

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022935.D
 Acq On : 25 Jun 2021 19:58
 Operator : JC/MD
 Sample : M2838-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20210622

Quant Time: Jun 26 03:55:54 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)

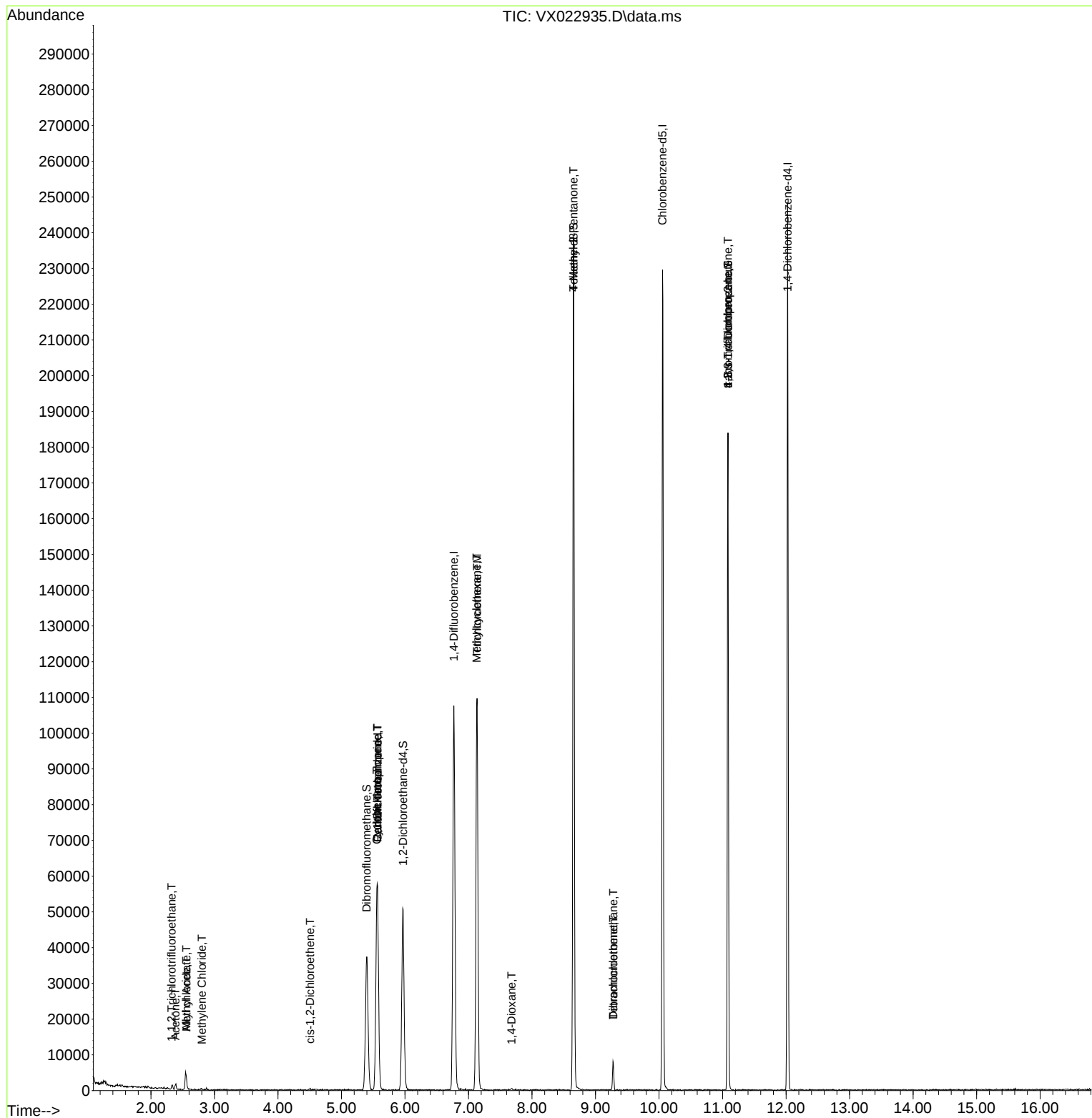
Internal Standards						
1) Pentafluorobenzene	5.568	168	48742	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.769	114	100511	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41993	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	45037	50.91	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	101.82%		
35) Dibromofluoromethane	5.397	113	31379	49.16	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.32%		
50) Toluene-d8	8.653	98	127955	51.15	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.30%		
62) 4-Bromofluorobenzene	11.085	95	48458	51.91	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.82%		
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	540	0.85	ug/l #	88
14) Allyl chloride	2.556	41	486	0.40	ug/l #	5
16) Acetone	2.386	43	1508	3.85	ug/l #	75
18) Methyl Acetate	2.556	43	1717	1.78	ug/l #	47
20) Methylene Chloride	2.800	84	49	0.43	ug/l #	61
27) cis-1,2-Dichloroethene	4.507	96	168	0.22	ug/l	67
31) Cyclohexane	5.556	56	1449	1.16	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	5208	4.88	ug/l #	48
38) Carbon Tetrachloride	5.568	117	5946	6.64	ug/l #	17
39) Methylcyclohexane	7.129	83	587	0.47	ug/l #	1
44) Trichloroethene	7.135	130	37559	51.45	ug/l	96
49) 1,4-Dioxane	7.677	88	335	16.91	ug/l #	74
51) 4-Methyl-2-Pentanone	8.653	43	688	0.56	ug/l #	1
60) Dibromochloromethane	9.281	129	1209	5.18	ug/l #	11
64) Tetrachloroethene	9.281	164	1247	1.82	ug/l #	82
76) 1,2,3-Trichloropropane	11.085	75	26411	23.81	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	26411	62.45	ug/l #	12

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

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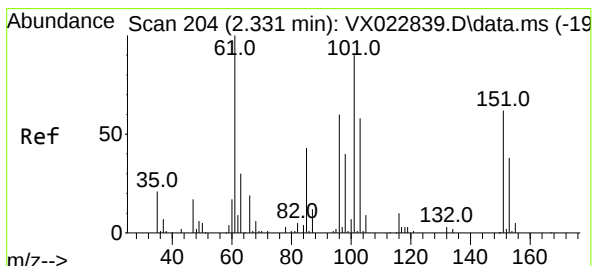
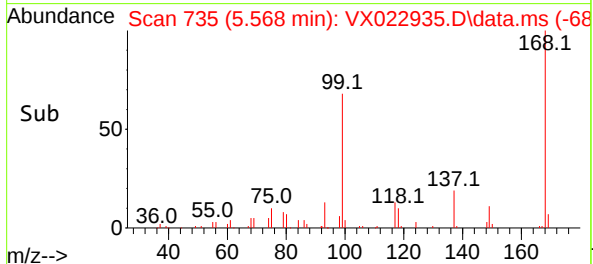
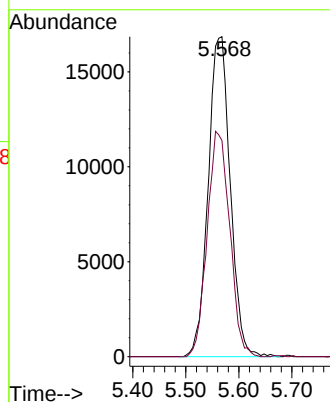
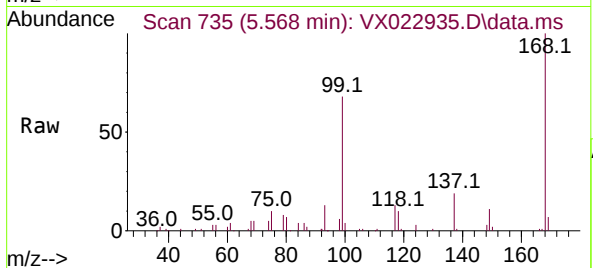




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

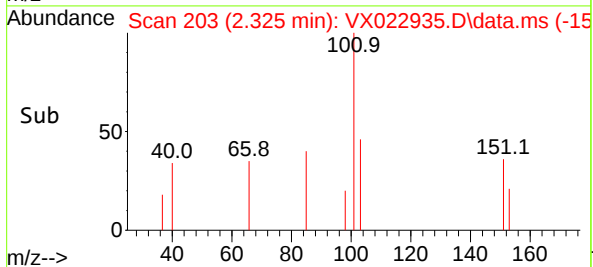
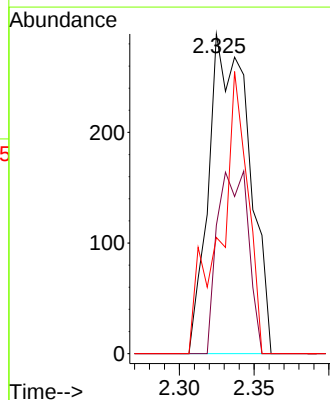
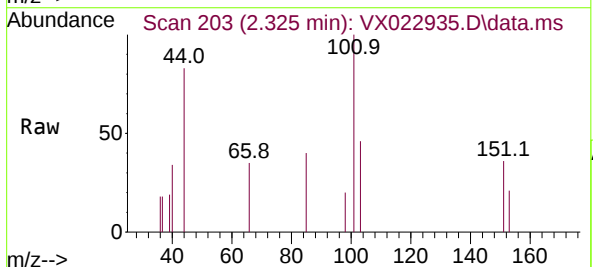
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

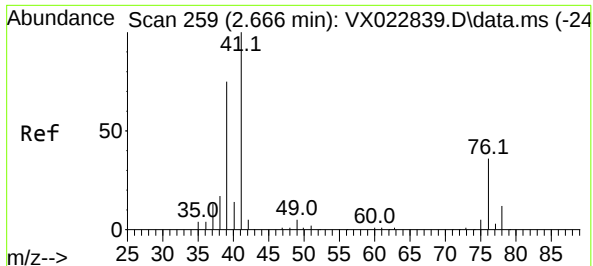
Tgt Ion:168 Resp: 48742
Ion Ratio Lower Upper
168 100
99 67.6 45.8 68.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.85 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Tgt Ion:101 Resp: 540
Ion Ratio Lower Upper
101 100
85 43.9 34.9 52.3
151 61.1 61.4 92.2#





#14

Allyl chloride

Concen: 0.40 ug/l

RT: 2.556 min Scan# 241

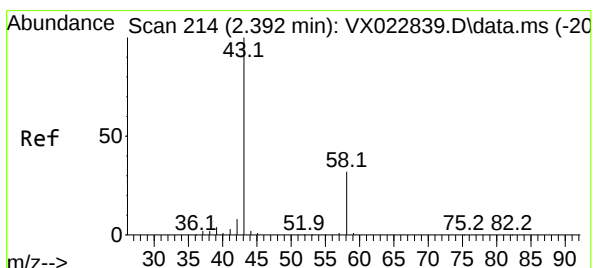
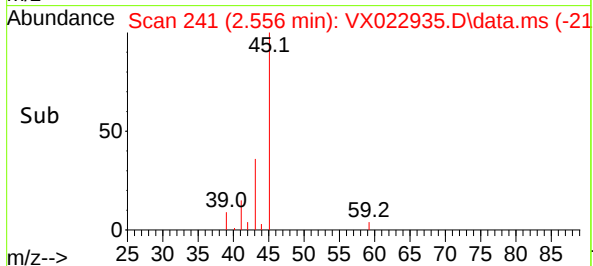
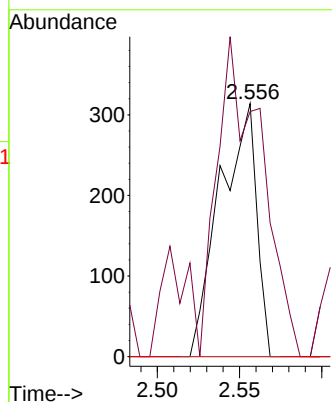
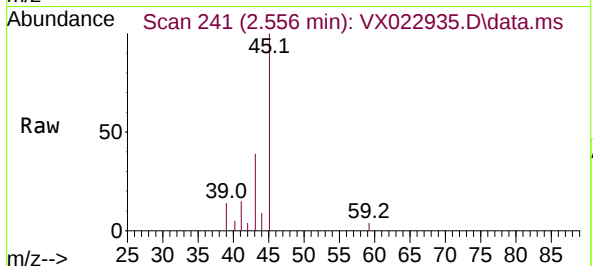
Delta R.T. -0.110 min

Lab File: VX022935.D

Acq: 25 Jun 2021 19:58

Tgt Ion:	41	Resp:	486
Ion	Ratio	Lower	Upper
41	100		
39	153.5	51.6	77.4#
76	0.0	30.5	45.7#

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622



#16

Acetone

Concen: 3.85 ug/l

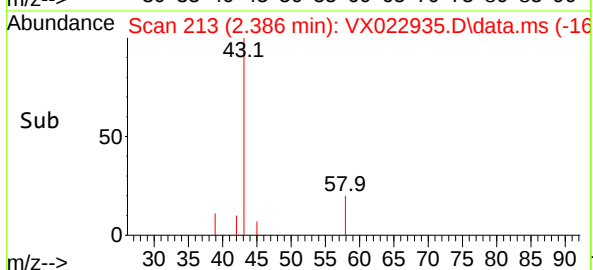
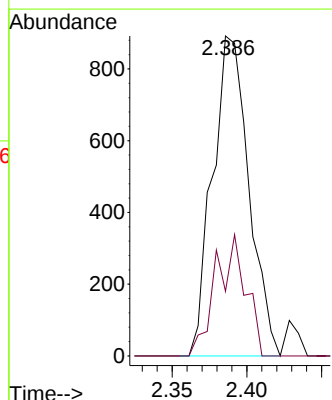
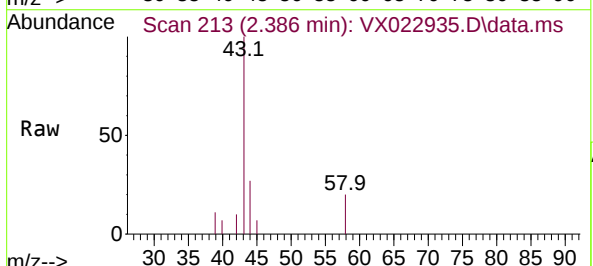
RT: 2.386 min Scan# 213

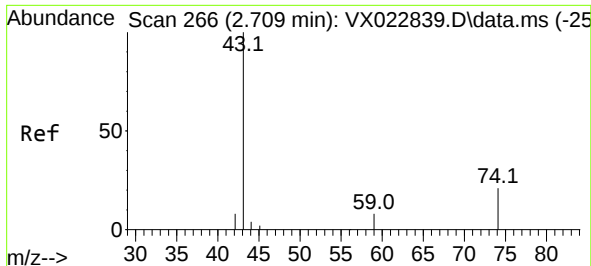
Delta R.T. -0.006 min

Lab File: VX022935.D

Acq: 25 Jun 2021 19:58

Tgt Ion:	43	Resp:	1508
Ion	Ratio	Lower	Upper
43	100		
58	20.2	27.8	41.8#





#18

Methyl Acetate

Concen: 1.78 ug/l

RT: 2.556 min Scan# 241

Delta R.T. -0.153 min

Lab File: VX022935.D

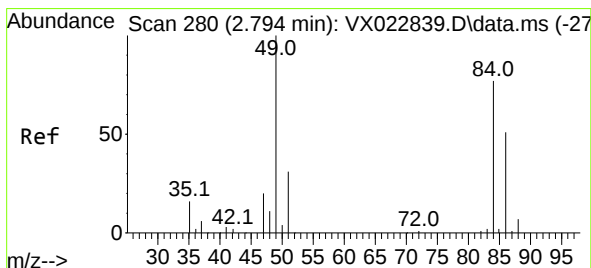
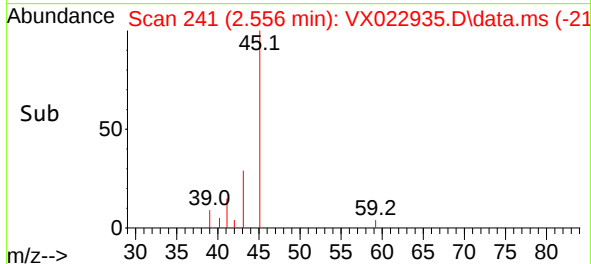
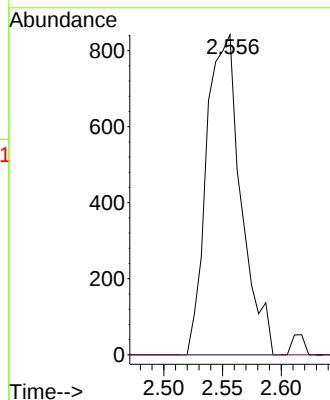
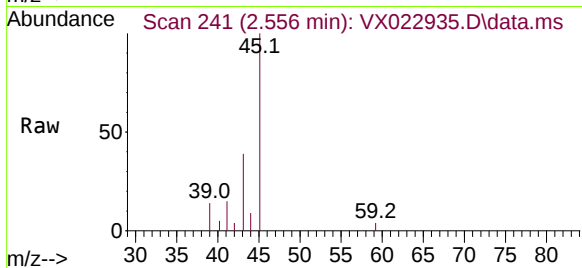
Acq: 25 Jun 2021 19:58

Tgt Ion: 43 Resp: 1717

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX022935.D

Acq: 25 Jun 2021 19:58

Tgt Ion: 84 Resp: 49

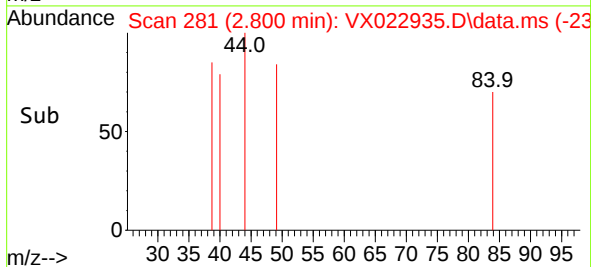
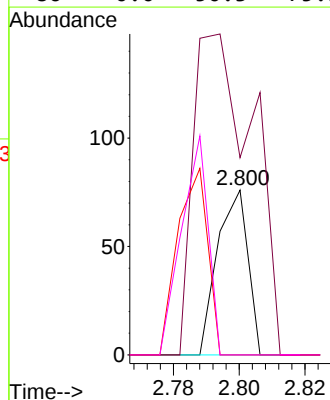
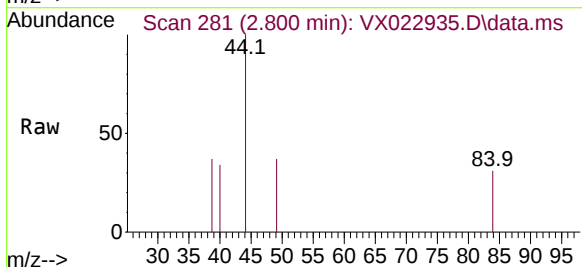
Ion Ratio Lower Upper

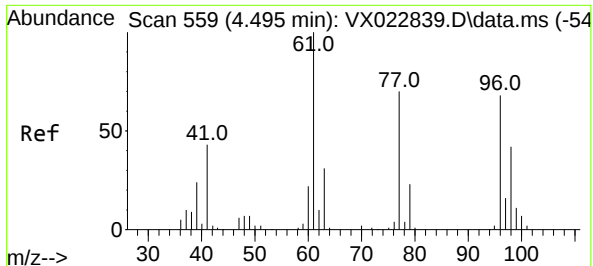
84 100

49 119.7 88.6 132.8

51 0.0 27.0 40.6#

86 0.0 50.3 75.5#





#27

cis-1,2-Dichloroethene

Concen: 0.22 ug/l

RT: 4.507 min Scan# 561

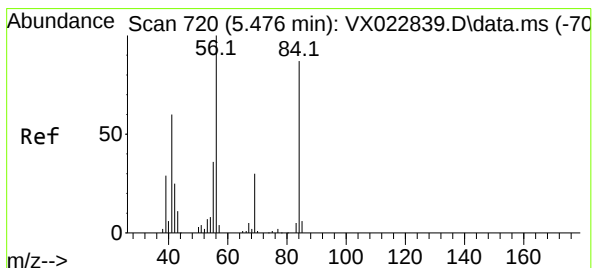
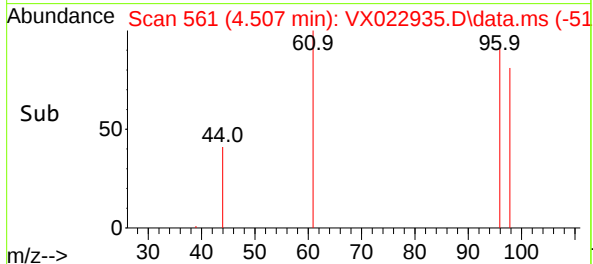
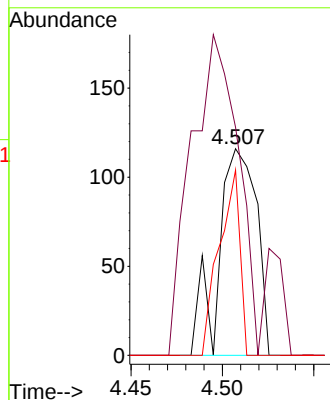
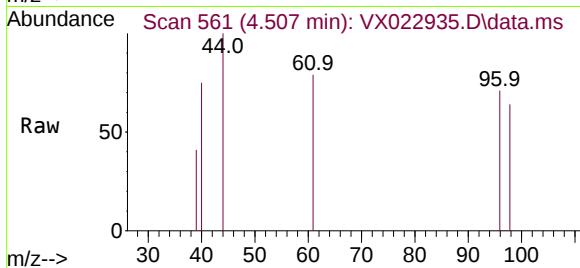
Delta R.T. 0.012 min

Lab File: VX022935.D

Acq: 25 Jun 2021 19:58

Tgt Ion: 96 Resp: 168

Ion	Ratio	Lower	Upper
96	100		
61	191.1	0.0	285.6
98	48.8	0.0	129.6



#31

Cyclohexane

Concen: 1.16 ug/l

RT: 5.556 min Scan# 733

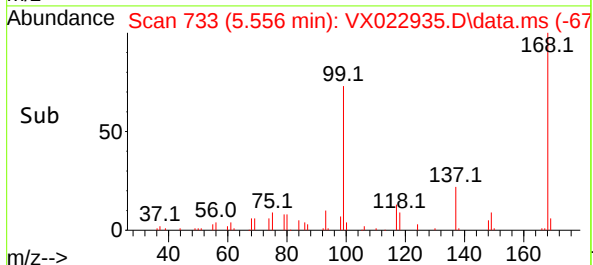
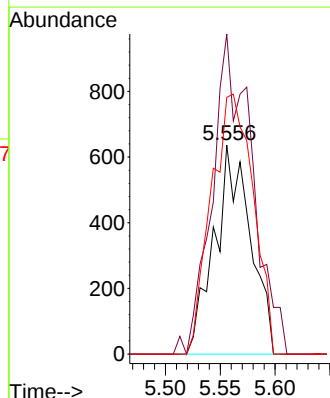
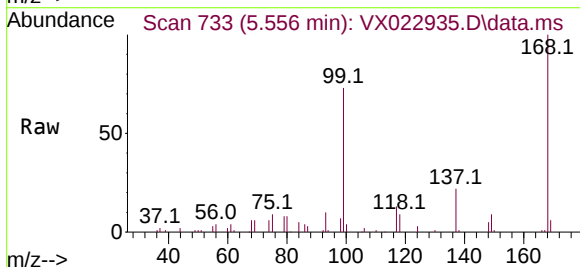
Delta R.T. 0.080 min

Lab File: VX022935.D

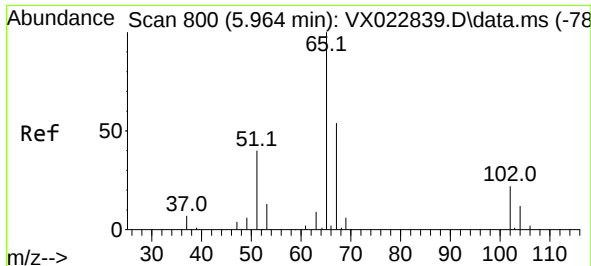
Acq: 25 Jun 2021 19:58

Tgt Ion: 56 Resp: 1449

Ion	Ratio	Lower	Upper
56	100		
69	144.6	25.3	37.9#
84	122.8	71.4	107.0#



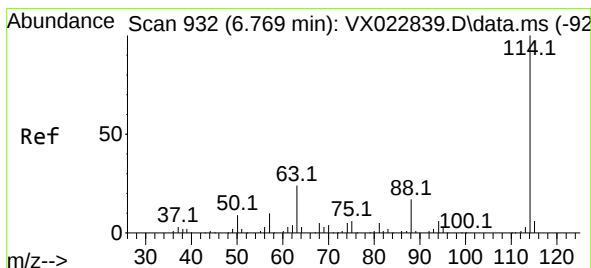
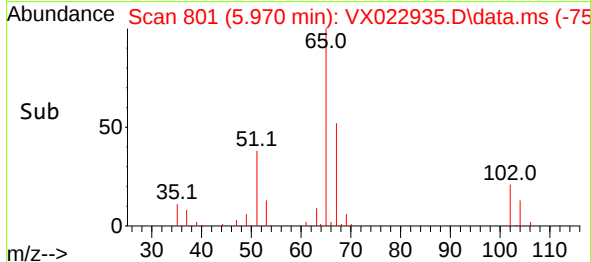
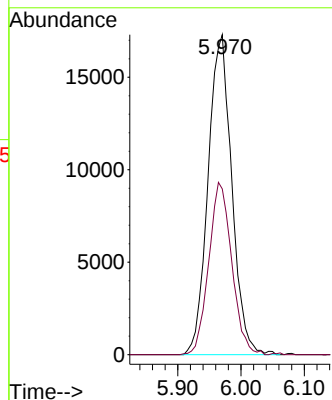
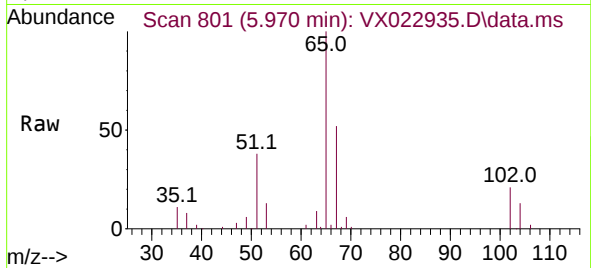
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622



#33
1,2-Dichloroethane-d4
Concen: 50.91 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

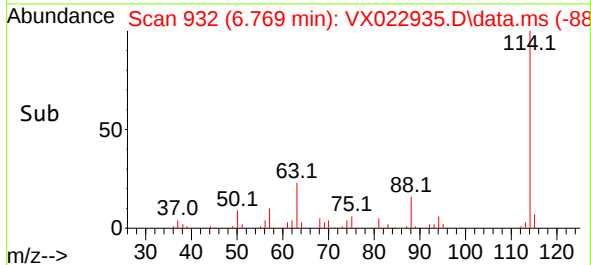
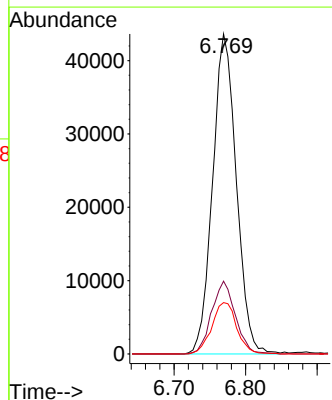
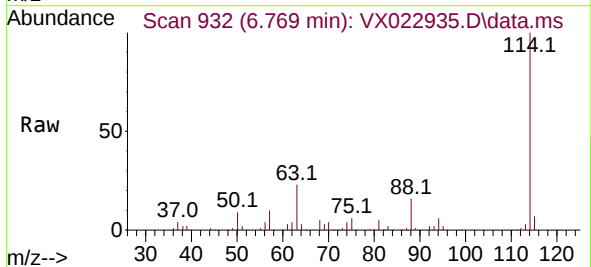
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

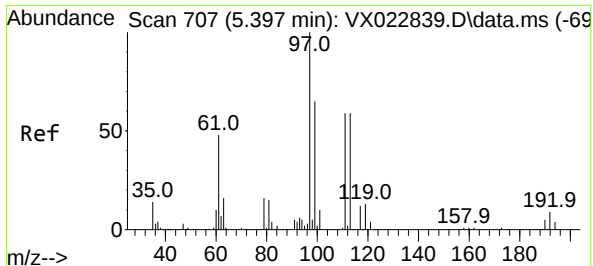
Tgt Ion: 65 Resp: 45037
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Tgt Ion: 114 Resp: 100511
Ion Ratio Lower Upper
114 100
63 22.7 0.0 40.8
88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.16 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022935.D

Acq: 25 Jun 2021 19:58

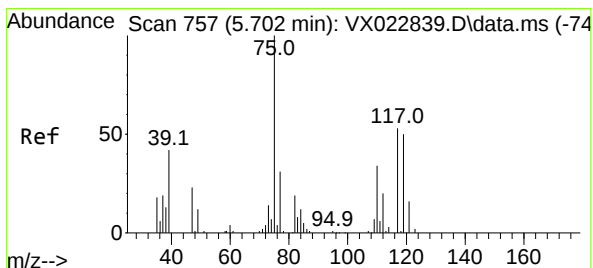
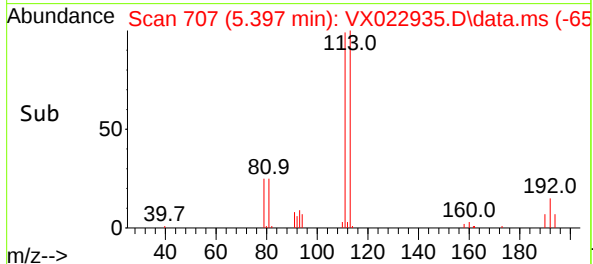
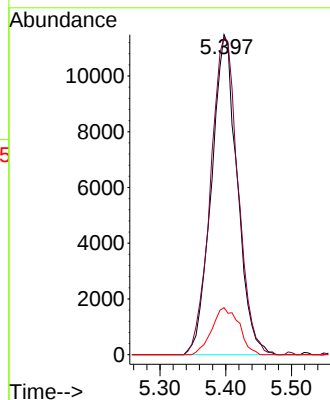
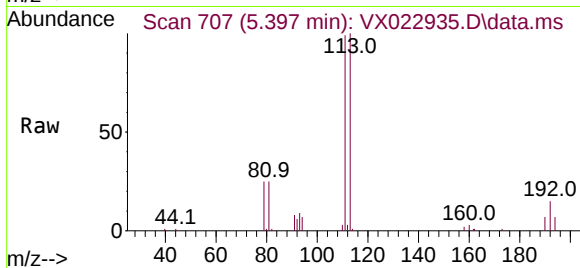
Tgt Ion:113 Resp: 31379

Ion Ratio Lower Upper

113 100

111 105.3 81.9 122.9

192 15.5 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022935.D

Acq: 25 Jun 2021 19:58

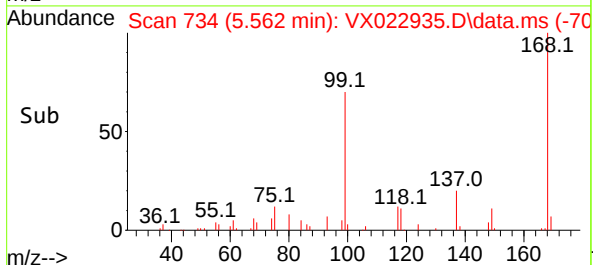
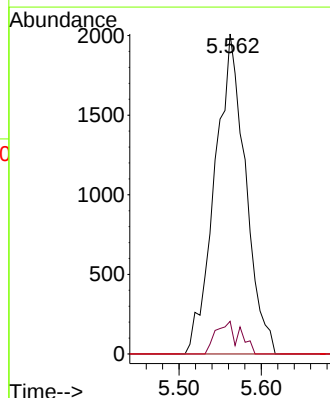
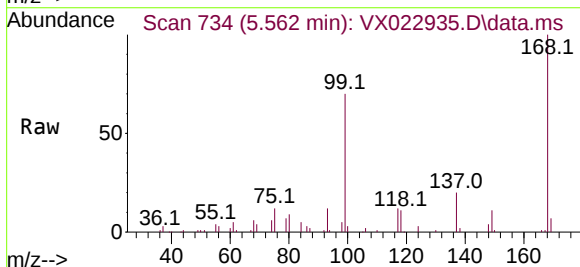
Tgt Ion: 75 Resp: 5208

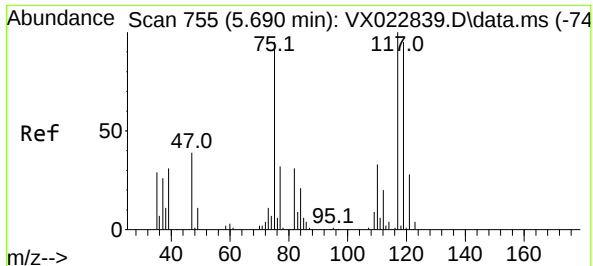
Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.4#

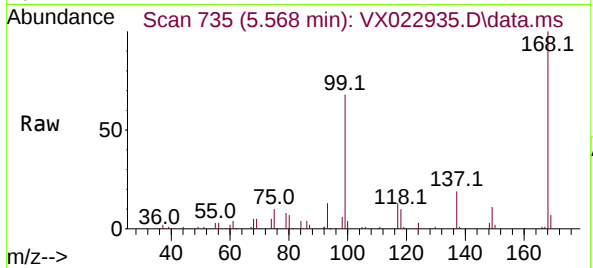
77 0.0 25.3 37.9#



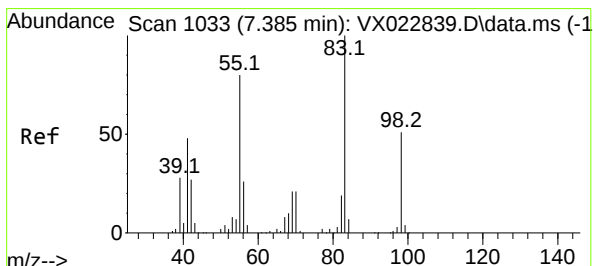
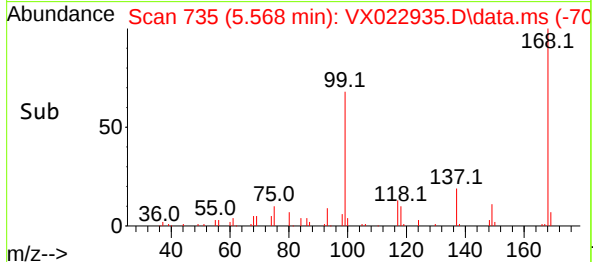
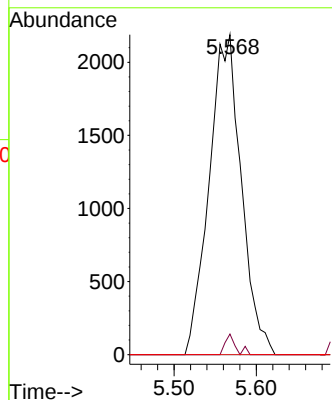


#38
Carbon Tetrachloride
Concen: 6.64 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

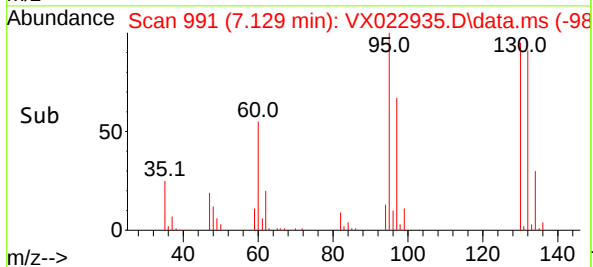
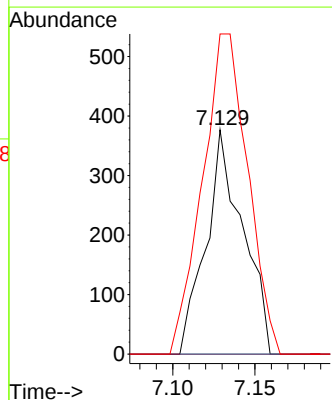
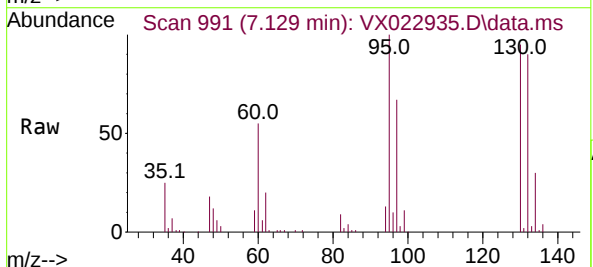


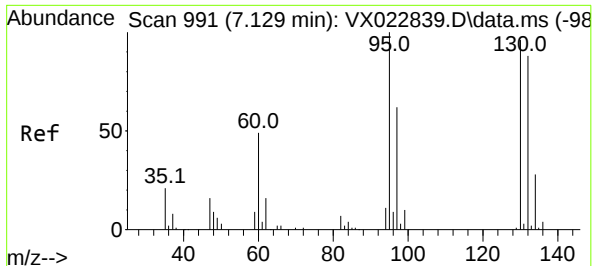
Tgt Ion:117 Resp: 5946
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.47 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Tgt Ion: 83 Resp: 587
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 142.7 38.1 57.1#

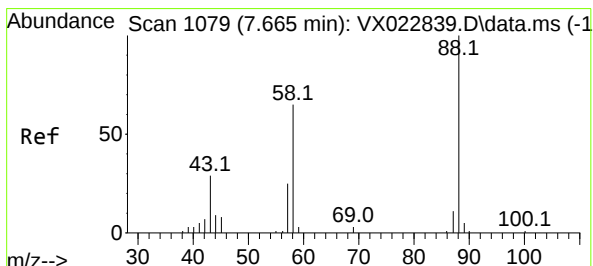
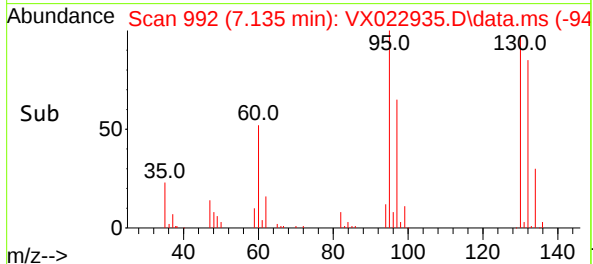
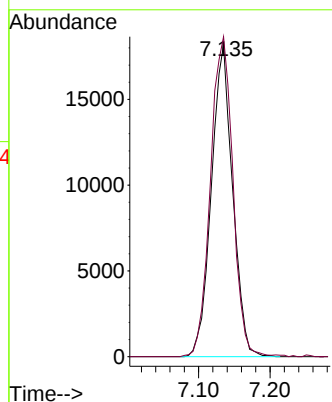
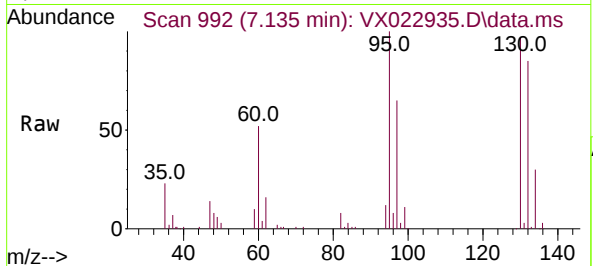




#44
Trichloroethene
Concen: 51.45 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

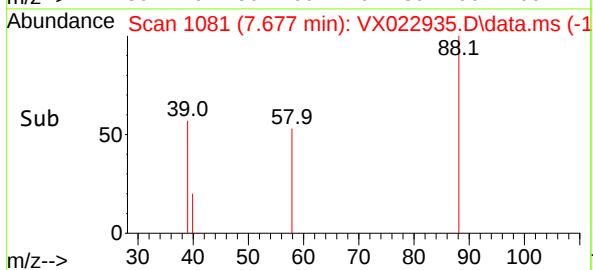
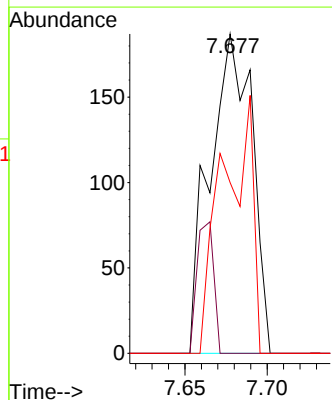
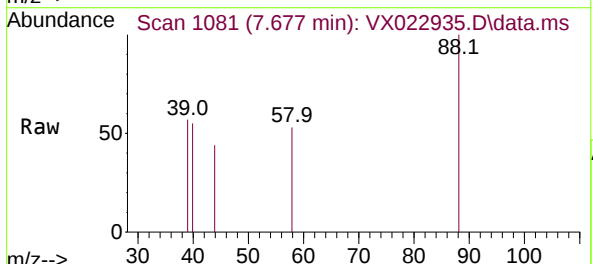
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

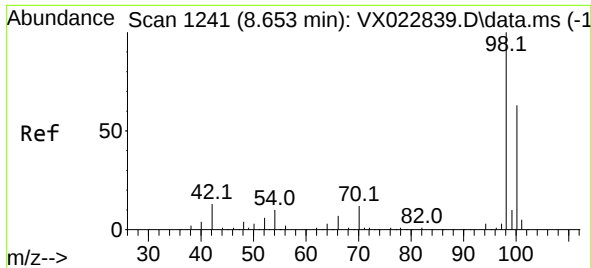
Tgt Ion:130 Resp: 37559
Ion Ratio Lower Upper
130 100
95 102.6 0.0 198.0



#49
1,4-Dioxane
Concen: 16.91 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Tgt Ion: 88 Resp: 335
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 57.6 55.0 82.4

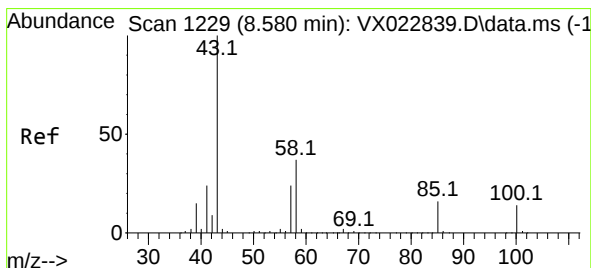
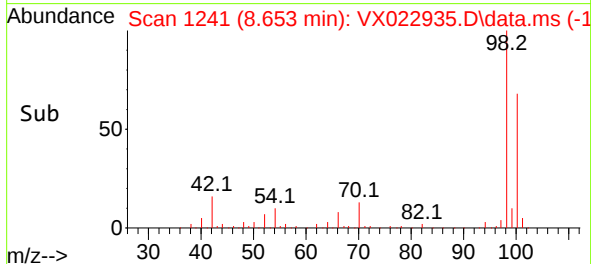
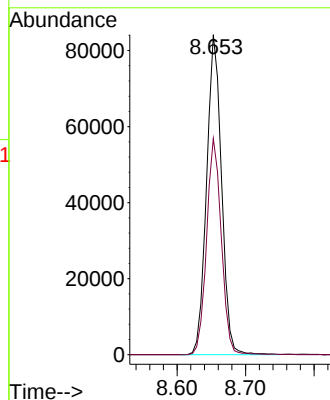
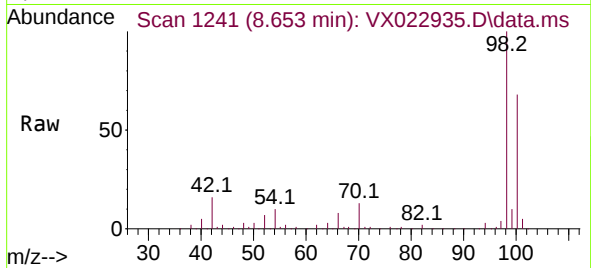




#50
Toluene-d8
Concen: 51.15 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

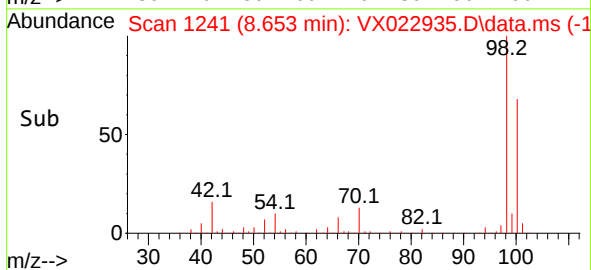
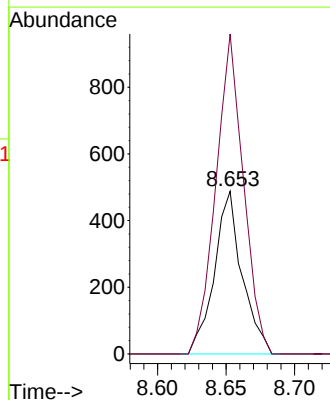
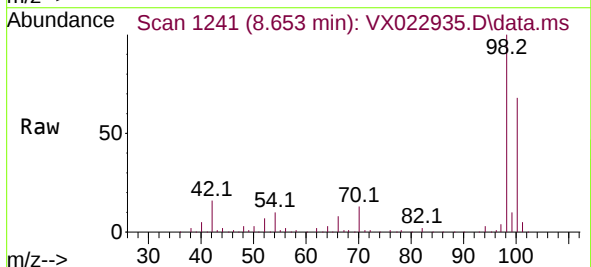
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

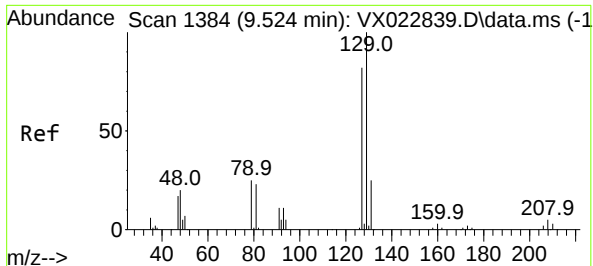
Tgt Ion: 98 Resp: 127955
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
58 195.6 35.4 53.0#

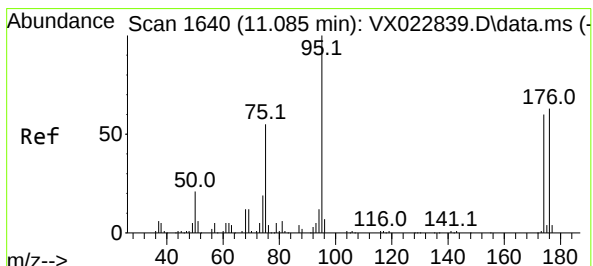
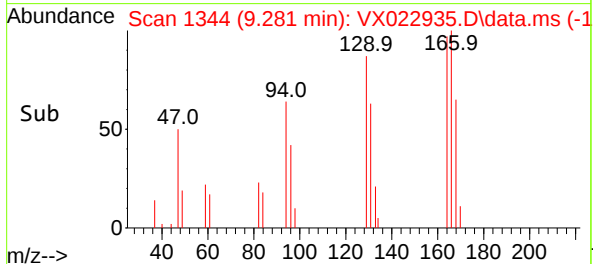
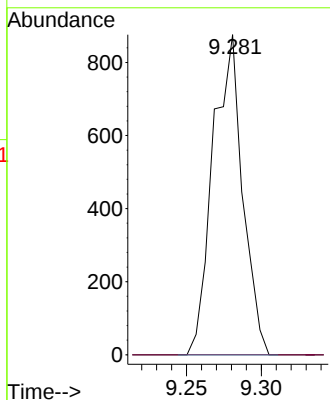
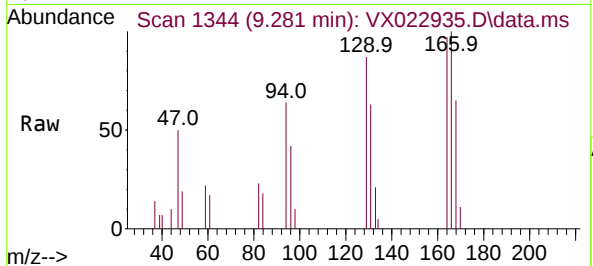




#60
Dibromochloromethane
Concen: 5.18 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.243 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

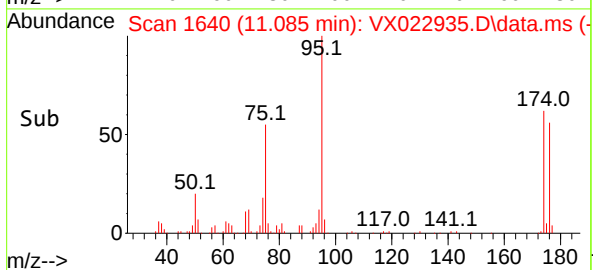
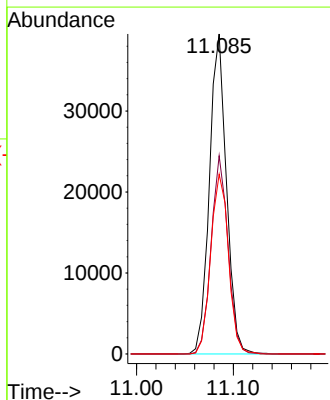
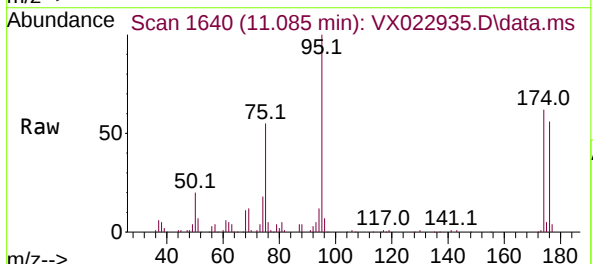
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

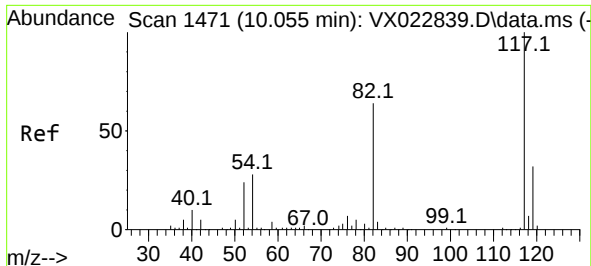
Tgt Ion:129 Resp: 1209
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 51.91 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Tgt Ion: 95 Resp: 48458
Ion Ratio Lower Upper
95 100
174 61.4 0.0 154.6
176 58.4 0.0 155.8

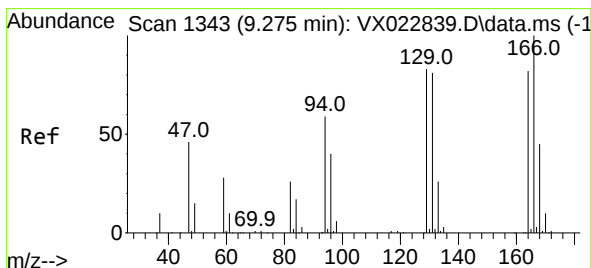
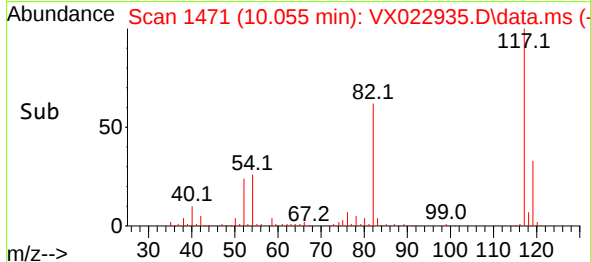
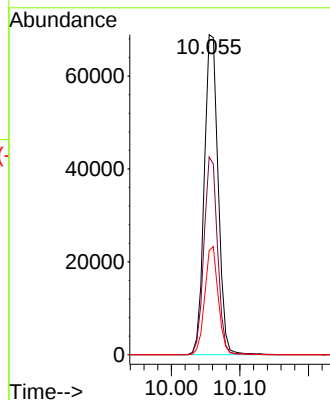
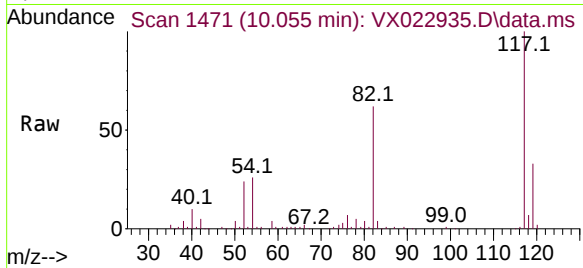




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

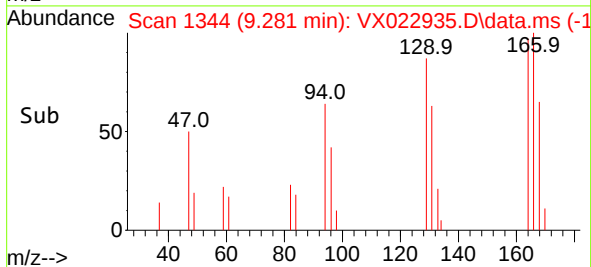
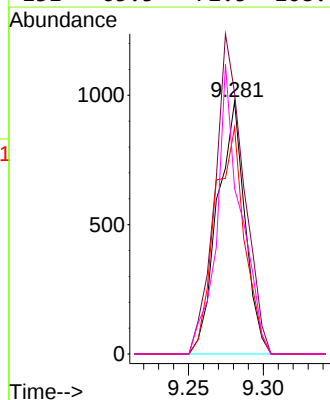
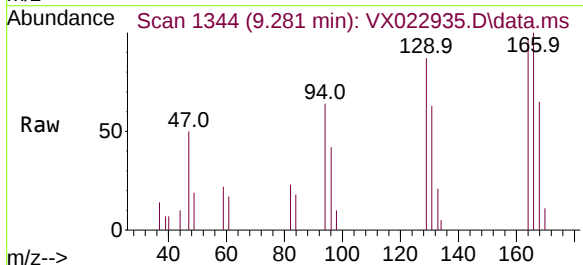
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

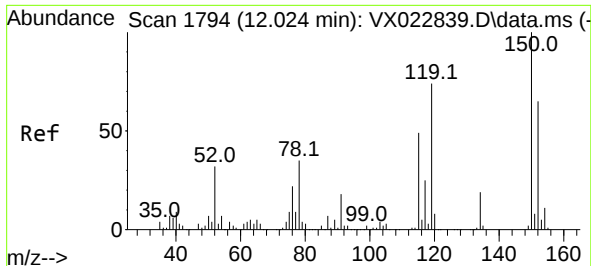
Tgt Ion:117 Resp: 97308
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 1.82 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

Tgt Ion:164 Resp: 1247
Ion Ratio Lower Upper
164 100
166 103.4 103.4 155.2#
129 89.8 70.8 106.2
131 65.5 72.5 108.7#

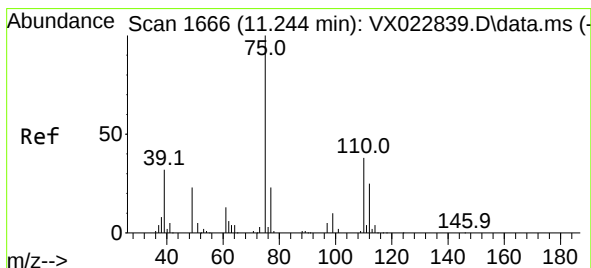
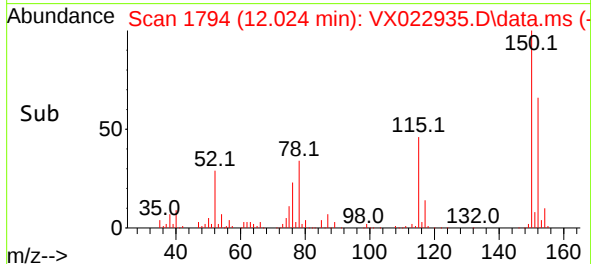
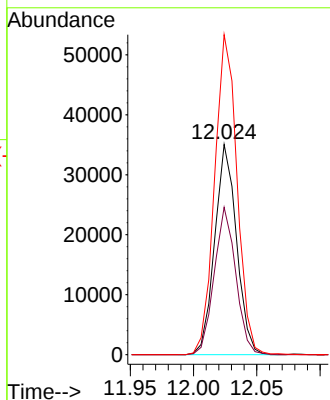
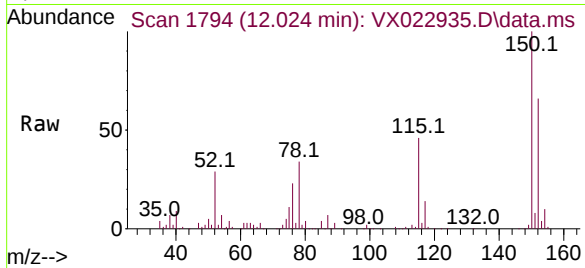




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

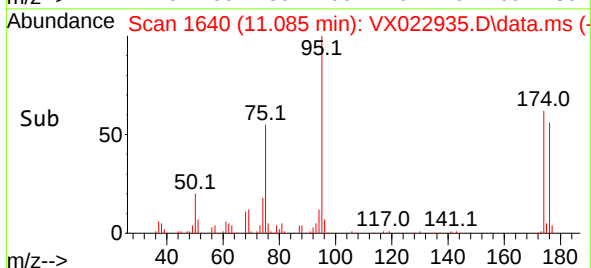
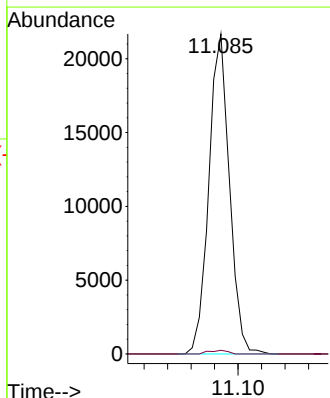
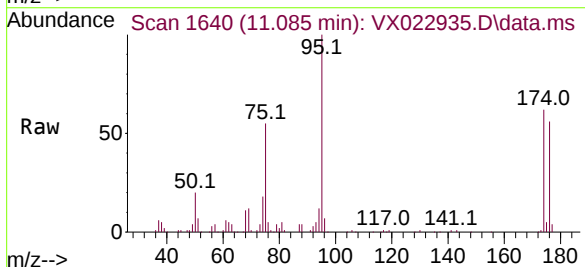
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20210622

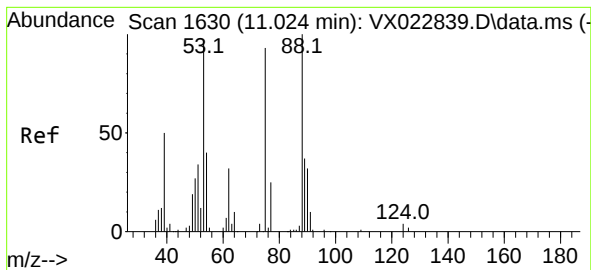
Tgt Ion:152 Resp: 41993
Ion Ratio Lower Upper
152 100
115 69.2 41.1 123.3
150 156.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 23.81 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022935.D
Acq: 25 Jun 2021 19:58

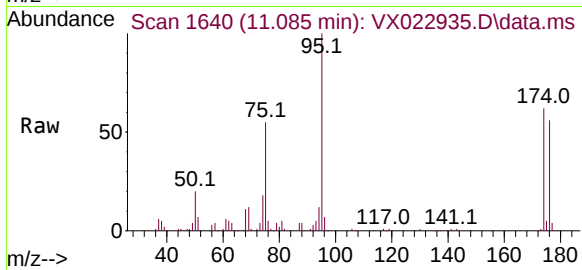
Tgt Ion: 75 Resp: 26411
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.45 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022935.D
 Acq: 25 Jun 2021 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20210622



Tgt Ion: 75 Resp: 26411
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

