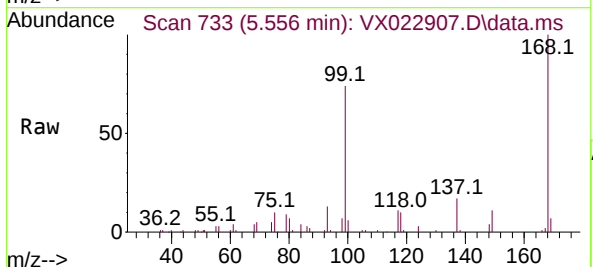
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

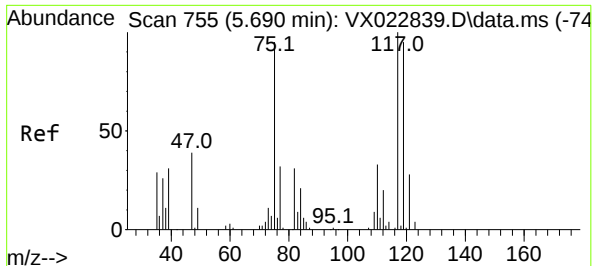
Tgt Ion:113 Resp: 32332
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 15.1 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

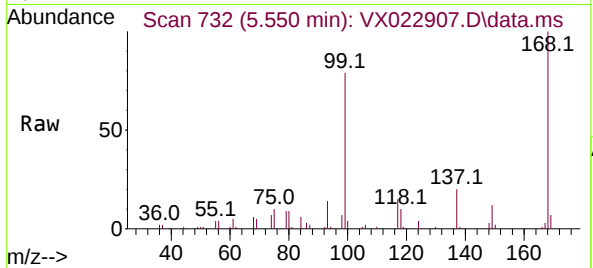
Tgt Ion: 75 Resp: 4825
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



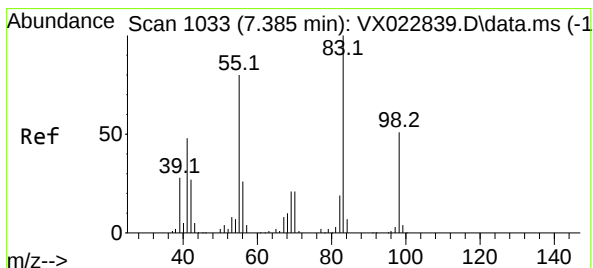
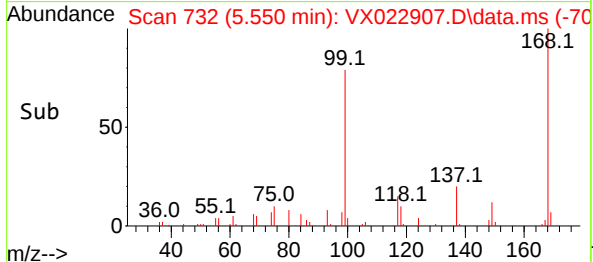
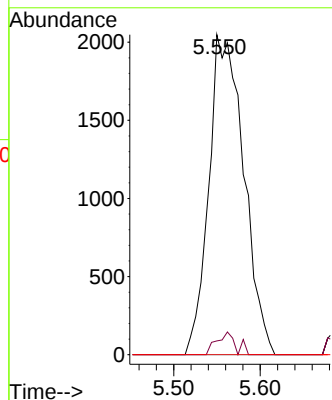


#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

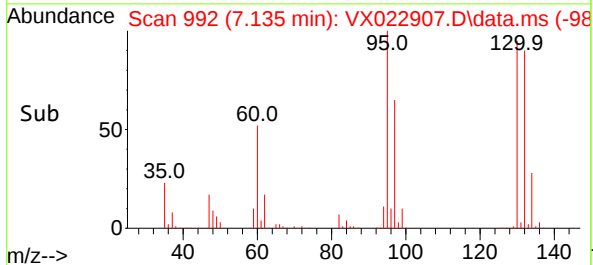
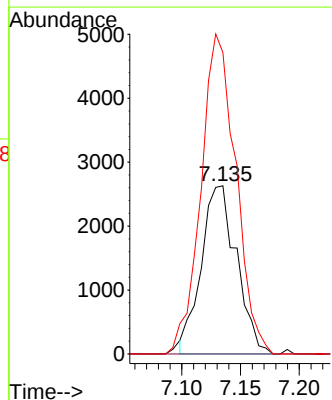
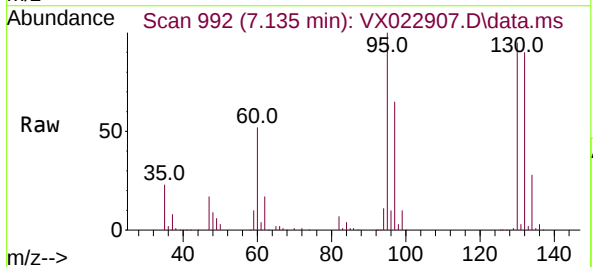


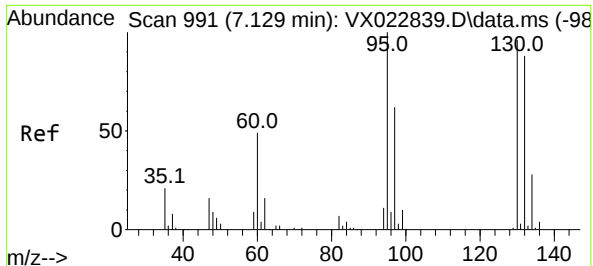
Tgt Ion:117 Resp: 5724
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 4.34 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Tgt Ion: 83 Resp: 5500
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 179.2 38.1 57.1#





#44

Trichloroethene

Concen: 510.12 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

Tgt Ion:130 Resp: 379205

Ion Ratio Lower Upper

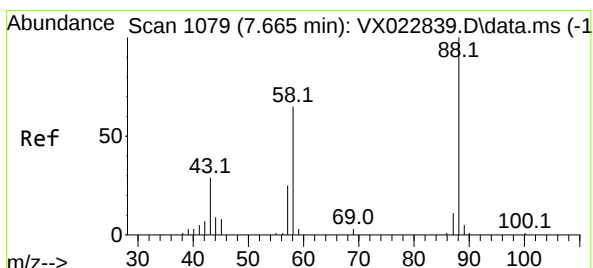
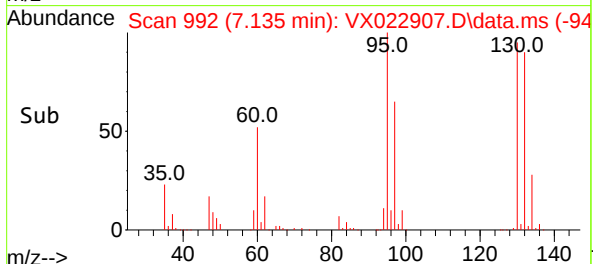
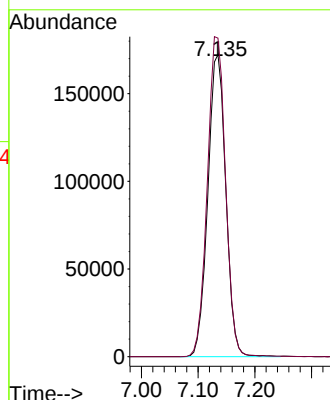
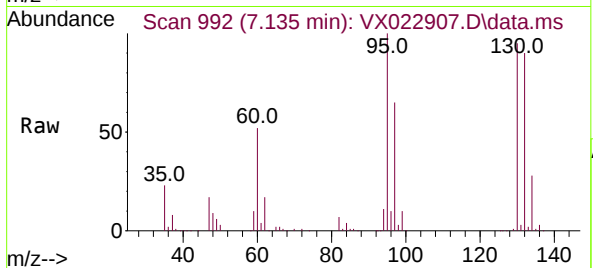
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	198.0

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20210621



#49

1,4-Dioxane

Concen: 24.15 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

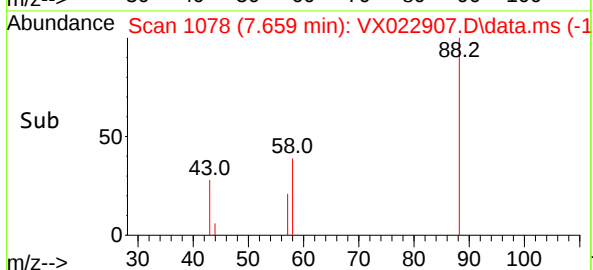
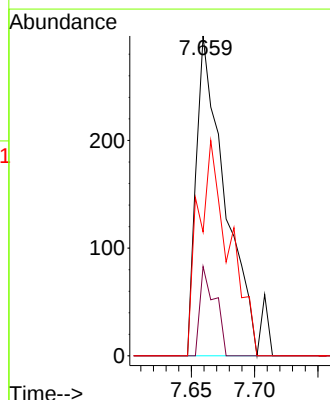
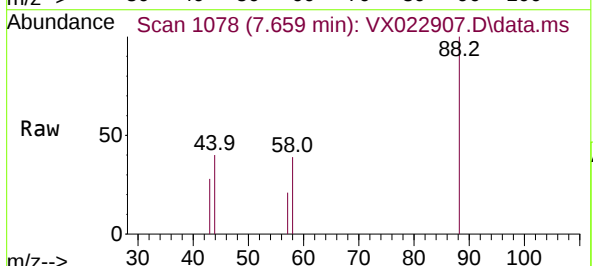
Lab File: VX022907.D

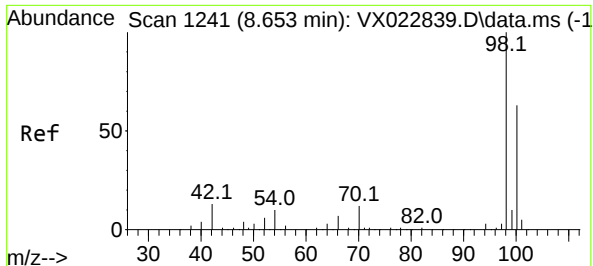
Acq: 25 Jun 2021 07:29

Tgt Ion: 88 Resp: 487

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
88	100		
43	14.2	23.2	34.8
58	69.2	55.0	82.4

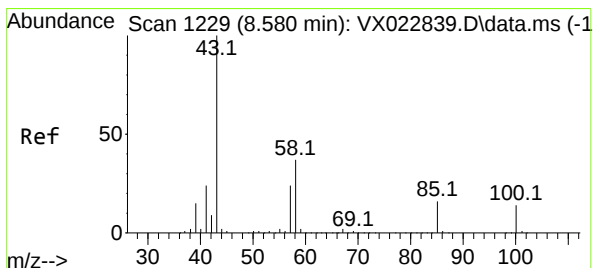
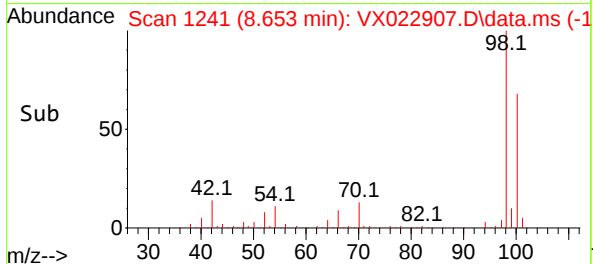
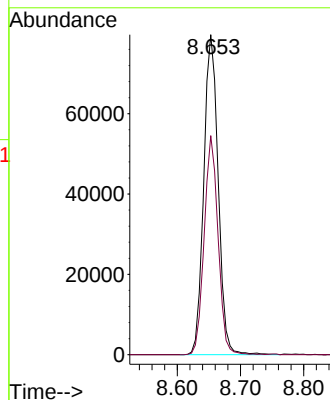
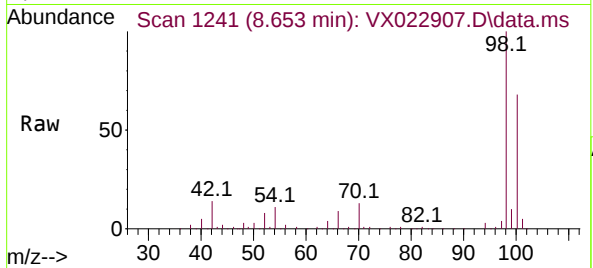




#50
Toluene-d8
Concen: 49.70 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

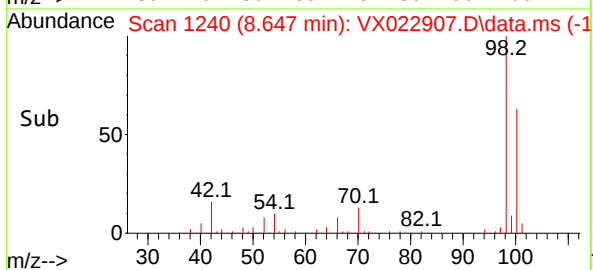
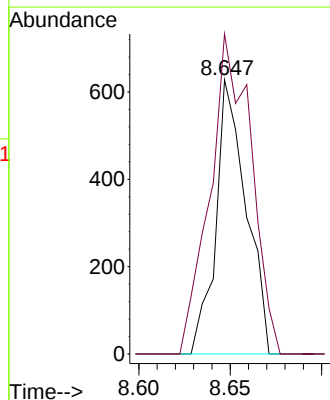
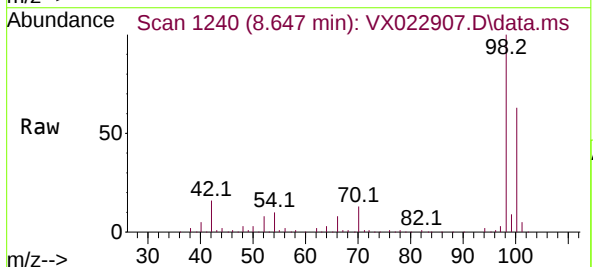
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

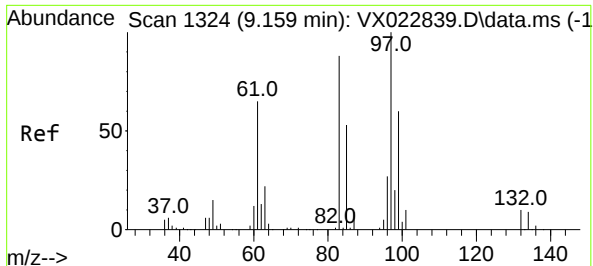
Tgt Ion: 98 Resp: 126604
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 158.4 35.4 53.0#





#55

1,1,2-Trichloroethane

Concen: 0.29 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. -0.000 min

Lab File: VX022907.D

Acq: 25 Jun 2021 07:29

Tgt Ion: 97 Resp: 223

Ion Ratio Lower Upper

97 100

83 106.7 69.3 103.9#

85 81.7 44.3 66.5#

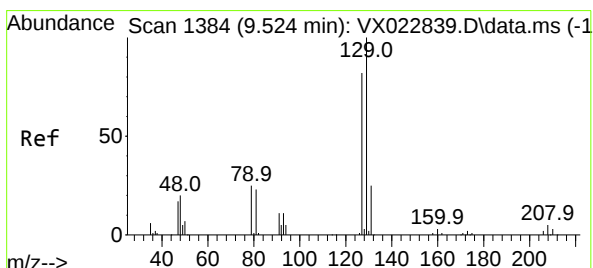
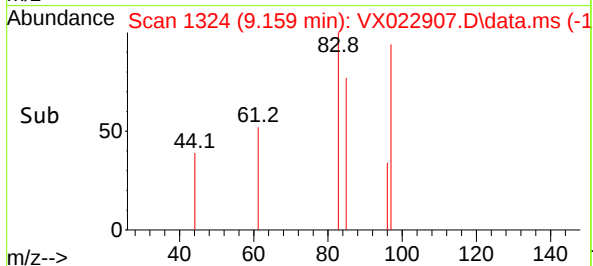
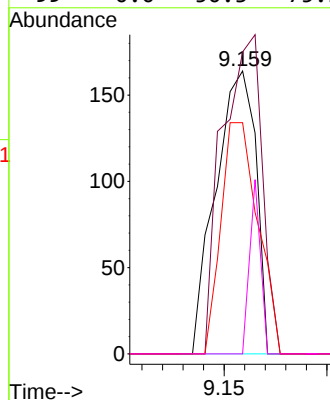
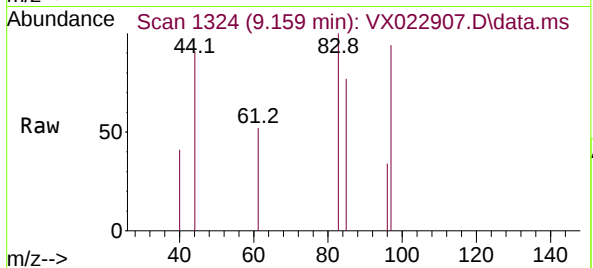
99 0.0 50.3 75.5#

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20210621



#60

Dibromochloromethane

Concen: 8.00 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.249 min

Lab File: VX022907.D

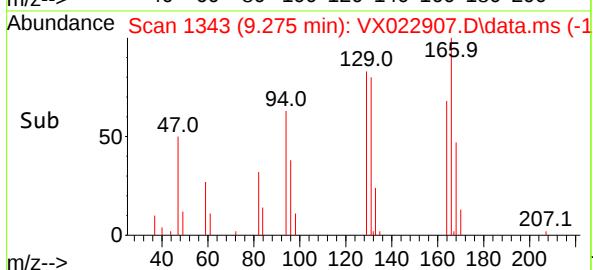
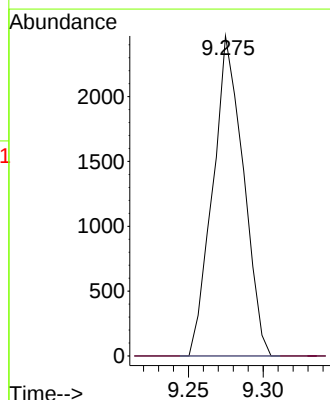
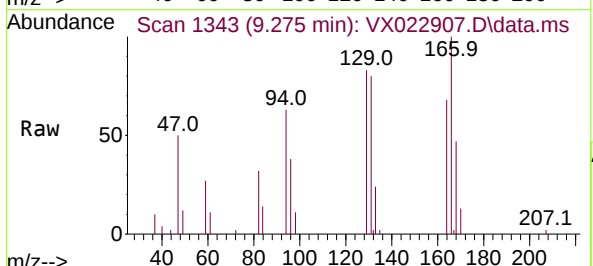
Acq: 25 Jun 2021 07:29

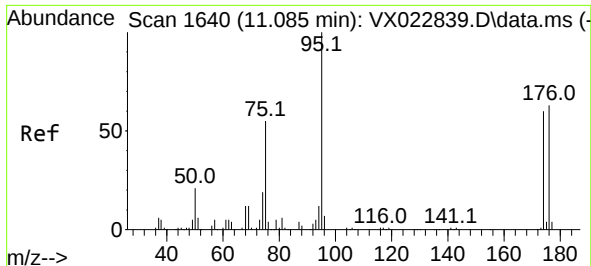
Tgt Ion:129 Resp: 3496

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

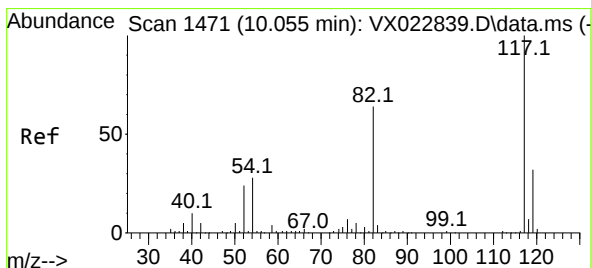
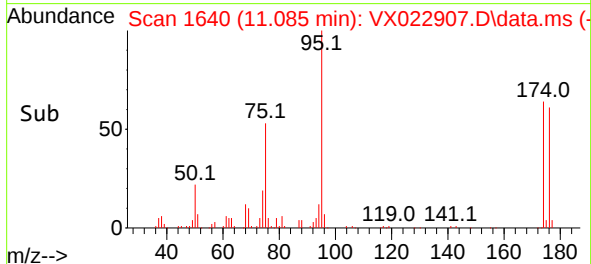
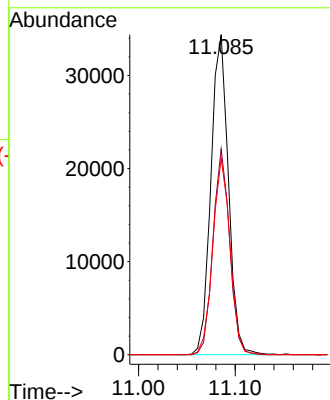
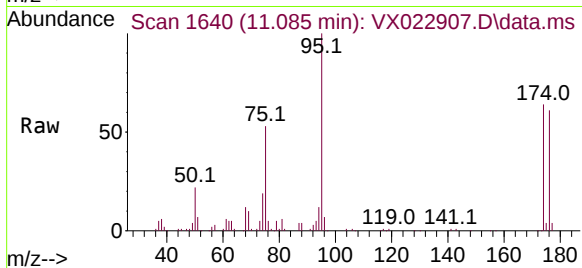




#62
4-Bromofluorobenzene
Concen: 45.50 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

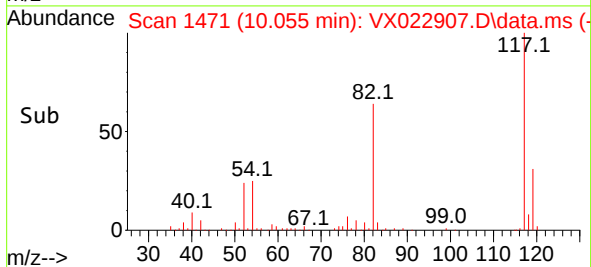
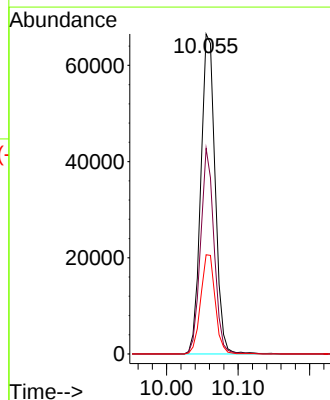
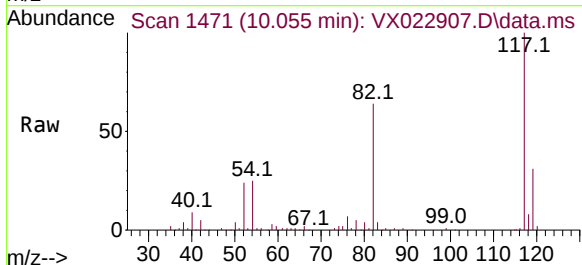
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

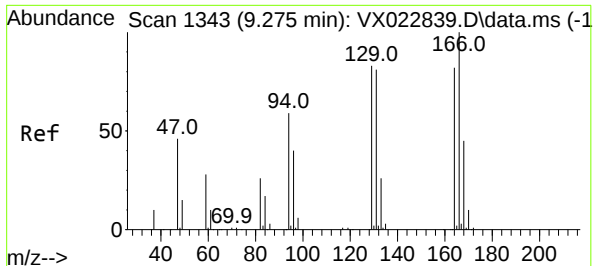
Tgt Ion: 95 Resp: 43255
Ion Ratio Lower Upper
95 100
174 61.0 0.0 154.6
176 60.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Tgt Ion: 117 Resp: 92548
Ion Ratio Lower Upper
117 100
82 64.2 47.4 71.2
119 31.0 26.6 39.8



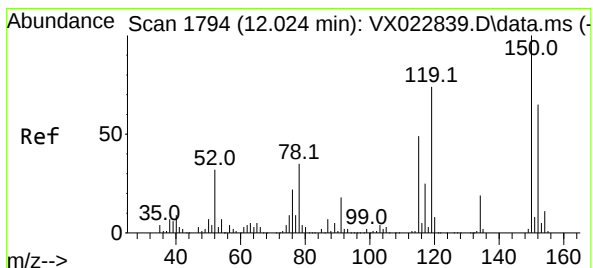
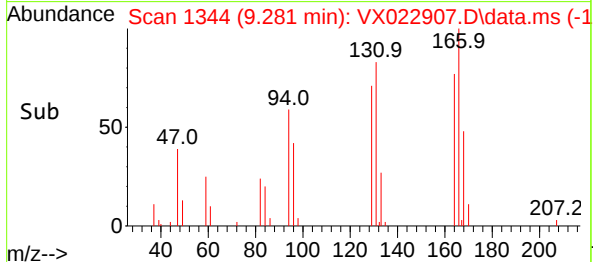
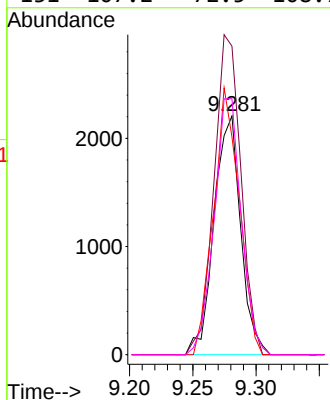
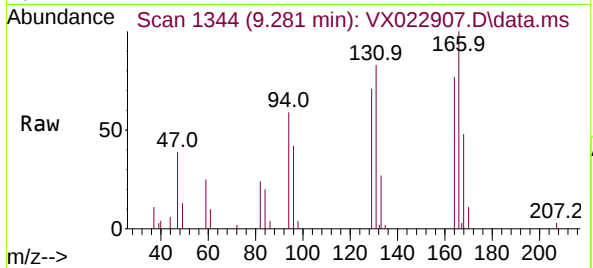


#64
Tetrachloroethene
Concen: 4.96 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

Tgt Ion:164 Resp: 3229

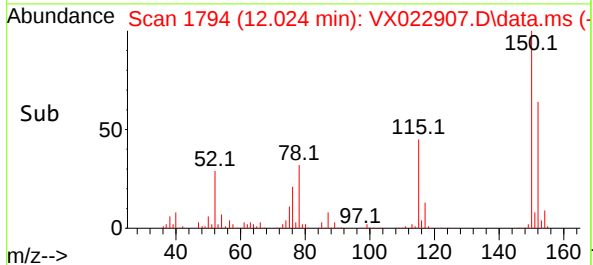
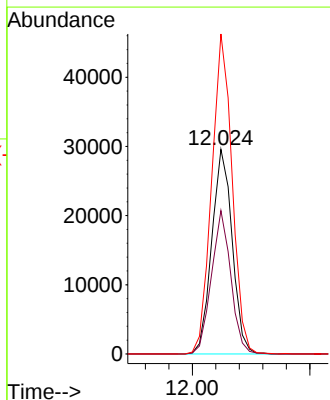
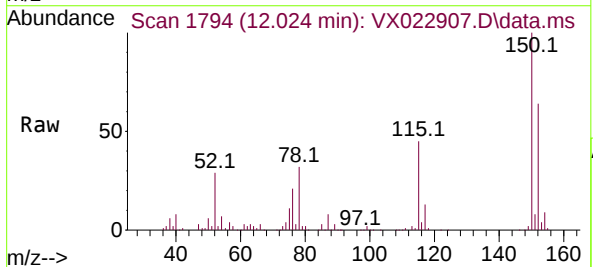
Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.4	155.2
129	91.2	70.8	106.2
131	107.2	72.5	108.7

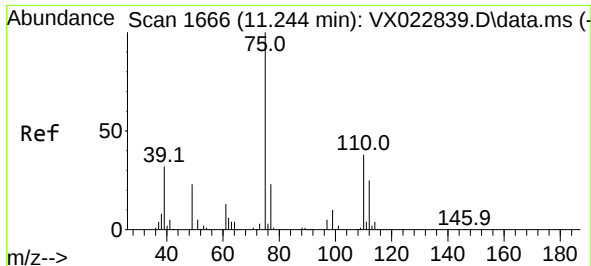


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Tgt Ion:152 Resp: 35657

Ion	Ratio	Lower	Upper
152	100		
115	66.5	41.1	123.3
150	156.3	0.0	349.0

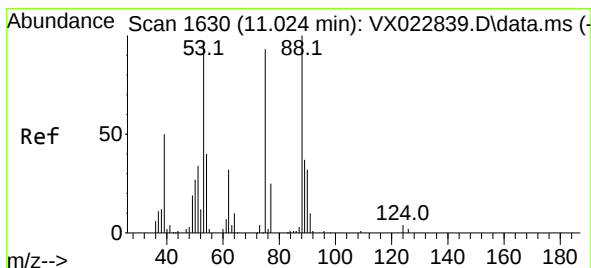
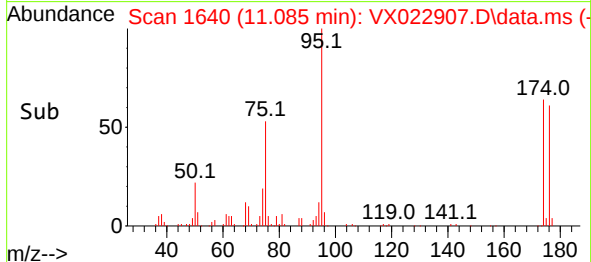
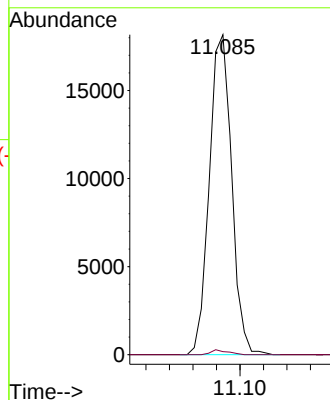
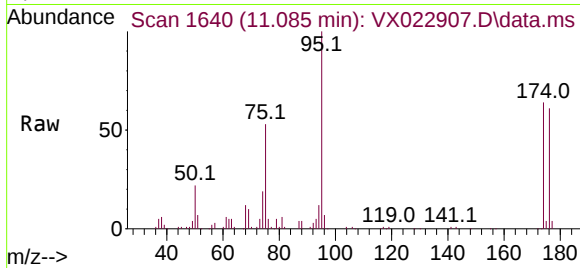




#76
1,2,3-Trichloropropane
Concen: 25.48 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210621

Tgt Ion: 75 Resp: 23998
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.37 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022907.D
Acq: 25 Jun 2021 07:29

Tgt Ion: 75 Resp: 23998
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

