

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021976.D
 Acq On : 13 May 2021 18:36
 Operator : JC/MD
 Sample : PB136362ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136362ZHE#02

Quant Time: May 14 04:40:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 08 05:38:18 2021
 Response via : Initial Calibration

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

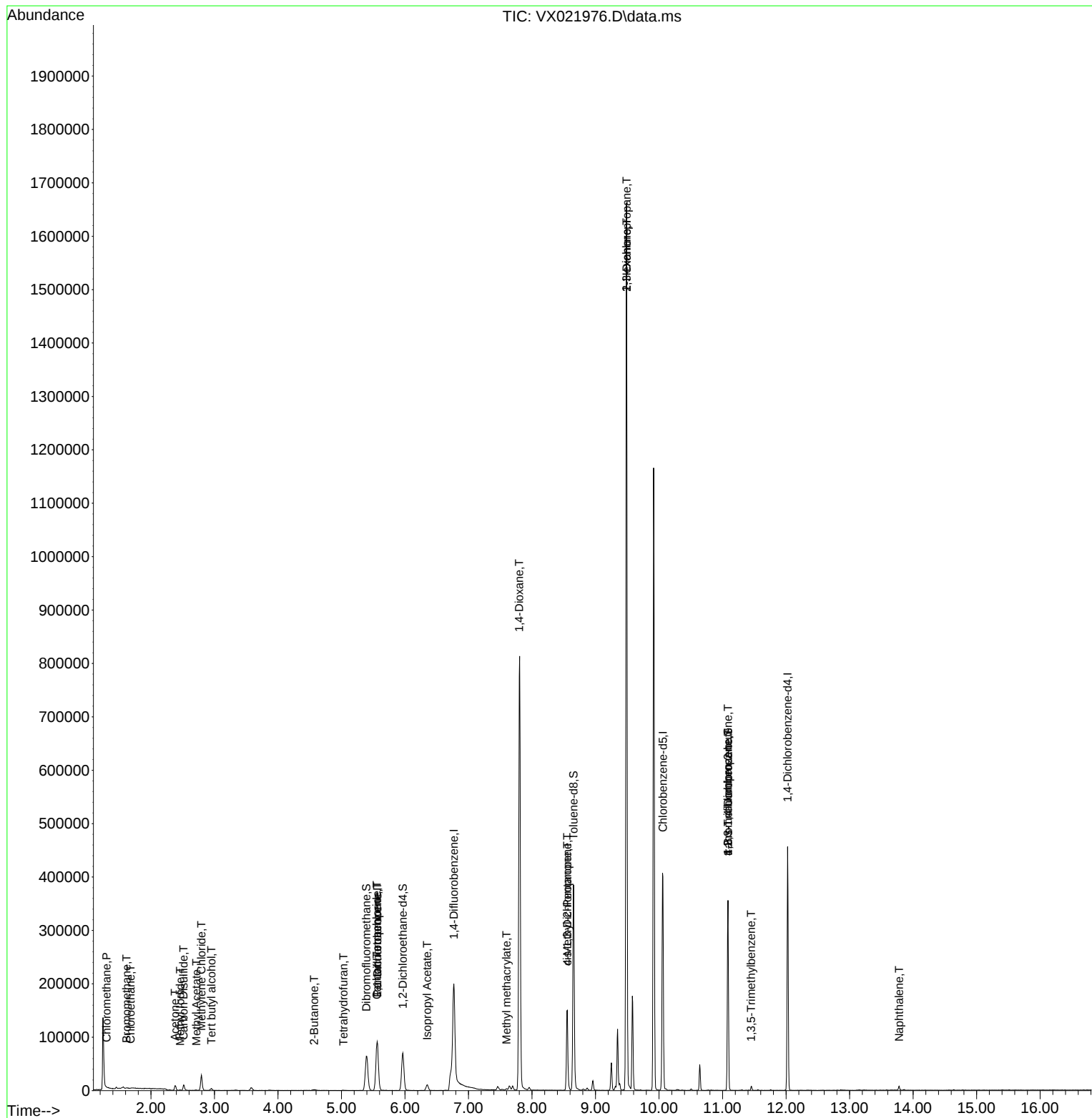
Internal Standards						
1) Pentafluorobenzene	5.562	168	79820	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	175011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	184480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82384	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	64268	48.92	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.84%		
35) Dibromofluoromethane	5.391	113	56514	47.12	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.24%		
50) Toluene-d8	8.653	98	220683	48.22	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.44%		
62) 4-Bromofluorobenzene	11.085	95	96061	53.18	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.36%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	372	0.29	ug/l	# 42
5) Bromomethane	1.617	94	226	0.42	ug/l	# 54
6) Chloroethane	1.678	64	481	0.63	ug/l	# 48
10) Methyl Iodide	2.459	142	639	0.53	ug/l	95
11) Tert butyl alcohol	2.953	59	1959	5.59	ug/l	# 73
13) Acrolein	2.239	56	120	Below Cal		# 14
16) Acetone	2.380	43	9689	16.45	ug/l	# 88
17) Carbon Disulfide	2.514	76	11870	3.94	ug/l	96
18) Methyl Acetate	2.715	43	1454	0.89	ug/l	# 64
20) Methylene Chloride	2.794	84	11993	9.99	ug/l	93
25) 2-Butanone	4.568	43	1927	1.90	ug/l	90
29) Tetrahydrofuran	5.031	42	382	0.63	ug/l	# 54
36) 1,1-Dichloropropene	5.562	75	7200	3.88	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	8875	4.78	ug/l	# 14
43) Isopropyl Acetate	6.348	43	14891	3.93	ug/l	95
48) Methyl methacrylate	7.598	41	3230	1.85	ug/l	# 10
49) 1,4-Dioxane	7.799	88	94	2.56	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	52707	22.33	ug/l	# 45
54) cis-1,3-Dichloropropene	8.555	75	26163	10.74	ug/l	# 62
57) 1,3-Dichloropropane	9.488	76	13927	5.71	ug/l	# 42
59) 2-Hexanone	9.488	43	187536	103.13	ug/l	# 45
76) 1,2,3-Trichloropropane	11.085	75	49735	21.23	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	3187	0.50	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	49735	49.26	ug/l	# 12
95) Naphthalene	13.780	128	4834	0.65	ug/l	98

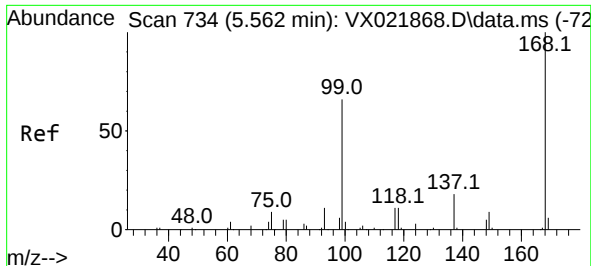
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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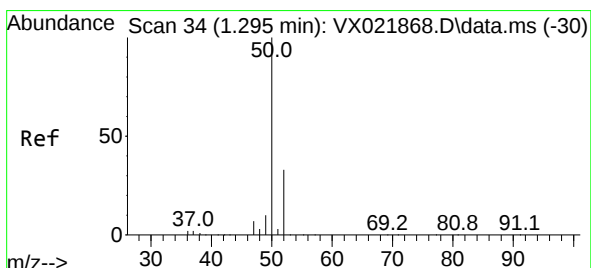
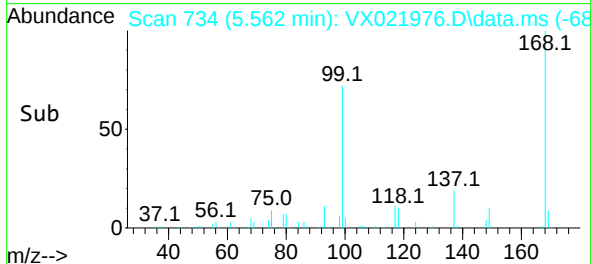
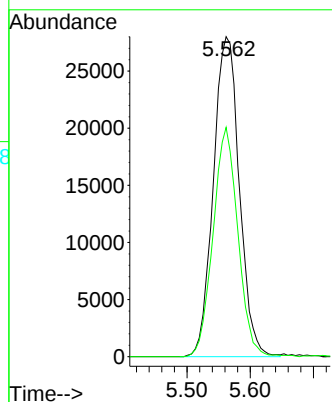
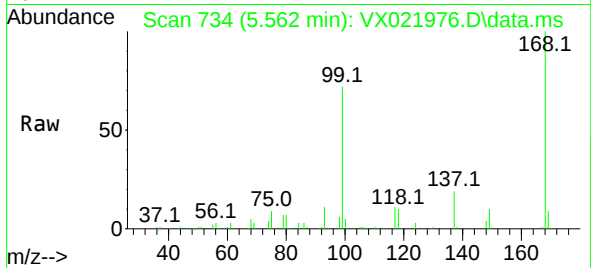




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

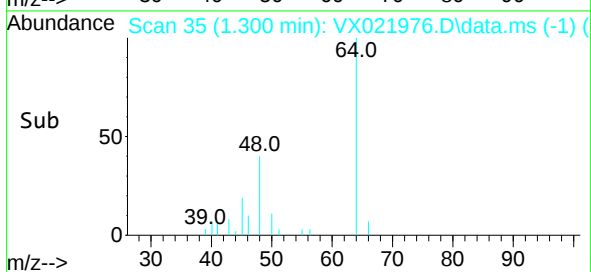
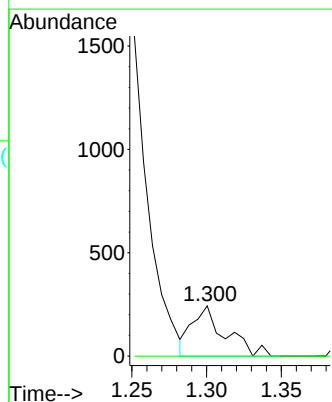
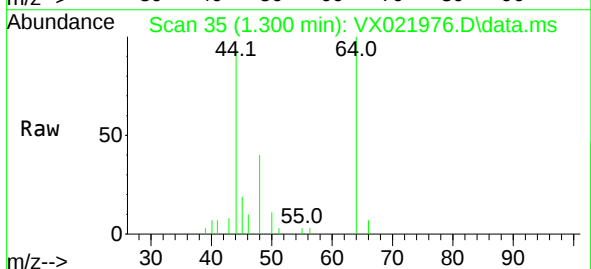
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

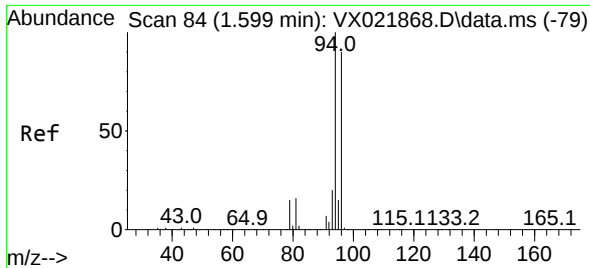
Tgt Ion:168 Resp: 79820
Ion Ratio Lower Upper
168 100
99 71.7 45.8 68.6#



#3
Chloromethane
Concen: 0.29 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 50 Resp: 372
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

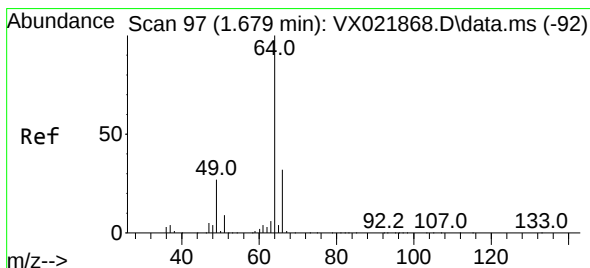
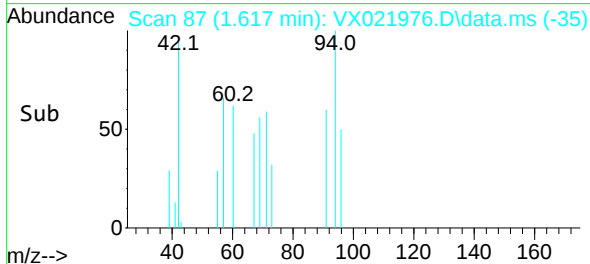
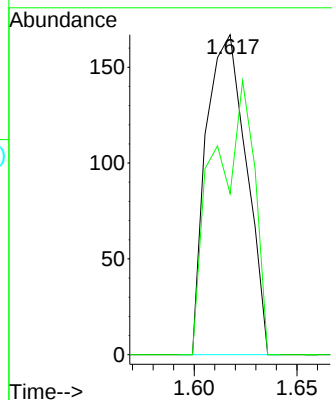
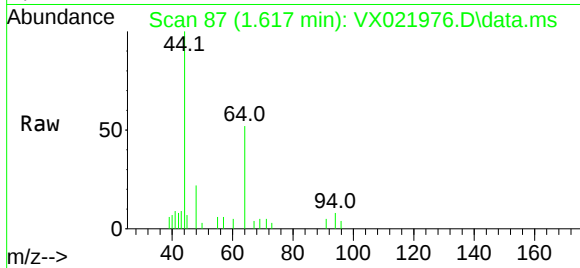




#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

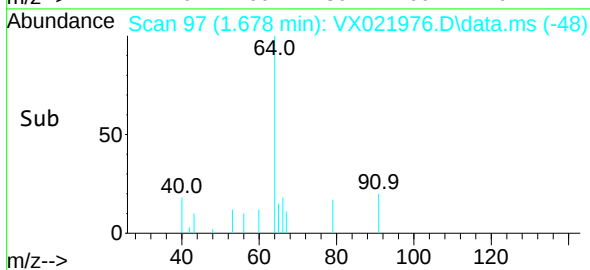
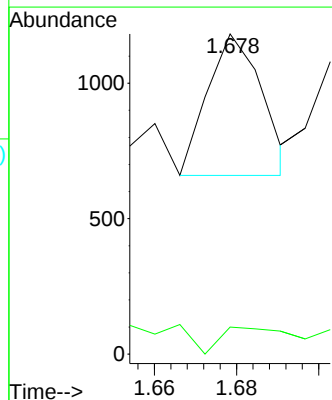
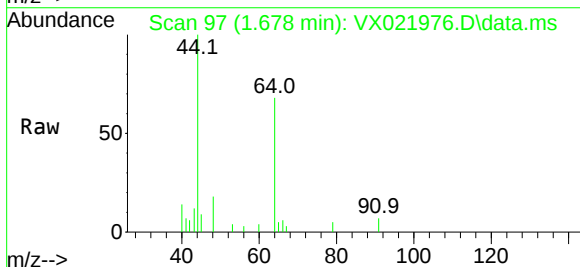
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

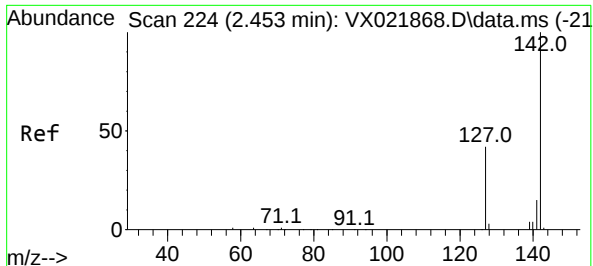
Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 50.3 76.4 114.6#



#6
Chloroethane
Concen: 0.63 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

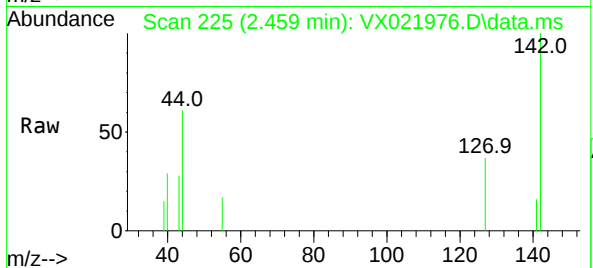
Tgt Ion: 64 Resp: 481
Ion Ratio Lower Upper
64 100
66 2.9 25.4 38.0#



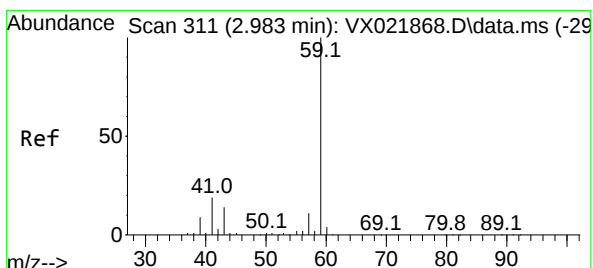
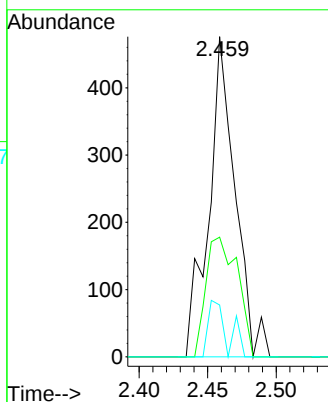
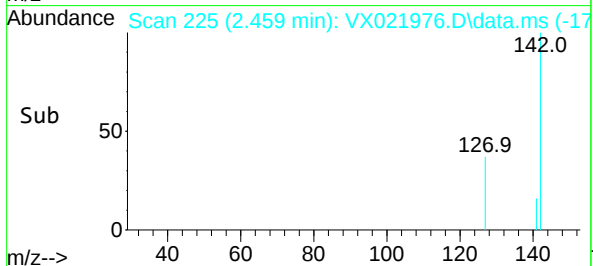


#10
Methyl Iodide
Concen: 0.53 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

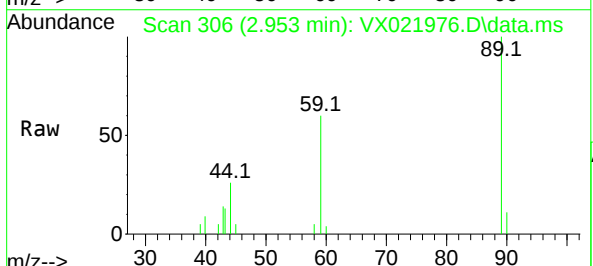
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02



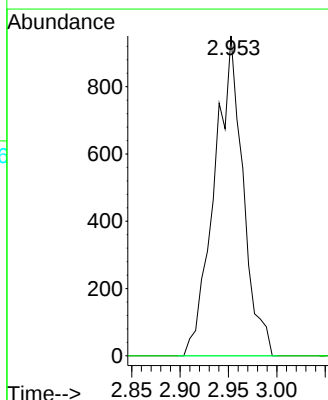
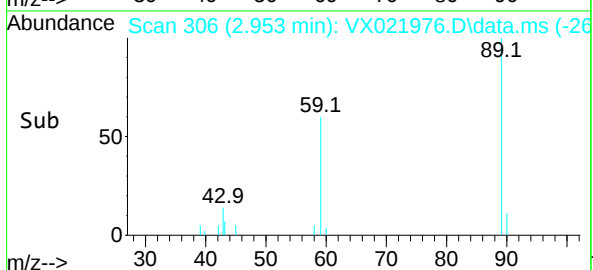
Tgt Ion:	142	Resp:	639
Ion	Ratio	Lower	Upper
142	100		
127	44.8	33.3	49.9
141	12.7	11.4	17.0

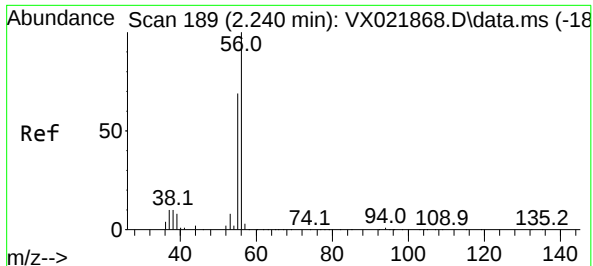


#11
Tert butyl alcohol
Concen: 5.59 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36



Tgt Ion:	59	Resp:	1959
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

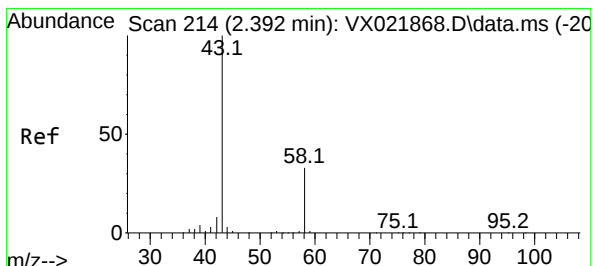
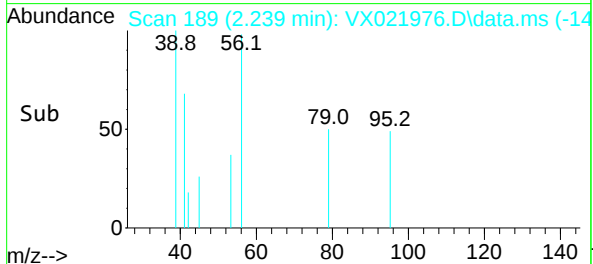
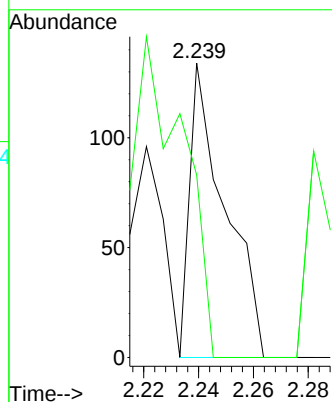
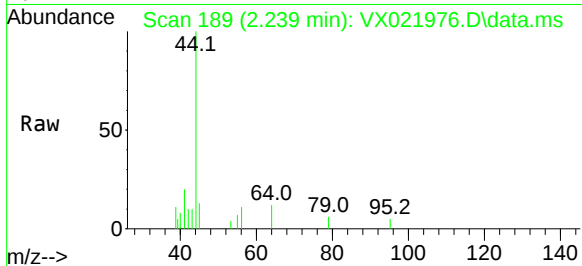




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

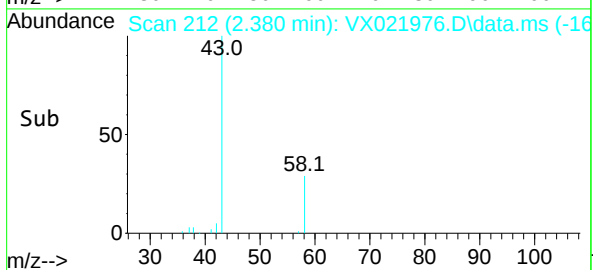
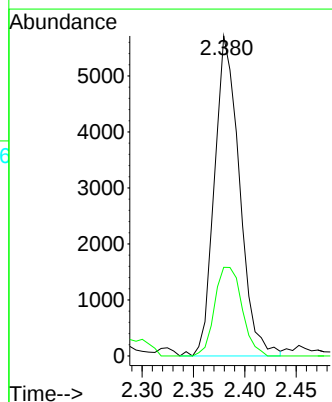
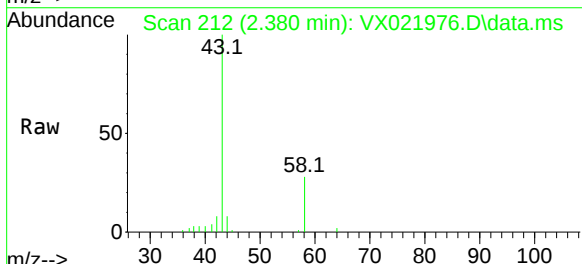
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

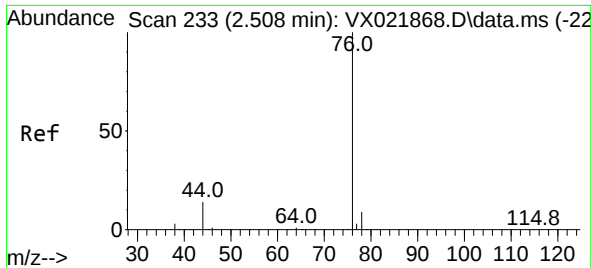
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 16.45 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 43 Resp: 9689
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#

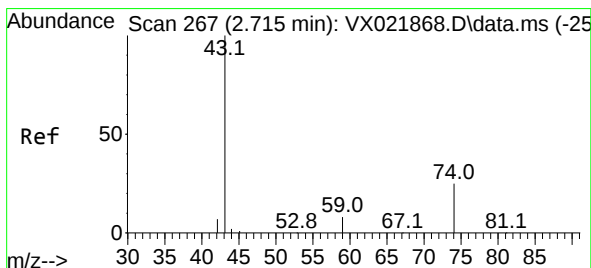
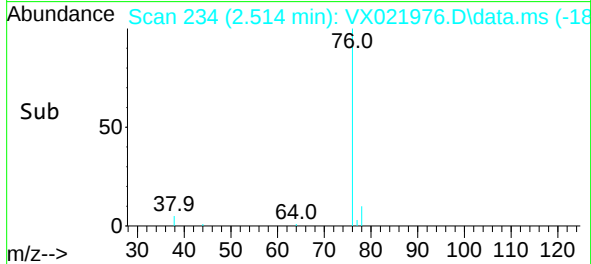
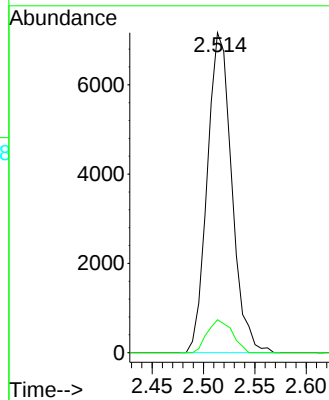
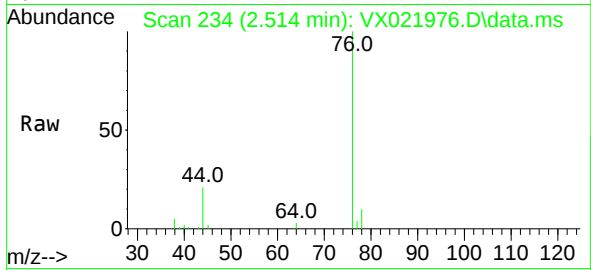




#17
Carbon Disulfide
Concen: 3.94 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

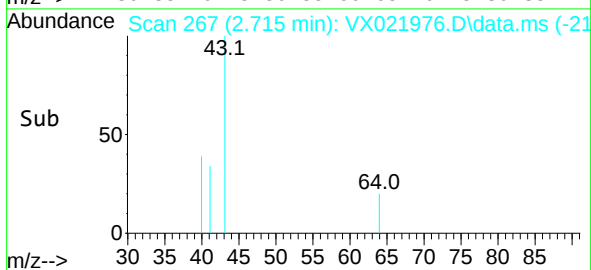
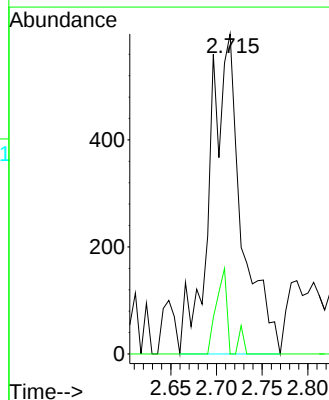
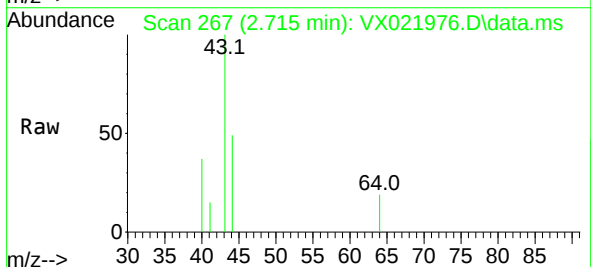
Instrument :
MSVOA_X
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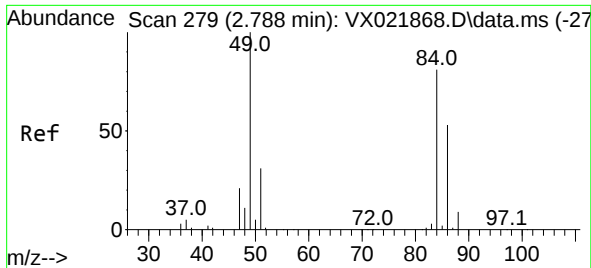
Tgt Ion: 76 Resp: 11870
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8



#18
Methyl Acetate
Concen: 0.89 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 43 Resp: 1454
Ion Ratio Lower Upper
43 100
74 8.6 21.9 32.9#



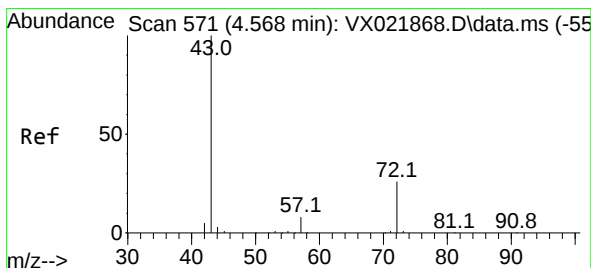
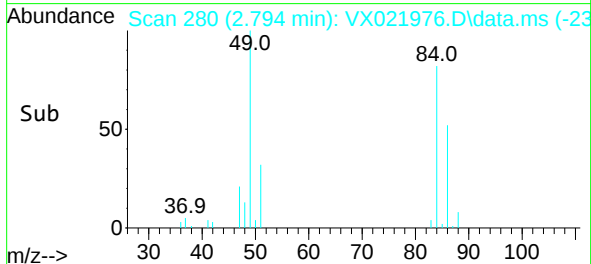
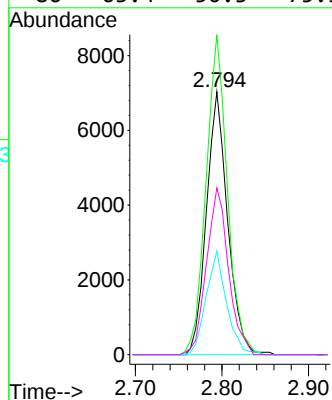
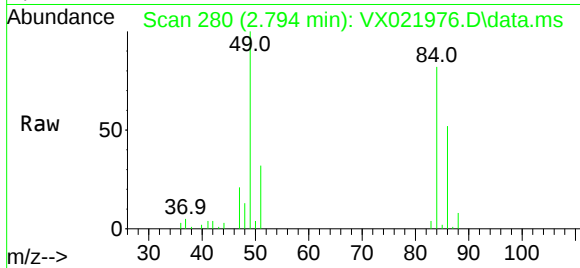


#20
Methylene Chloride
Concen: 9.99 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

Tgt Ion: 84 Resp: 11993

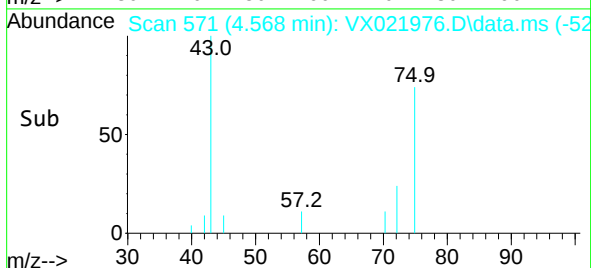
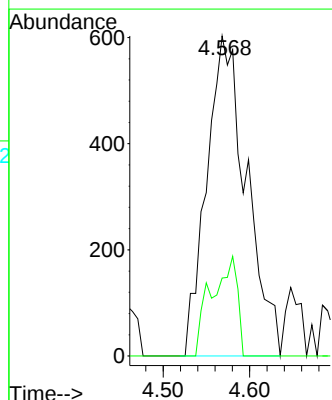
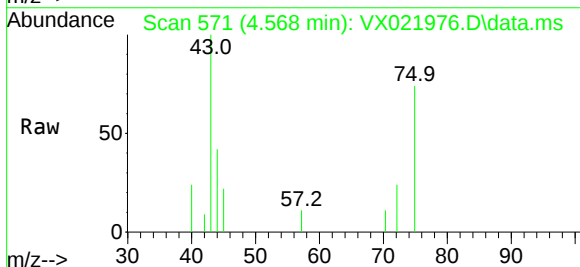
Ion	Ratio	Lower	Upper
84	100		
49	121.7	88.6	132.8
51	39.4	27.0	40.6
86	63.4	50.3	75.5

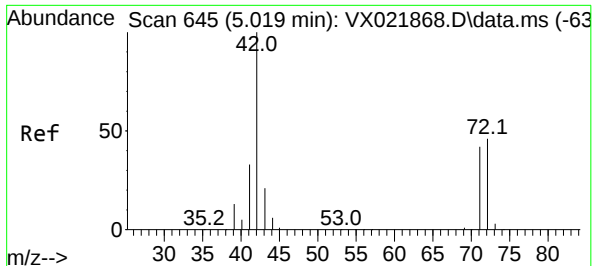


#25
2-Butanone
Concen: 1.90 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 43 Resp: 1927

Ion	Ratio	Lower	Upper
43	100		
72	24.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.63 ug/l

RT: 5.031 min Scan# 647

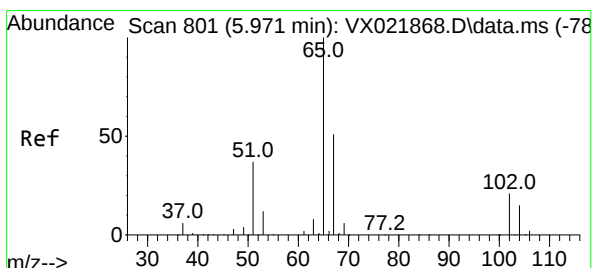
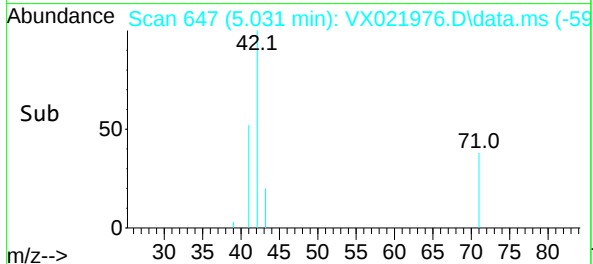
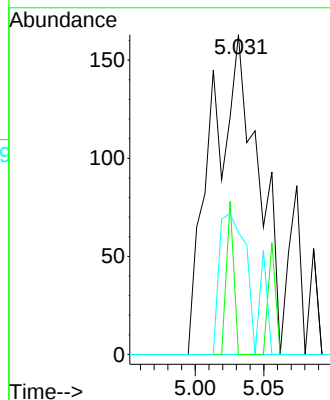
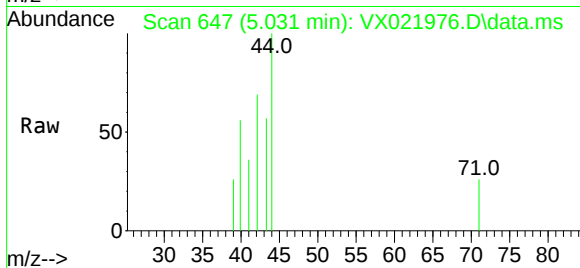
Delta R.T. 0.012 min

Lab File: VX021976.D

Acq: 13 May 2021 18:36

Tgt Ion:	42	Resp:	382
Ion	Ratio	Lower	Upper
42	100		
72	7.6	41.7	62.5#
71	29.8	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02



#33

1,2-Dichloroethane-d4

Concen: 48.92 ug/l

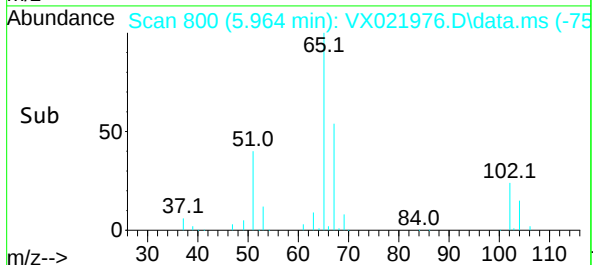
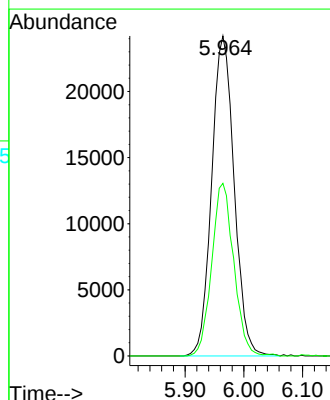
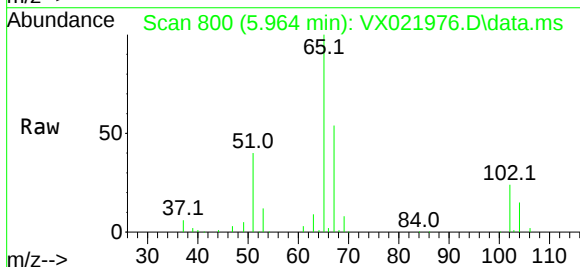
RT: 5.964 min Scan# 800

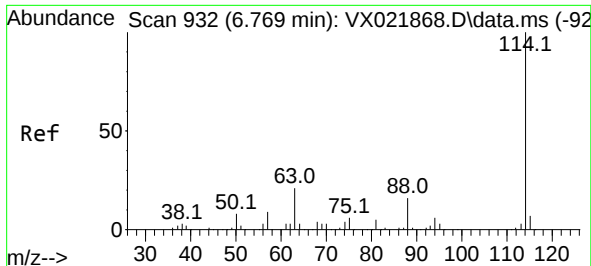
Delta R.T. -0.007 min

Lab File: VX021976.D

Acq: 13 May 2021 18:36

Tgt Ion:	65	Resp:	64268
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.4

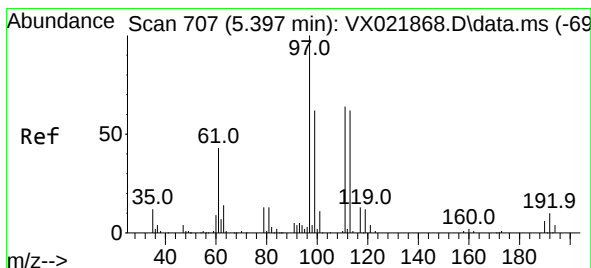
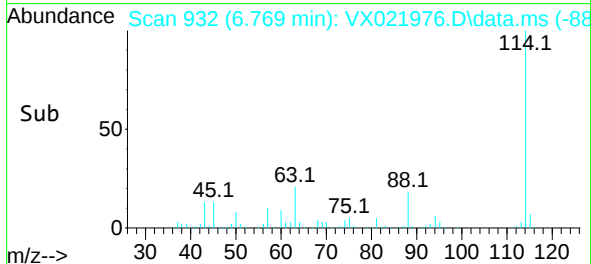
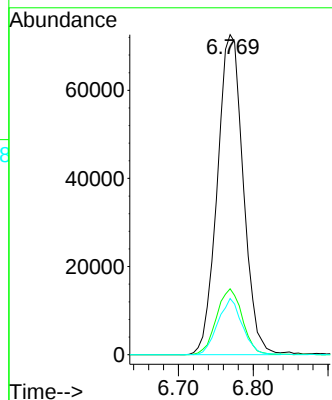
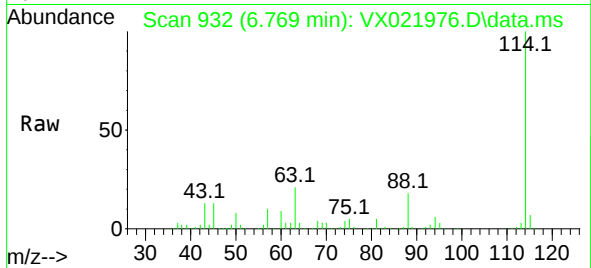




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

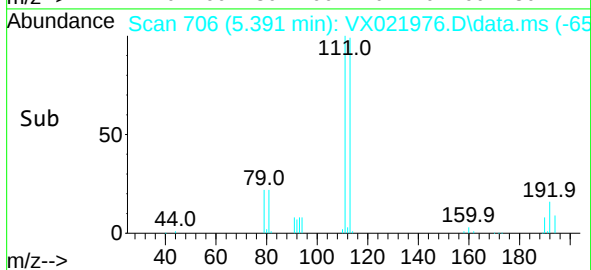
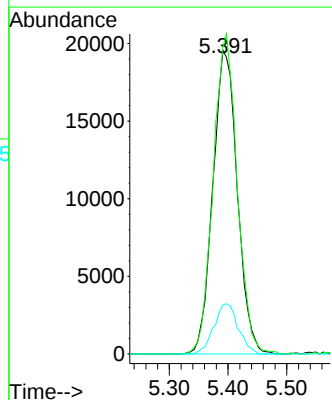
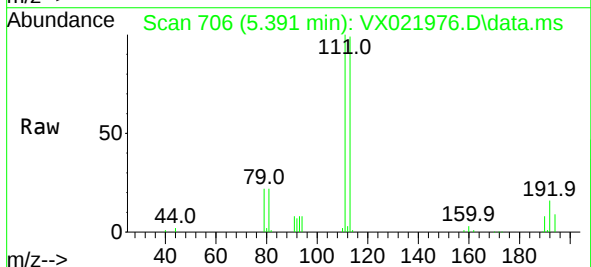
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

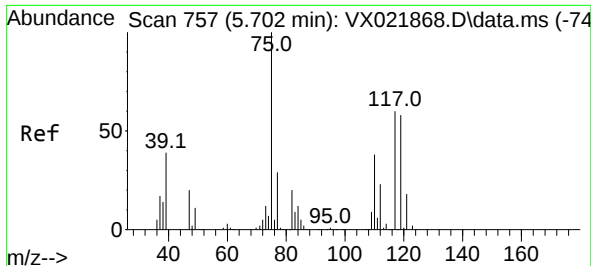
Tgt Ion:114 Resp: 175011
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 17.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.12 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion:113 Resp: 56514
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 16.4 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 3.88 ug/l

RT: 5.562 min Scan# 734

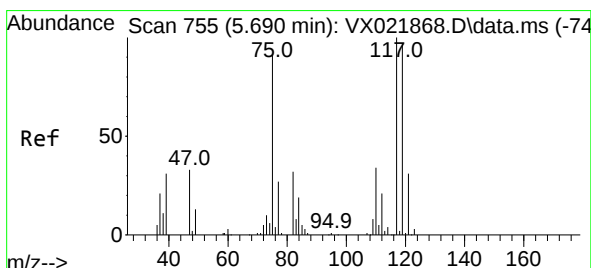
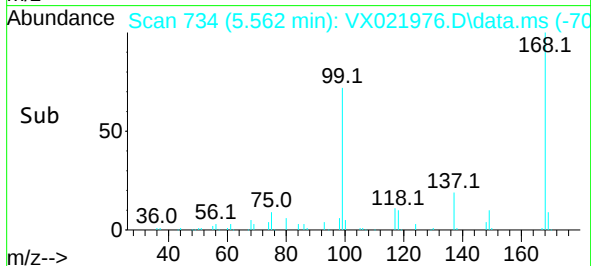
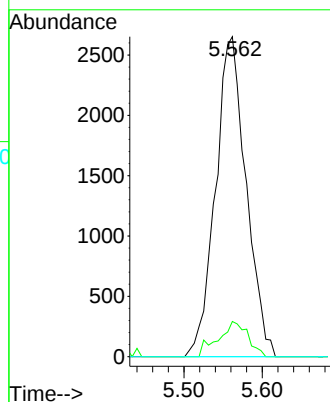
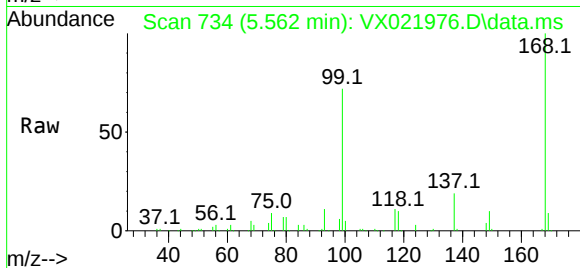
Delta R.T. -0.140 min

Lab File: VX021976.D

Acq: 13 May 2021 18:36

Tgt Ion:	75	Resp:	7200
Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02



#38

Carbon Tetrachloride

Concen: 4.78 ug/l

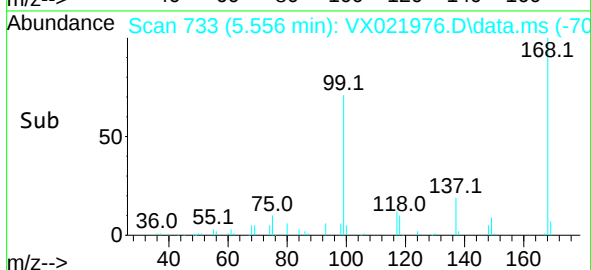
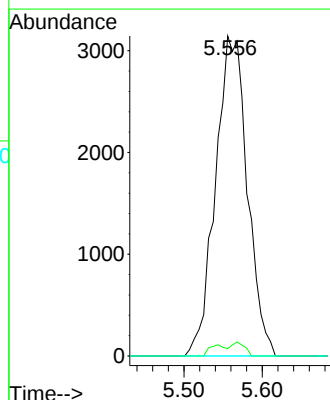
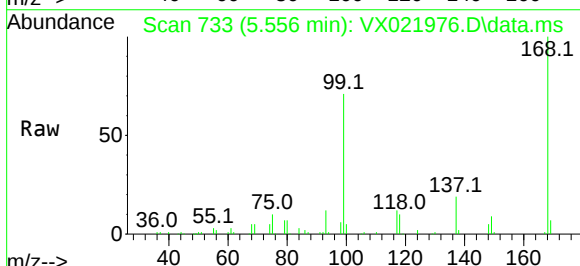
RT: 5.556 min Scan# 733

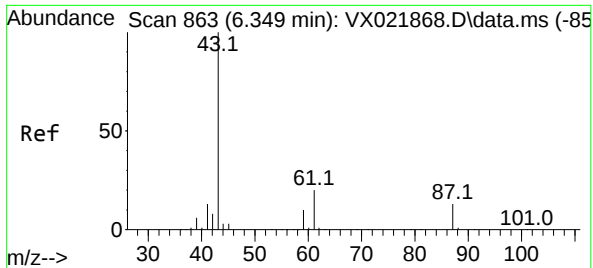
Delta R.T. -0.134 min

Lab File: VX021976.D

Acq: 13 May 2021 18:36

Tgt Ion:	117	Resp:	8875
Ion	Ratio	Lower	Upper
117	100		
119	2.3	76.2	114.2#
121	0.0	24.8	37.2#

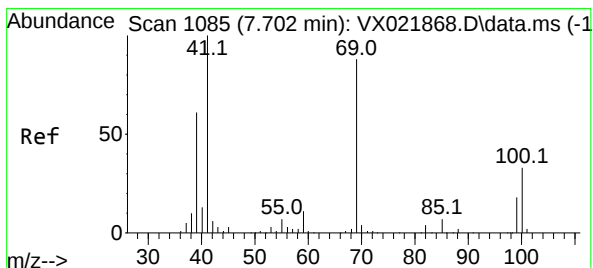
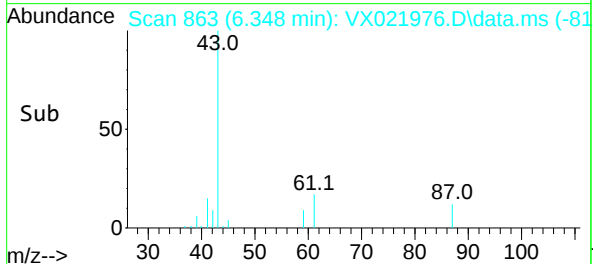
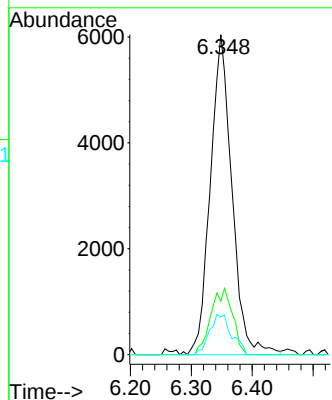
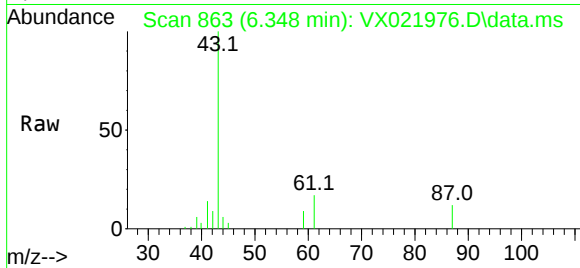




#43
Isopropyl Acetate
Concen: 3.93 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

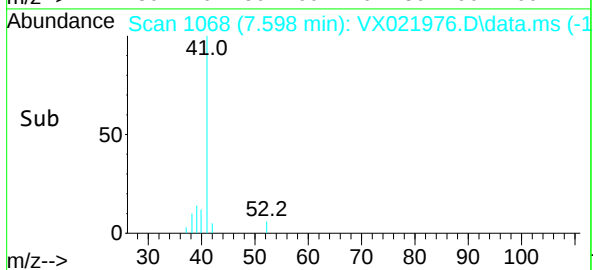
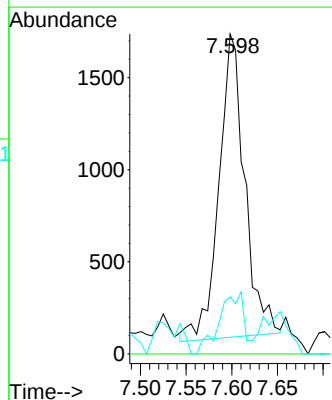
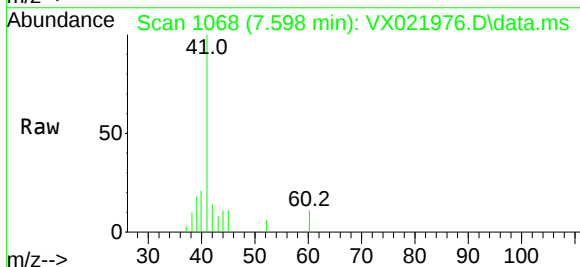
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

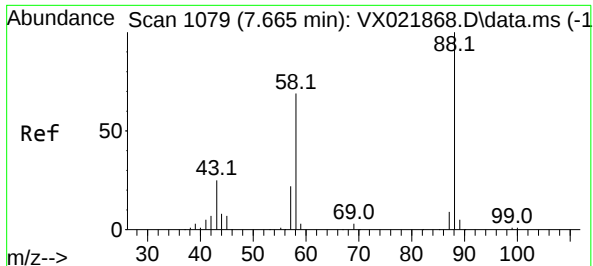
Tgt Ion: 43	Resp: 14891
Ion Ratio	Lower Upper
43 100	
61 20.9	18.2 27.4
87 12.8	12.5 18.7



#48
Methyl methacrylate
Concen: 1.85 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 41	Resp: 3230
Ion Ratio	Lower Upper
41 100	
69 0.0	76.0 114.0#
39 0.0	44.6 67.0#

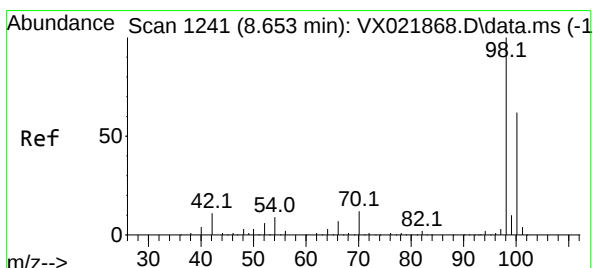
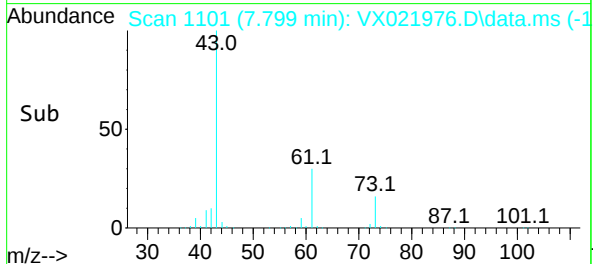
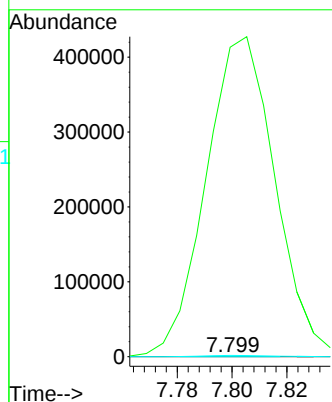
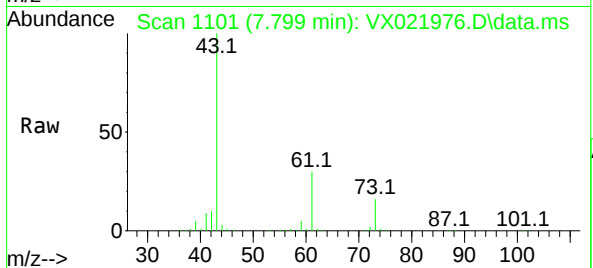




#49
1,4-Dioxane
Concen: 2.56 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

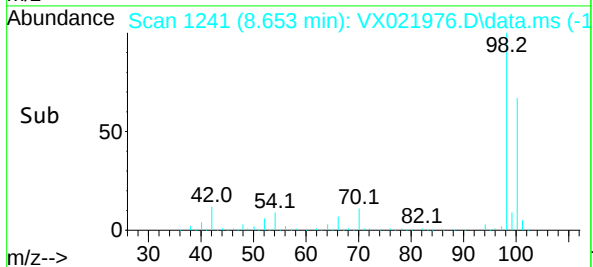
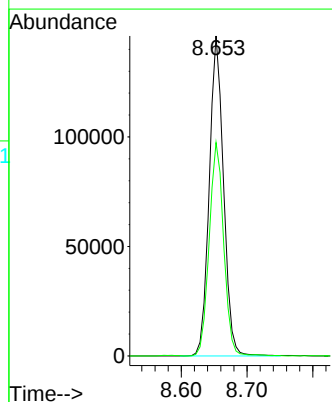
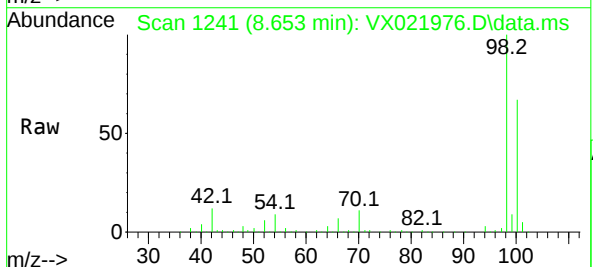
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

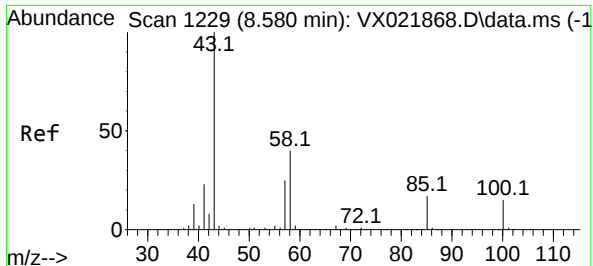
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 806344.7 23.2 34.8#
58 3128.7 55.0 82.4#



#50
Toluene-d8
Concen: 48.22 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 98 Resp: 220683
Ion Ratio Lower Upper
98 100
100 67.7 51.9 77.9

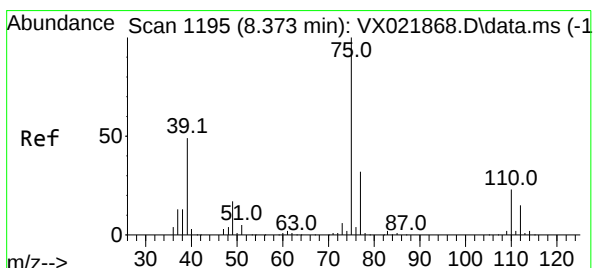
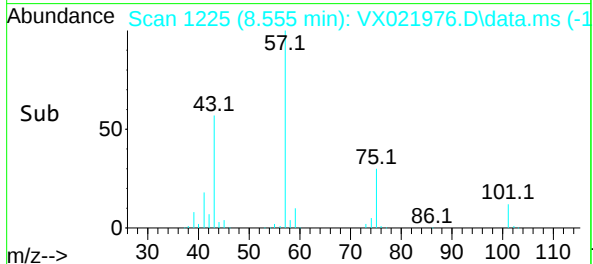
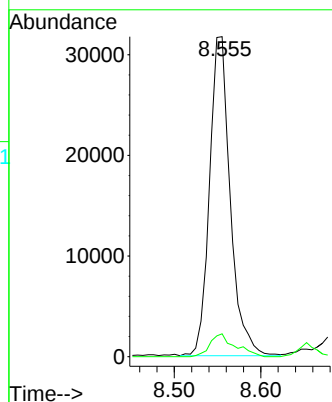
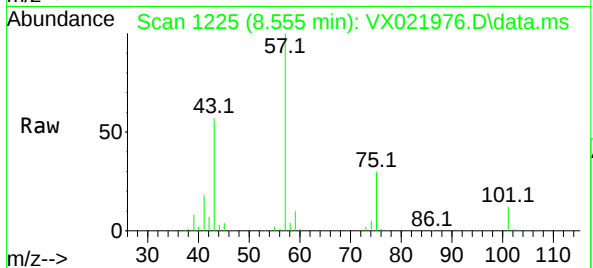




#51
4-Methyl-2-Pentanone
Concen: 22.33 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

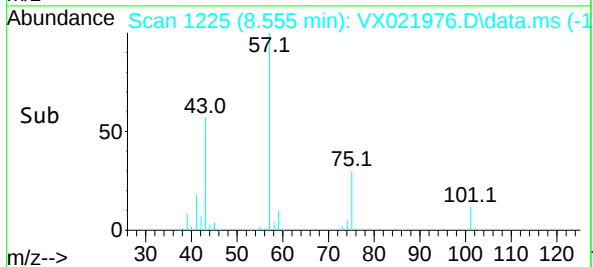
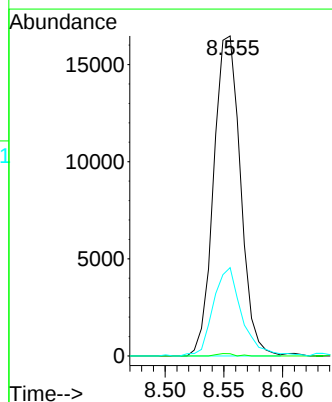
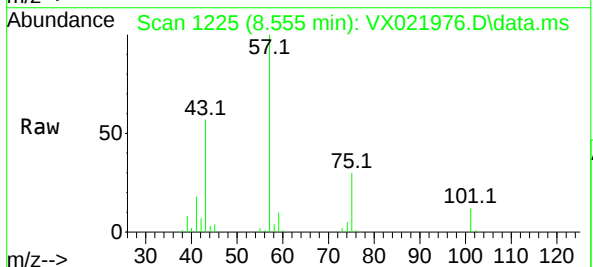
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

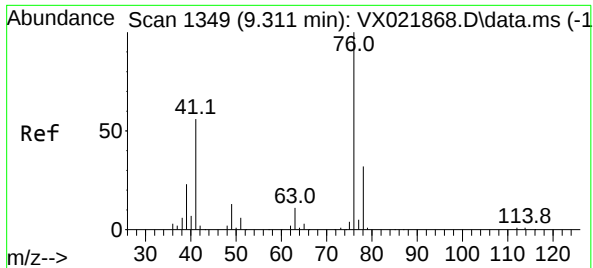
Tgt Ion: 43 Resp: 52707
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.74 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 75 Resp: 26163
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 27.6 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 5.71 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX021976.D

Acq: 13 May 2021 18:36

Tgt Ion: 76 Resp: 13927

Ion Ratio Lower Upper

76 100

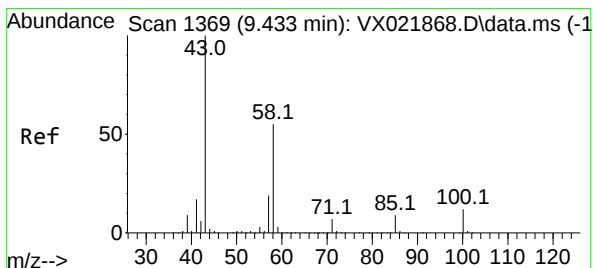
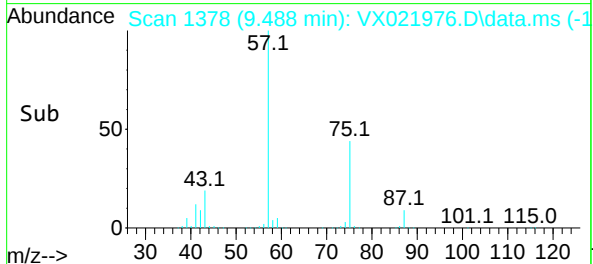
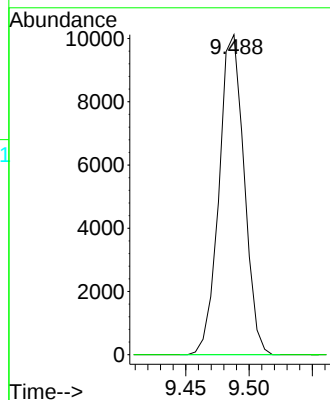
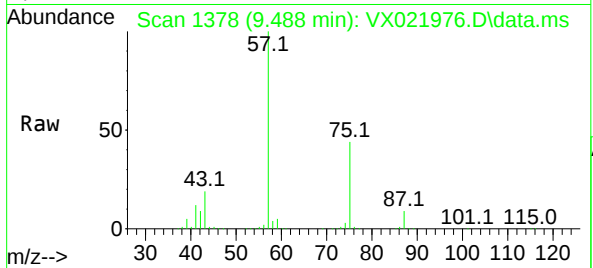
78 0.0 26.2 39.2#

Instrument :

MSVOA_X

ClientSampleId :

PB136362ZHE#02



#59

2-Hexanone

Concen: 103.13 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX021976.D

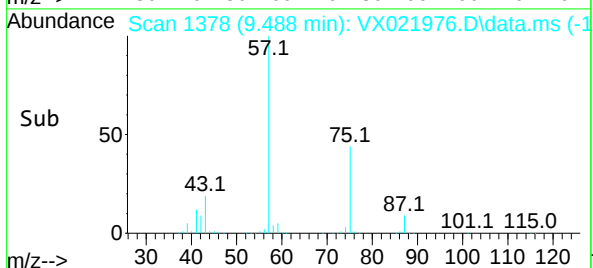
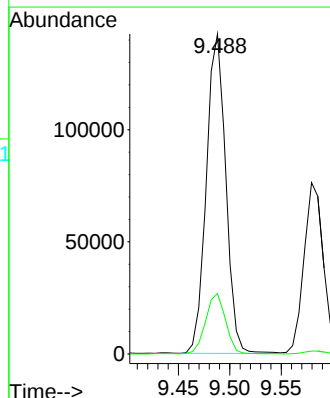
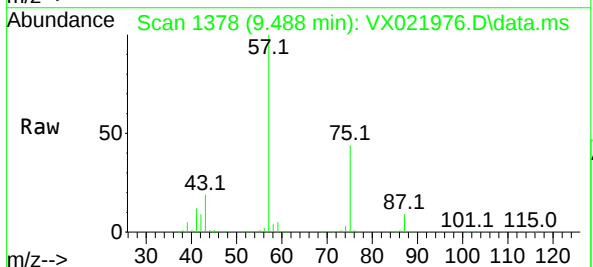
Acq: 13 May 2021 18:36

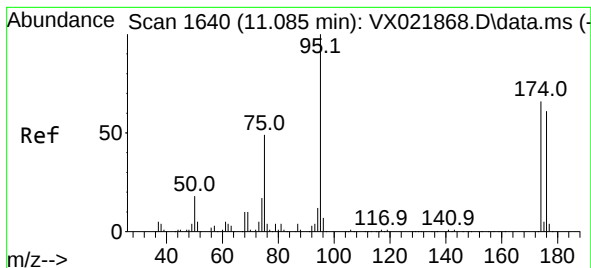
Tgt Ion: 43 Resp: 187536

Ion Ratio Lower Upper

43 100

58 19.4 30.9 92.8#

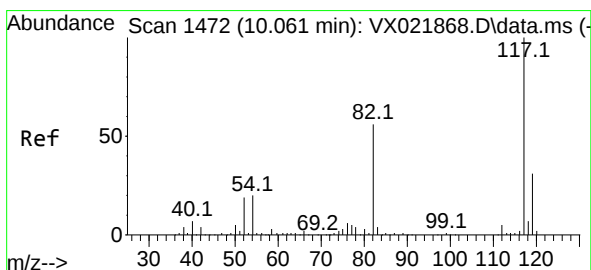
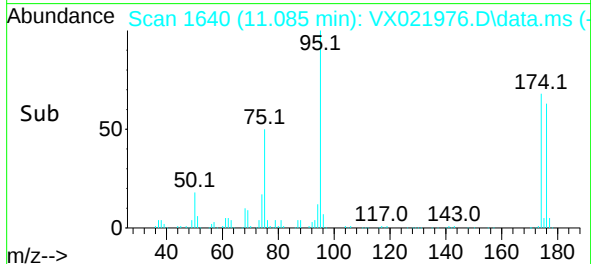
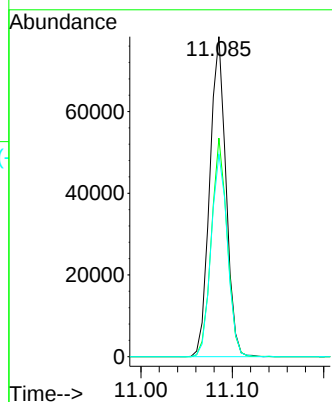
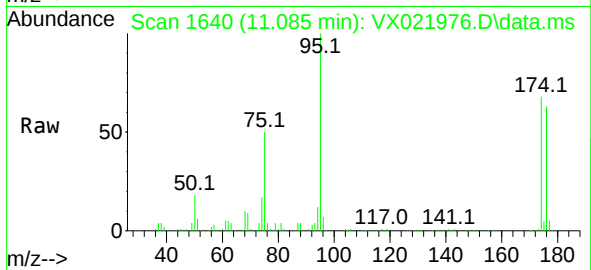




#62
4-Bromofluorobenzene
Concen: 53.18 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

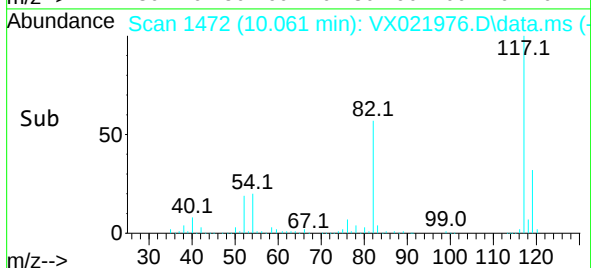
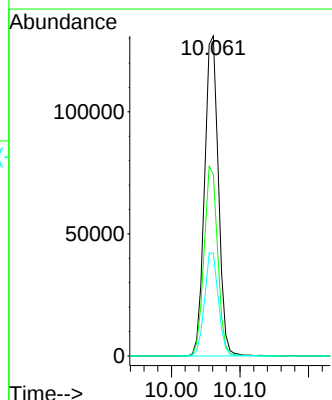
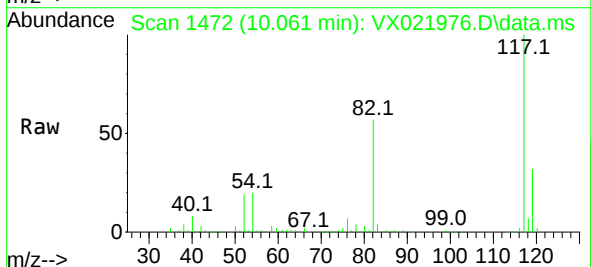
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

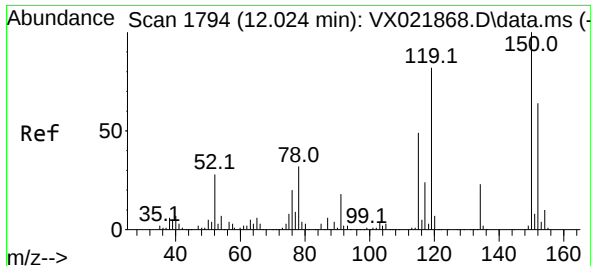
Tgt Ion: 95 Resp: 96061
Ion Ratio Lower Upper
95 100
174 66.6 0.0 154.6
176 64.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 117 Resp: 184480
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 32.2 26.6 39.8

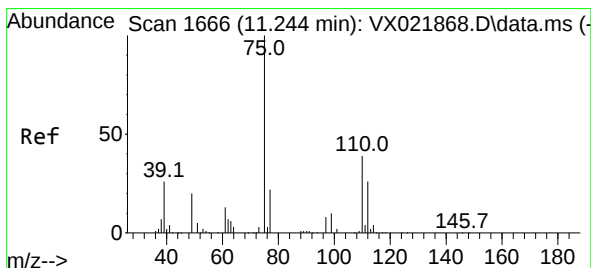
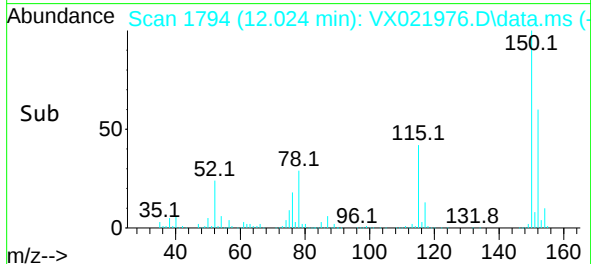
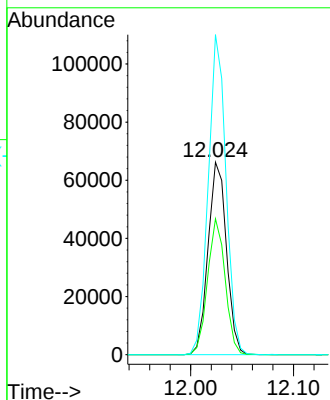
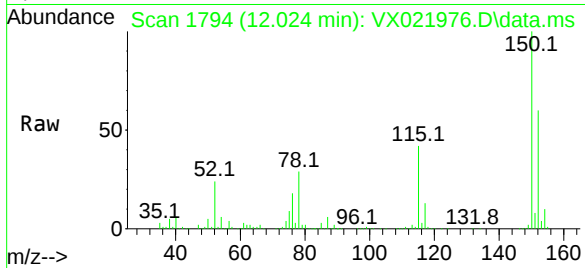




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX021976.D
 Acq: 13 May 2021 18:36

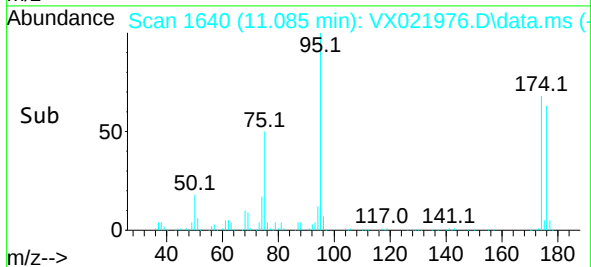
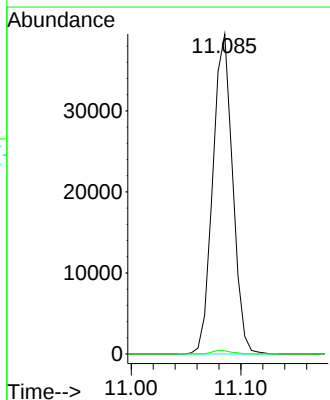
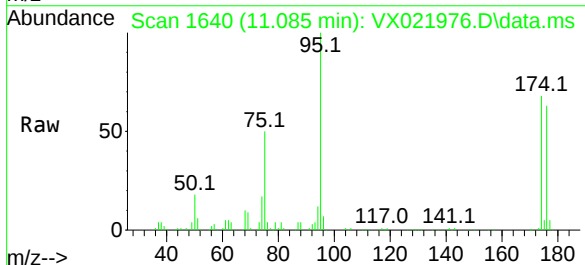
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136362ZHE#02

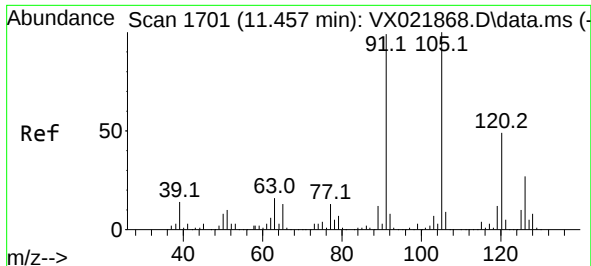
Tgt Ion:152 Resp: 82384
 Ion Ratio Lower Upper
 152 100
 115 67.5 41.1 123.3
 150 159.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.23 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX021976.D
 Acq: 13 May 2021 18:36

Tgt Ion: 75 Resp: 49735
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

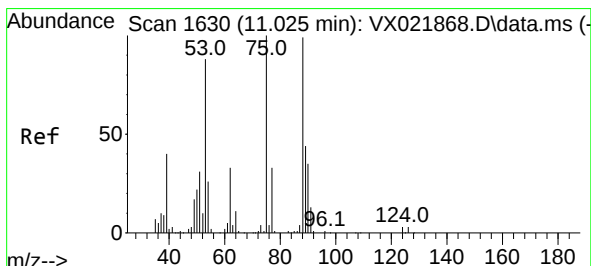
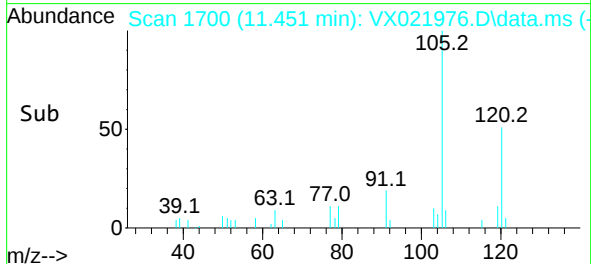
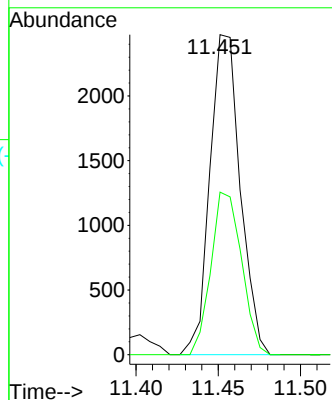
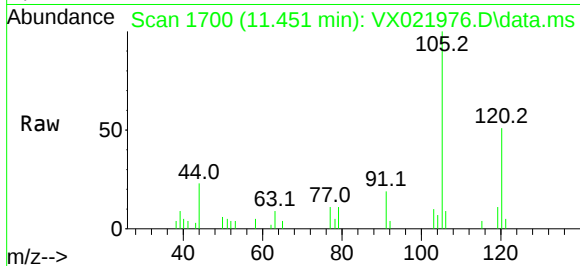




#80
1,3,5-Trimethylbenzene
Concen: 0.50 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

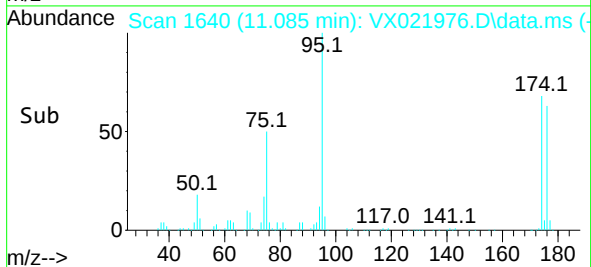
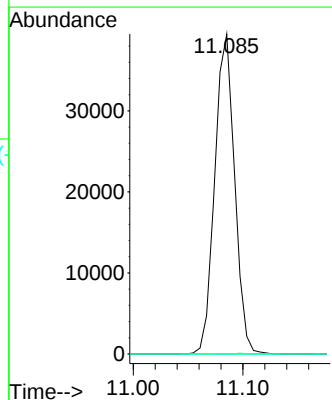
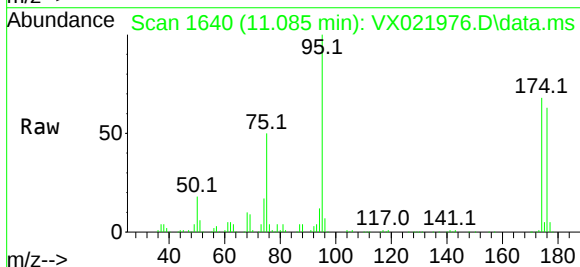
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

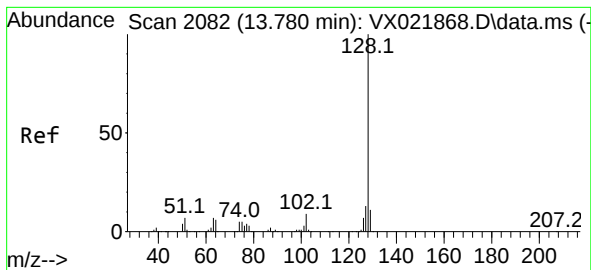
Tgt Ion:105 Resp: 3187
Ion Ratio Lower Upper
105 100
120 51.1 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 49.26 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Tgt Ion: 75 Resp: 49735
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 0.65 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX021976.D
Acq: 13 May 2021 18:36

Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#02

Tgt Ion:128 Resp: 4834
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 10.4 8.8 13.2

