

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021084.D
 Acq On : 09 Mar 2021 00:44
 Operator : JC/MD
 Sample : PB135028ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135028ZHE#02

Quant Time: Mar 09 04:23:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

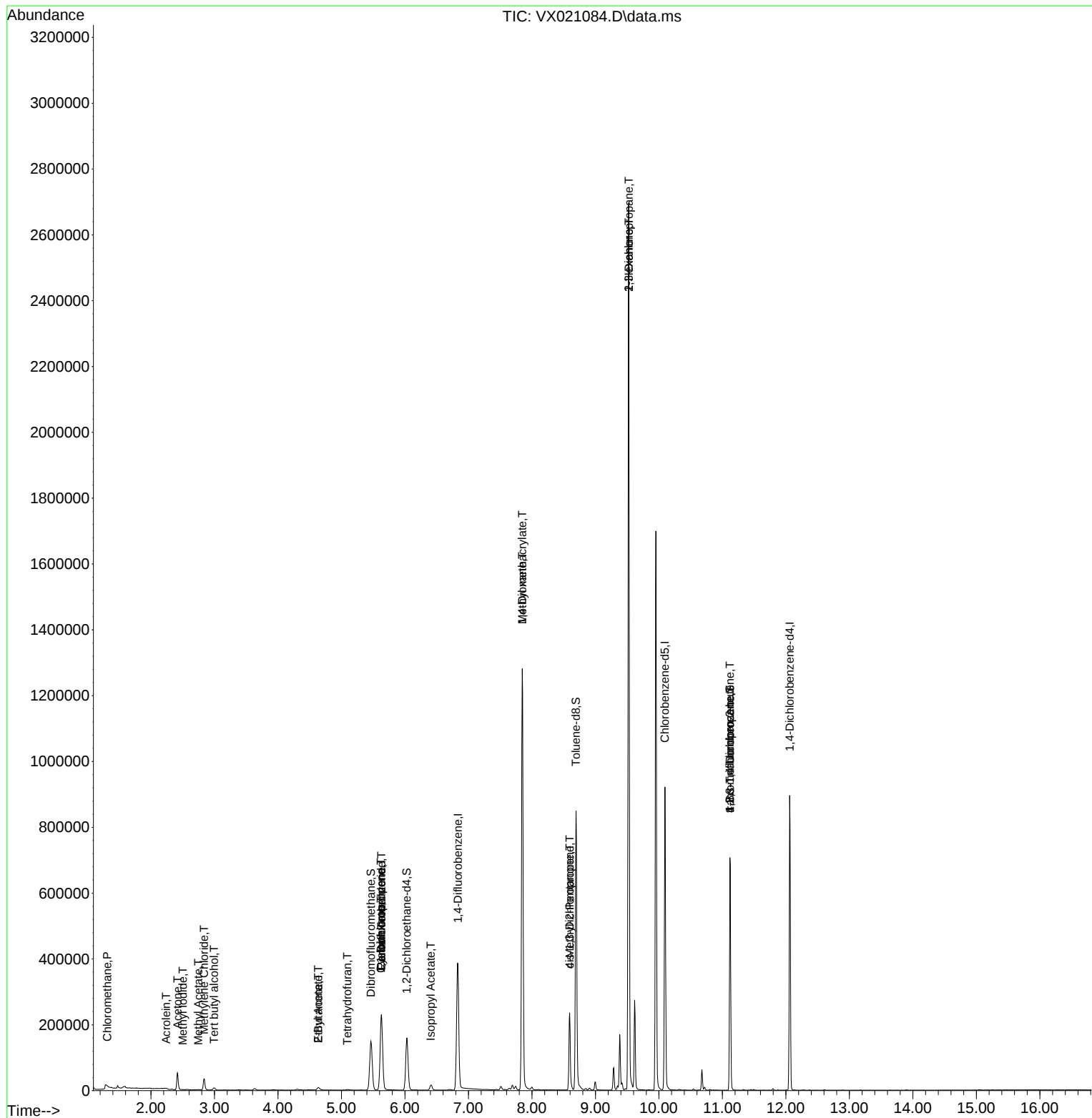
Internal Standards						
1) Pentafluorobenzene	5.629	168	224709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	409050	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	420075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	184586	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	149521	49.26	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.52%		
35) Dibromofluoromethane	5.464	113	131889	53.07	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	106.14%		
50) Toluene-d8	8.694	98	524944	54.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.34%		
62) 4-Bromofluorobenzene	11.118	95	202227	56.44	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	112.88%		
Target Compounds						Qvalue
3) Chloromethane	1.311	50	928	0.34	ug/l	93
5) Bromomethane	1.640	94	421	Below Cal		98
10) Methyl Iodide	2.499	142	671	0.21	ug/l #	86
11) Tert butyl alcohol	2.993	59	4615	6.83	ug/l #	84
13) Acrolein	2.240	56	162	0.39	ug/l #	1
16) Acetone	2.417	43	52312	41.83	ug/l	99
18) Methyl Acetate	2.746	43	1329	0.45	ug/l	90
20) Methylene Chloride	2.834	84	16603	5.53	ug/l	97
25) 2-Butanone	4.635	43	10837	5.70	ug/l	98
29) Tetrahydrofuran	5.093	42	1592	1.31	ug/l #	85
31) Cyclohexane	5.623	56	4340	0.99	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	16810	4.32	ug/l #	48
37) Ethyl Acetate	4.635	43	10837	2.93	ug/l #	69
38) Carbon Tetrachloride	5.629	117	21042	5.59	ug/l #	17
43) Isopropyl Acetate	6.405	43	21118	3.36	ug/l	98
48) Methyl methacrylate	7.847	41	105376	33.39	ug/l #	36
49) 1,4-Dioxane	7.847	88	214	2.90	ug/l #	1
51) 4-Methyl-2-Pentanone	8.594	43	77326	21.11	ug/l #	47
54) cis-1,3-Dichloropropene	8.594	75	41193	8.19	ug/l #	57
57) 1,3-Dichloropropane	9.523	76	24180	4.92	ug/l #	43
59) 2-Hexanone	9.523	43	292094	106.27	ug/l #	45
76) 1,2,3-Trichloropropane	11.118	75	96184	24.22	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	96184	53.63	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

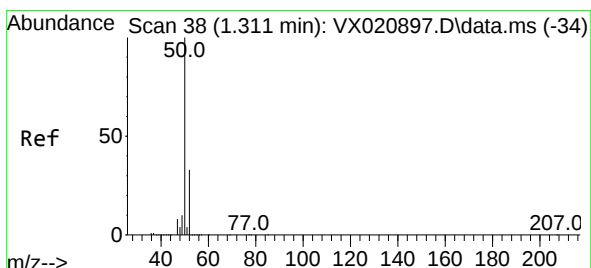
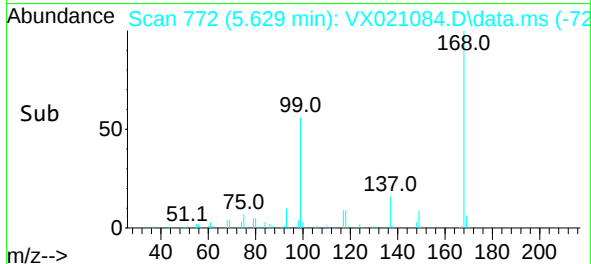
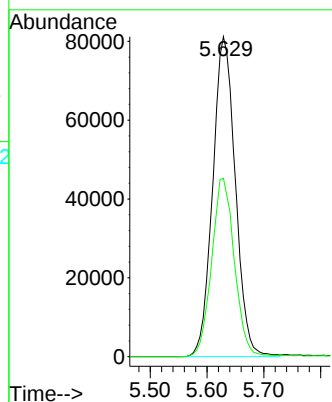
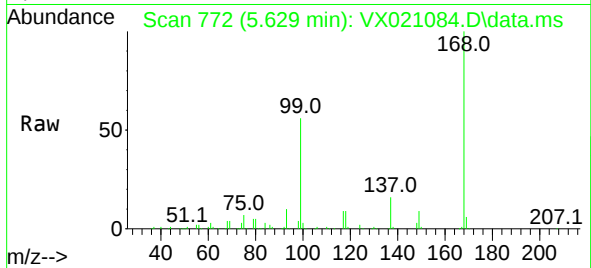




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

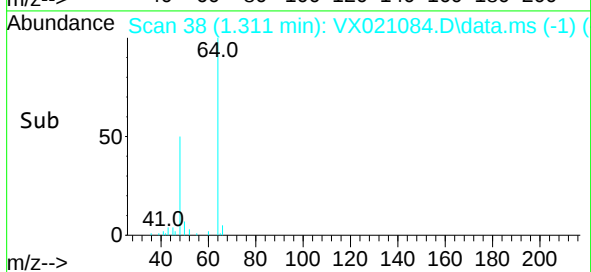
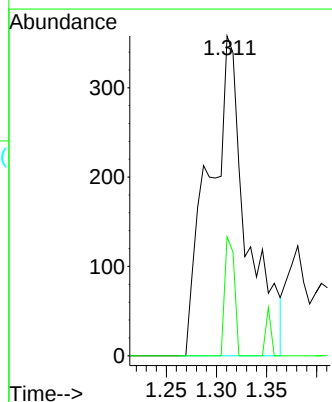
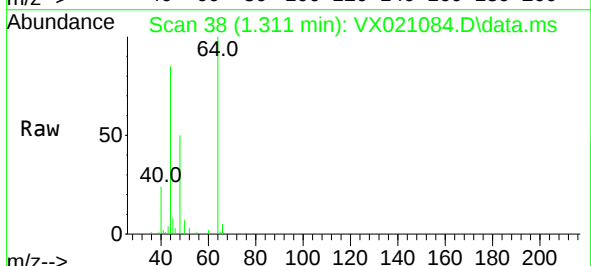
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

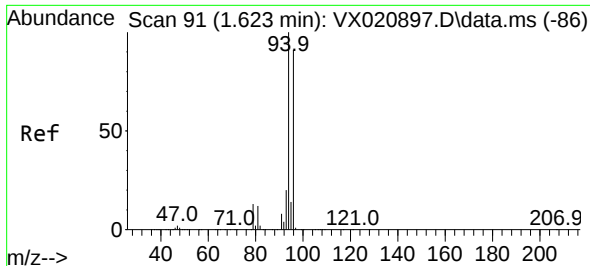
Tgt Ion:168 Resp: 224709
Ion Ratio Lower Upper
168 100
99 55.8 45.8 68.6



#3
Chloromethane
Concen: 0.34 ug/l
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

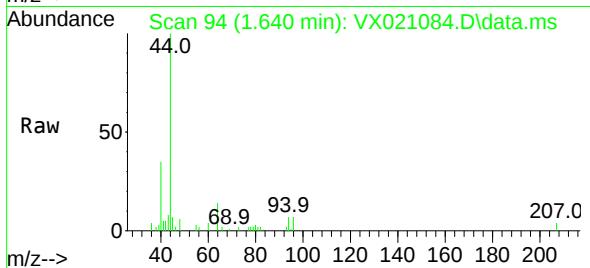
Tgt Ion: 50 Resp: 928
Ion Ratio Lower Upper
50 100
52 37.2 26.4 39.6



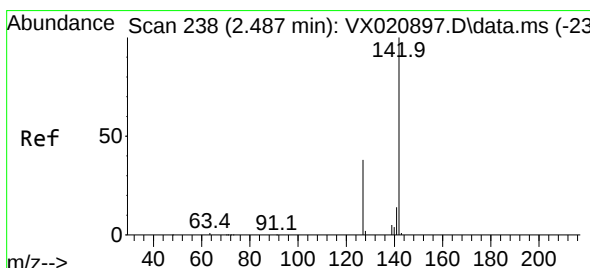
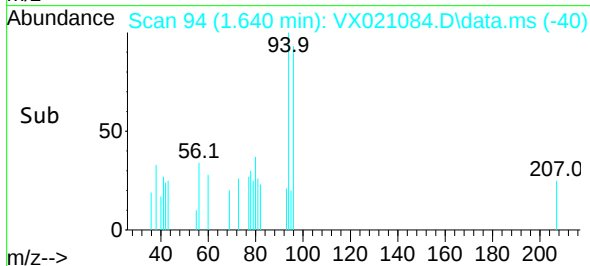
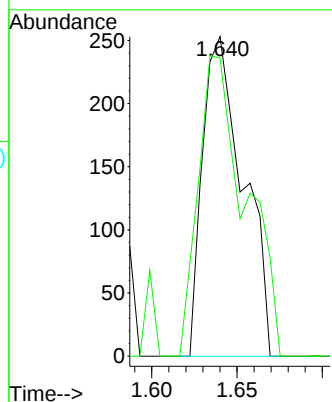


#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

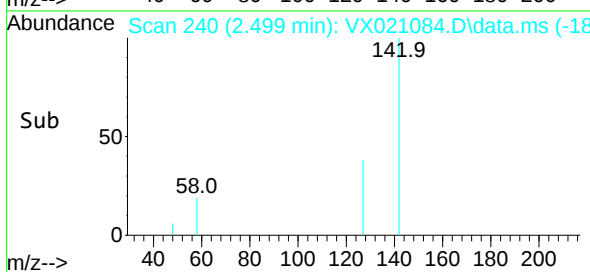
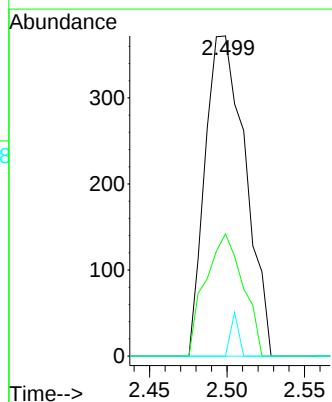
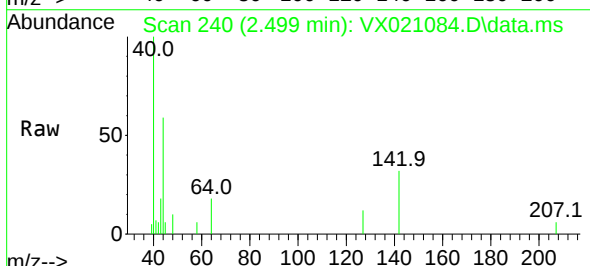


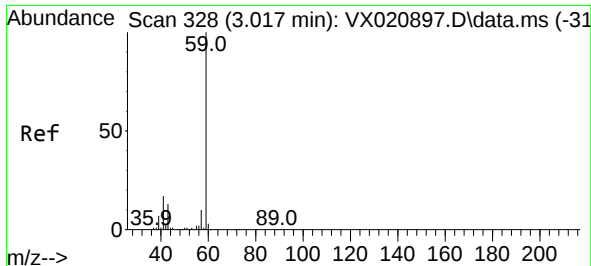
Tgt Ion: 94 Resp: 421
Ion Ratio Lower Upper
94 100
96 93.3 76.4 114.6



#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 142 Resp: 671
Ion Ratio Lower Upper
142 100
127 35.8 33.3 49.9
141 2.7 11.4 17.0#

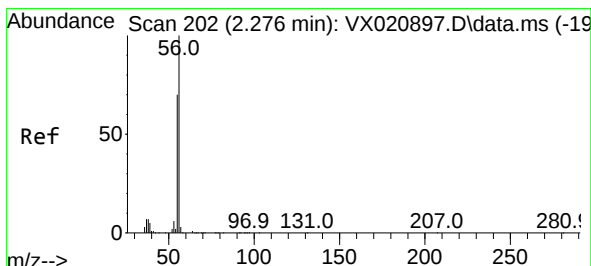
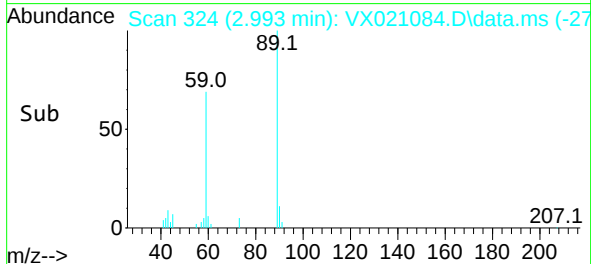
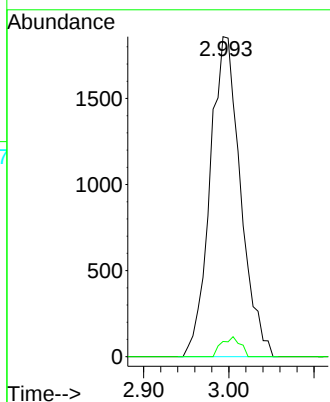
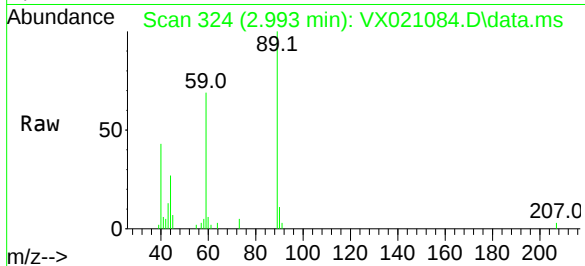




#11
Tert butyl alcohol
Concen: 6.83 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

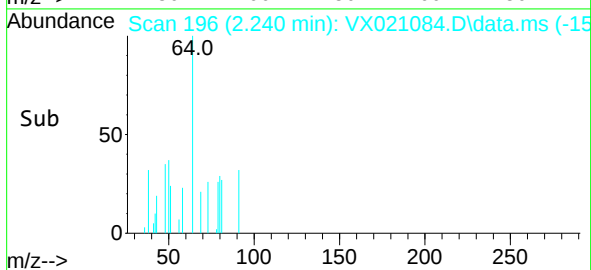
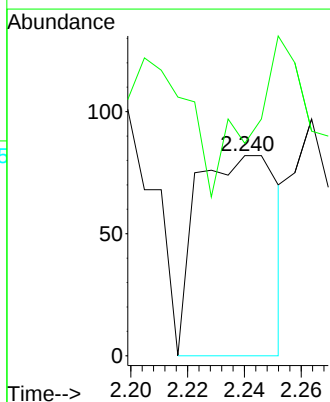
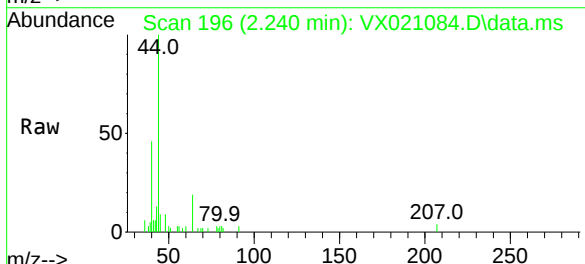
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

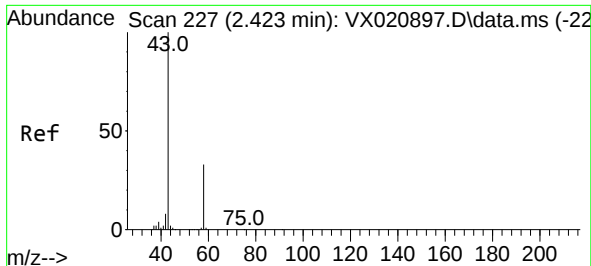
Tgt Ion: 59 Resp: 4615
Ion Ratio Lower Upper
59 100
57 3.8 7.8 11.8#



#13
Acrolein
Concen: 0.39 ug/l
RT: 2.240 min Scan# 196
Delta R.T. -0.036 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 174.1 56.4 84.6#

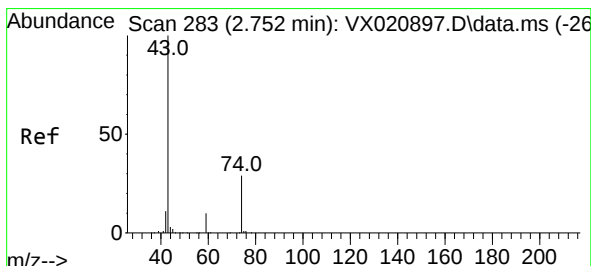
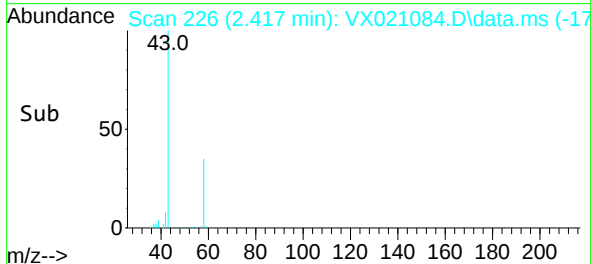
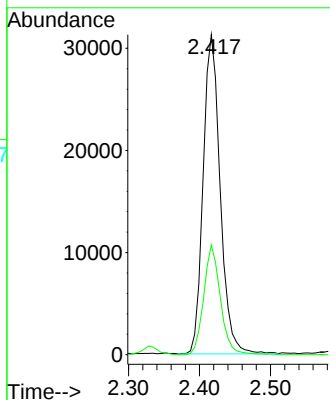
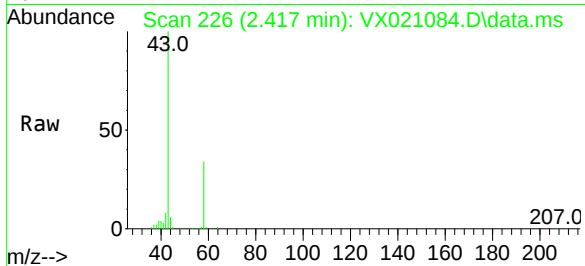




#16
Acetone
Concen: 41.83 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

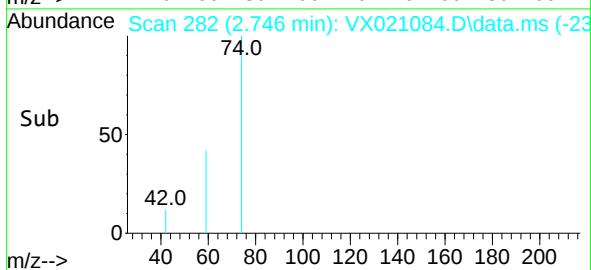
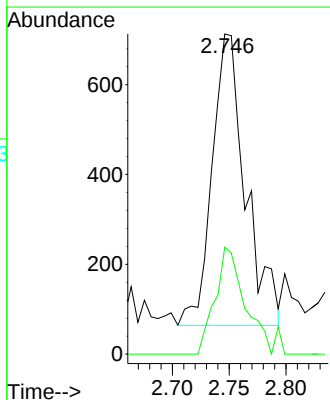
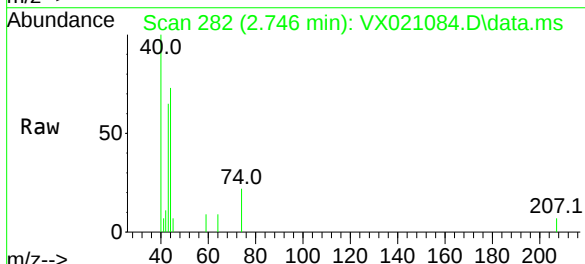
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

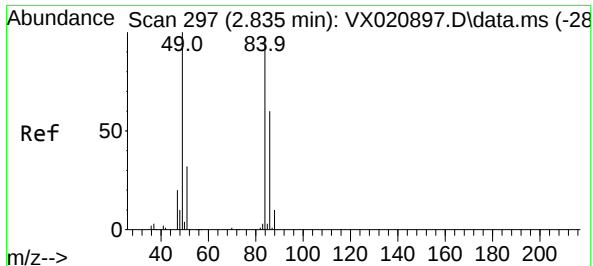
Tgt Ion: 43 Resp: 52312
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
74 32.6 21.9 32.9

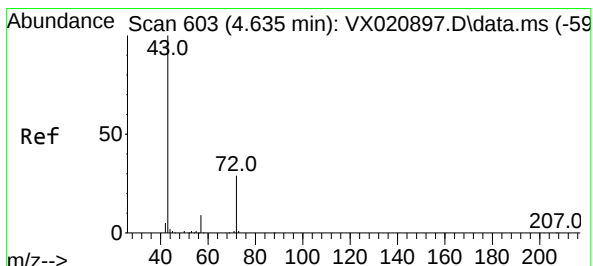
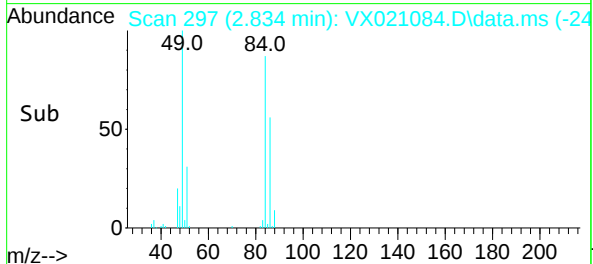
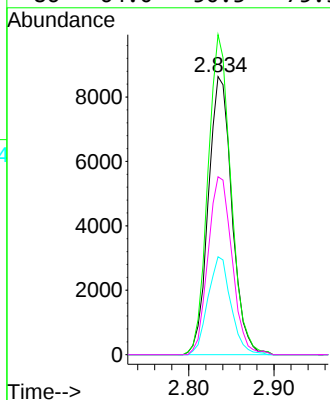
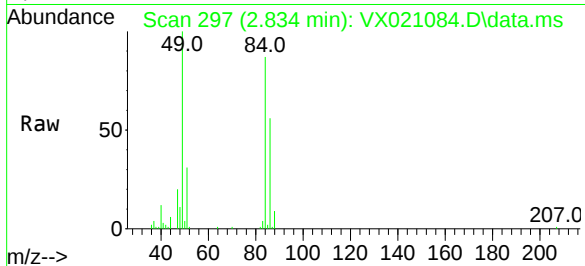




#20
Methylene Chloride
Concen: 5.53 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

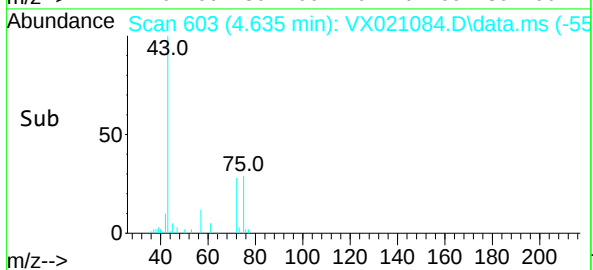
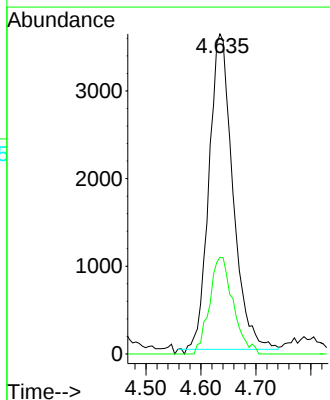
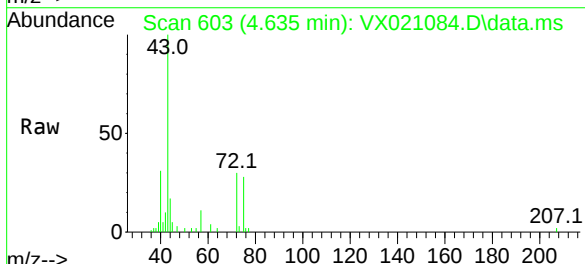
Instrument :
MSVOA_X
ClientSampleId :
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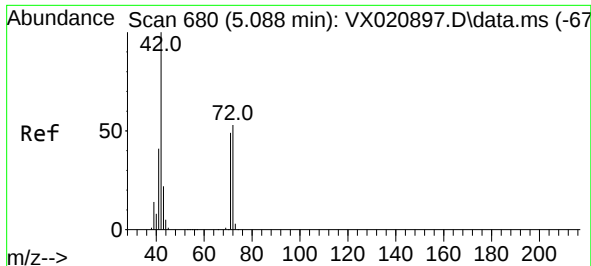
Tgt Ion:	84	Resp:	16603
Ion	Ratio	Lower	Upper
84	100		
49	115.1	88.6	132.8
51	35.2	27.0	40.6
86	64.0	50.3	75.5



#25
2-Butanone
Concen: 5.70 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion:	43	Resp:	10837
Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.31 ug/l

RT: 5.093 min Scan# 681

Delta R.T. 0.006 min

Lab File: VX021084.D

Acq: 09 Mar 2021 00:44

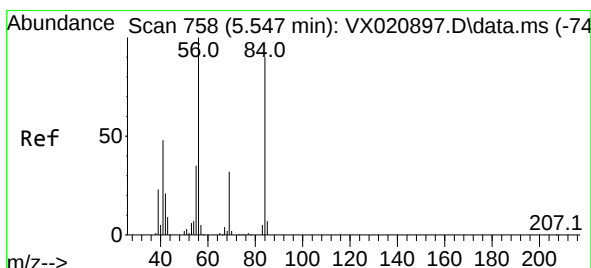
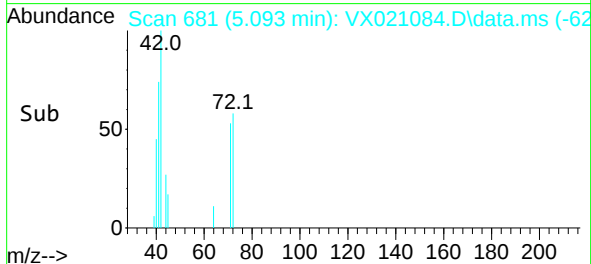
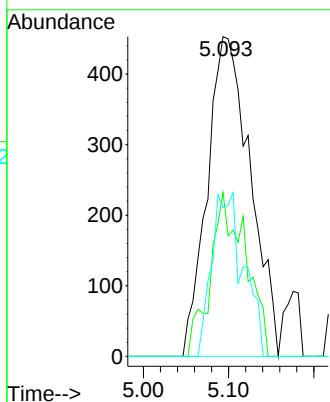
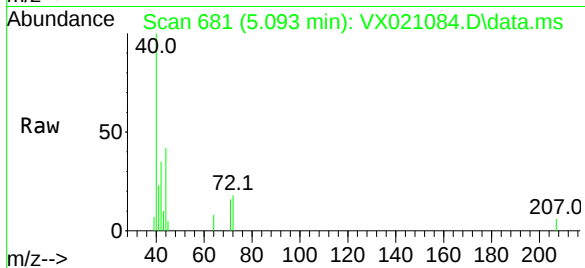
Instrument :

MSVOA_X

ClientSampleId :

PB135028ZHE#02

Tgt Ion:	42	Resp:	1592
Ion	Ratio	Lower	Upper
42	100		
72	42.2	41.7	62.5
71	37.8	38.4	57.6#



#31

Cyclohexane

Concen: 0.99 ug/l

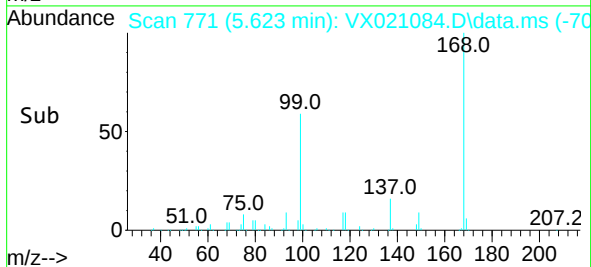
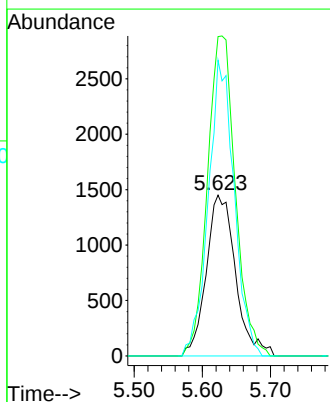
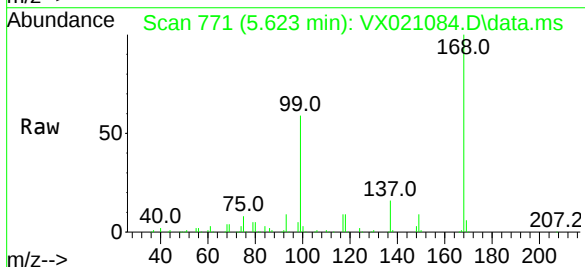
RT: 5.623 min Scan# 771

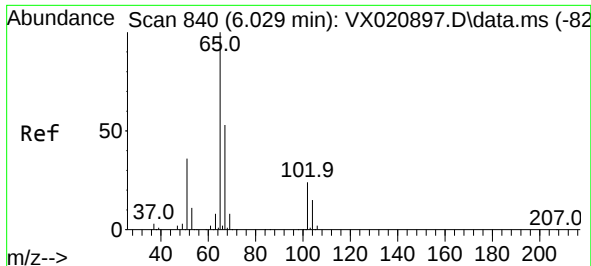
Delta R.T. 0.076 min

Lab File: VX021084.D

Acq: 09 Mar 2021 00:44

Tgt Ion:	56	Resp:	4340
Ion	Ratio	Lower	Upper
56	100		
69	198.6	25.3	37.9#
84	183.9	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.26 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021084.D

Acq: 09 Mar 2021 00:44

Tgt Ion: 65 Resp: 149521

Ion Ratio Lower Upper

65 100

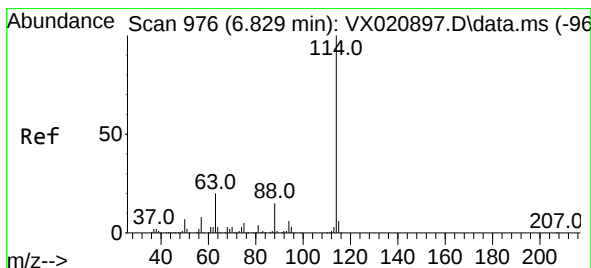
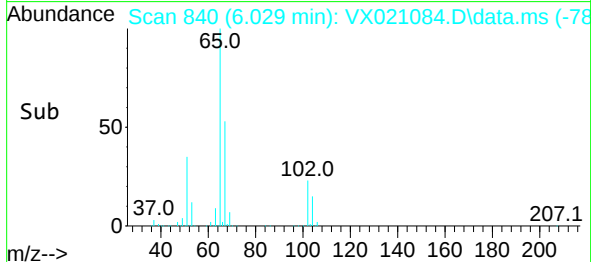
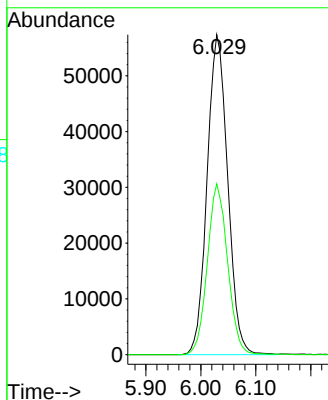
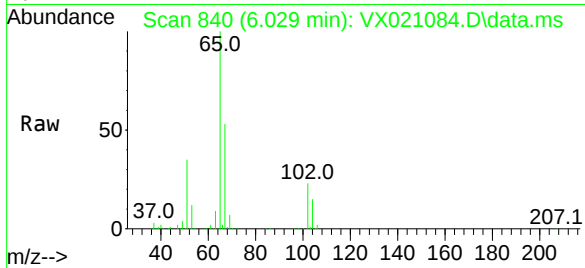
67 52.4 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

PB135028ZHE#02



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

Lab File: VX021084.D

Acq: 09 Mar 2021 00:44

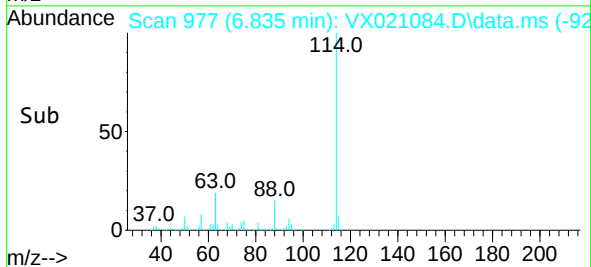
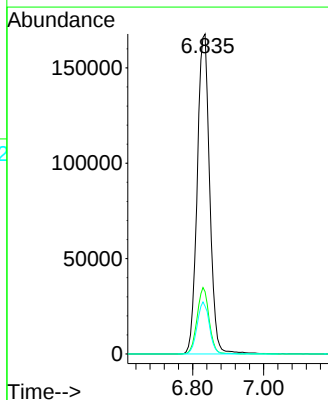
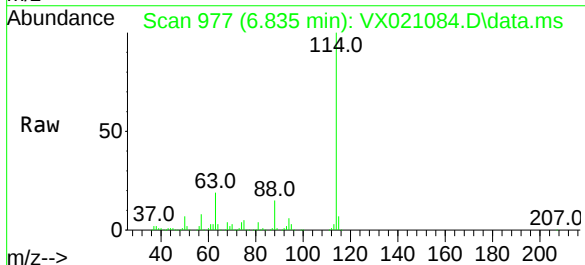
Tgt Ion: 114 Resp: 409050

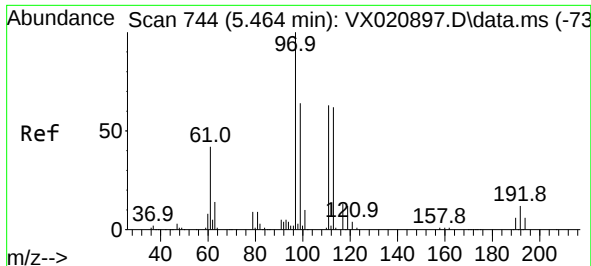
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 14.9 0.0 32.8

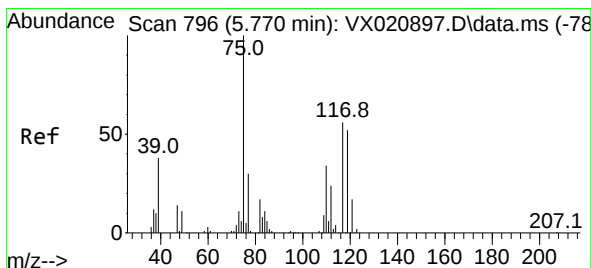
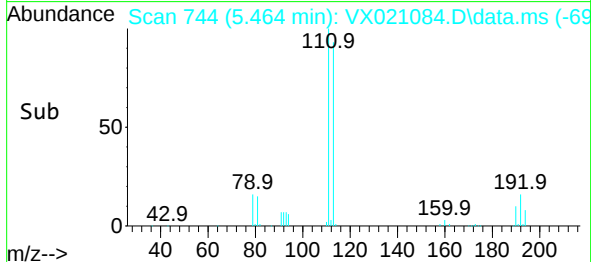
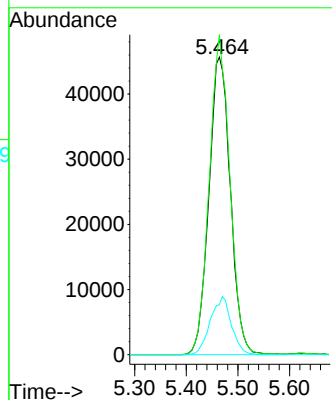
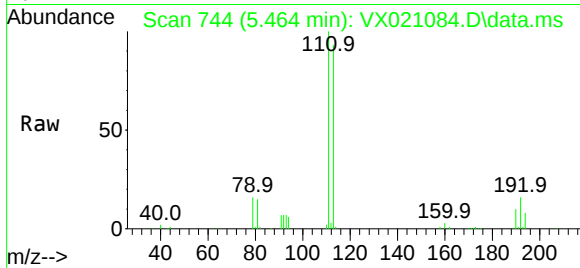




#35
Dibromofluoromethane
Concen: 53.07 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

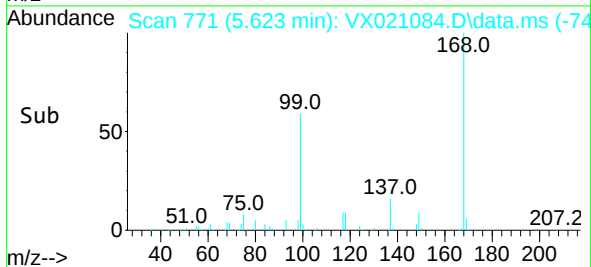
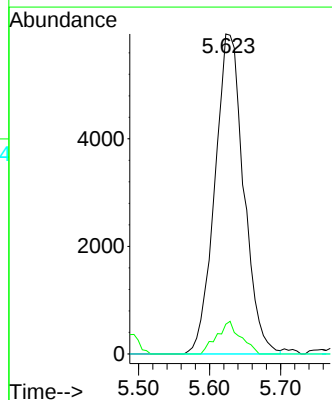
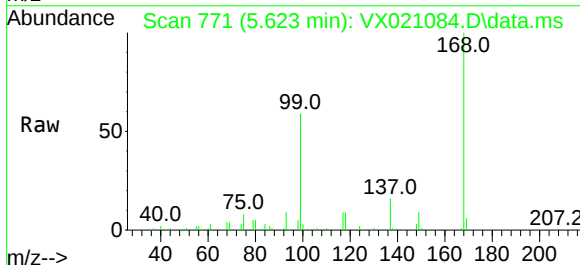
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

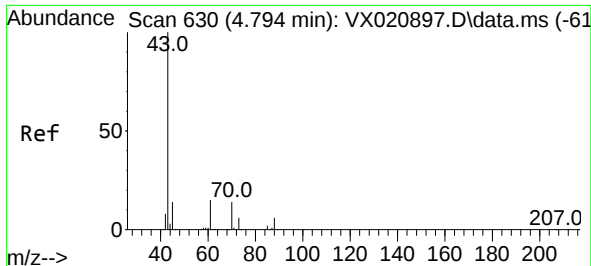
Tgt Ion:113 Resp: 131889
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.32 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 75 Resp: 16810
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#

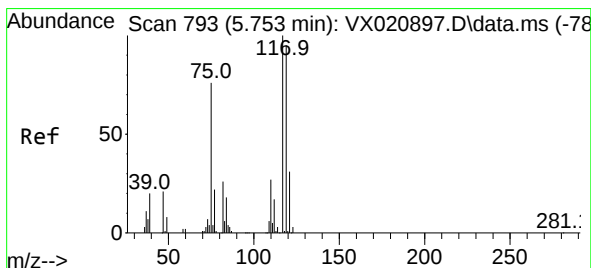
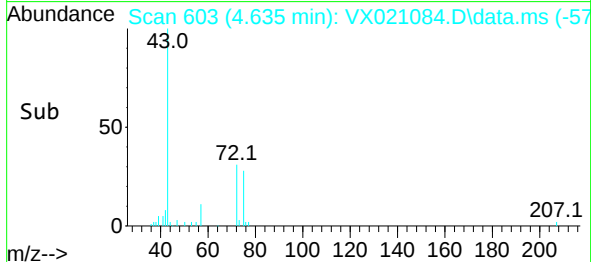
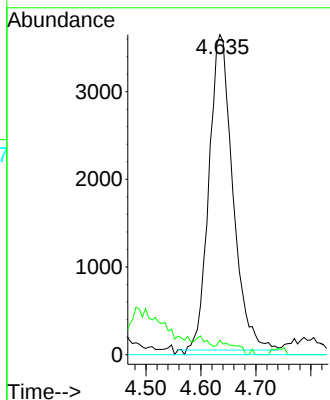
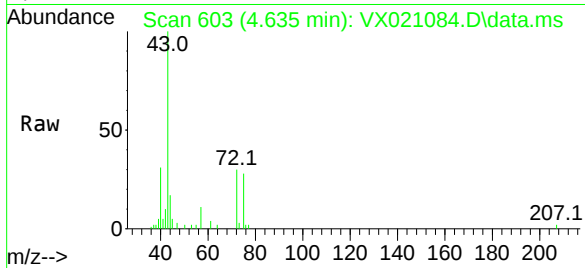




#37
Ethyl Acetate
Concen: 2.93 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.159 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

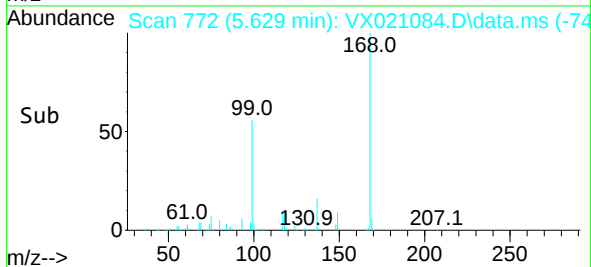
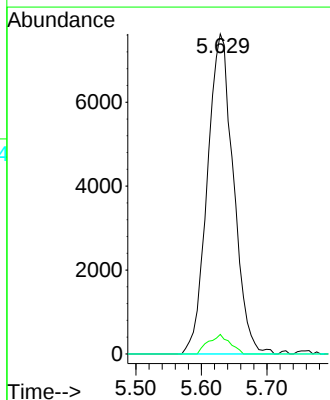
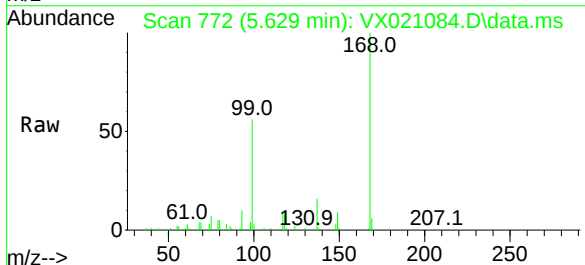
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

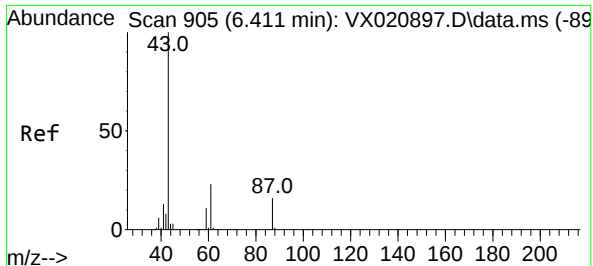
Tgt Ion: 43 Resp: 10837
Ion Ratio Lower Upper
43 100
61 3.3 12.8 19.2#
70 0.0 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 5.59 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 117 Resp: 21042
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#

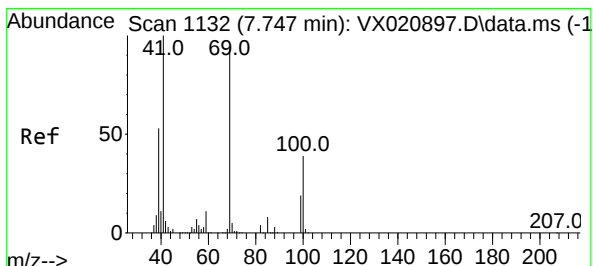
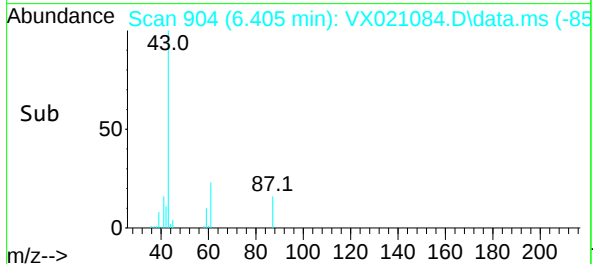
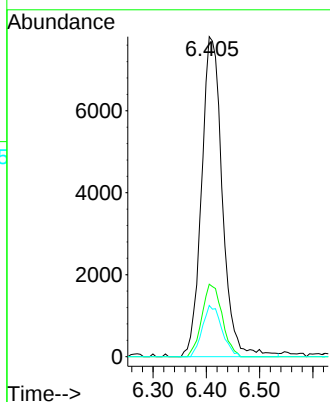
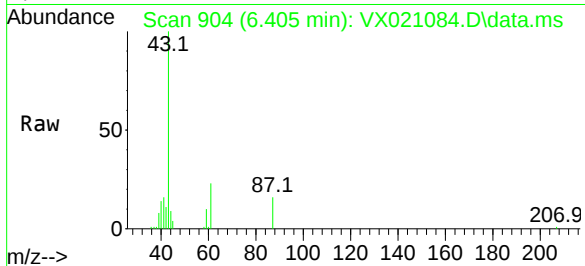




#43
Isopropyl Acetate
Concen: 3.36 ug/l
RT: 6.405 min Scan# 904
Delta R.T. -0.006 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

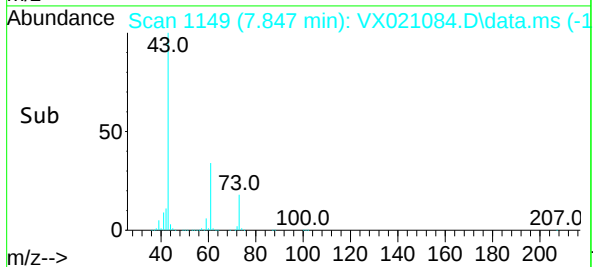
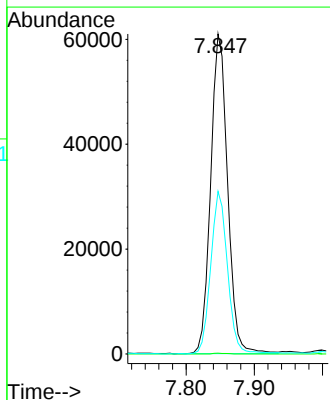
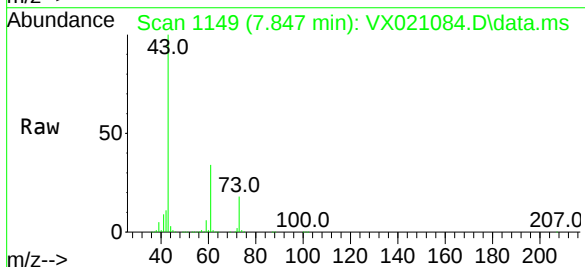
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

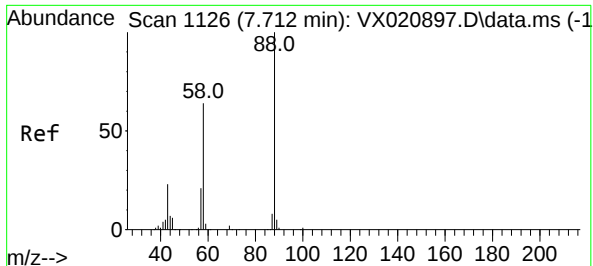
Tgt Ion:	43	Resp:	21118
Ion	Ratio	Lower	Upper
43	100		
61	22.1	18.2	27.4
87	15.0	12.5	18.7



#48
Methyl methacrylate
Concen: 33.39 ug/l
RT: 7.847 min Scan# 1149
Delta R.T. 0.100 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion:	41	Resp:	105376
Ion	Ratio	Lower	Upper
41	100		
69	0.2	76.0	114.0#
39	50.8	44.6	67.0





#49

1,4-Dioxane

Concen: 2.90 ug/l

RT: 7.847 min Scan# 1149

Delta R.T. 0.135 min

Lab File: VX021084.D

Acq: 09 Mar 2021 00:44

Tgt Ion: 88 Resp: 214

Ion Ratio Lower Upper

88 100

43 531956.1 23.2 34.8#

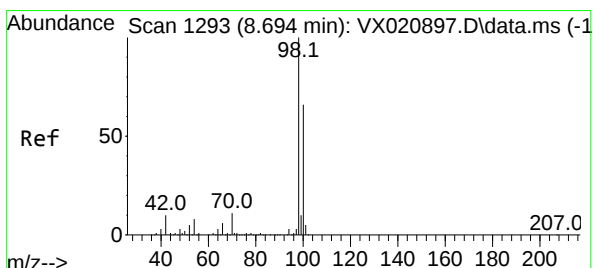
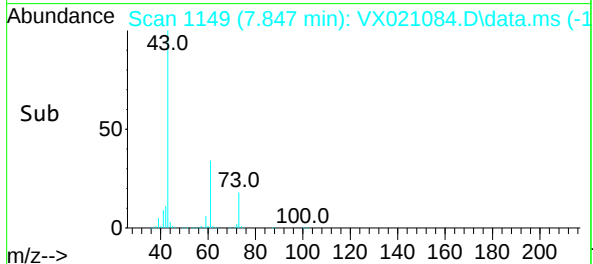
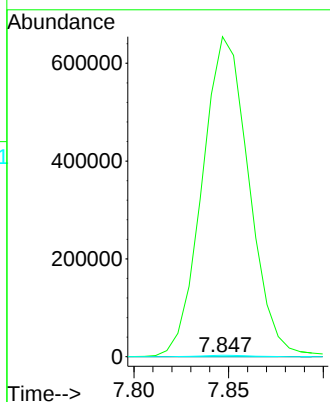
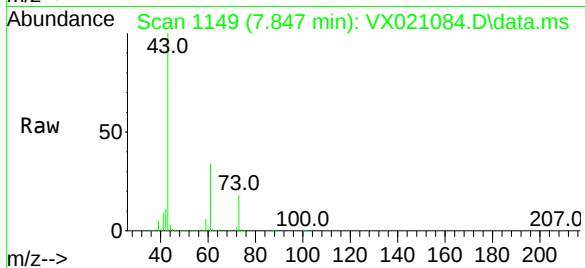
58 2419.6 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB135028ZHE#02



#50

Toluene-d8

Concen: 54.17 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.000 min

Lab File: VX021084.D

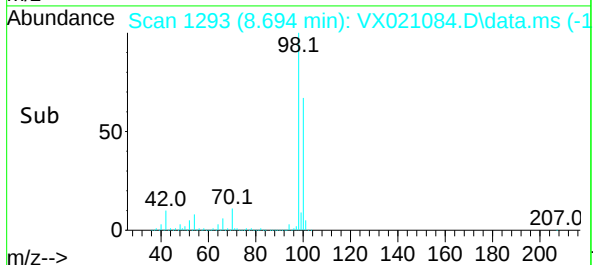
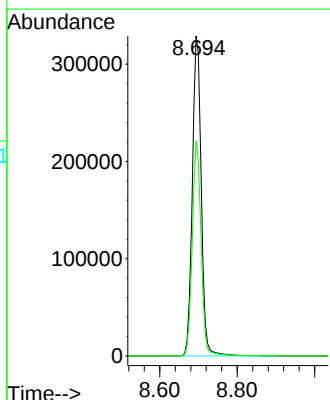
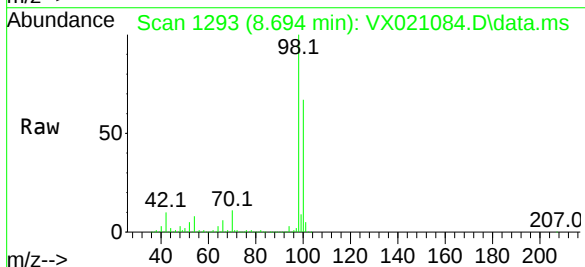
Acq: 09 Mar 2021 00:44

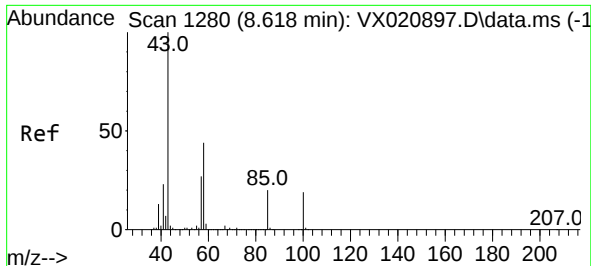
Tgt Ion: 98 Resp: 524944

Ion Ratio Lower Upper

98 100

100 66.3 51.9 77.9

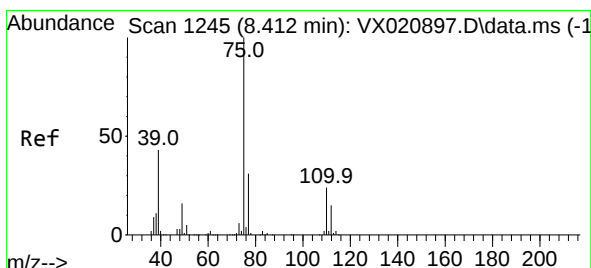
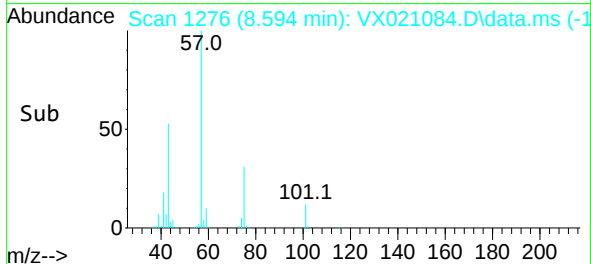
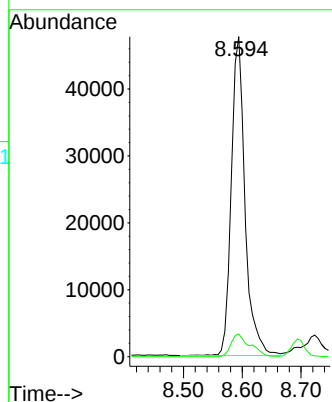
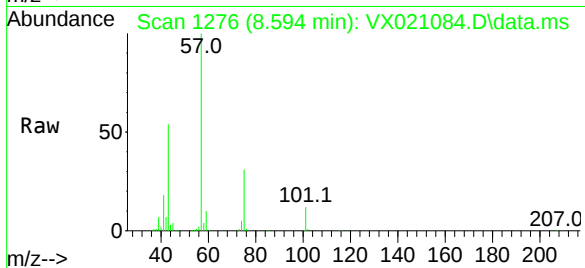




#51
4-Methyl-2-Pentanone
Concen: 21.11 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

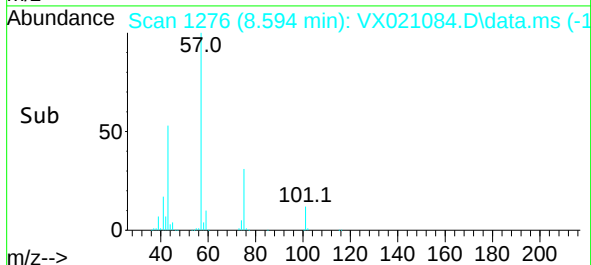
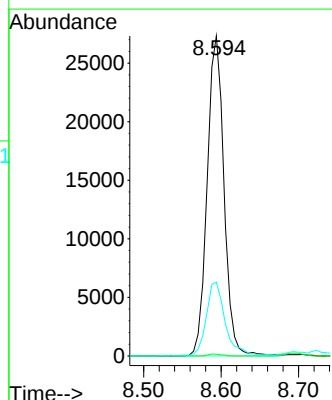
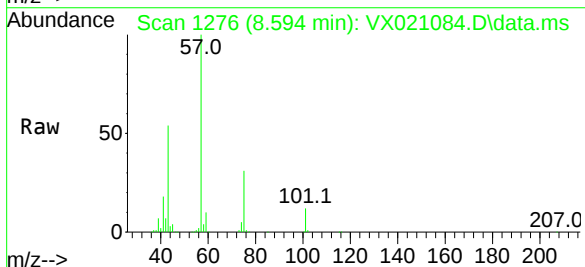
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

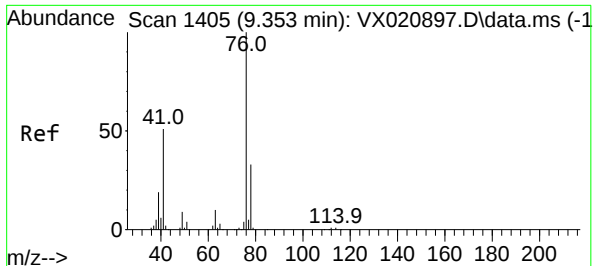
Tgt Ion: 43 Resp: 77326
Ion Ratio Lower Upper
43 100
58 9.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 8.19 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 75 Resp: 41193
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 22.9 35.1 52.7#

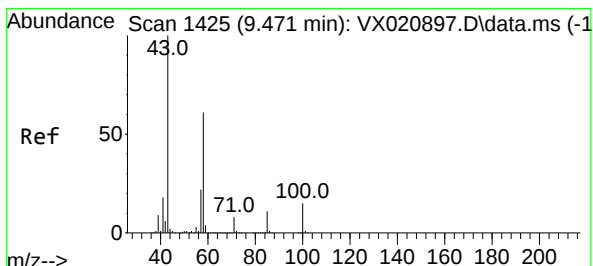
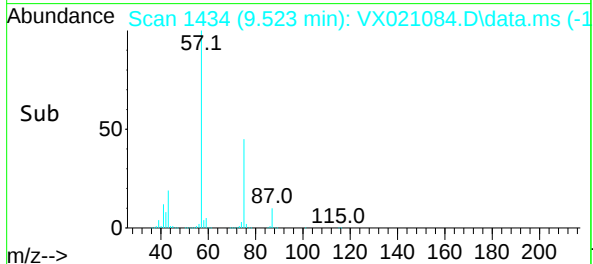
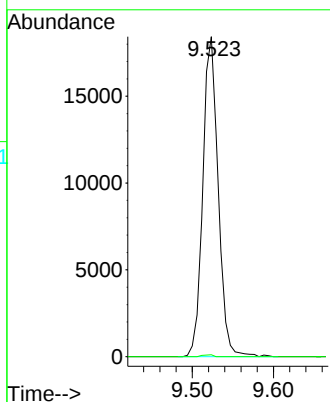
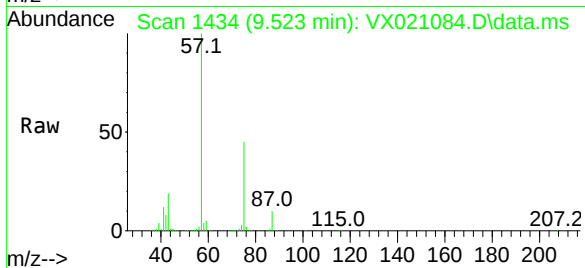




#57
1,3-Dichloropropane
Concen: 4.92 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.170 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

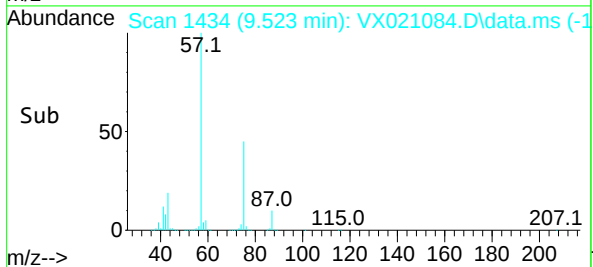
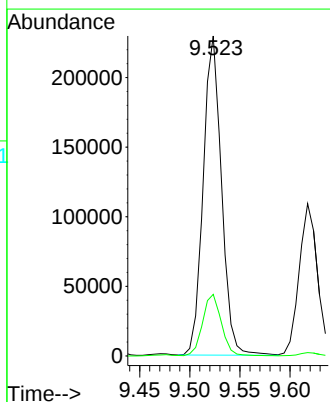
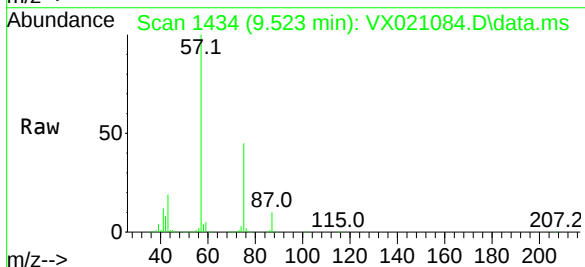
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

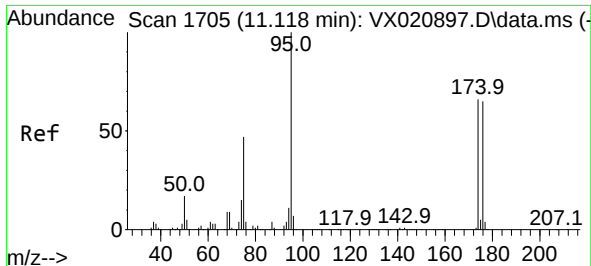
Tgt Ion: 76 Resp: 24180
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#



#59
2-Hexanone
Concen: 106.27 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 43 Resp: 292094
Ion Ratio Lower Upper
43 100
58 19.9 30.9 92.8#

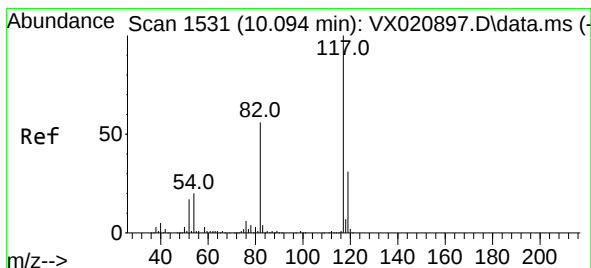
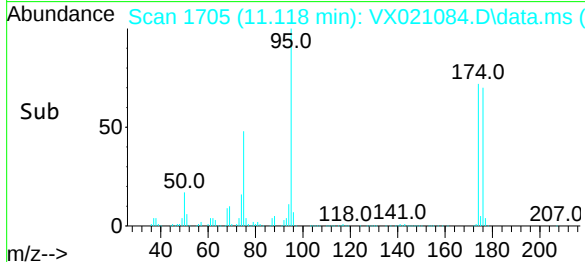
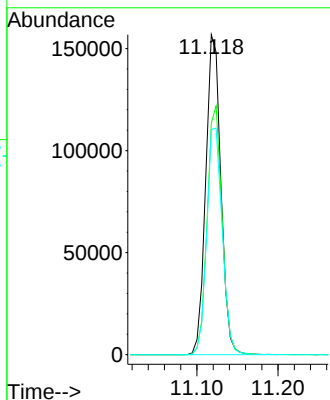
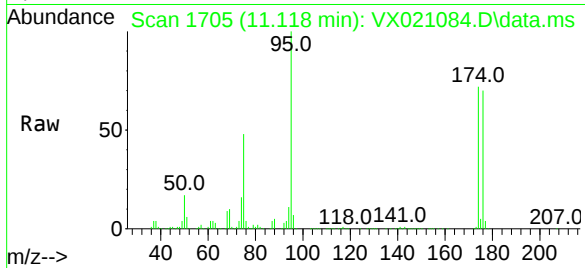




#62
4-Bromofluorobenzene
Concen: 56.44 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

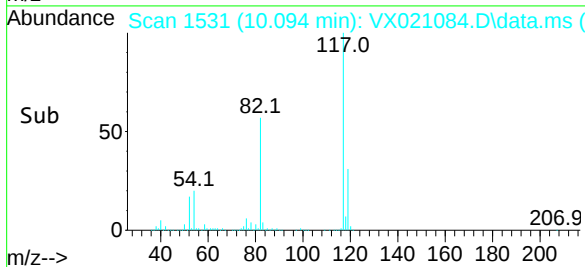
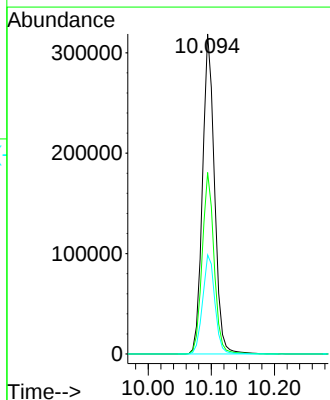
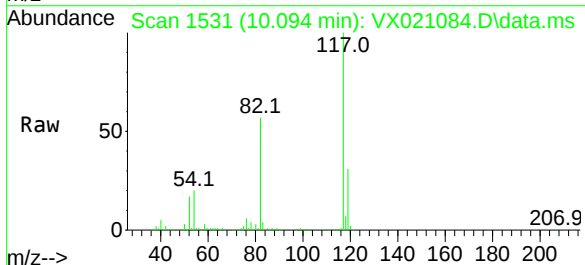
Instrument :
MSVOA_X
ClientSampleId :
PB135028ZHE#02

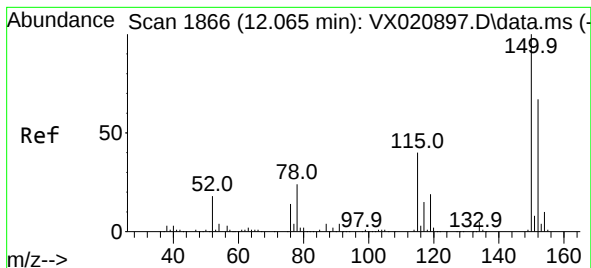
Tgt Ion: 95 Resp: 202227
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.6
176 72.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021084.D
Acq: 09 Mar 2021 00:44

Tgt Ion: 117 Resp: 420075
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.0 26.6 39.8

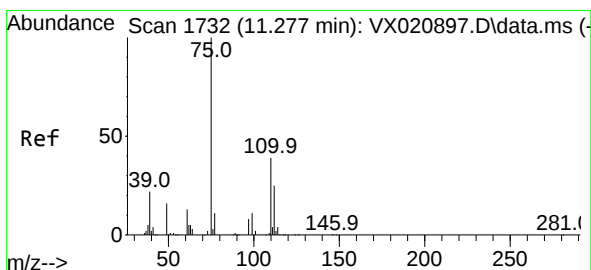
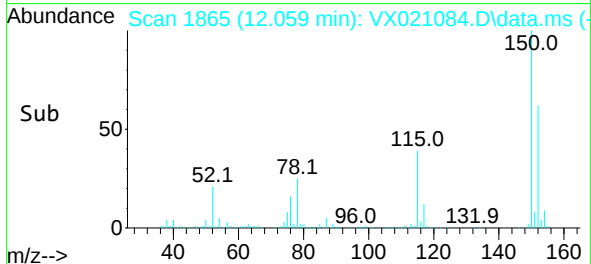
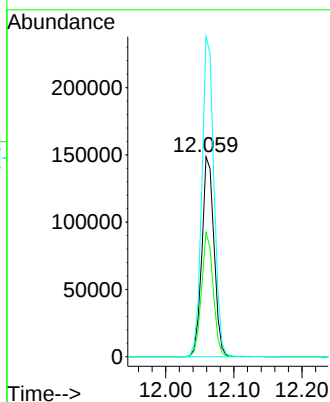
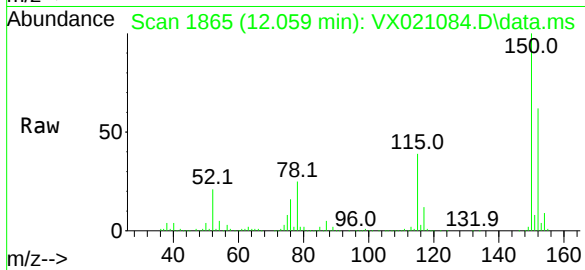




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. -0.006 min
 Lab File: VX021084.D
 Acq: 09 Mar 2021 00:44

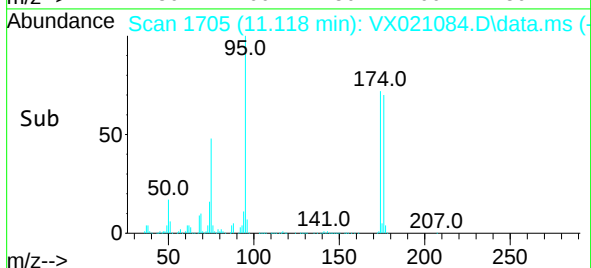
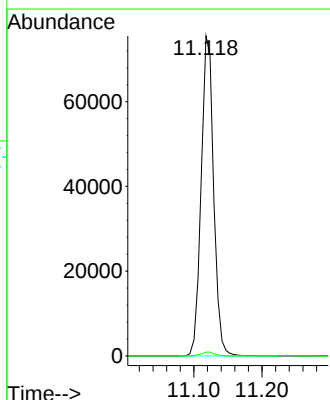
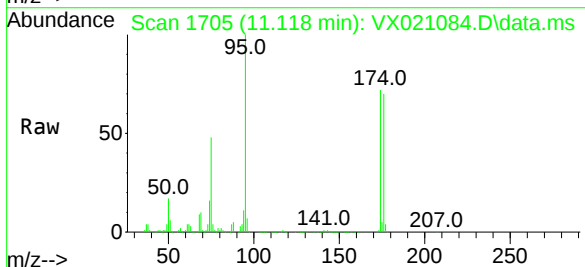
Instrument :
 MSVOA_X
 ClientSampleId :
 PB135028ZHE#02

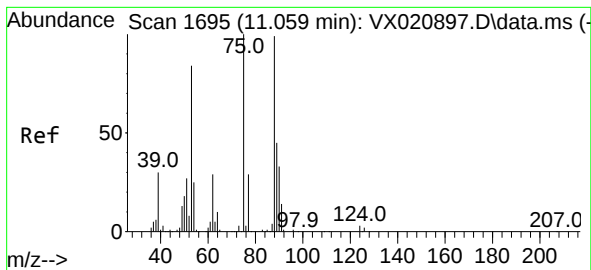
Tgt Ion:152 Resp: 184586
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 159.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.22 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021084.D
 Acq: 09 Mar 2021 00:44

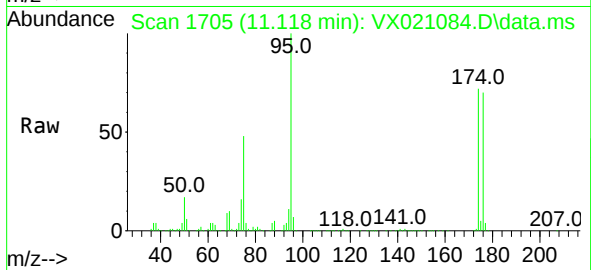
Tgt Ion: 75 Resp: 96184
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.63 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021084.D
 Acq: 09 Mar 2021 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135028ZHE#02



Tgt Ion: 75 Resp: 96184
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

