

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022919.D
 Acq On : 25 Jun 2021 13:41
 Operator : JC/MD
 Sample : M2838-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20210622

Quant Time: Jun 26 03:53:13 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)

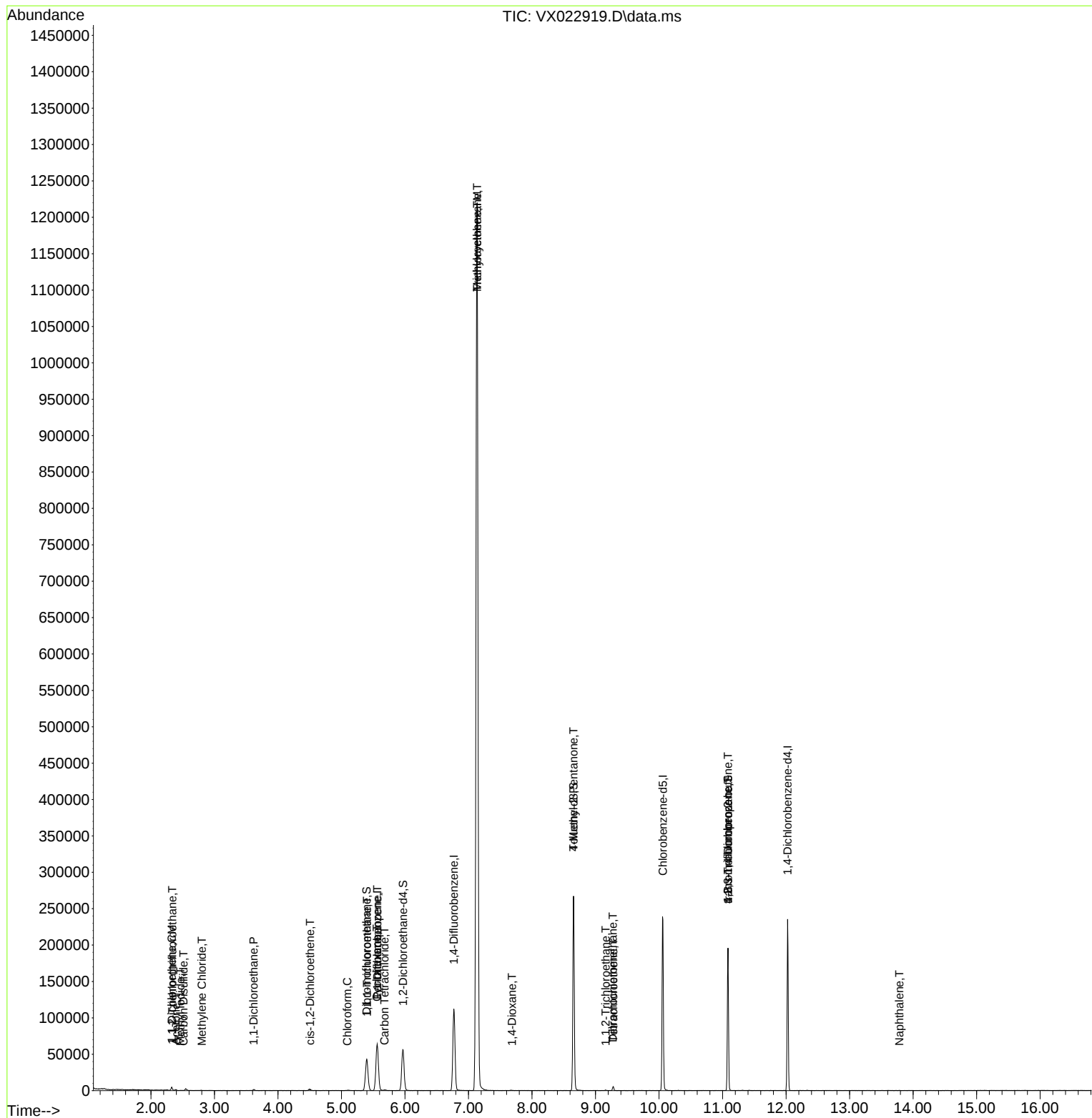
Internal Standards						
1) Pentafluorobenzene	5.562	168	52815	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	108920	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	101387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41508	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	51575	53.81	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.62%			
35) Dibromofluoromethane	5.397	113	36348	52.55	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.10%			
50) Toluene-d8	8.653	98	145852	53.80	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.60%			
62) 4-Bromofluorobenzene	11.085	95	51163	50.57	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.14%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	544	0.79	ug/l	# 83
10) Methyl Iodide	2.465	142	106	4.00	ug/l	# 42
12) 1,1-Dichloroethene	2.331	96	937	1.37	ug/l	# 80
16) Acetone	2.392	43	1094	2.57	ug/l	# 85
17) Carbon Disulfide	2.514	76	202	3.62	ug/l	# 75
20) Methylene Chloride	2.800	84	79	0.47	ug/l	# 48
24) 1,1-Dichloroethane	3.617	63	1775	1.23	ug/l	# 81
27) cis-1,2-Dichloroethene	4.507	96	1122	1.33	ug/l	57
30) Chloroform	5.092	83	658	0.45	ug/l	96
31) Cyclohexane	5.556	56	1551	1.15	ug/l	# 3
32) 1,1,1-Trichloroethane	5.403	97	482	0.41	ug/l	# 33
36) 1,1-Dichloropropene	5.562	75	5332	4.61	ug/l	# 45
38) Carbon Tetrachloride	5.678	117	652	0.67	ug/l	85
39) Methylcyclohexane	7.135	83	5666	4.20	ug/l	# 1
44) Trichloroethene	7.135	130	412740	521.71	ug/l	89
49) 1,4-Dioxane	7.683	88	261	12.16	ug/l	# 70
51) 4-Methyl-2-Pentanone	8.653	43	777	0.58	ug/l	# 1
55) 1,1,2-Trichloroethane	9.159	97	258	0.32	ug/l	# 84
60) Dibromochloromethane	9.275	129	810	4.60	ug/l	# 11
64) Tetrachloroethene	9.281	164	793	1.11	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	28798	26.27	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	28798	68.22	ug/l	# 12
95) Naphthalene	13.786	128	184	1.97	ug/l	# 69

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

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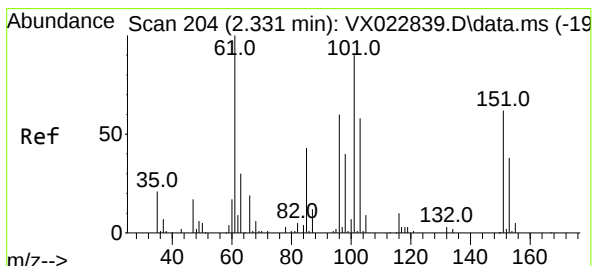
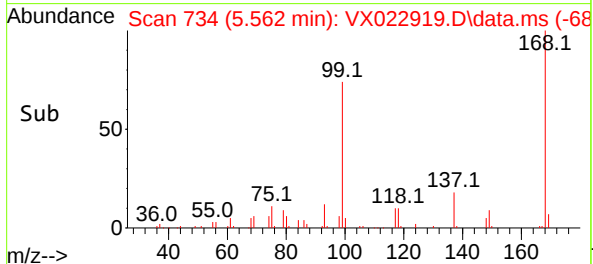
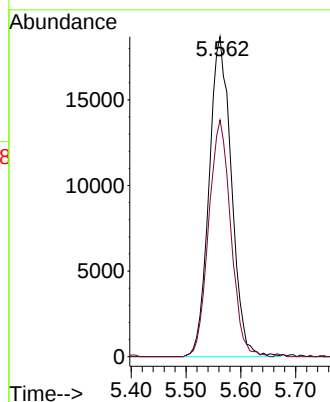
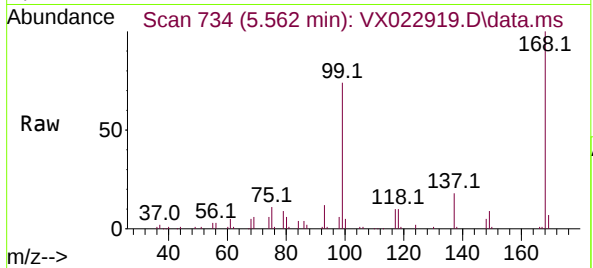




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

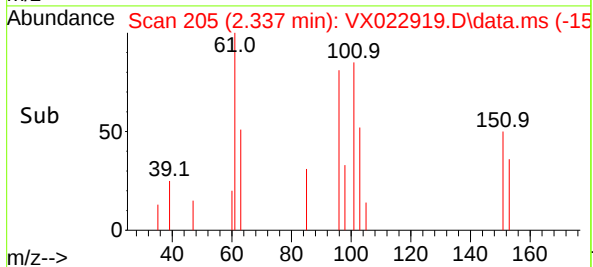
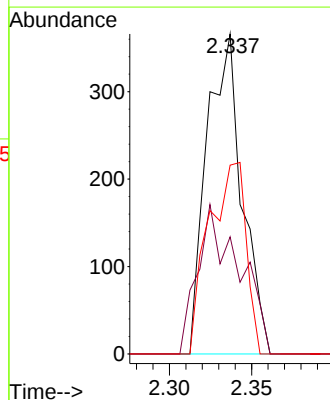
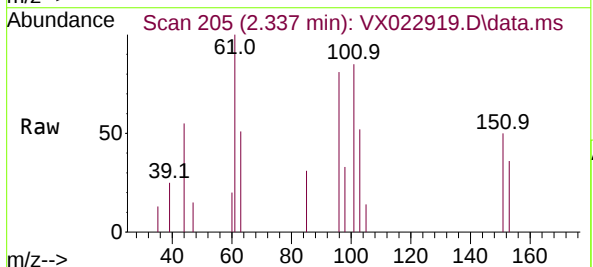
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

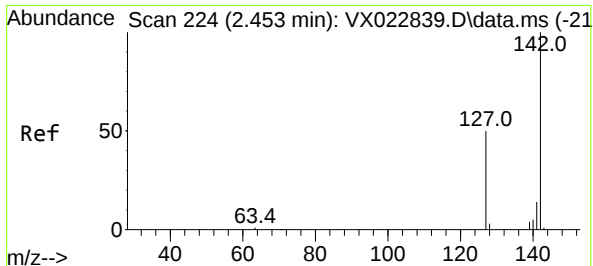
Tgt Ion:168 Resp: 52815
Ion Ratio Lower Upper
168 100
99 73.9 45.8 68.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.79 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion:101 Resp: 544
Ion Ratio Lower Upper
101 100
85 55.3 34.9 52.3#
151 63.2 61.4 92.2

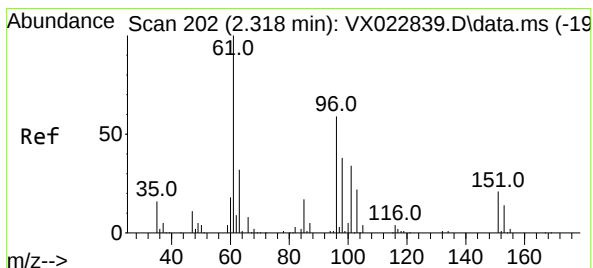
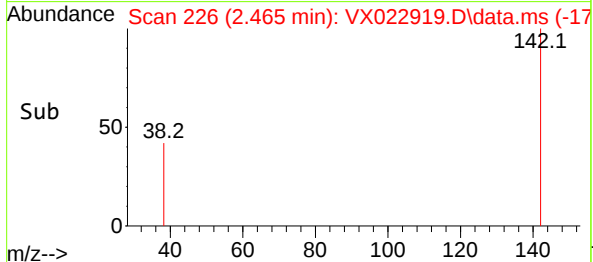
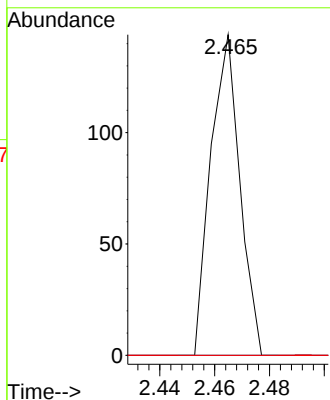
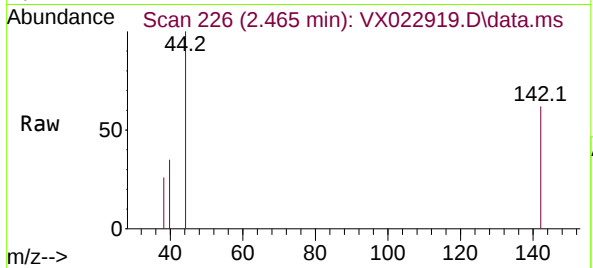




#10
Methyl Iodide
Concen: 4.00 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

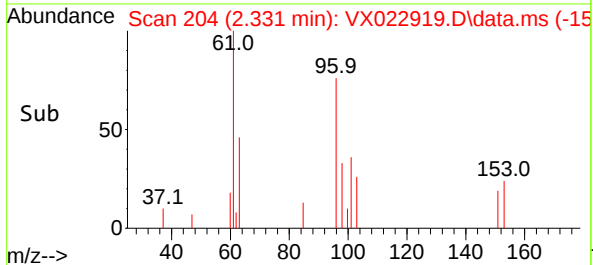
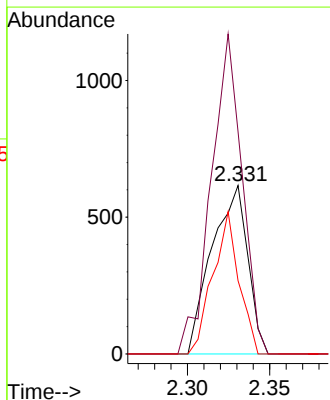
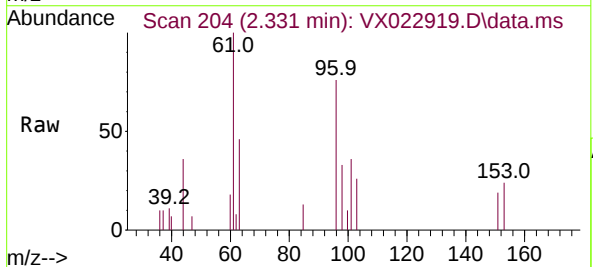
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

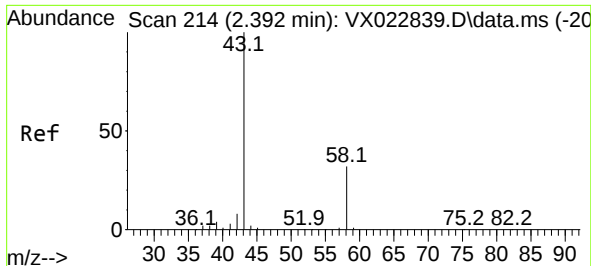
Tgt Ion:142 Resp: 106
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 1.37 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.013 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion: 96 Resp: 937
Ion Ratio Lower Upper
96 100
61 132.0 124.6 187.0
98 43.5 50.6 76.0#

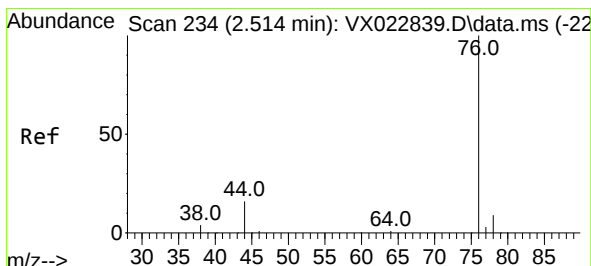
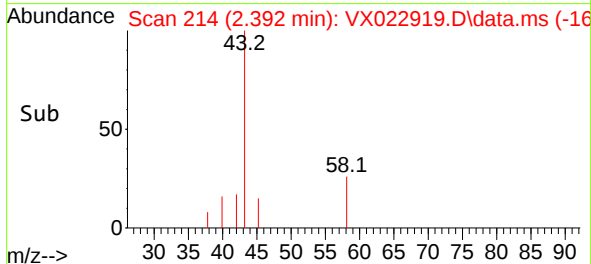
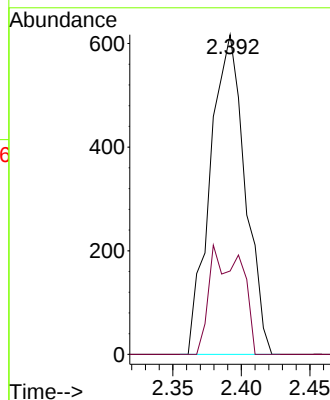
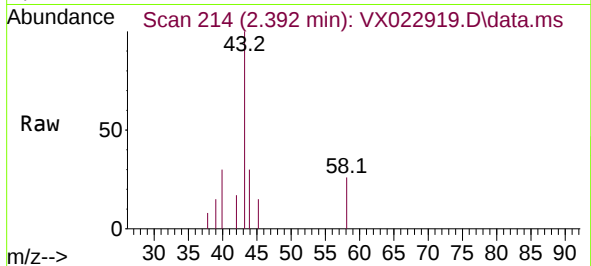




#16
Acetone
Concen: 2.57 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

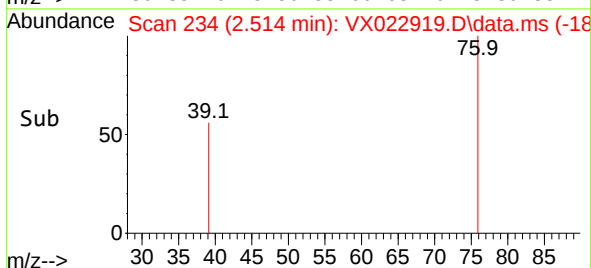
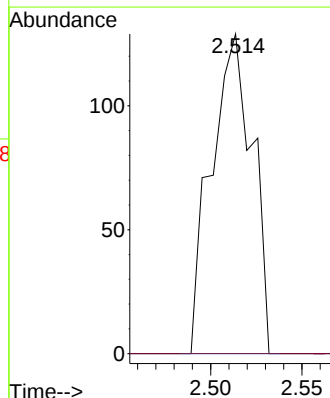
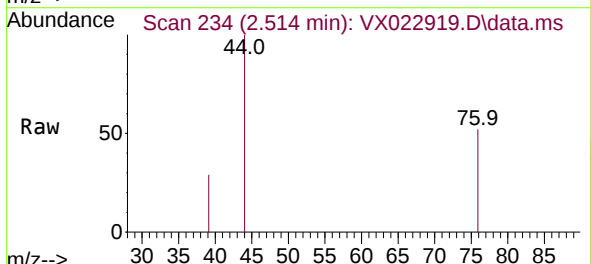
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

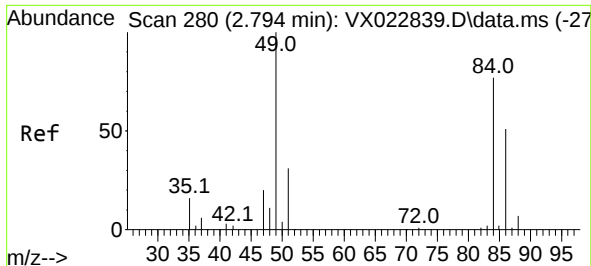
Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
58 26.1 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.62 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

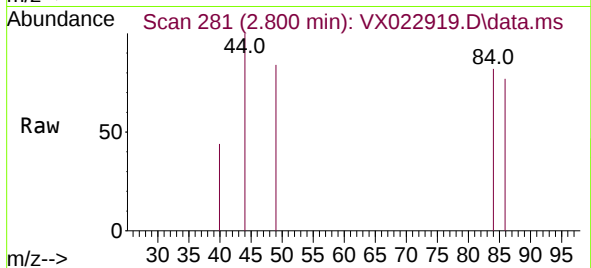
Tgt Ion: 76 Resp: 202
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



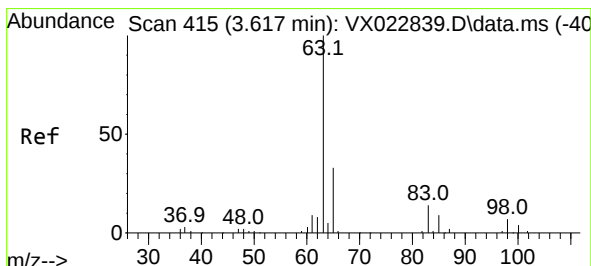
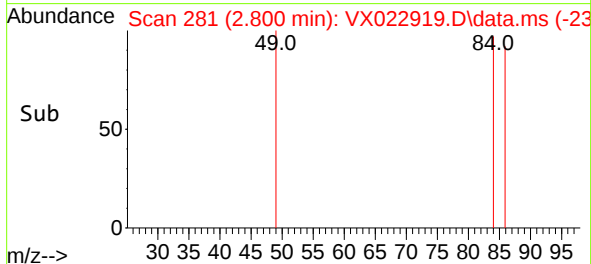
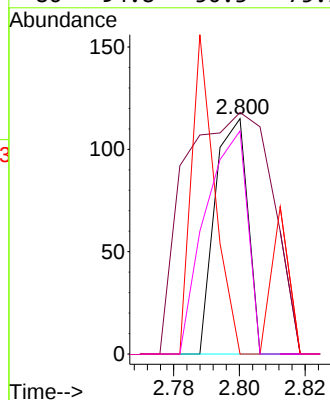


#20
Methylene Chloride
Concen: 0.47 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

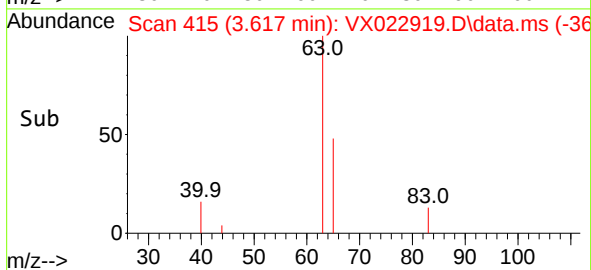
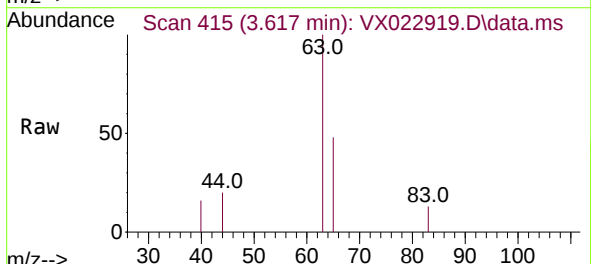
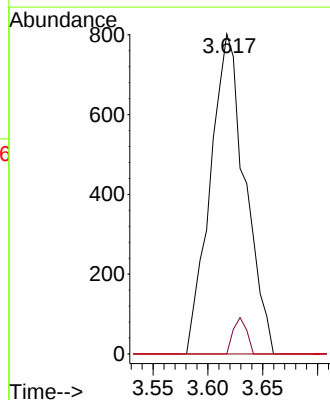


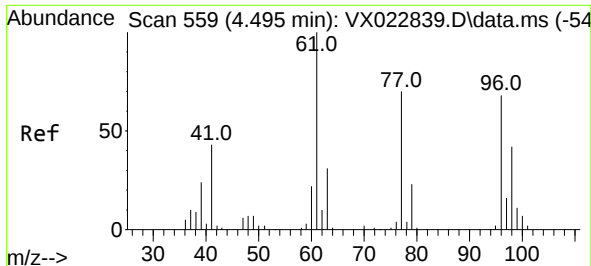
Tgt Ion: 84	Resp: 79
Ion Ratio	Lower Upper
84 100	
49 50.4	88.6 132.8#
51 0.0	27.0 40.6#
86 94.8	50.3 75.5#



#24
1,1-Dichloroethane
Concen: 1.23 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion: 63	Resp: 1775
Ion Ratio	Lower Upper
63 100	
98 0.0	3.8 11.2#
100 0.0	2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.33 ug/l

RT: 4.507 min Scan# 561

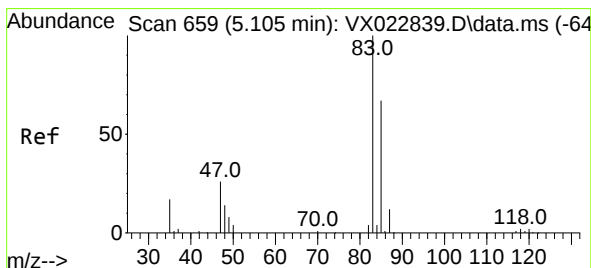
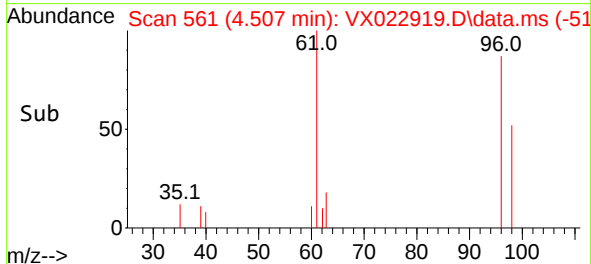
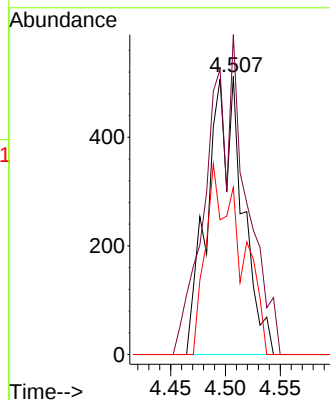
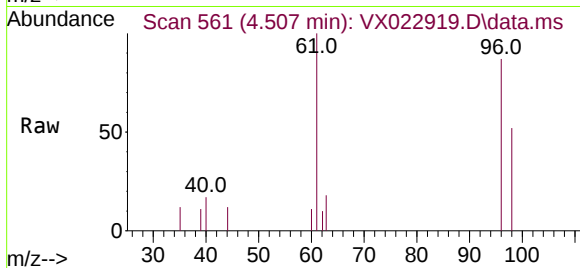
Delta R.T. 0.012 min

Lab File: VX022919.D

Acq: 25 Jun 2021 13:41

Tgt Ion: 96 Resp: 1122

Ion	Ratio	Lower	Upper
96	100		
61	69.5	0.0	285.6
98	69.3	0.0	129.6



#30

Chloroform

Concen: 0.45 ug/l

RT: 5.092 min Scan# 657

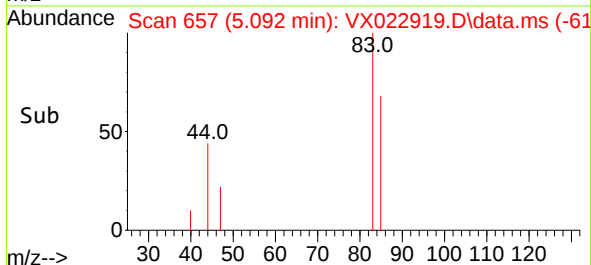
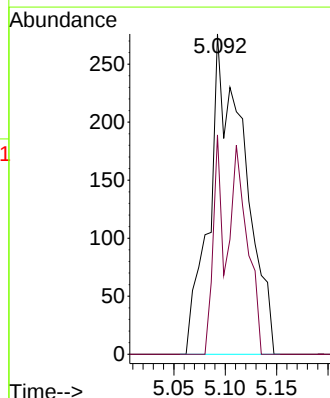
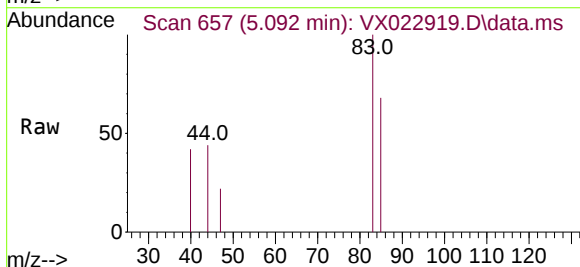
Delta R.T. -0.013 min

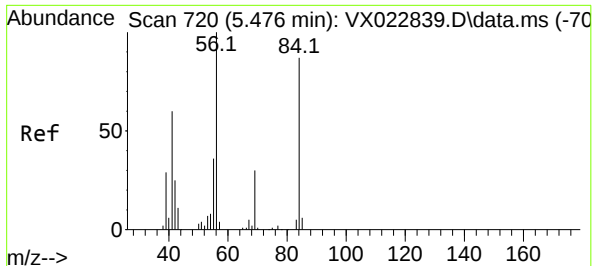
Lab File: VX022919.D

Acq: 25 Jun 2021 13:41

Tgt Ion: 83 Resp: 658

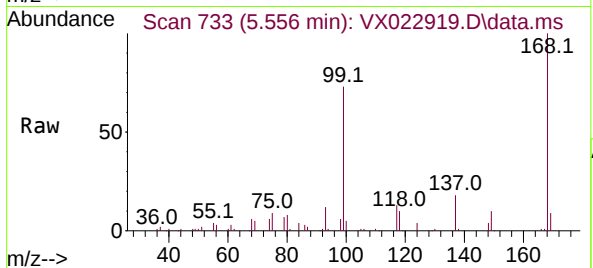
Ion	Ratio	Lower	Upper
83	100		
85	68.5	52.0	78.0



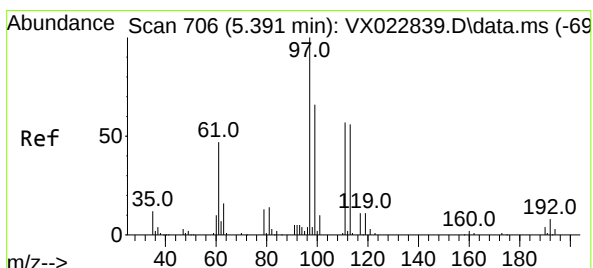
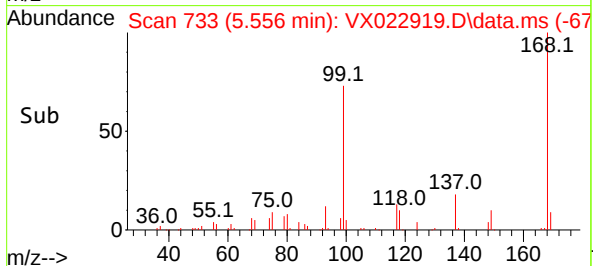
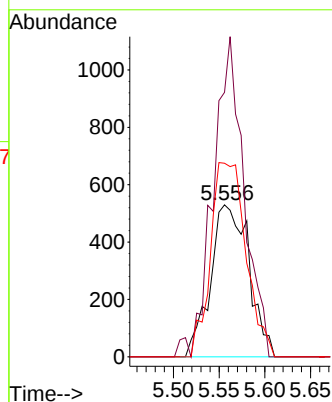


#31
Cyclohexane
Concen: 1.15 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

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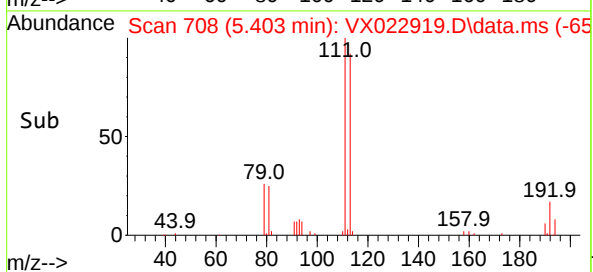
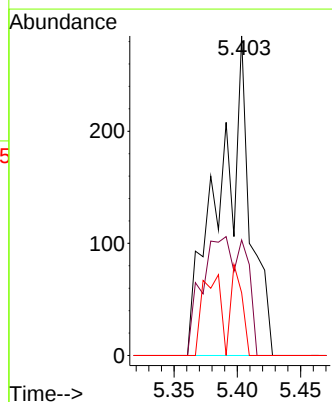
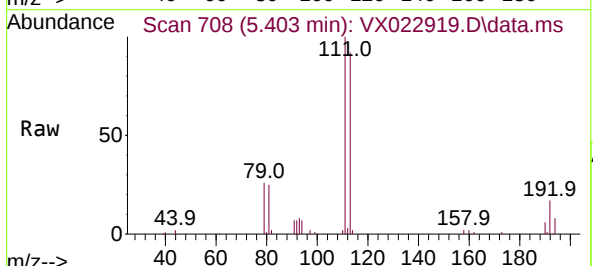


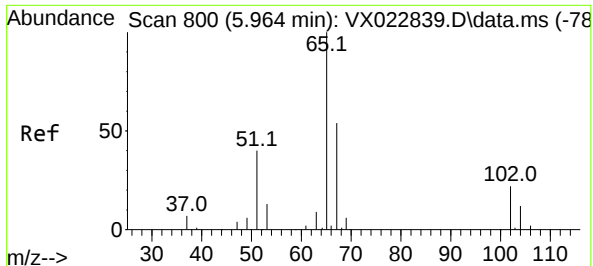
Tgt Ion: 56 Resp: 1551
Ion Ratio Lower Upper
56 100
69 174.0 25.3 37.9#
84 127.4 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.41 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.012 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion: 97 Resp: 482
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 15.1 34.2 51.4#

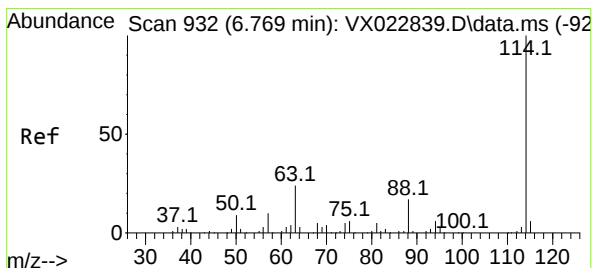
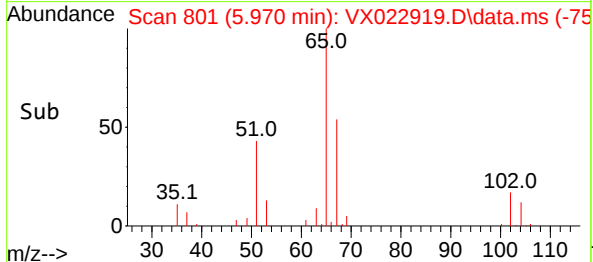
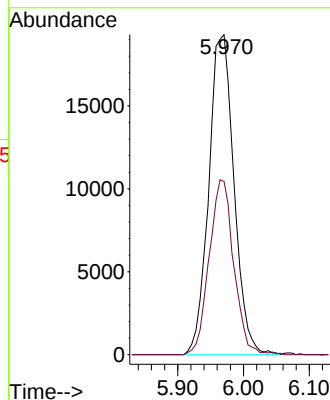
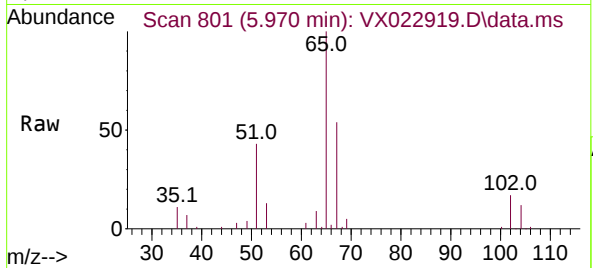




#33
 1,2-Dichloroethane-d4
 Concen: 53.81 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX022919.D
 Acq: 25 Jun 2021 13:41

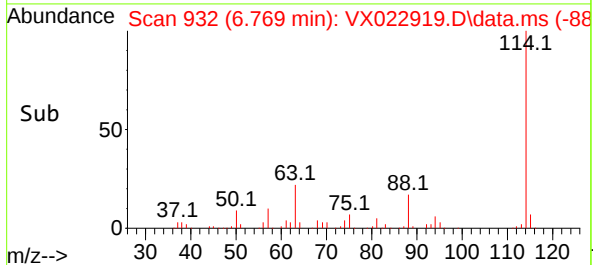
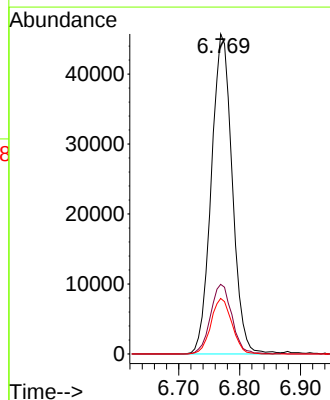
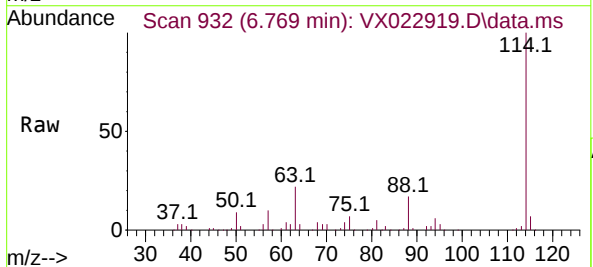
Instrument :
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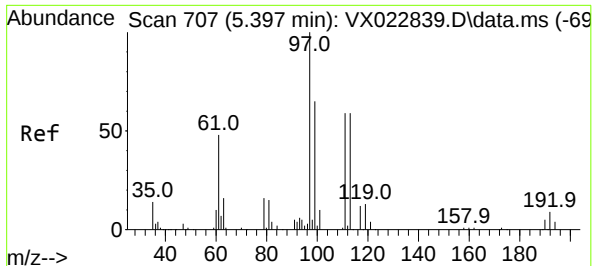
Tgt Ion: 65 Resp: 51575
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX022919.D
 Acq: 25 Jun 2021 13:41

Tgt Ion: 114 Resp: 108920
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 17.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.55 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022919.D

Acq: 25 Jun 2021 13:41

Tgt Ion:113 Resp: 36348

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

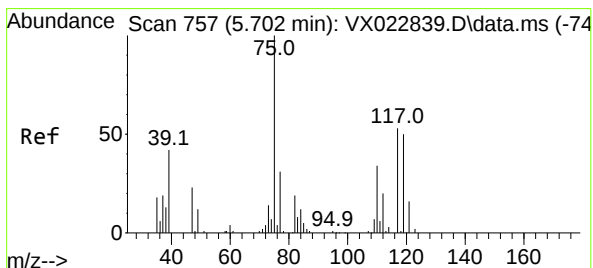
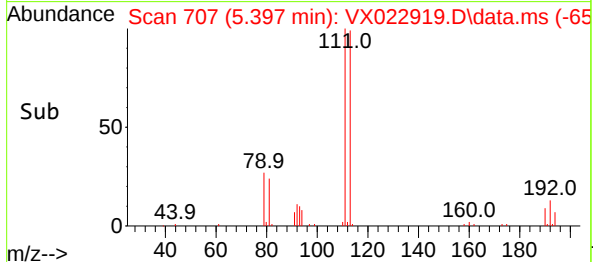
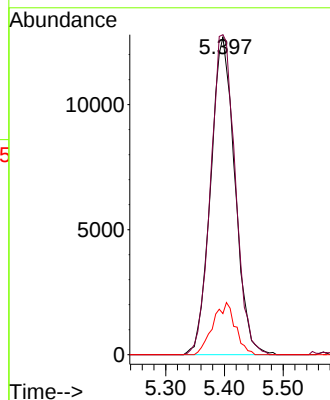
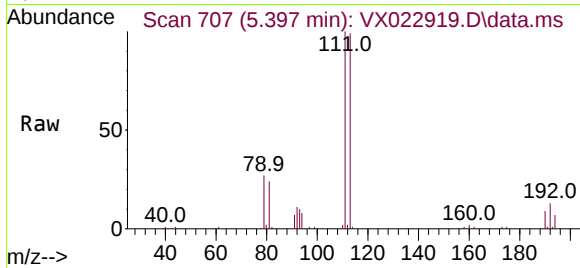
192 15.2 16.7 25.1#

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20210622



#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022919.D

Acq: 25 Jun 2021 13:41

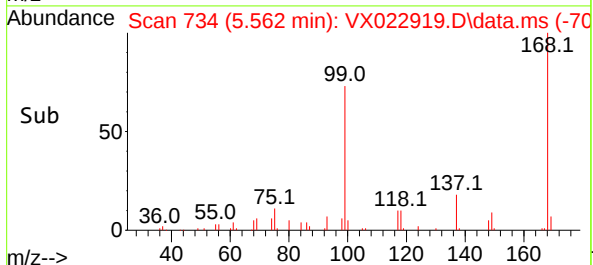
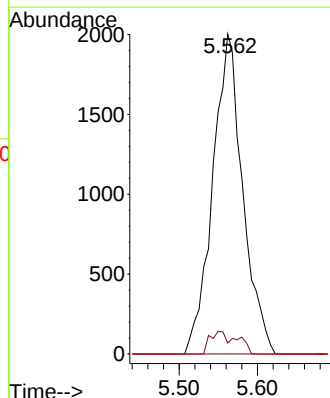
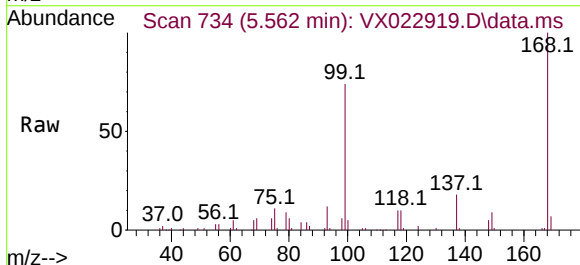
Tgt Ion: 75 Resp: 5332

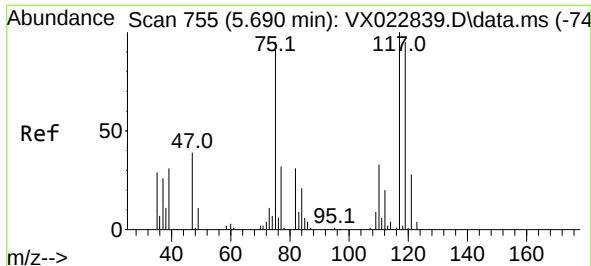
Ion Ratio Lower Upper

75 100

110 5.1 18.1 54.4#

77 0.0 25.3 37.9#

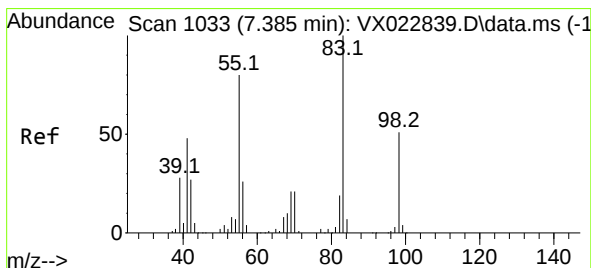
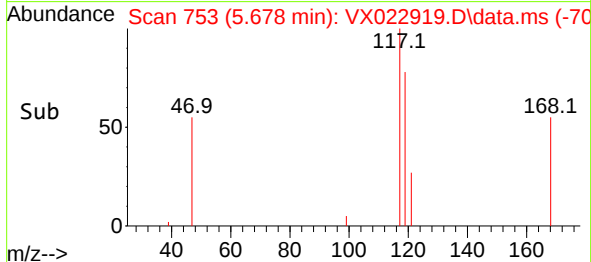
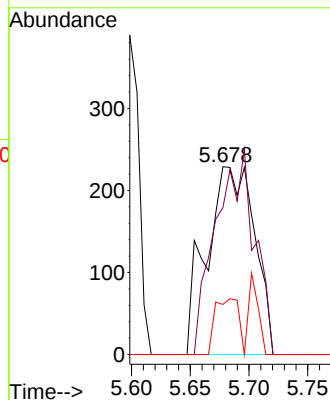
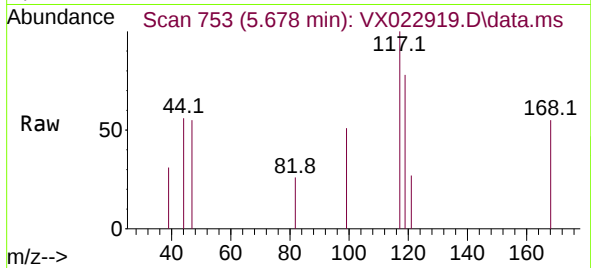




#38
Carbon Tetrachloride
Concen: 0.67 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

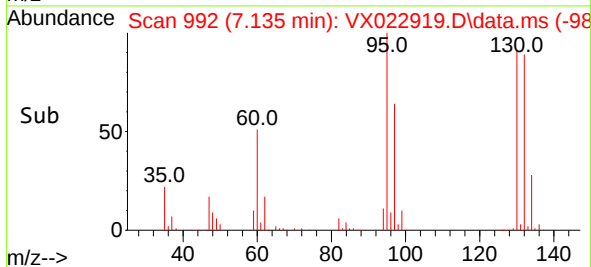
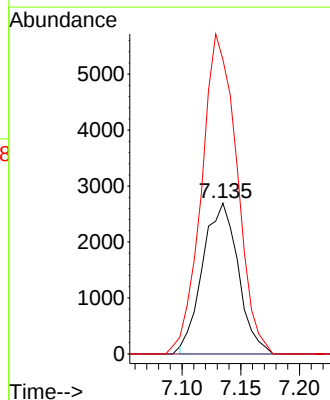
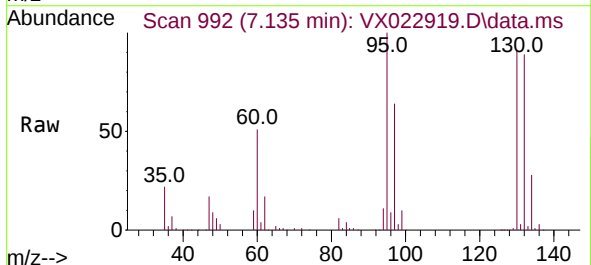
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

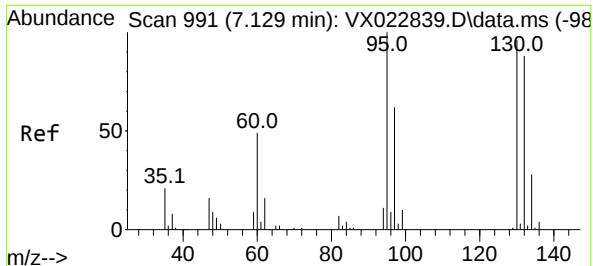
Tgt Ion:117 Resp: 652
Ion Ratio Lower Upper
117 100
119 78.2 76.2 114.2
121 26.6 24.8 37.2



#39
Methylcyclohexane
Concen: 4.20 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion: 83 Resp: 5666
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 195.4 38.1 57.1#

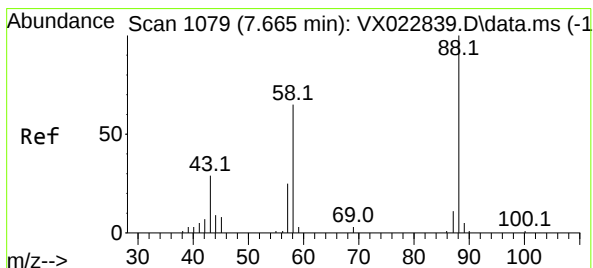
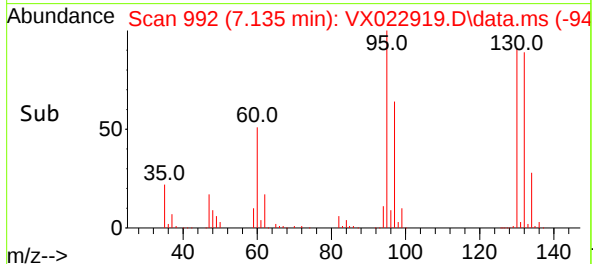
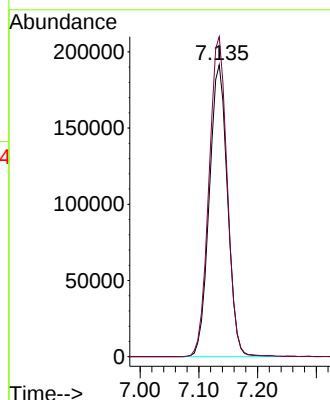
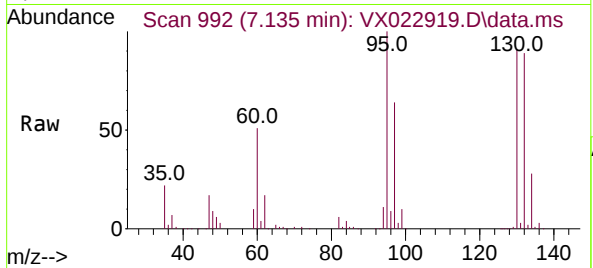




#44
Trichloroethene
Concen: 521.71 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

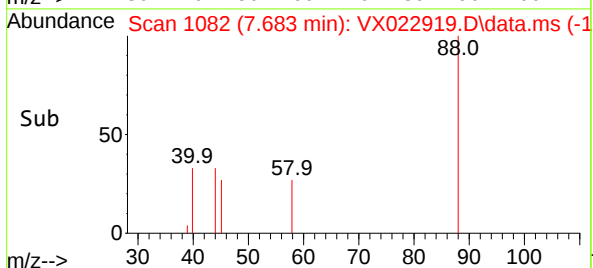
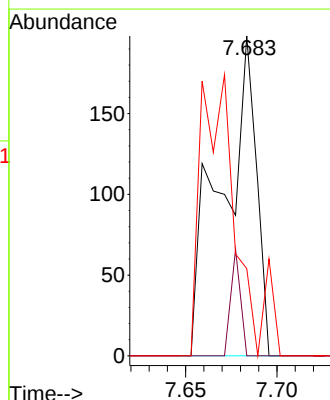
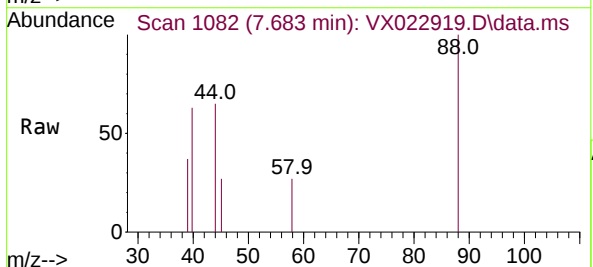
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

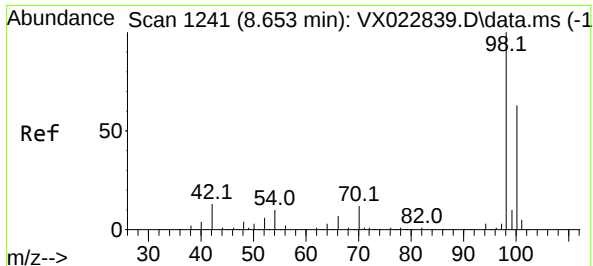
Tgt Ion:130 Resp: 412740
Ion Ratio Lower Upper
130 100
95 109.7 0.0 198.0



#49
1,4-Dioxane
Concen: 12.16 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion: 88 Resp: 261
Ion Ratio Lower Upper
88 100
43 9.2 23.2 34.8#
58 90.8 55.0 82.4#





#50

Toluene-d8

Concen: 53.80 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022919.D

Acq: 25 Jun 2021 13:41

Tgt Ion: 98 Resp: 145852

Ion Ratio Lower Upper

98 100

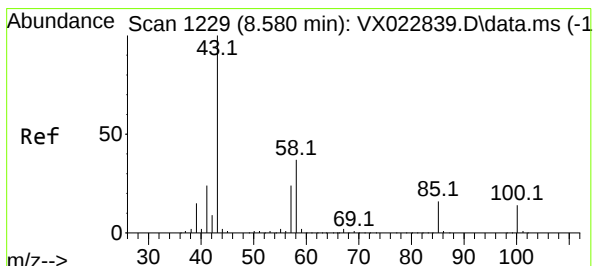
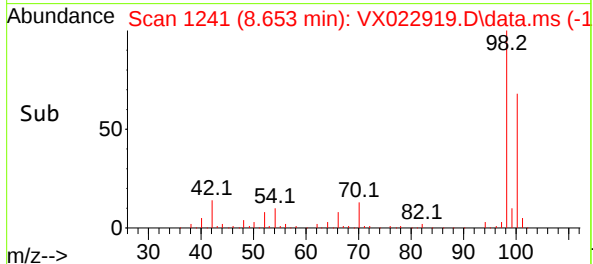
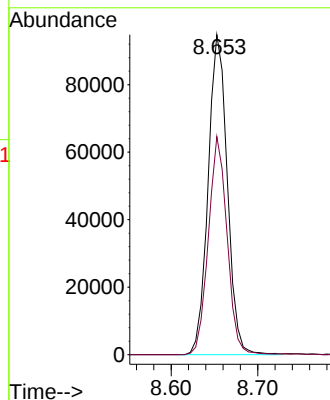
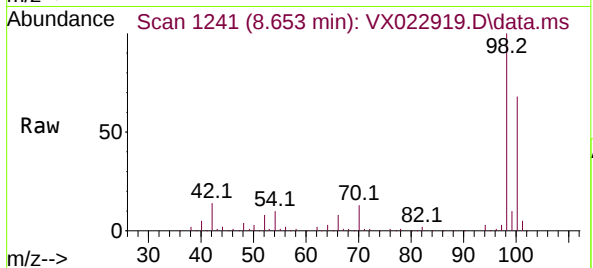
100 66.5 51.9 77.9

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20210622



#51

4-Methyl-2-Pentanone

Concen: 0.58 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX022919.D

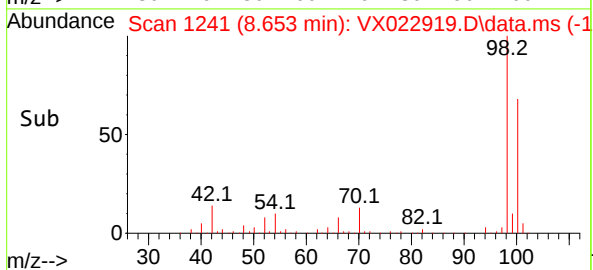
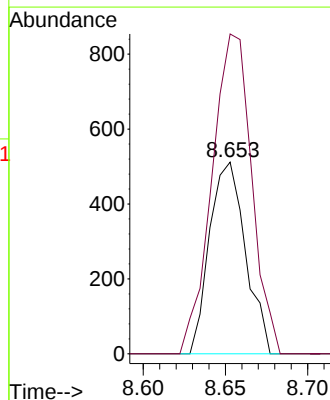
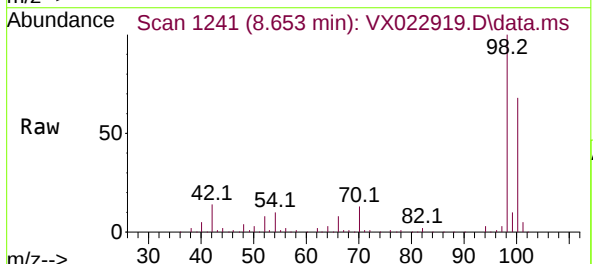
Acq: 25 Jun 2021 13:41

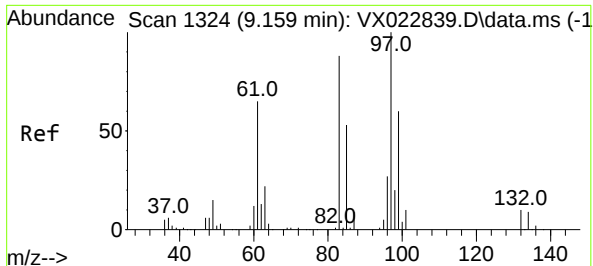
Tgt Ion: 43 Resp: 777

Ion Ratio Lower Upper

43 100

58 185.1 35.4 53.0#

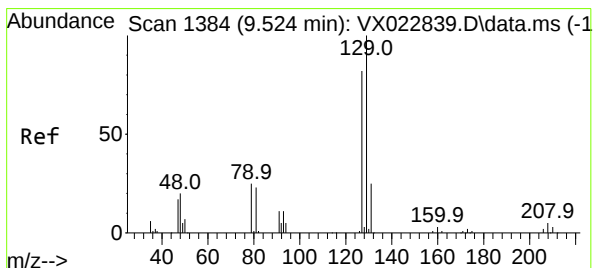
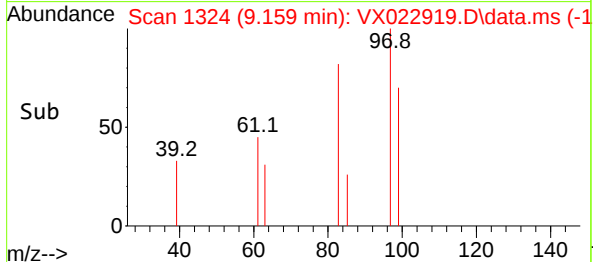
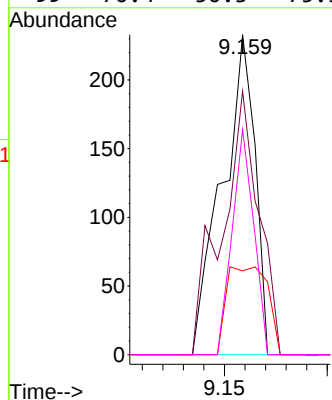
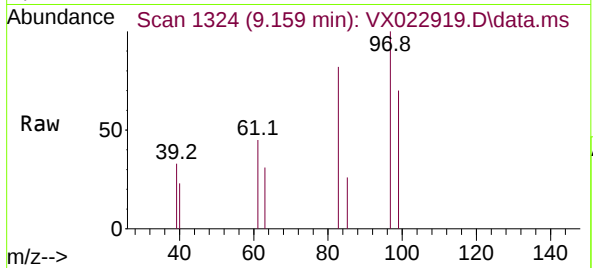




#55
1,1,2-Trichloroethane
Concen: 0.32 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

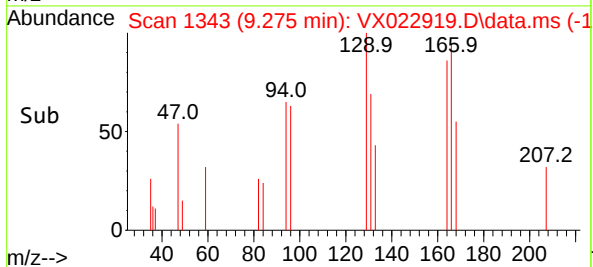
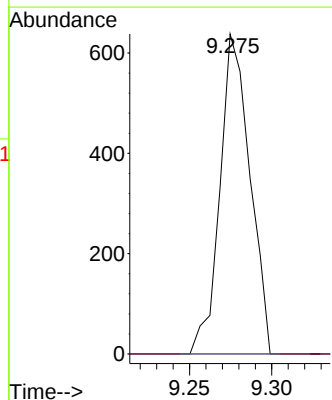
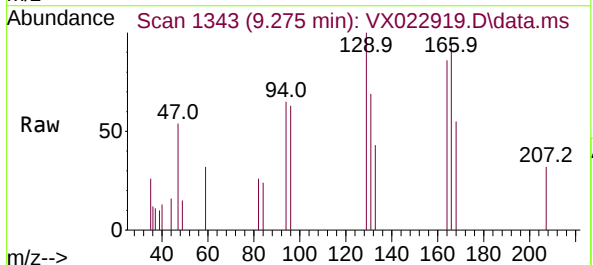
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

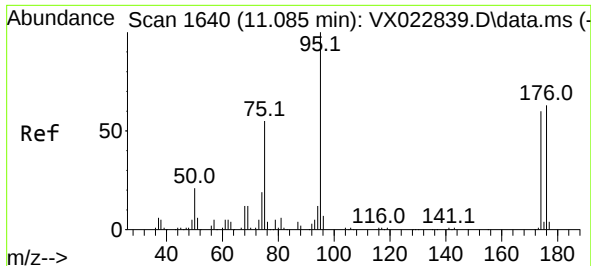
Tgt Ion: 97	Resp:	258	
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.3	103.9
85	26.2	44.3	66.5#
99	70.4	50.3	75.5



#60
Dibromochloromethane
Concen: 4.60 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion:129	Resp:	810	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

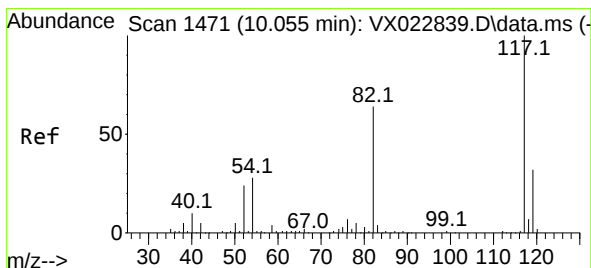
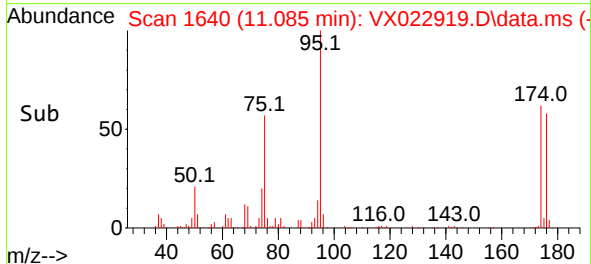
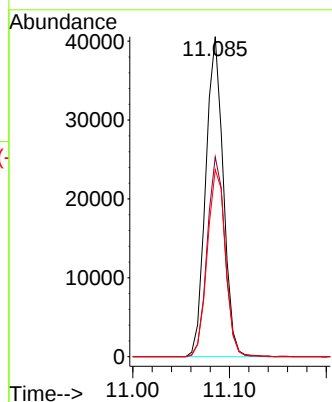
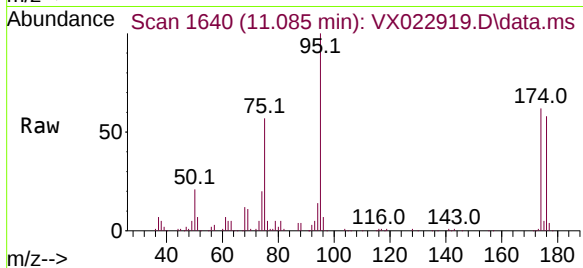




#62
4-Bromofluorobenzene
Concen: 50.57 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

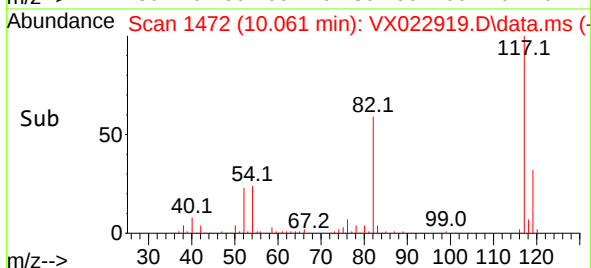
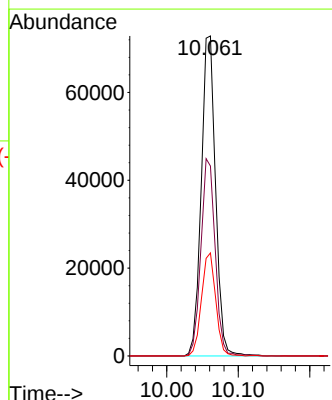
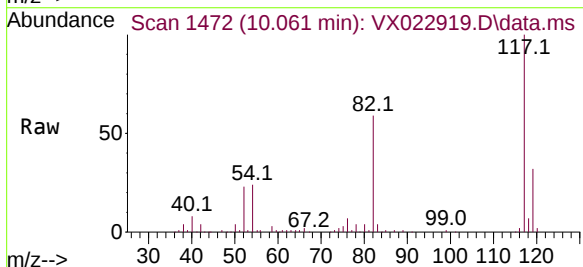
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

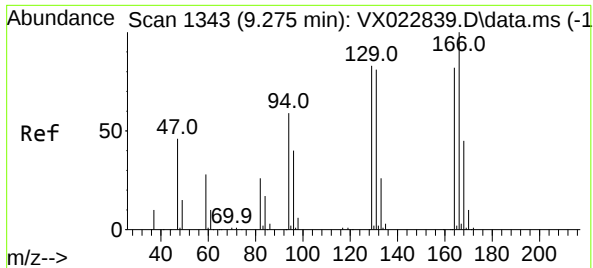
Tgt Ion: 95 Resp: 51163
Ion Ratio Lower Upper
95 100
174 63.0 0.0 154.6
176 60.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion: 117 Resp: 101387
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.2 26.6 39.8



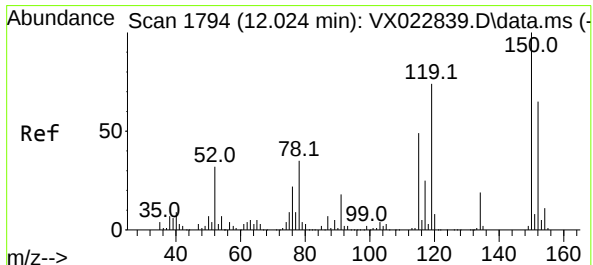
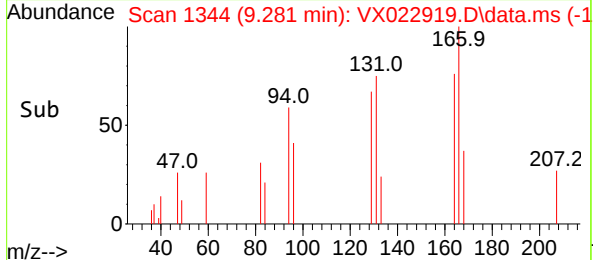
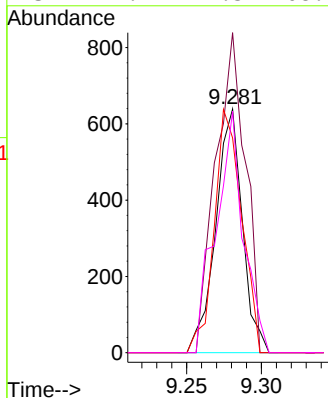
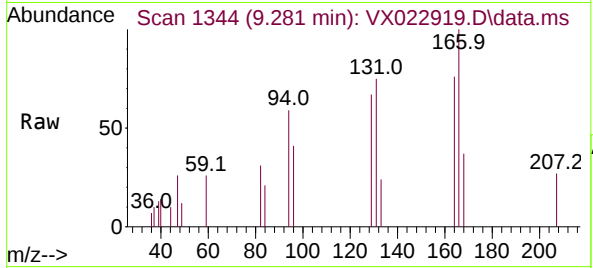


#64
Tetrachloroethene
Concen: 1.11 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

Tgt Ion:164 Resp: 793

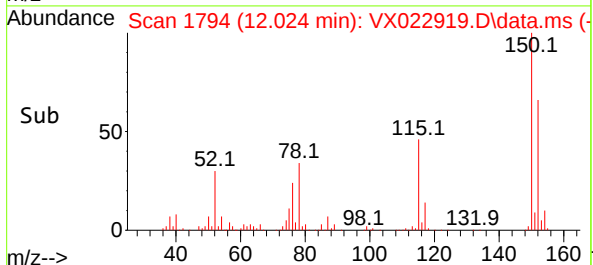
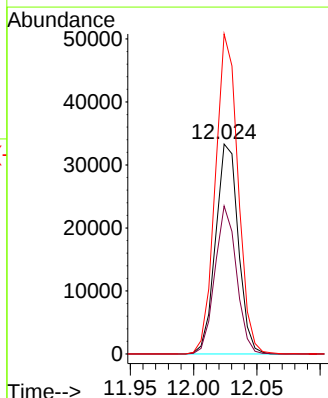
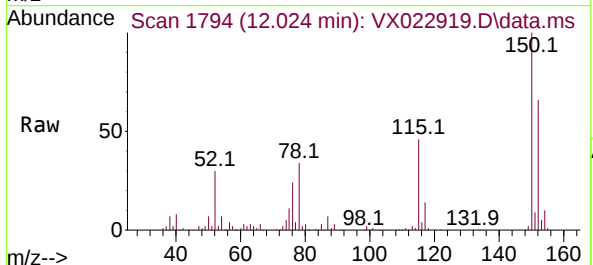
Ion	Ratio	Lower	Upper
164	100		
166	131.3	103.4	155.2
129	88.1	70.8	106.2
131	99.1	72.5	108.7

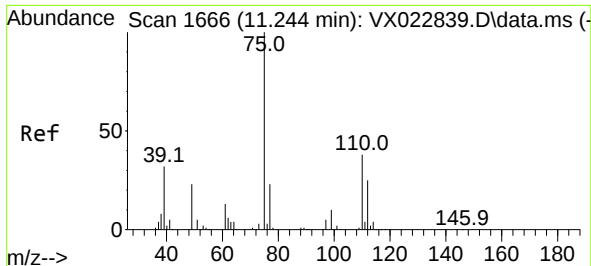


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Tgt Ion:152 Resp: 41508

Ion	Ratio	Lower	Upper
152	100		
115	67.0	41.1	123.3
150	152.1	0.0	349.0

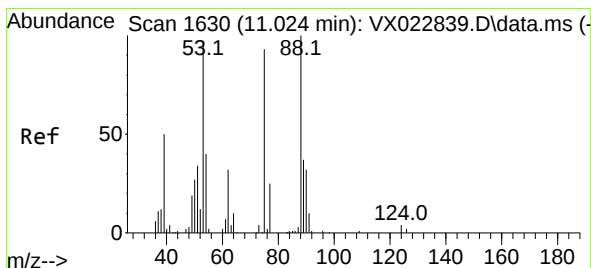
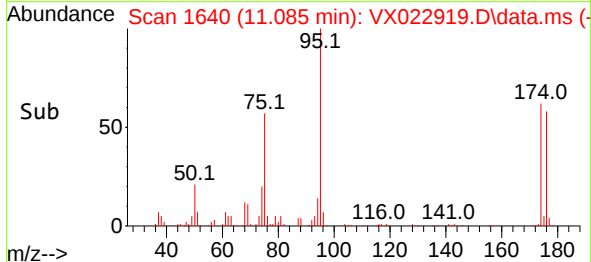
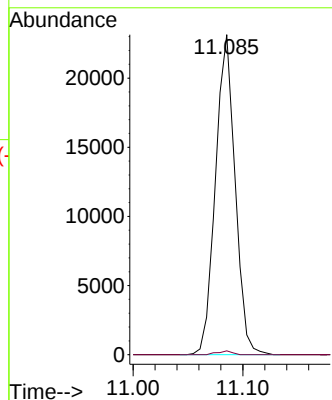
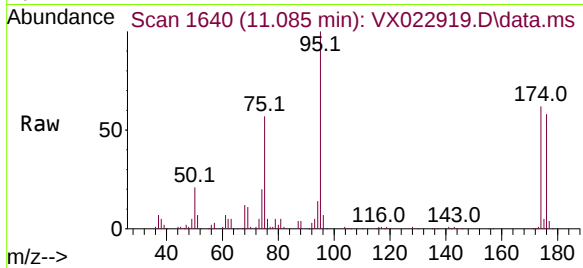




#76
1,2,3-Trichloropropane
Concen: 26.27 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

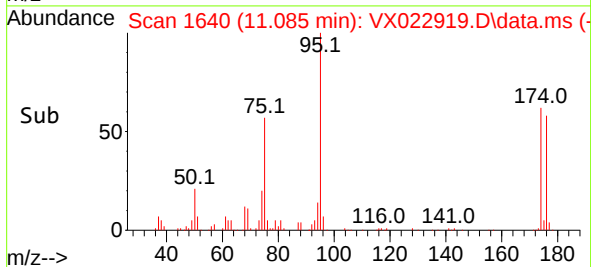
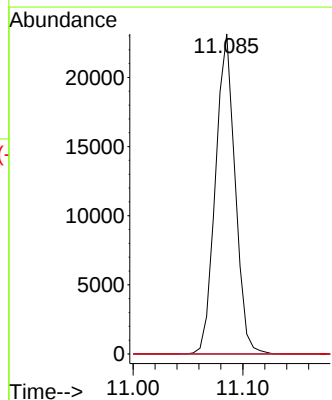
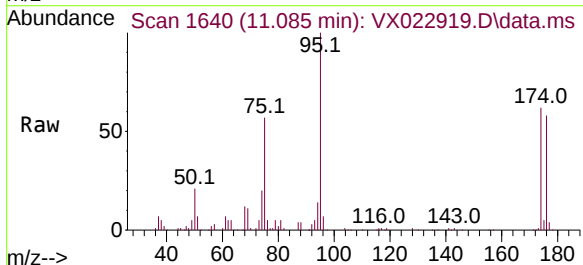
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622

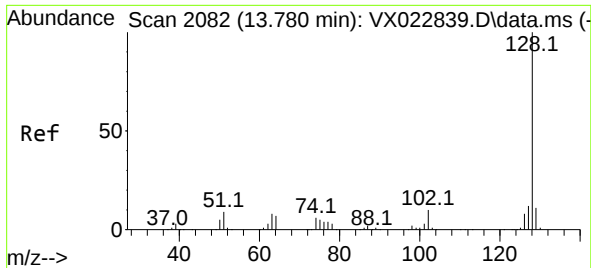
Tgt Ion: 75 Resp: 28798
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.22 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

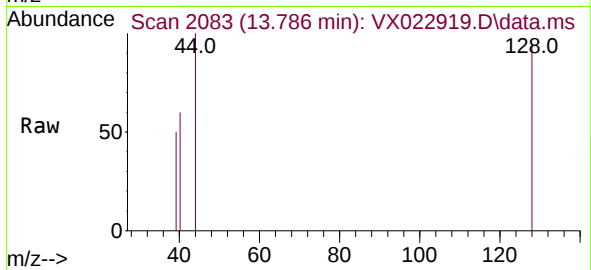
Tgt Ion: 75 Resp: 28798
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.97 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022919.D
Acq: 25 Jun 2021 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210622



Tgt Ion:128	Resp:	184
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.8 13.2#

