

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042321\
 Data File : VX021841.D
 Acq On : 23 Apr 2021 14:51
 Operator : JC/MD
 Sample : M2134-01DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210421084-02-VOADL

Quant Time: Apr 26 04:03:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

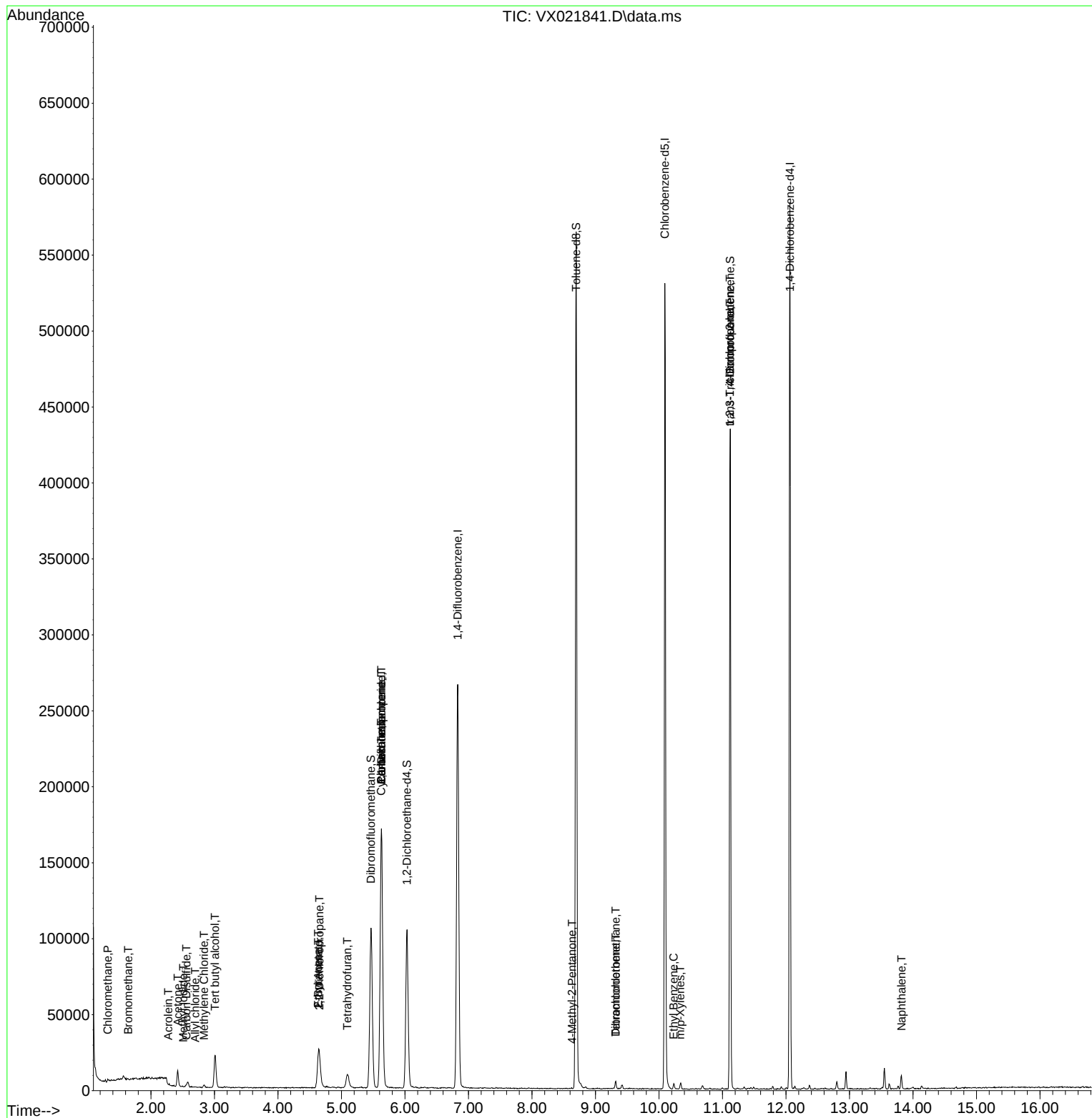
Internal Standards						
1) Pentafluorobenzene	5.629	168	173848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	293588	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	263935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	127526	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	97575	49.48	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.96%		
35) Dibromofluoromethane	5.465	113	93241	49.66	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.32%		
50) Toluene-d8	8.696	98	347238	48.10	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.20%		
62) 4-Bromofluorobenzene	11.122	95	124486	46.18	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.36%		
Target Compounds					Qvalue	
3) Chloromethane	1.319	50	1067	0.78	ug/l	99
5) Bromomethane	1.642	94	278	0.32	ug/l #	27
10) Methyl Iodide	2.508	142	253	8.31	ug/l #	62
11) Tert butyl alcohol	3.008	59	28211	65.32	ug/l	96
13) Acrolein	2.270	56	188	0.54	ug/l #	14
14) Allyl chloride	2.697	41	577	0.22	ug/l #	32
16) Acetone	2.422	43	10975	16.19	ug/l	95
17) Carbon Disulfide	2.557	76	1296	0.28	ug/l #	82
20) Methylene Chloride	2.837	84	679	0.33	ug/l #	85
25) 2-Butanone	4.635	43	21018	18.31	ug/l	98
26) 2,2-Dichloropropane	4.654	77	1448	0.49	ug/l #	52
29) Tetrahydrofuran	5.093	42	5989	8.02	ug/l	93
31) Cyclohexane	5.623	56	3031	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	11591	4.47	ug/l #	49
37) Ethyl Acetate	4.635	43	21018	8.63	ug/l #	69
38) Carbon Tetrachloride	5.629	117	16036	5.65	ug/l #	17
51) 4-Methyl-2-Pentanone	8.629	43	574	0.23	ug/l #	32
60) Dibromochloromethane	9.318	129	912	0.36	ug/l #	11
64) Tetrachloroethene	9.318	164	911	0.44	ug/l #	86
67) Ethyl Benzene	10.232	91	2257	0.24	ug/l	91
68) m/p-Xylenes	10.336	106	966	0.26	ug/l	96
76) 1,2,3-Trichloropropane	11.116	75	56075	22.17	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.116	75	56075	50.99	ug/l #	12
95) Naphthalene	13.817	128	6159	0.72	ug/l	100

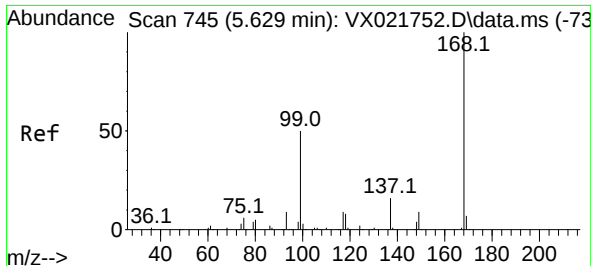
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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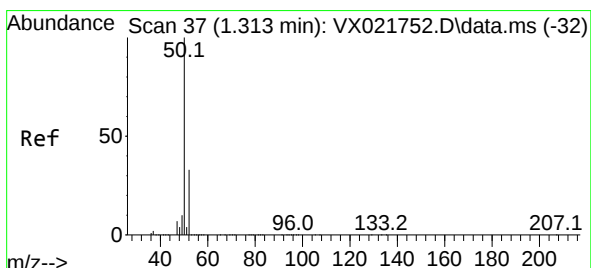
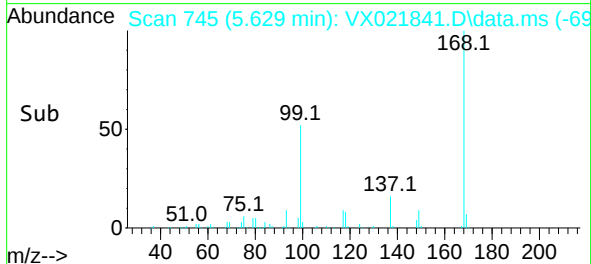
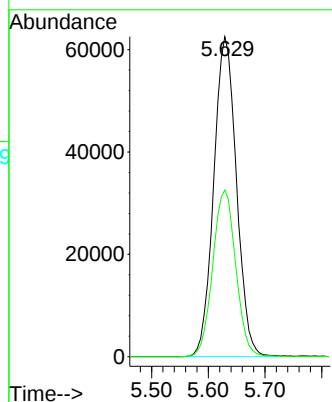
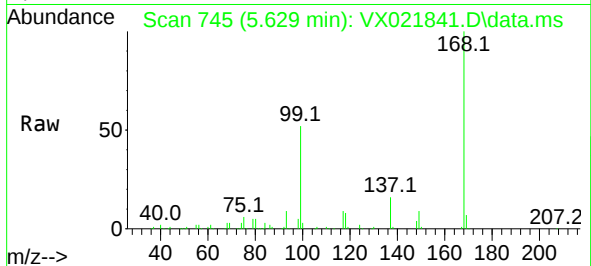




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

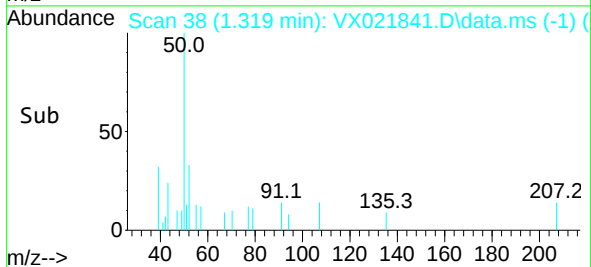
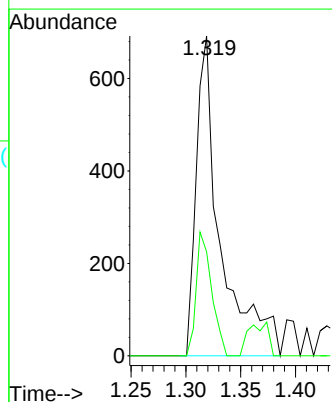
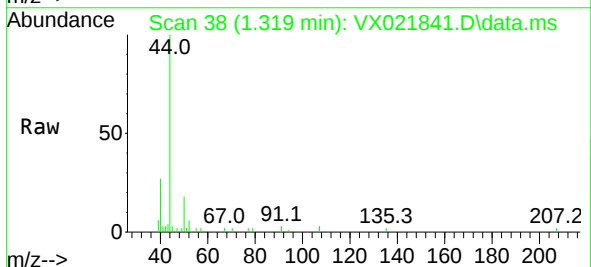
Instrument :
MSVOA_X
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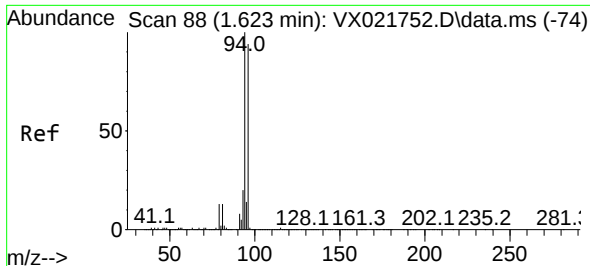
Tgt Ion:168 Resp: 173848
Ion Ratio Lower Upper
168 100
99 52.1 45.8 68.6



#3
Chloromethane
Concen: 0.78 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 50 Resp: 1067
Ion Ratio Lower Upper
50 100
52 32.5 26.4 39.6

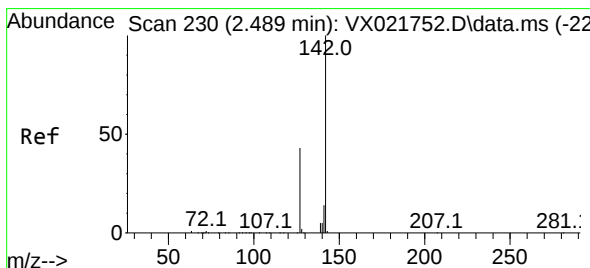
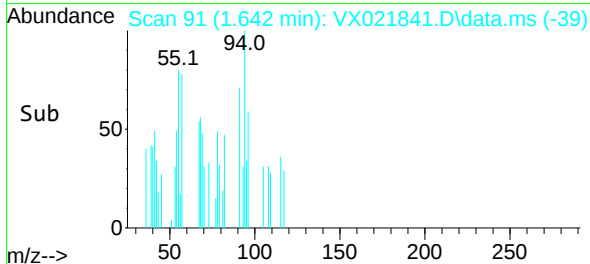
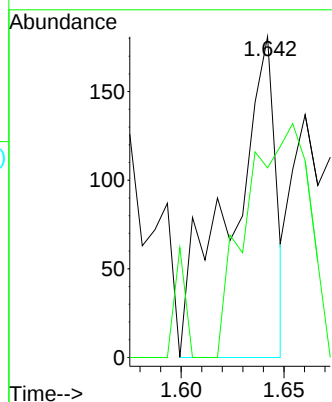
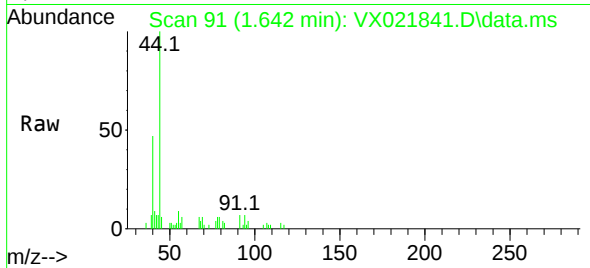




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.019 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

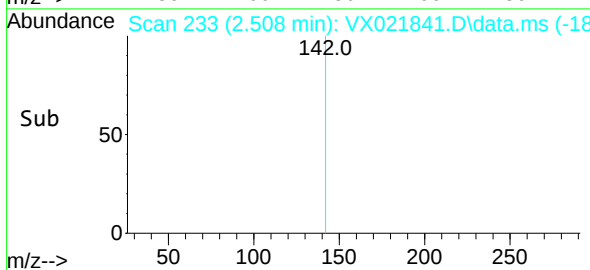
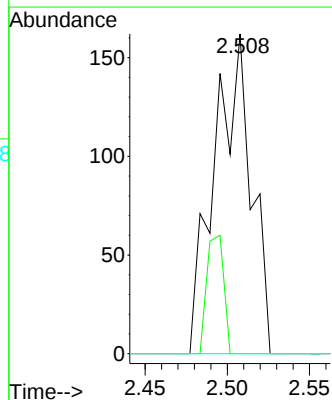
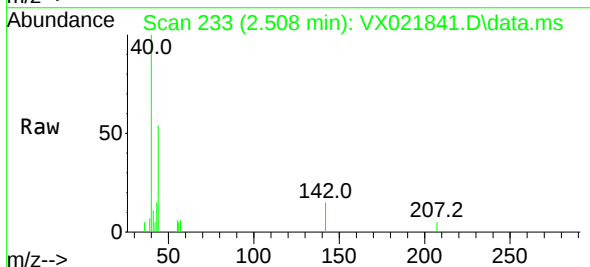
Instrument :
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ClientSampleId :
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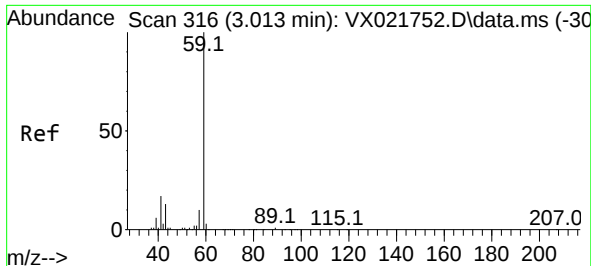
Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 24.9 76.4 114.6#



#10
Methyl Iodide
Concen: 8.31 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.019 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 142 Resp: 253
Ion Ratio Lower Upper
142 100
127 17.0 33.3 49.9#
141 0.0 11.4 17.0#

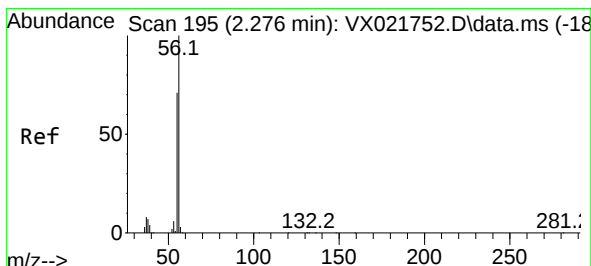
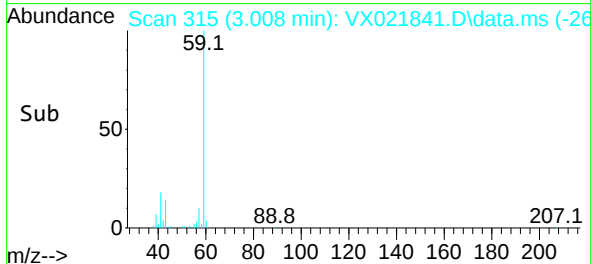
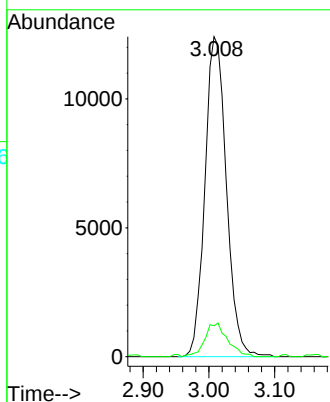
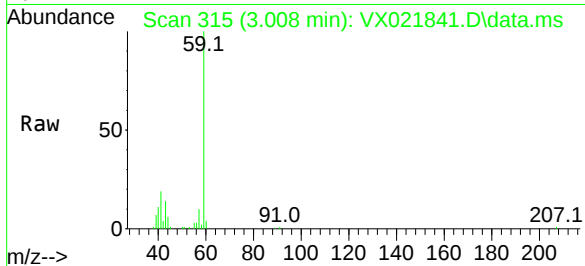




#11
Tert butyl alcohol
Concen: 65.32 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.005 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

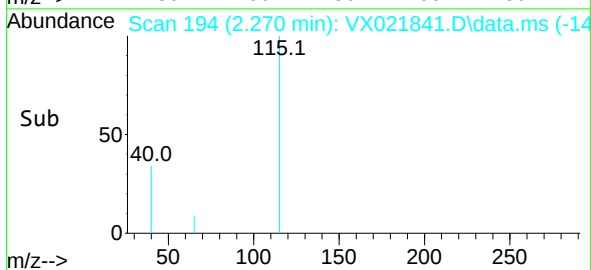
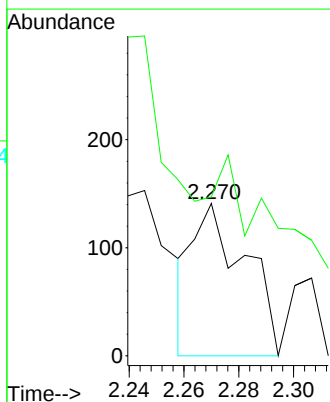
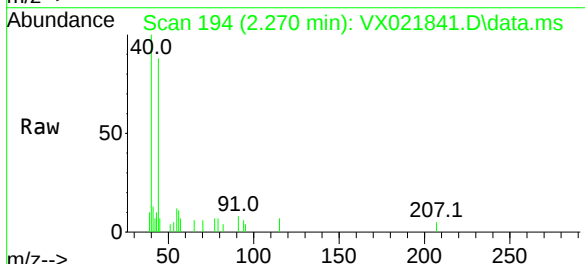
Instrument :
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ClientSampleId :
210421084-02-VOADL

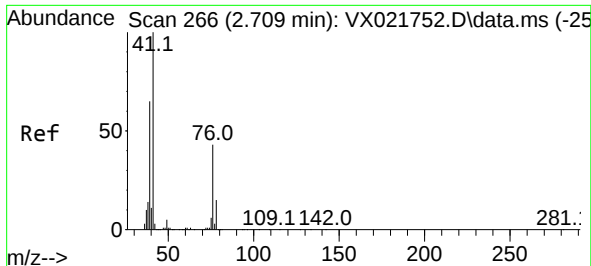
Tgt Ion: 59 Resp: 28211
Ion Ratio Lower Upper
59 100
57 11.2 7.8 11.8



#13
Acrolein
Concen: 0.54 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.006 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

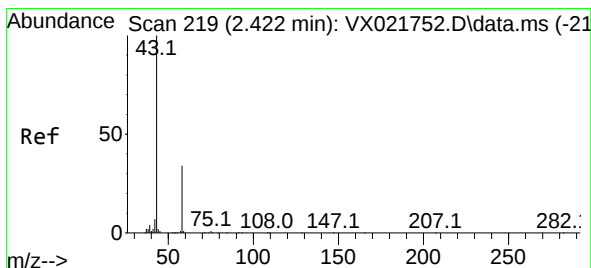
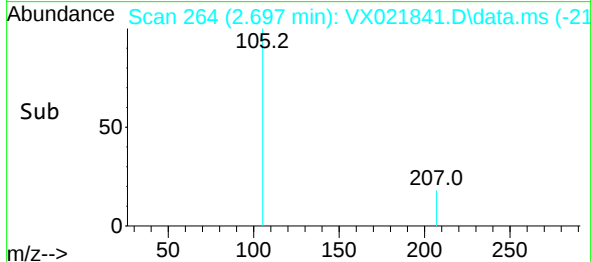
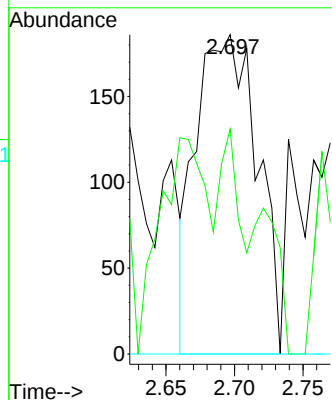
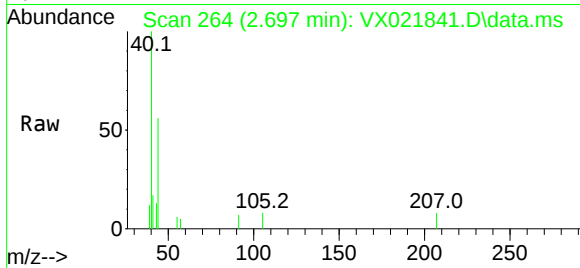




#14
 Allyl chloride
 Concen: 0.22 ug/l
 RT: 2.697 min Scan# 264
 Delta R.T. -0.012 min
 Lab File: VX021841.D
 Acq: 23 Apr 2021 14:51

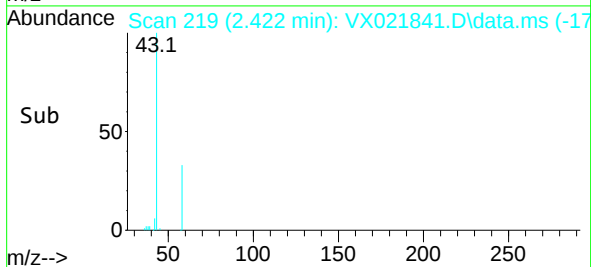
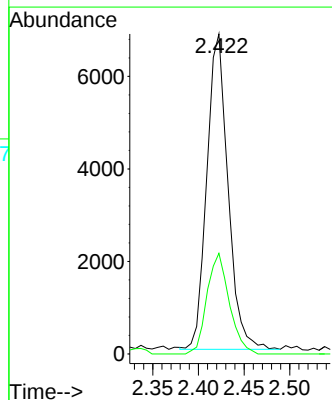
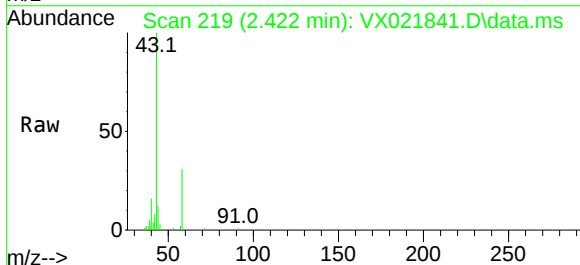
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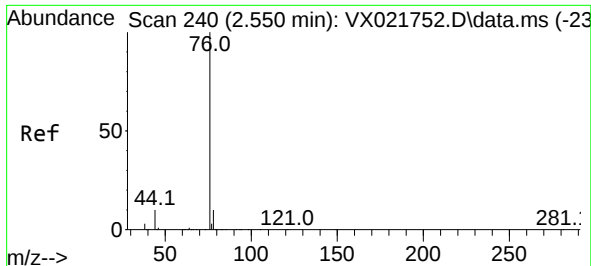
Tgt Ion: 41 Resp: 577
 Ion Ratio Lower Upper
 41 100
 39 9.2 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 16.19 ug/l
 RT: 2.422 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VX021841.D
 Acq: 23 Apr 2021 14:51

Tgt Ion: 43 Resp: 10975
 Ion Ratio Lower Upper
 43 100
 58 31.9 27.8 41.8

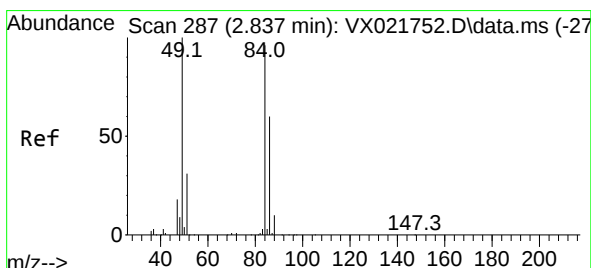
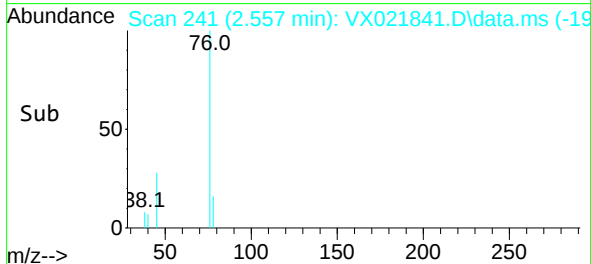
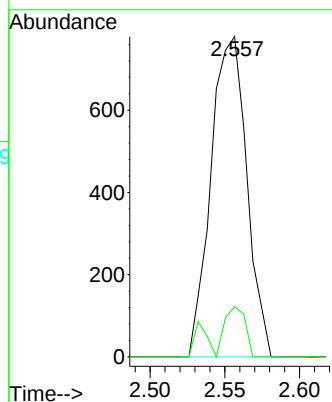
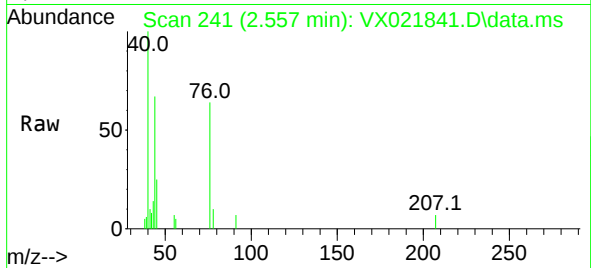




#17
Carbon Disulfide
Concen: 0.28 ug/l
RT: 2.557 min Scan# 241
Delta R.T. 0.007 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

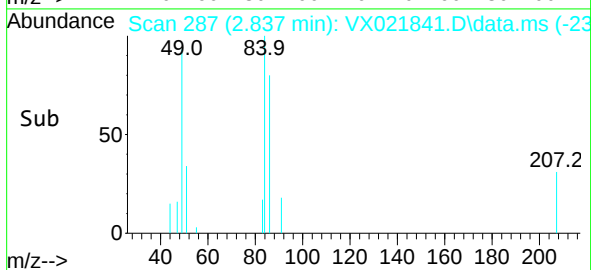
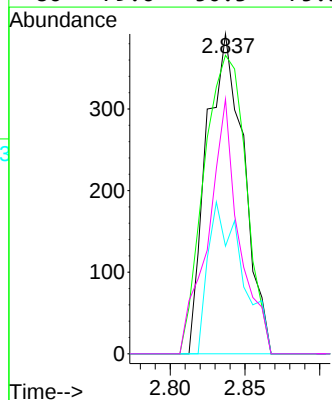
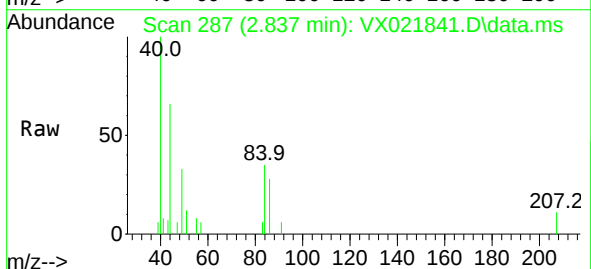
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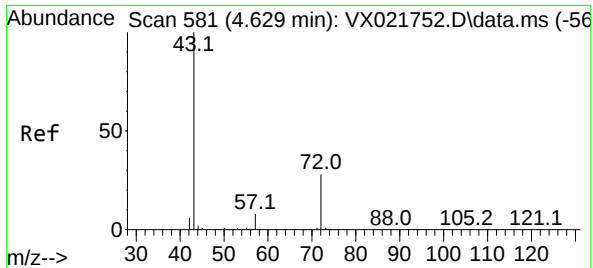
Tgt Ion: 76 Resp: 1296
Ion Ratio Lower Upper
76 100
78 15.7 7.2 10.8#



#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.837 min Scan# 287
Delta R.T. -0.000 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
49 93.4 88.6 132.8
51 33.7 27.0 40.6
86 79.6 50.3 75.5#

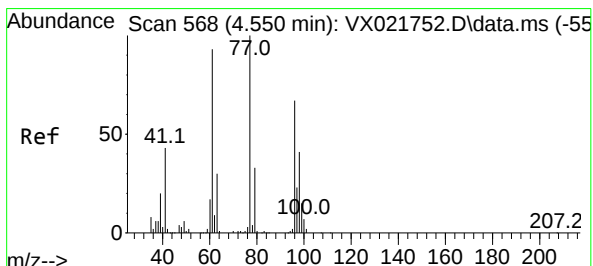
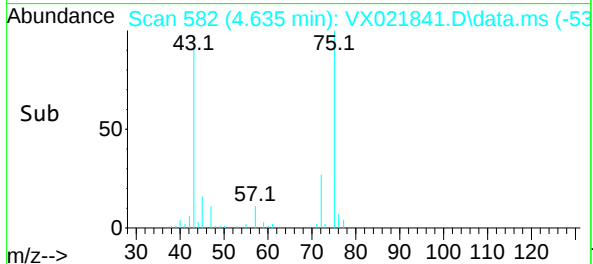
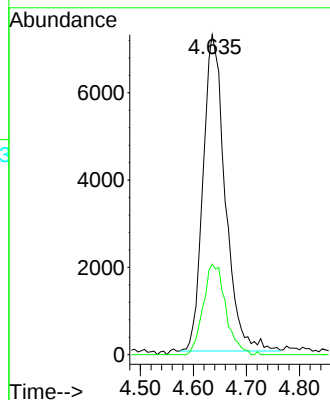
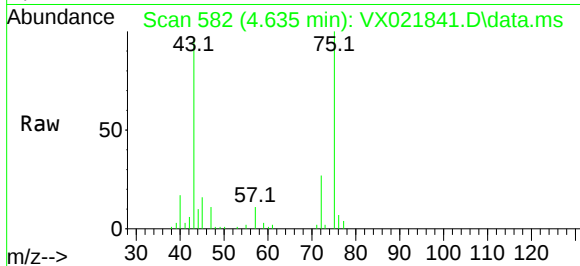




#25
2-Butanone
Concen: 18.31 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.006 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

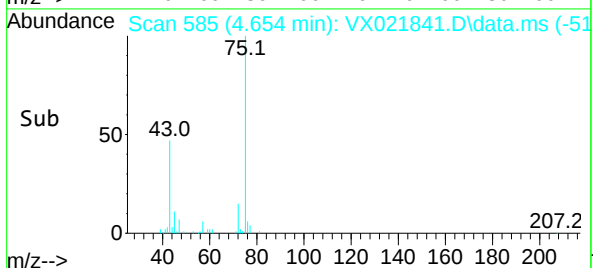
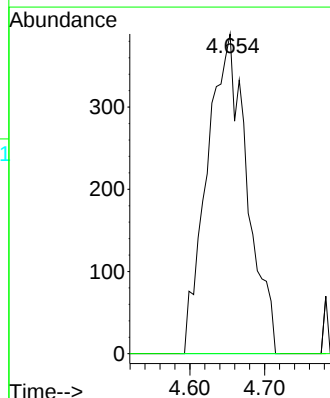
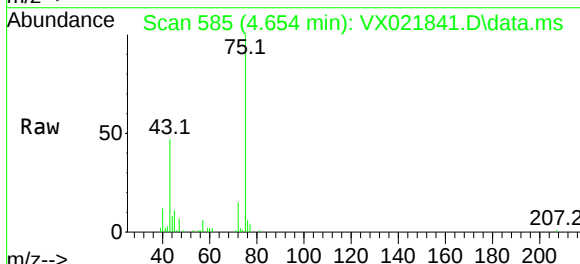
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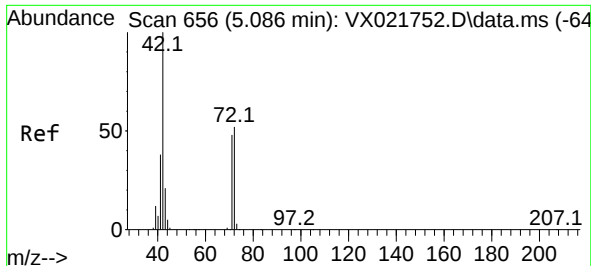
Tgt Ion: 43 Resp: 21018
Ion Ratio Lower Upper
43 100
72 28.7 23.7 35.5



#26
2,2-Dichloropropane
Concen: 0.49 ug/l
RT: 4.654 min Scan# 585
Delta R.T. 0.104 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 77 Resp: 1448
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 8.02 ug/l

RT: 5.093 min Scan# 657

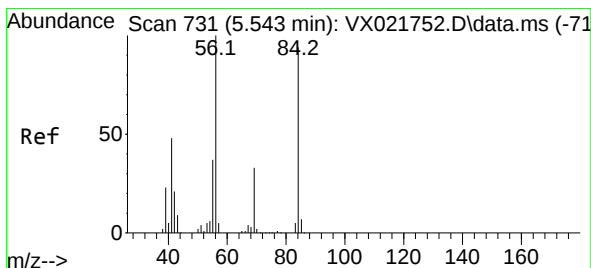
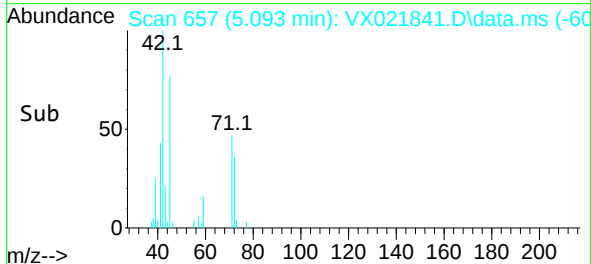
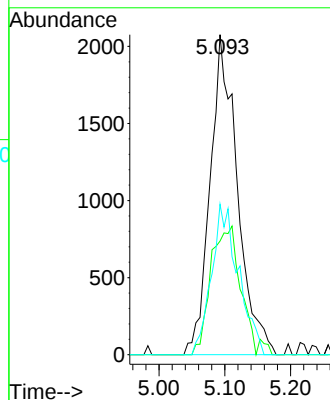
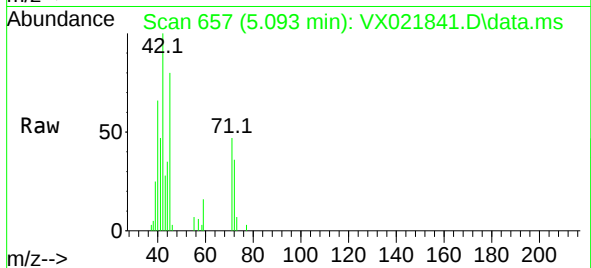
Delta R.T. 0.007 min

Lab File: VX021841.D

Acq: 23 Apr 2021 14:51

Tgt Ion:	42	Resp:	5989
Ion	Ratio	Lower	Upper
42	100		
72	43.4	41.7	62.5
71	46.7	38.4	57.6

Instrument :
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#31

Cyclohexane

Concen: 1.09 ug/l

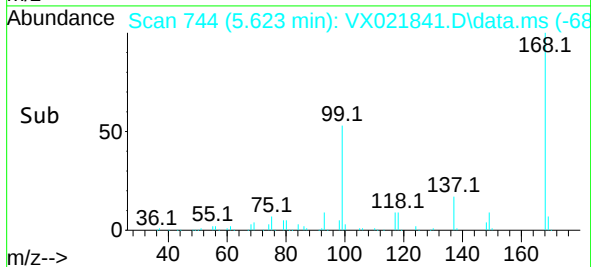
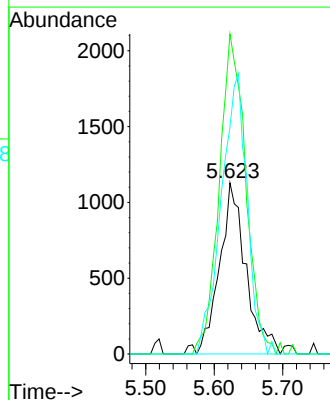
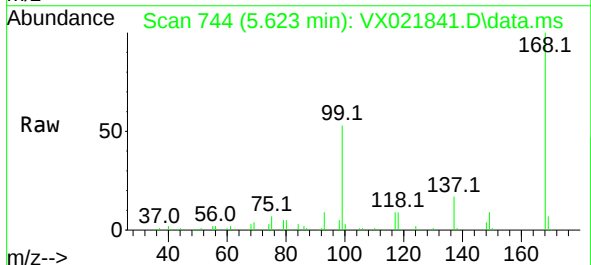
RT: 5.623 min Scan# 744

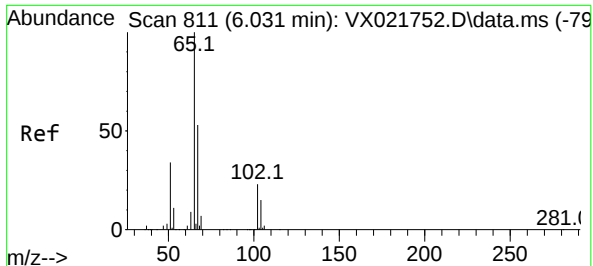
Delta R.T. 0.080 min

Lab File: VX021841.D

Acq: 23 Apr 2021 14:51

Tgt Ion:	56	Resp:	3031
Ion	Ratio	Lower	Upper
56	100		
69	187.1	25.3	37.9#
84	132.6	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.48 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.001 min

Lab File: VX021841.D

Acq: 23 Apr 2021 14:51

Tgt Ion: 65 Resp: 97575

Ion Ratio Lower Upper

65 100

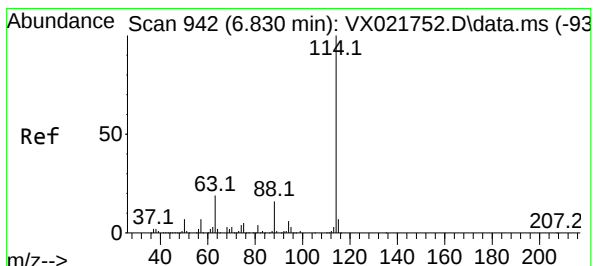
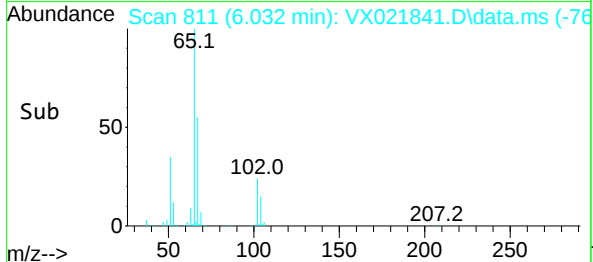
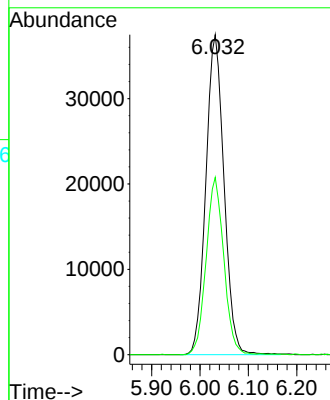
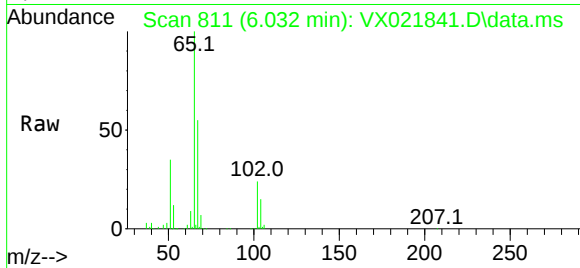
67 54.0 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

210421084-02-VOADL



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX021841.D

Acq: 23 Apr 2021 14:51

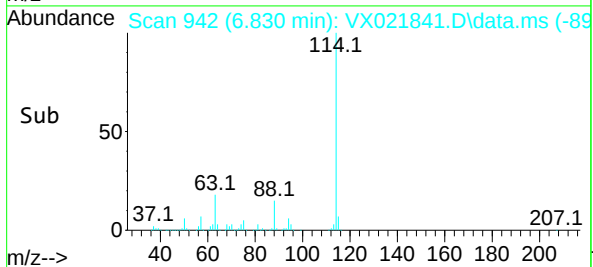
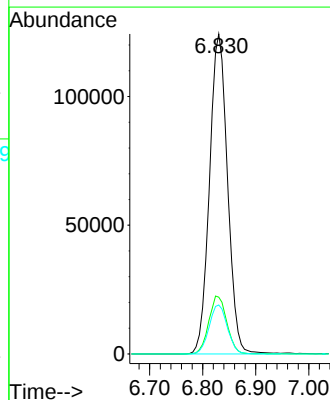
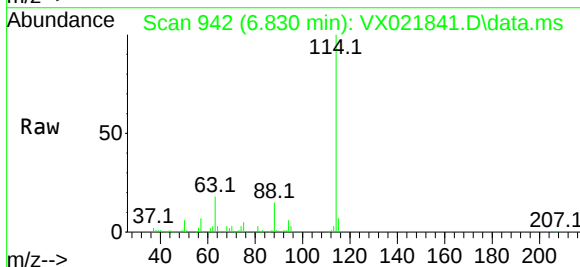
Tgt Ion: 114 Resp: 293588

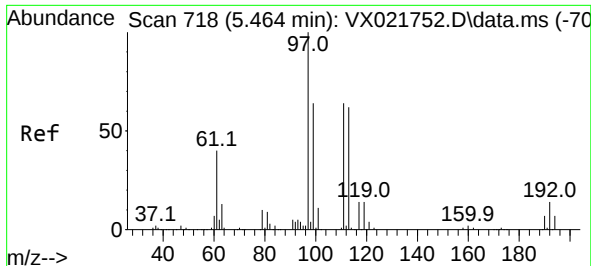
Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.8

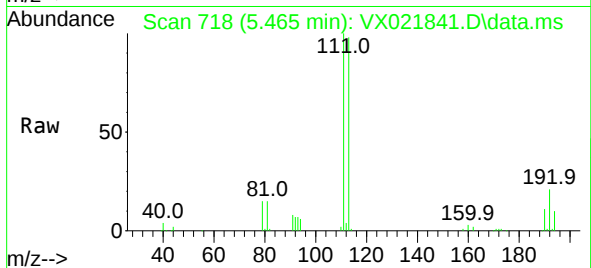
88 15.3 0.0 32.8



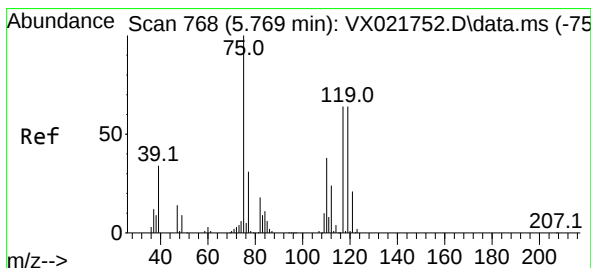
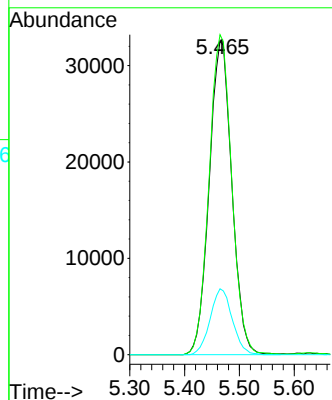
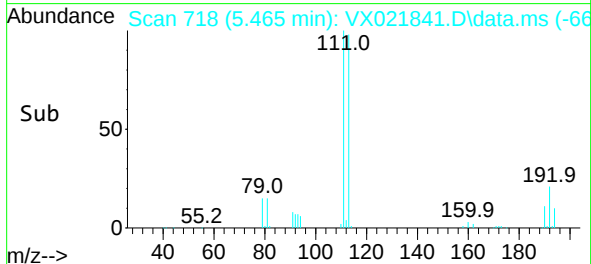


#35
Dibromofluoromethane
Concen: 49.66 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.001 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

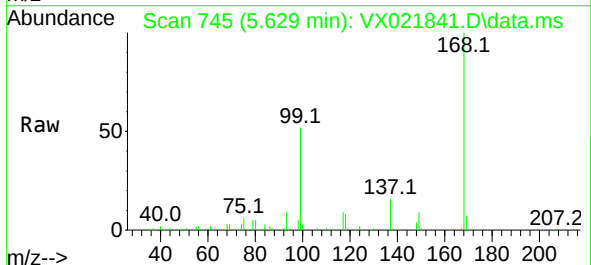
Instrument :
MSVOA_X
ClientSampleId :
210421084-02-VOADL



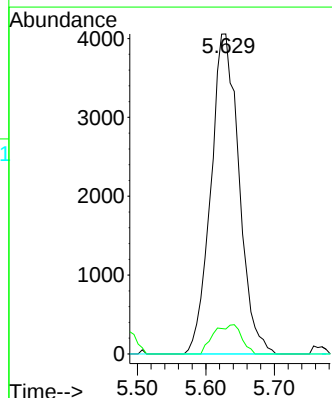
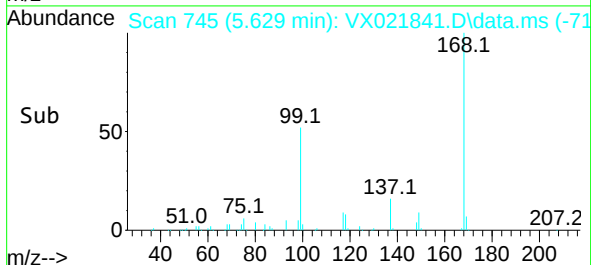
Tgt Ion:113 Resp: 93241
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 20.5 16.7 25.1

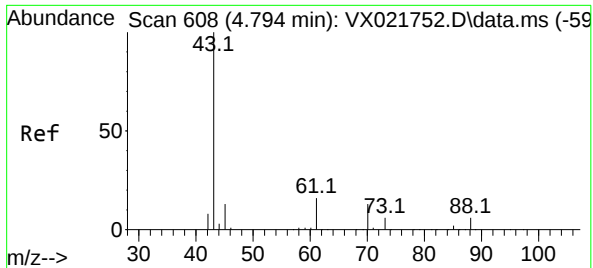


#36
1,1-Dichloropropene
Concen: 4.47 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51



Tgt Ion: 75 Resp: 11591
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 8.63 ug/l

RT: 4.635 min Scan# 582

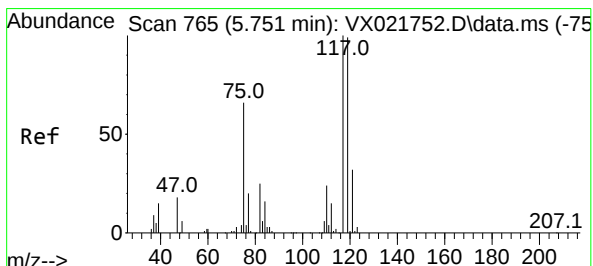
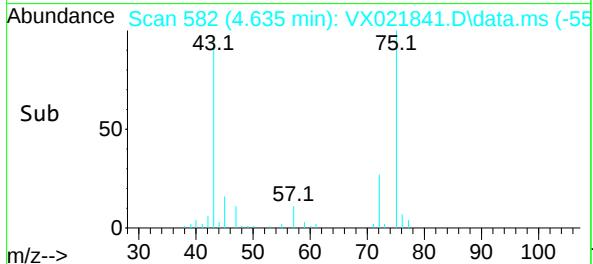
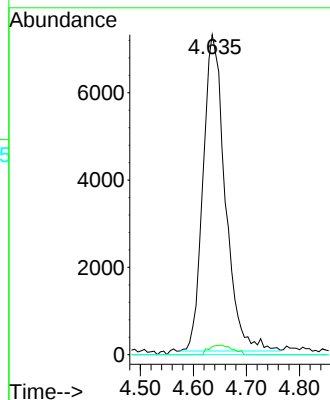
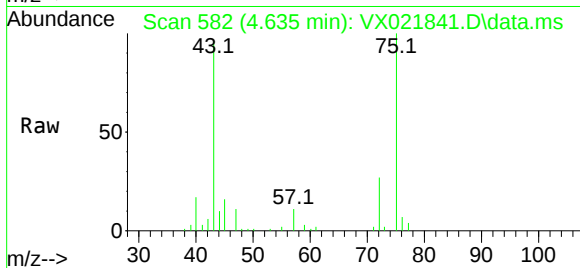
Delta R.T. -0.159 min

Lab File: VX021841.D

Acq: 23 Apr 2021 14:51

Tgt Ion:	43	Resp:	21018
Ion	Ratio	Lower	Upper
43	100		
61	3.2	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :
210421084-02-VOADL



#38

Carbon Tetrachloride

Concen: 5.65 ug/l

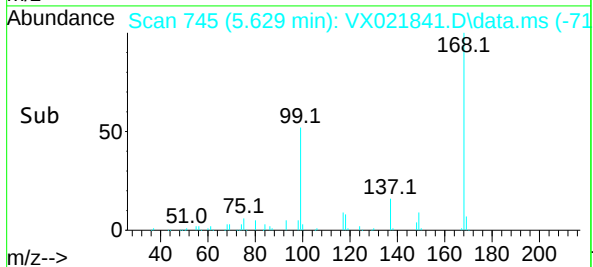
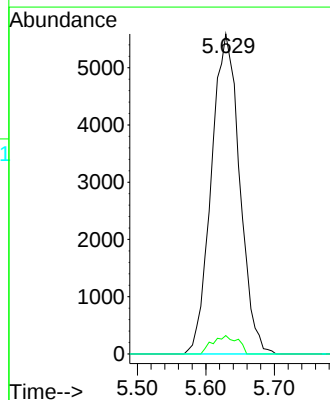
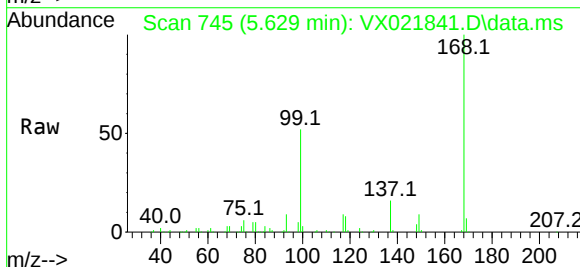
RT: 5.629 min Scan# 745

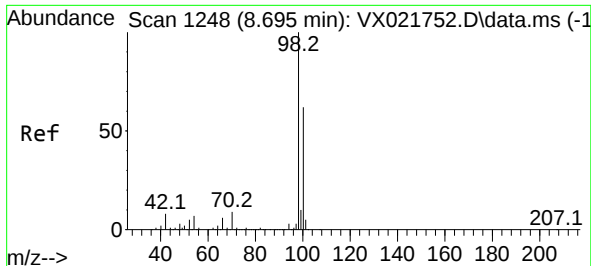
Delta R.T. -0.122 min

Lab File: VX021841.D

Acq: 23 Apr 2021 14:51

Tgt Ion:	117	Resp:	16036
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	24.8	37.2#

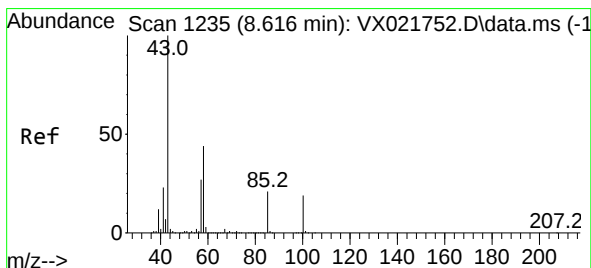
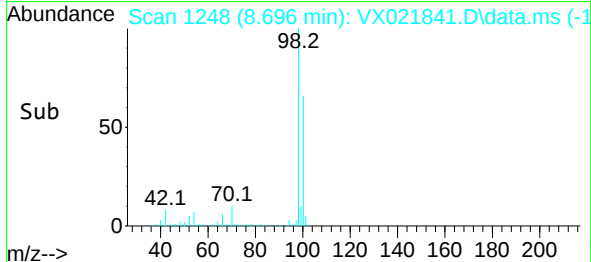
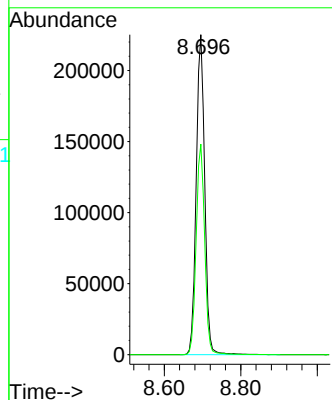
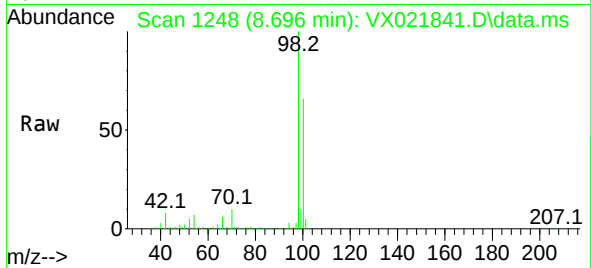




#50
Toluene-d8
Concen: 48.10 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

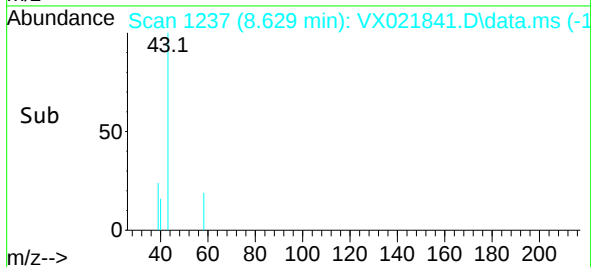
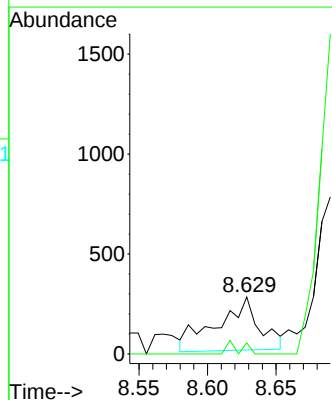
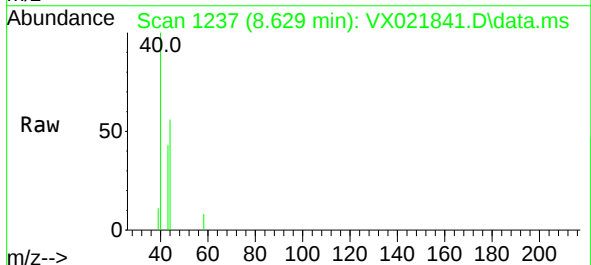
Instrument :
MSVOA_X
ClientSampleId :
210421084-02-VOADL

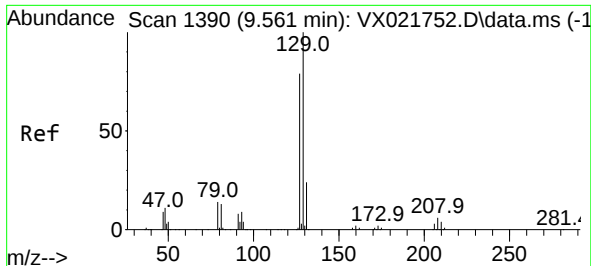
Tgt Ion: 98 Resp: 347238
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. 0.013 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#

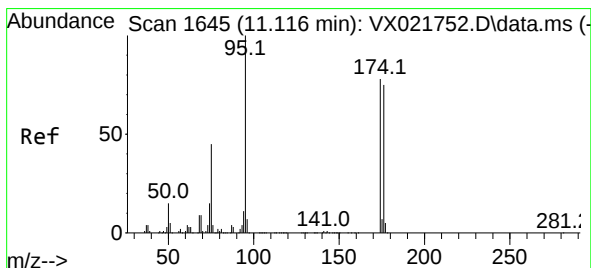
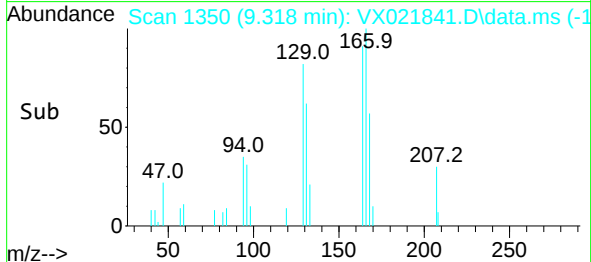
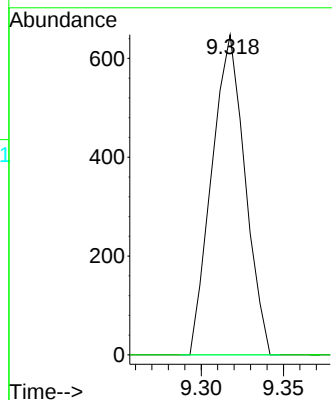
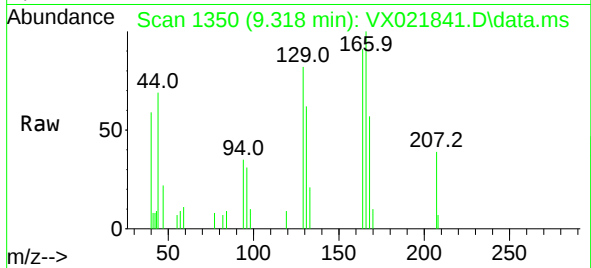




#60
Dibromochloromethane
Concen: 0.36 ug/l
RT: 9.318 min Scan# 1350
Delta R.T. -0.243 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

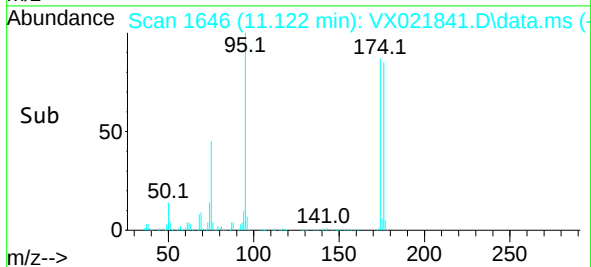
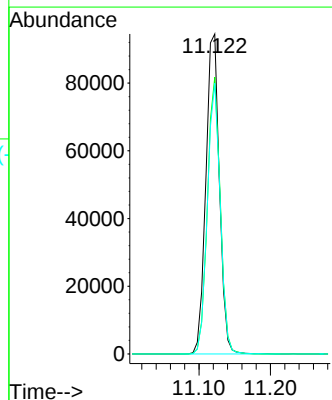
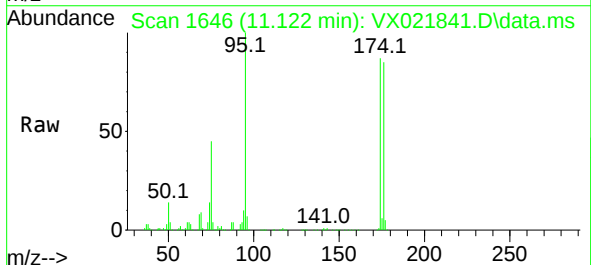
Instrument :
MSVOA_X
ClientSampleId :
210421084-02-VOADL

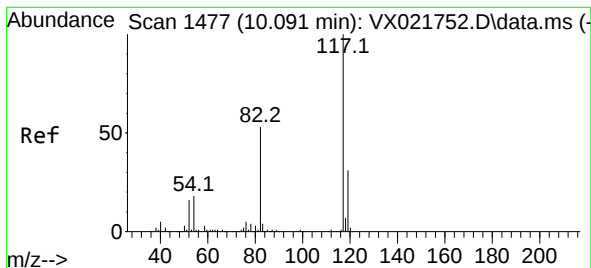
Tgt Ion:129 Resp: 912
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.18 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 95 Resp: 124486
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 80.7 0.0 155.8

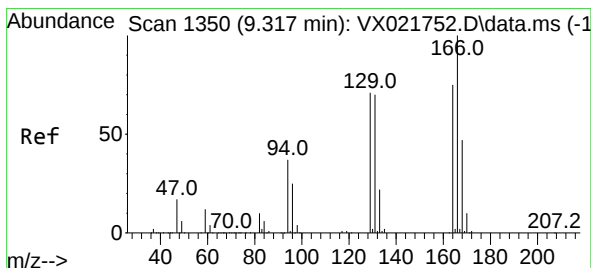
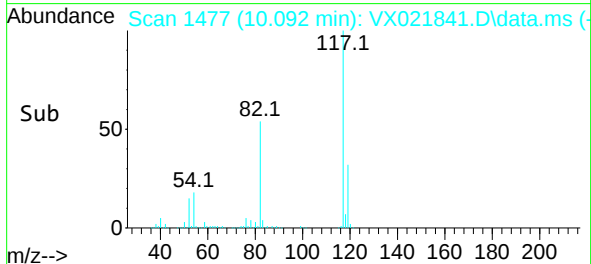
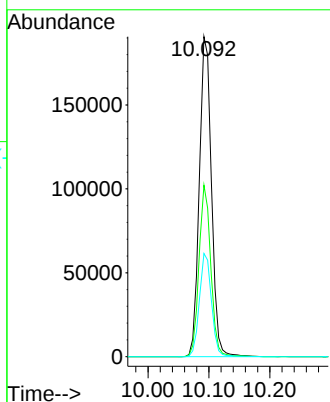
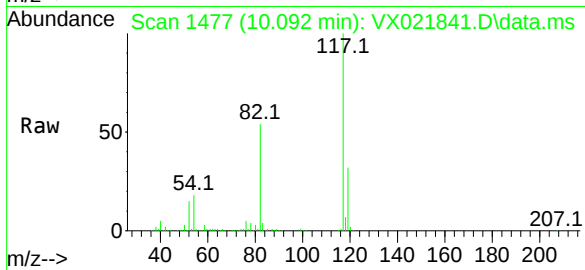




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

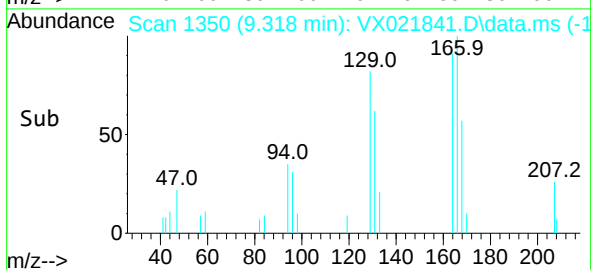
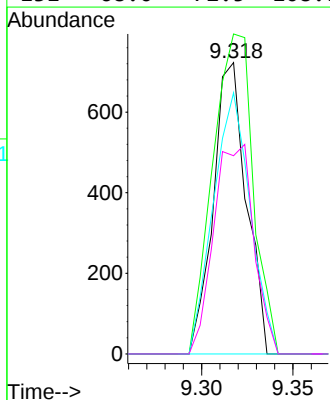
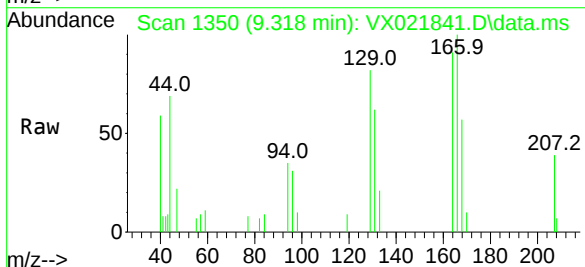
Instrument :
MSVOA_X
ClientSampleId :
210421084-02-VOADL

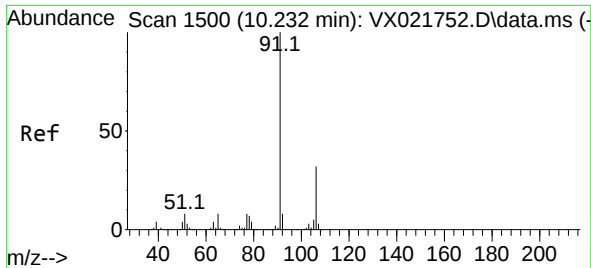
Tgt Ion:117 Resp: 263935
Ion Ratio Lower Upper
117 100
82 53.6 47.4 71.2
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 0.44 ug/l
RT: 9.318 min Scan# 1350
Delta R.T. 0.001 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion:164 Resp: 911
Ion Ratio Lower Upper
164 100
166 109.8 103.4 155.2
129 89.6 70.8 106.2
131 68.0 72.5 108.7#

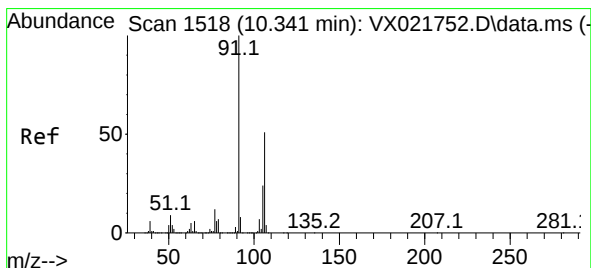
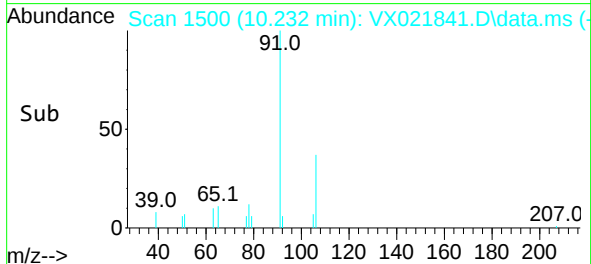
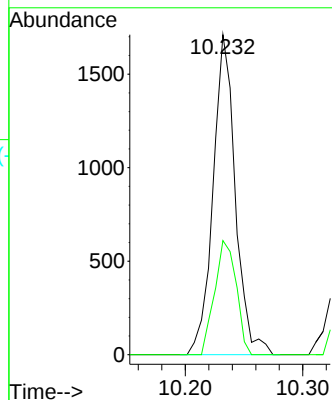
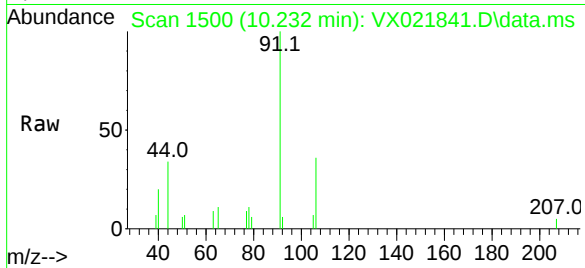




#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

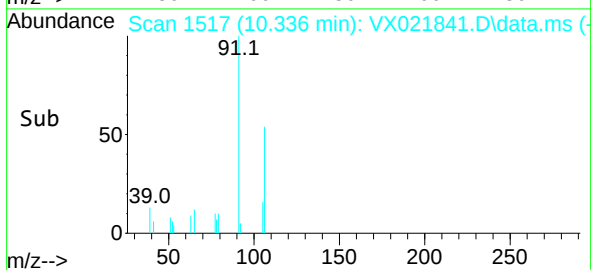
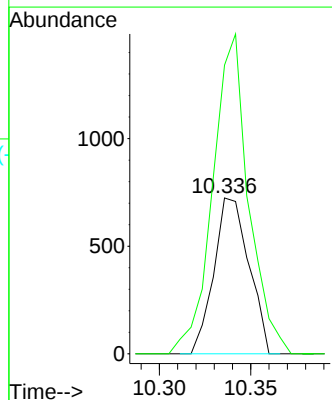
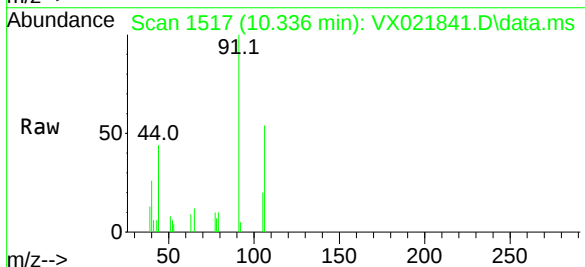
Instrument :
MSVOA_X
ClientSampleId :
210421084-02-VOADL

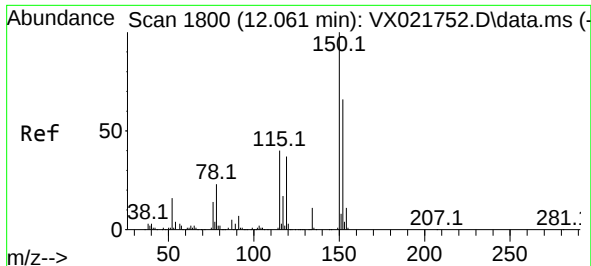
Tgt Ion: 91 Resp: 2257
Ion Ratio Lower Upper
91 100
106 35.7 24.6 37.0



#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 10.336 min Scan# 1517
Delta R.T. -0.005 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 106 Resp: 966
Ion Ratio Lower Upper
106 100
91 209.9 162.8 244.2

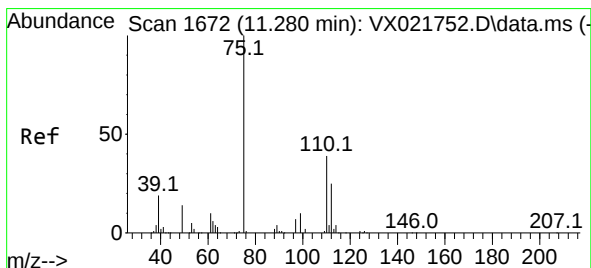
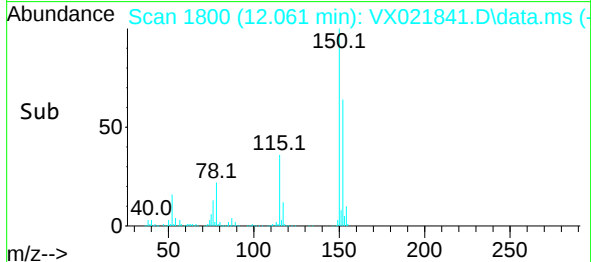
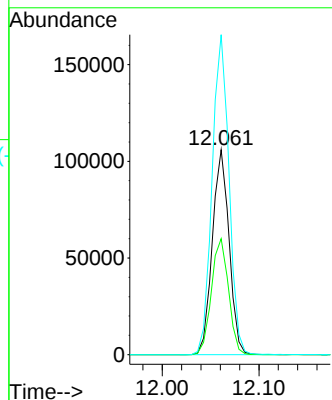
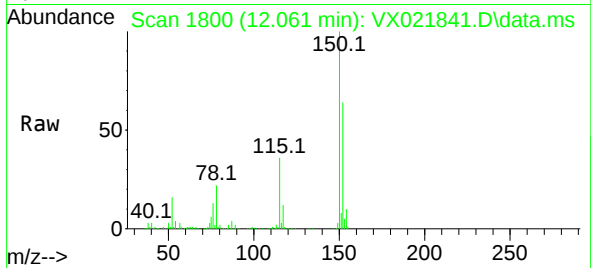




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX021841.D
 Acq: 23 Apr 2021 14:51

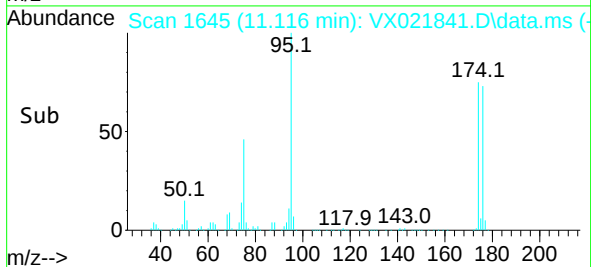
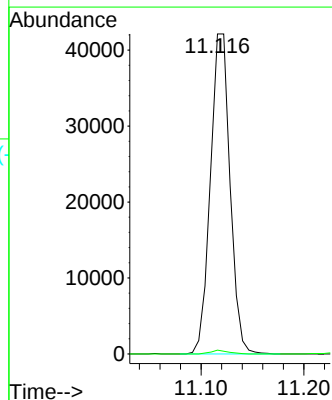
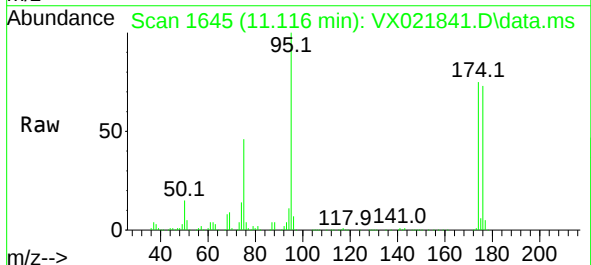
Instrument :
 MSVOA_X
 ClientSampleId :
 210421084-02-VOADL

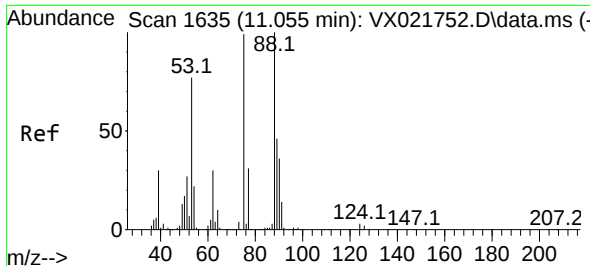
Tgt Ion:152 Resp: 127526
 Ion Ratio Lower Upper
 152 100
 115 57.7 41.1 123.3
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 22.17 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. -0.164 min
 Lab File: VX021841.D
 Acq: 23 Apr 2021 14:51

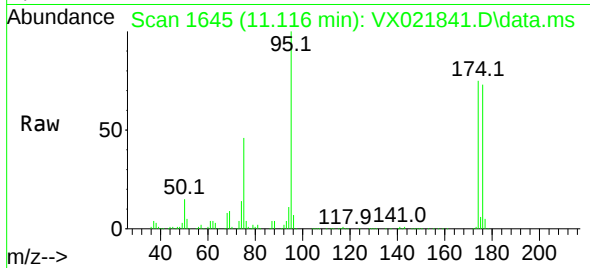
Tgt Ion: 75 Resp: 56075
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



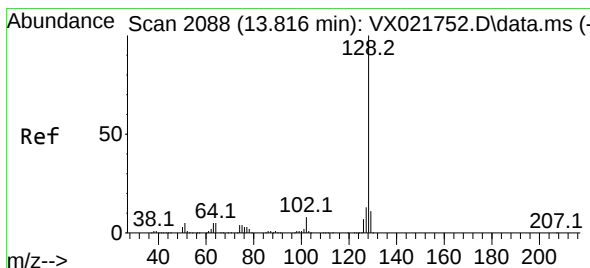
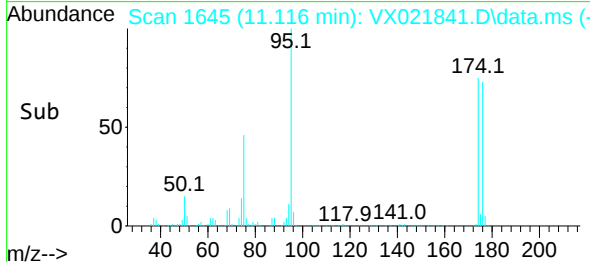
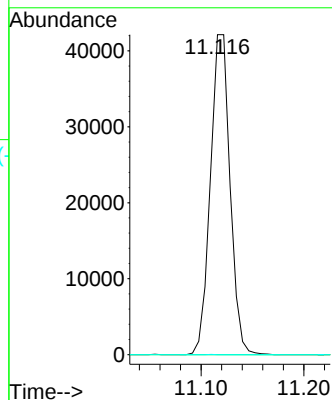


#81
trans-1,4-Dichloro-2-butene
Concen: 50.99 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Instrument :
MSVOA_X
ClientSampleId :
210421084-02-VOADL



Tgt Ion: 75 Resp: 56075
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.72 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX021841.D
Acq: 23 Apr 2021 14:51

Tgt Ion: 128 Resp: 6159
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.8 13.2

