

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021082.D
 Acq On : 08 Mar 2021 23:58
 Operator : JC/MD
 Sample : PB135028TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135028TB

Quant Time: Mar 09 04:23:05 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	5.623	168	224306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	405329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	393749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	176996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	146020	48.19	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.38%		
35) Dibromofluoromethane	5.464	113	128431	52.15	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.30%		
50) Toluene-d8	8.694	98	515001	53.63	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.26%		
62) 4-Bromofluorobenzene	11.118	95	191764	54.01	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.02%		
Target Compounds					Qvalue	
3) Chloromethane	1.317	50	801	0.30	ug/l #	87
5) Bromomethane	1.634	94	542	Below Cal		96
10) Methyl Iodide	2.499	142	1262	0.39	ug/l #	88
11) Tert butyl alcohol	2.993	59	4629	6.86	ug/l #	82
13) Acrolein	2.270	56	315	0.75	ug/l #	78
15) Acrylonitrile	3.111	53	366	0.25	ug/l #	80
16) Acetone	2.417	43	51741	41.44	ug/l	95
17) Carbon Disulfide	2.552	76	1880	0.26	ug/l	97
18) Methyl Acetate	2.746	43	1716	0.58	ug/l #	81
20) Methylene Chloride	2.834	84	17242	5.76	ug/l	96
25) 2-Butanone	4.641	43	11763	6.20	ug/l	97
29) Tetrahydrofuran	5.094	42	1618	1.33	ug/l	89
36) 1,1-Dichloropropene	5.629	75	16666	4.33	ug/l #	48
37) Ethyl Acetate	4.641	43	11763	3.21	ug/l #	64
38) Carbon Tetrachloride	5.629	117	20534	5.50	ug/l #	18
43) Isopropyl Acetate	6.411	43	20757	3.33	ug/l	98
48) Methyl methacrylate	7.847	41	107160	34.26	ug/l #	36
49) 1,4-Dioxane	7.847	88	225	3.08	ug/l #	1
51) 4-Methyl-2-Pentanone	8.594	43	76894	21.18	ug/l #	47
54) cis-1,3-Dichloropropene	8.594	75	40814	8.19	ug/l #	58
57) 1,3-Dichloropropane	9.524	76	24315	4.99	ug/l #	43
59) 2-Hexanone	9.418	43	10172	3.73	ug/l #	19
76) 1,2,3-Trichloropropane	11.118	75	92440	24.28	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	92440	53.75	ug/l #	12
94) Hexachlorobutadiene	13.765	225	330	0.23	ug/l	93

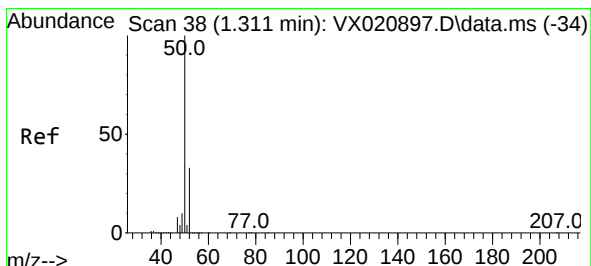
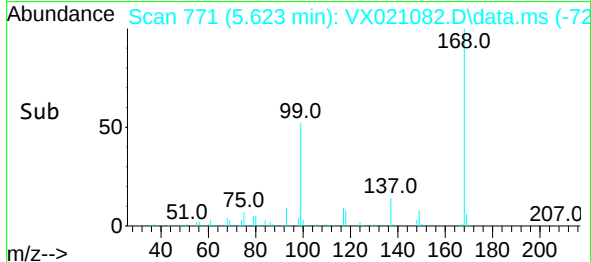
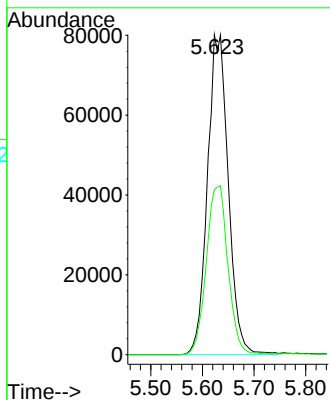
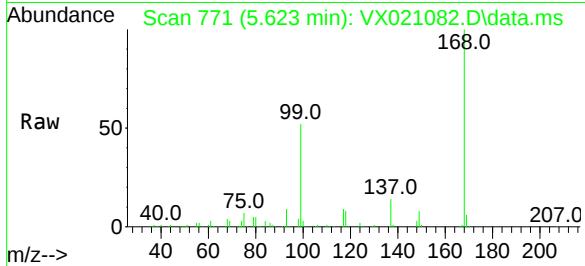
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.000 min
Lab File: VX021082.D
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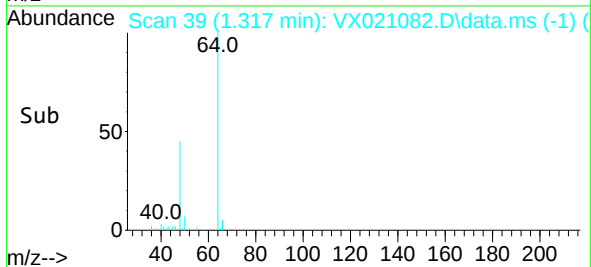
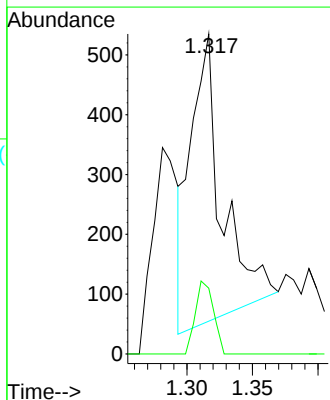
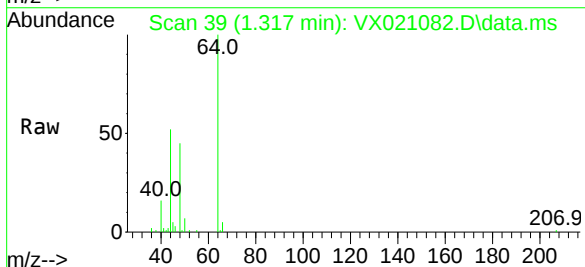
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

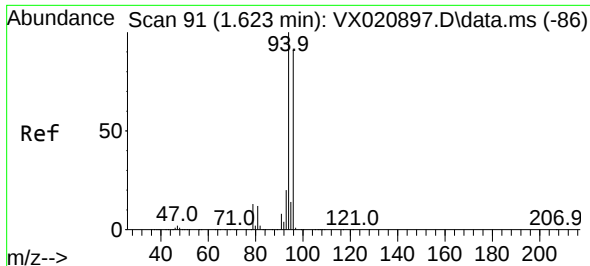
Tgt Ion:168 Resp: 224306
Ion Ratio Lower Upper
168 100
99 51.7 45.8 68.6



#3
Chloromethane
Concen: 0.30 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

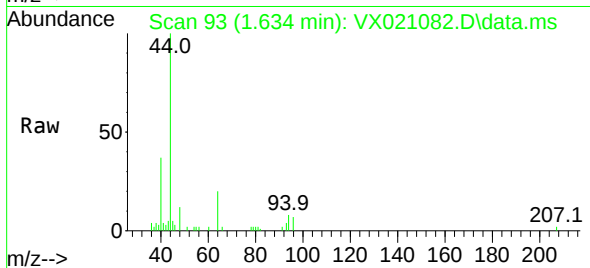
Tgt Ion: 50 Resp: 801
Ion Ratio Lower Upper
50 100
52 25.5 26.4 39.6#



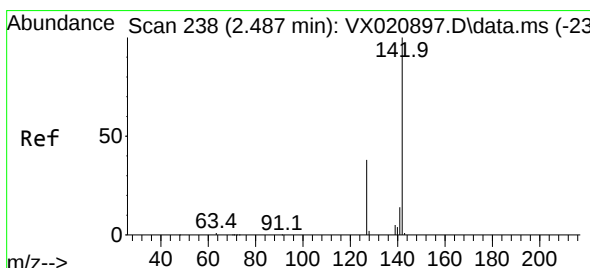
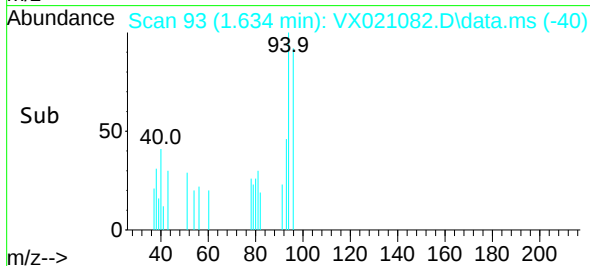
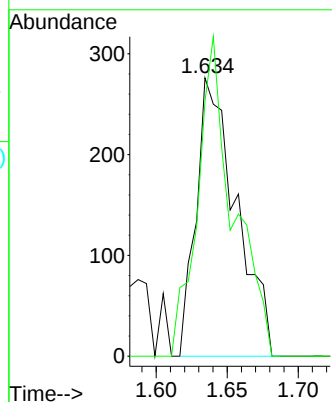


#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

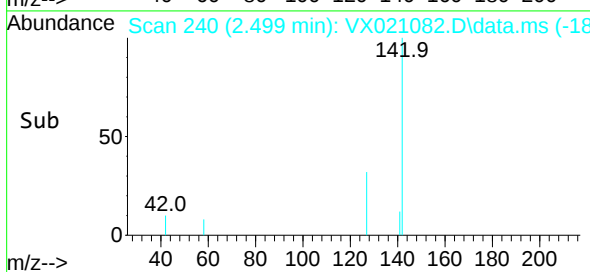
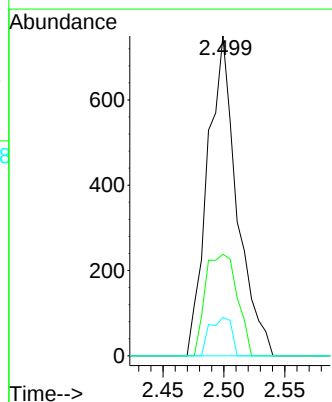
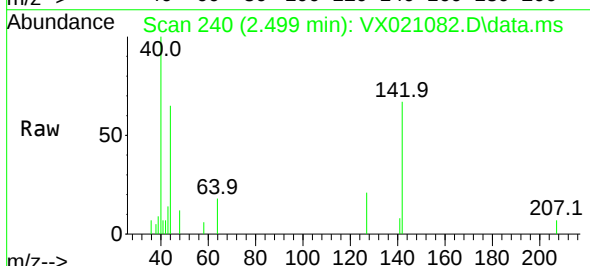


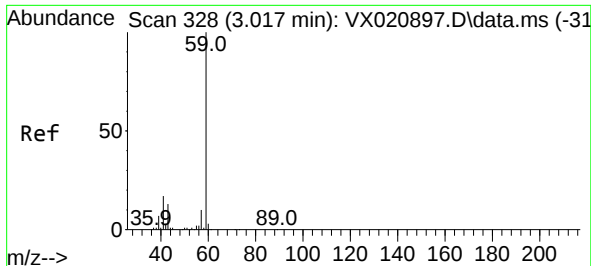
Tgt Ion: 94 Resp: 542
Ion Ratio Lower Upper
94 100
96 91.7 76.4 114.6



#10
Methyl Iodide
Concen: 0.39 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

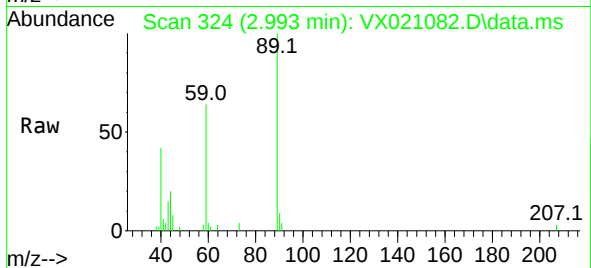
Tgt Ion:142 Resp: 1262
Ion Ratio Lower Upper
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127 34.2 33.3 49.9
141 8.9 11.4 17.0#



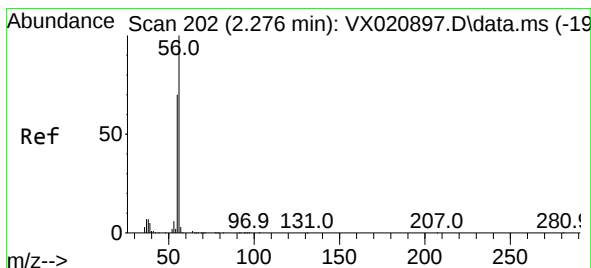
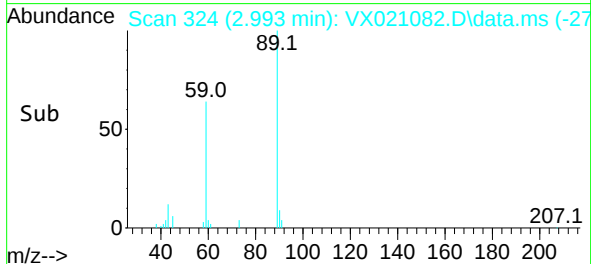
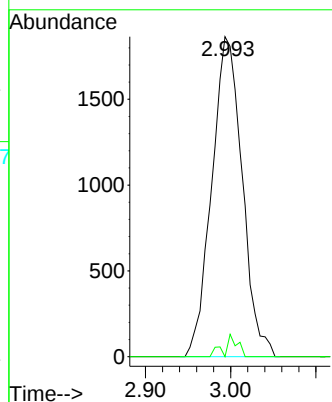


#11
Tert butyl alcohol
Concen: 6.86 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

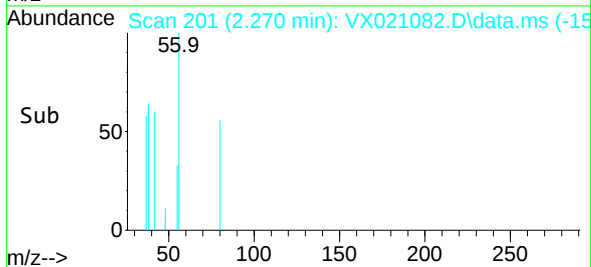
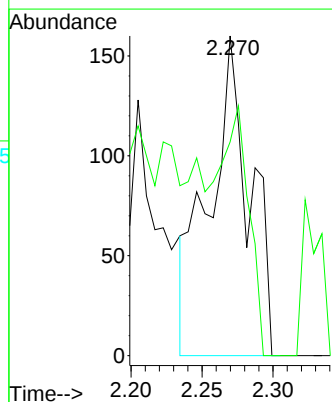
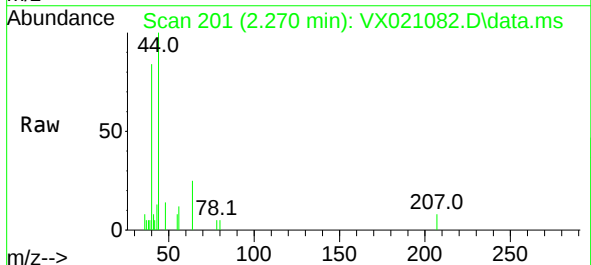


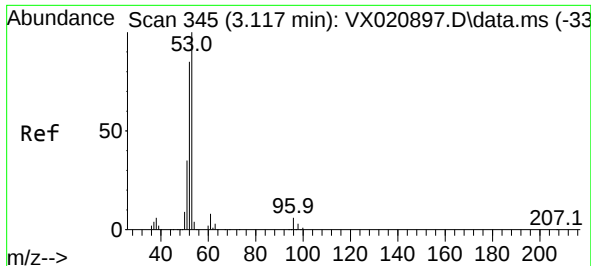
Tgt Ion: 59 Resp: 4629
Ion Ratio Lower Upper
59 100
57 3.0 7.8 11.8#



#13
Acrolein
Concen: 0.75 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 52.1 56.4 84.6#

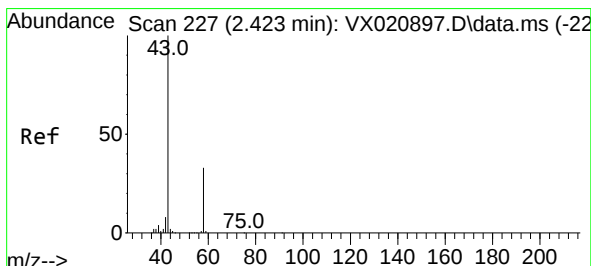
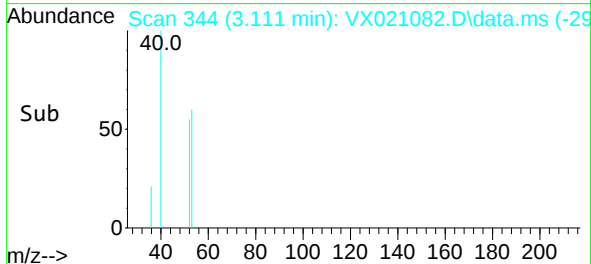
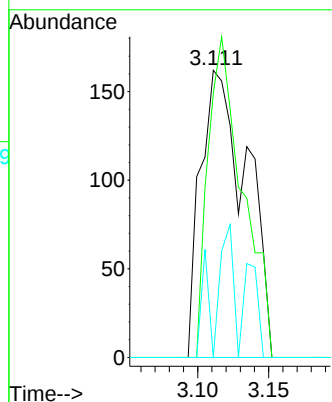
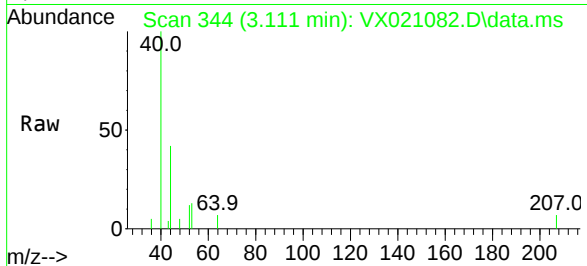




#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.111 min Scan# 344
Delta R.T. -0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

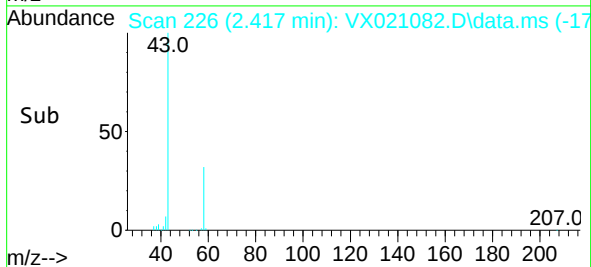
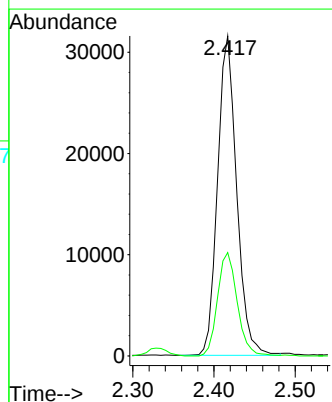
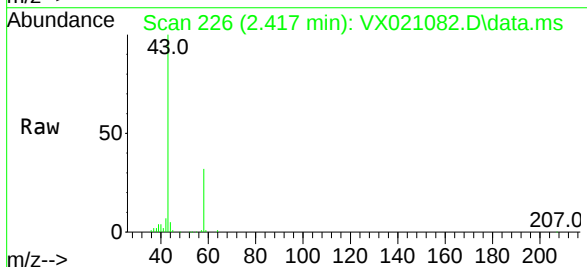
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

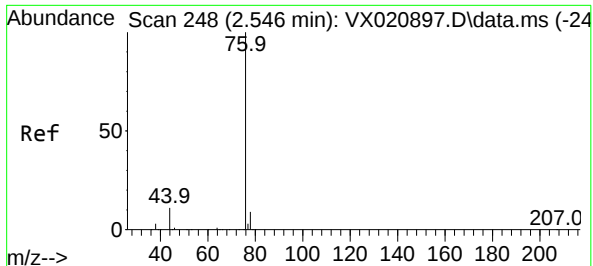
Tgt Ion: 53	Resp:	366
Ion	Ratio	Lower Upper
53	100	
52	83.9	65.3 97.9
51	0.0	28.2 42.2#



#16
Acetone
Concen: 41.44 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

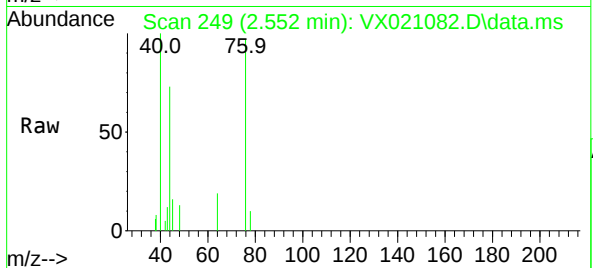
Tgt Ion: 43	Resp:	51741
Ion	Ratio	Lower Upper
43	100	
58	32.2	27.8 41.8



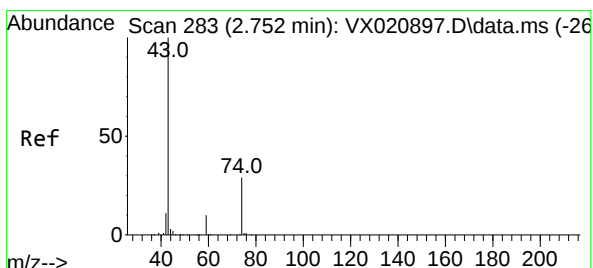
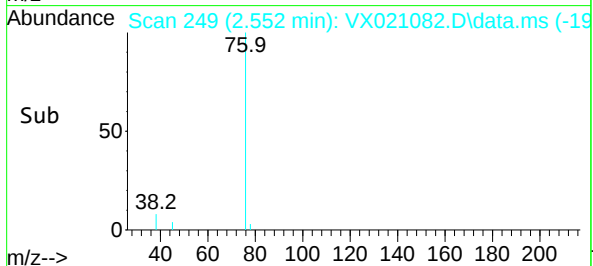
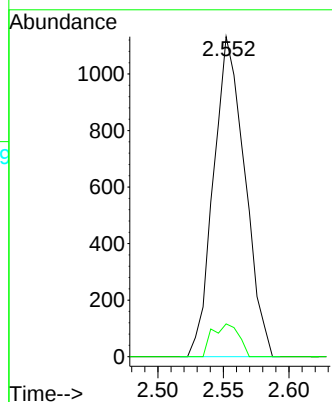


#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

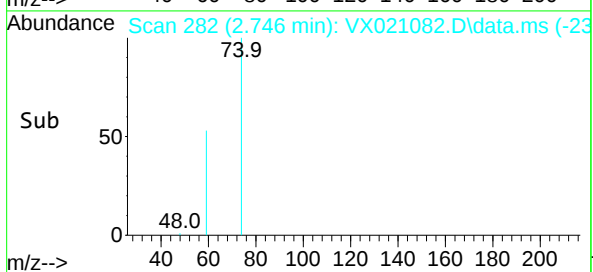
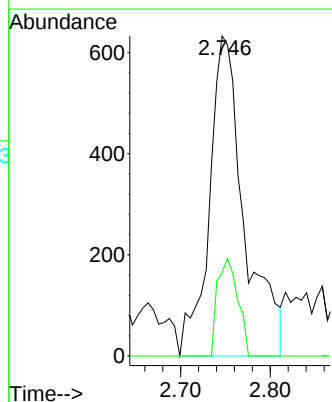
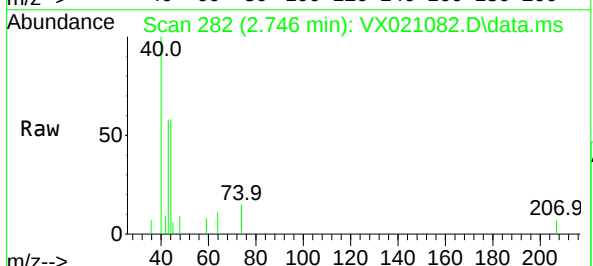


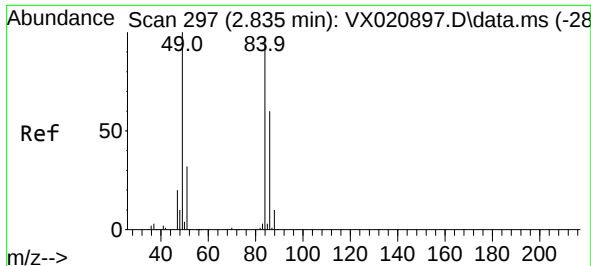
Tgt Ion: 76 Resp: 1880
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8



#18
Methyl Acetate
Concen: 0.58 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion: 43 Resp: 1716
Ion Ratio Lower Upper
43 100
74 17.7 21.9 32.9#

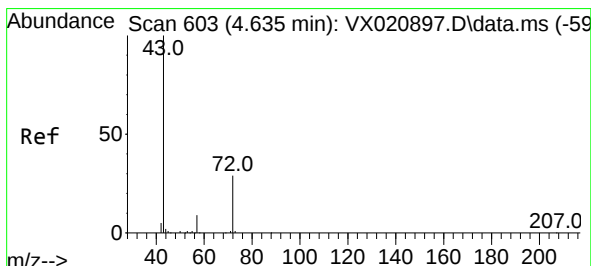
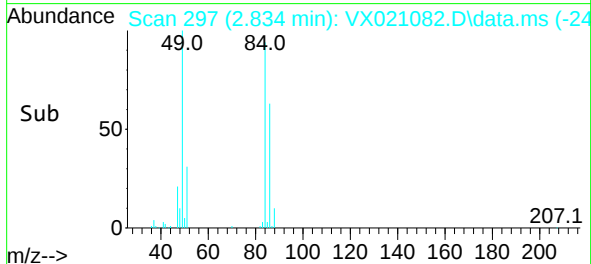
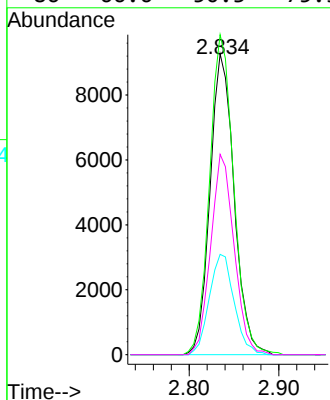
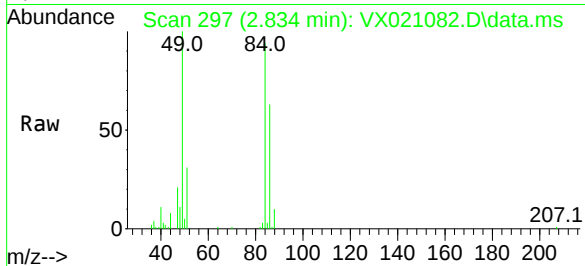




#20
Methylene Chloride
Concen: 5.76 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

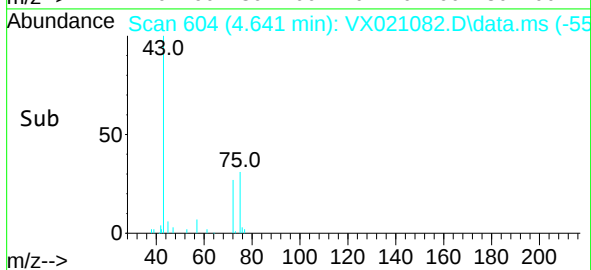
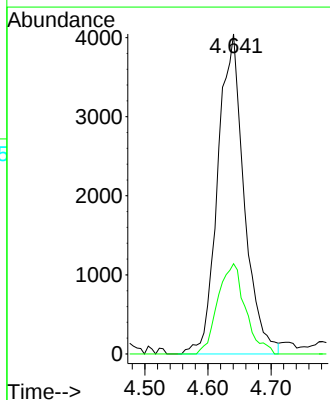
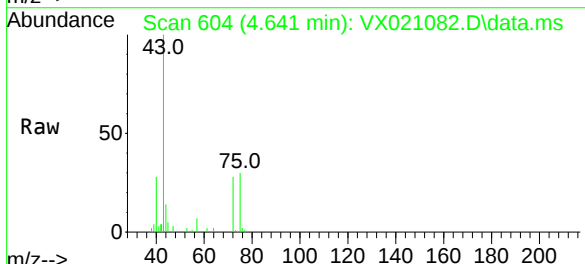
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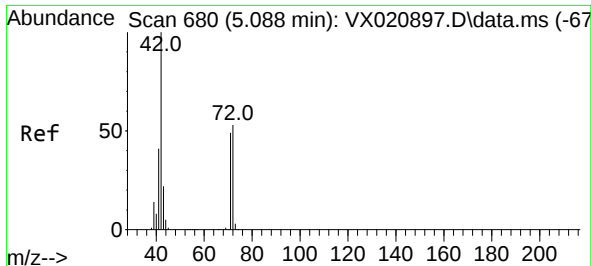
Tgt Ion:	84	Resp:	17242
Ion	Ratio	Lower	Upper
84	100		
49	106.4	88.6	132.8
51	33.4	27.0	40.6
86	66.6	50.3	75.5



#25
2-Butanone
Concen: 6.20 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion:	43	Resp:	11763
Ion	Ratio	Lower	Upper
43	100		
72	28.2	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.33 ug/l

RT: 5.094 min Scan# 681

Delta R.T. 0.006 min

Lab File: VX021082.D

Acq: 08 Mar 2021 23:58

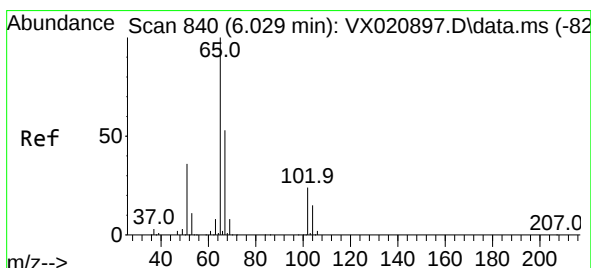
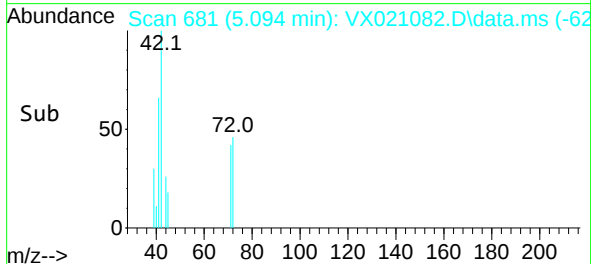
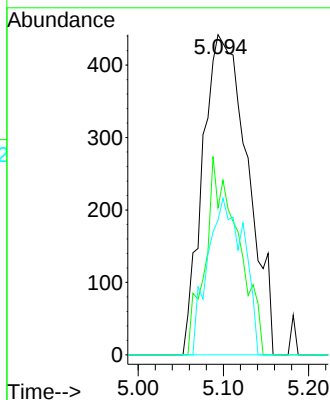
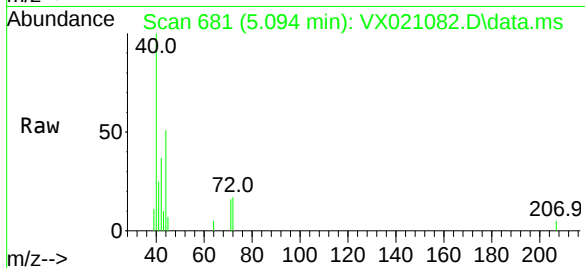
Instrument :

MSVOA_X

ClientSampleId :

PB135028TB

Tgt Ion:	42	Resp:	1618
Ion	Ratio	Lower	Upper
42	100		
72	45.1	41.7	62.5
71	39.2	38.4	57.6



#33

1,2-Dichloroethane-d4

Concen: 48.19 ug/l

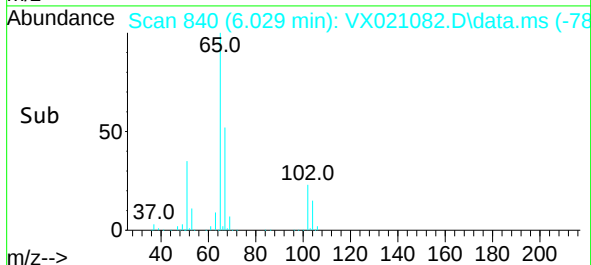
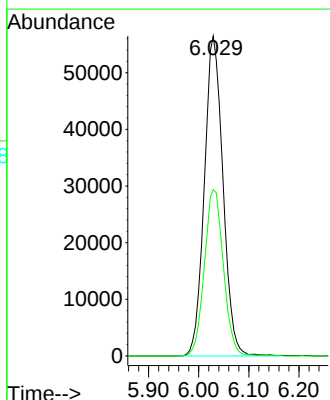
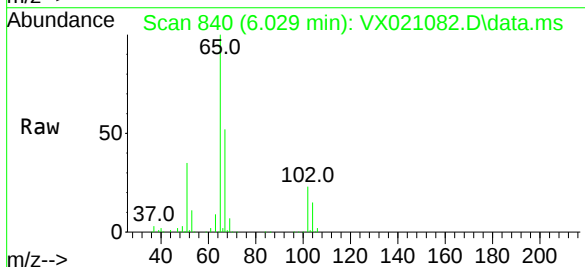
RT: 6.029 min Scan# 840

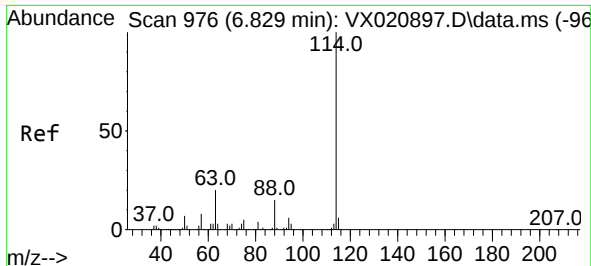
Delta R.T. -0.000 min

Lab File: VX021082.D

Acq: 08 Mar 2021 23:58

Tgt Ion:	65	Resp:	146020
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.4

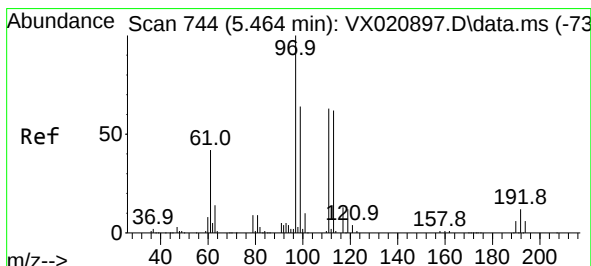
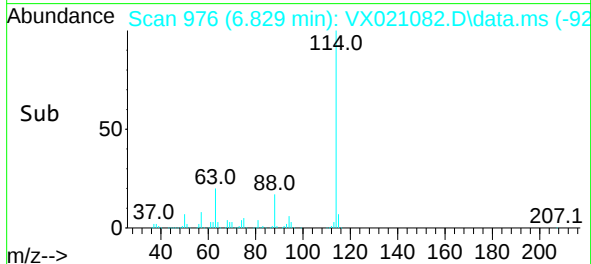
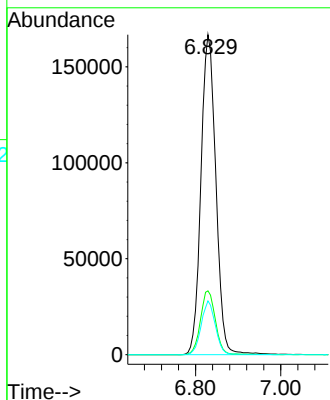
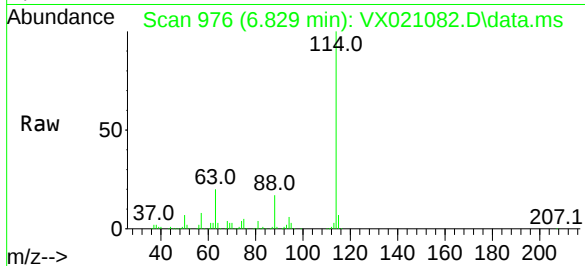




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

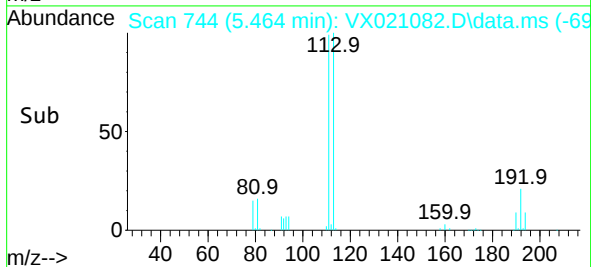
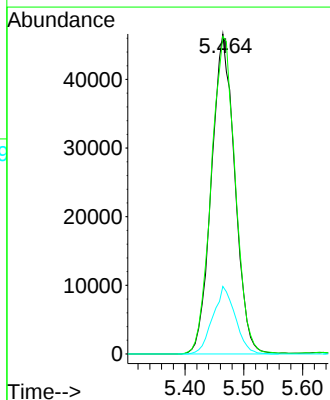
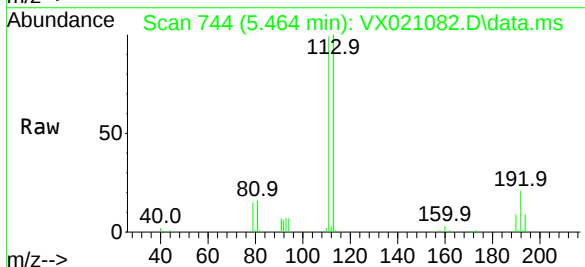
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

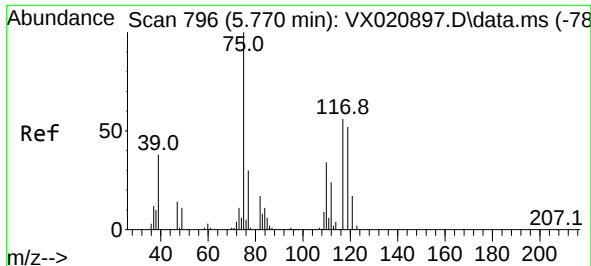
Tgt Ion:114 Resp: 405329
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.15 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

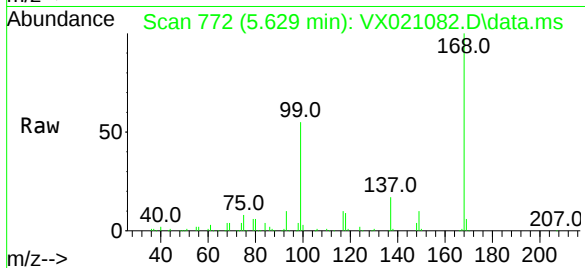
Tgt Ion:113 Resp: 128431
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 20.3 16.7 25.1



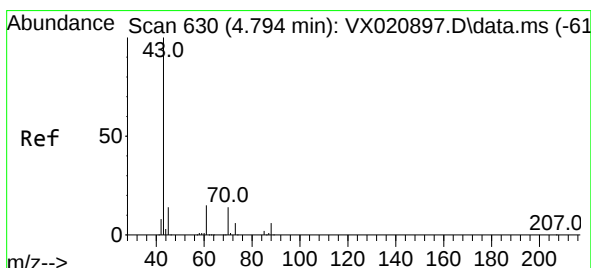
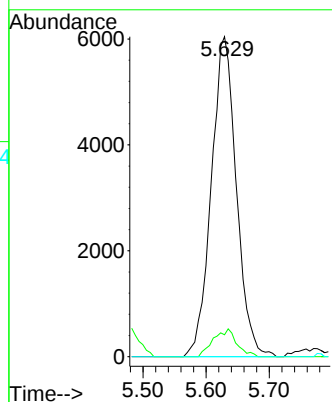
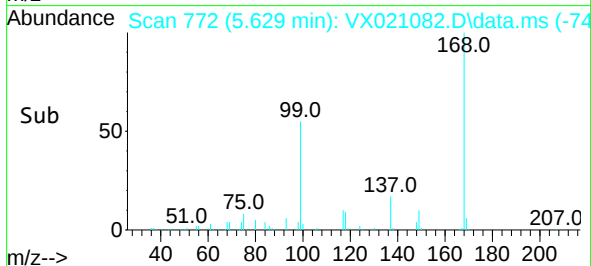


#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

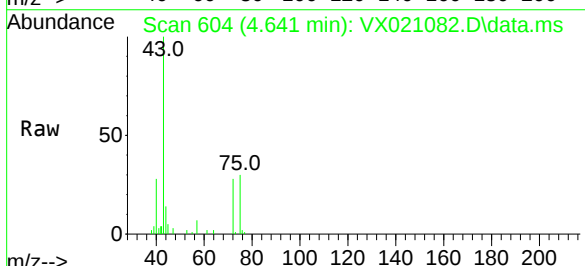
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB



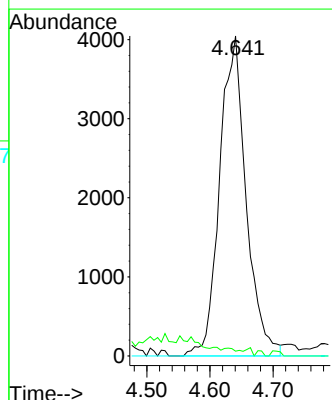
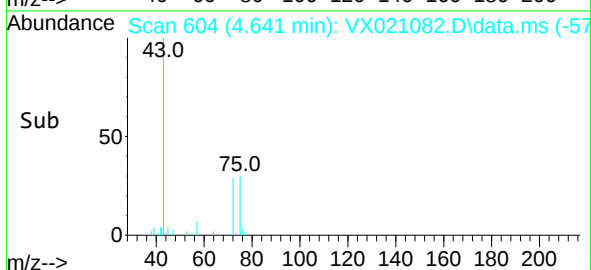
Tgt Ion: 75 Resp: 16666
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#

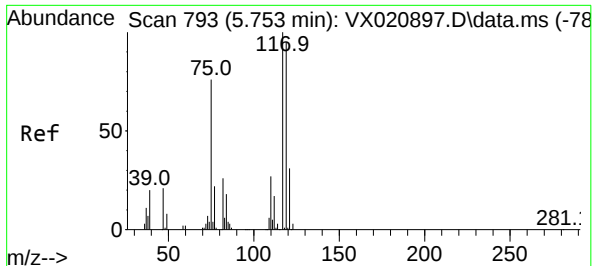


#37
Ethyl Acetate
Concen: 3.21 ug/l
RT: 4.641 min Scan# 604
Delta R.T. -0.153 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58



Tgt Ion: 43 Resp: 11763
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#

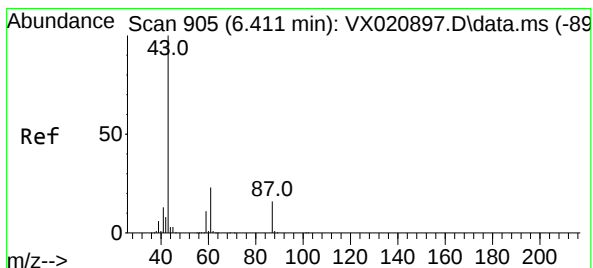
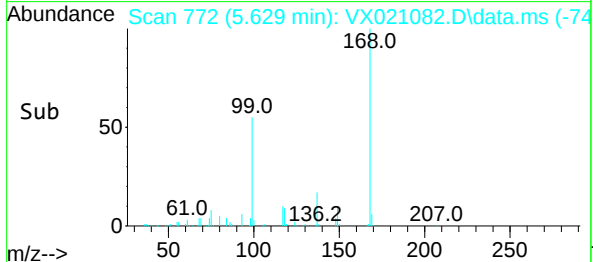
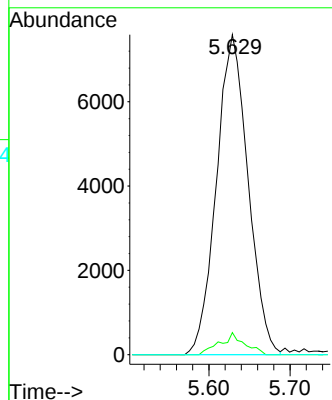
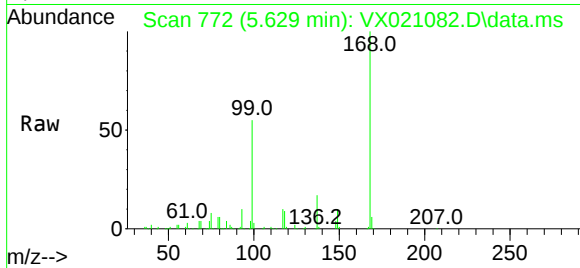




#38
Carbon Tetrachloride
Concen: 5.50 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

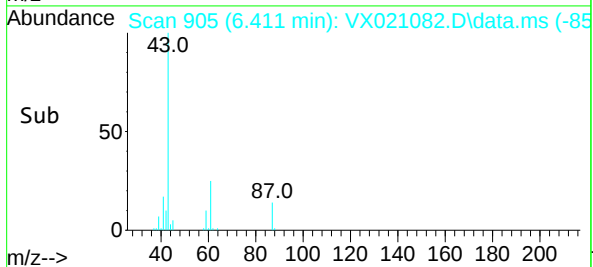
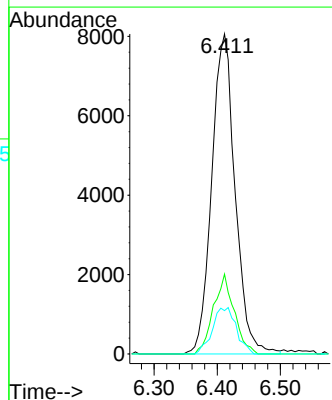
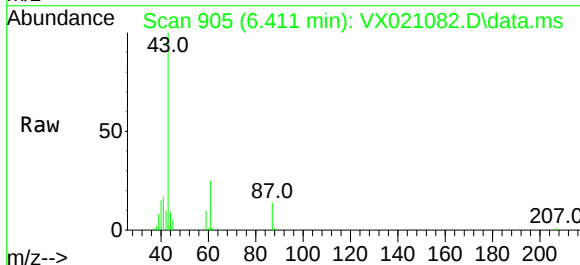
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

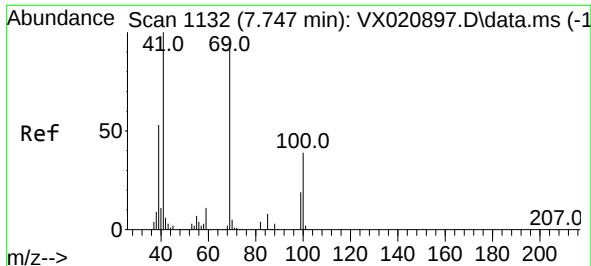
Tgt Ion: 117 Resp: 20534
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.33 ug/l
RT: 6.411 min Scan# 905
Delta R.T. -0.000 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

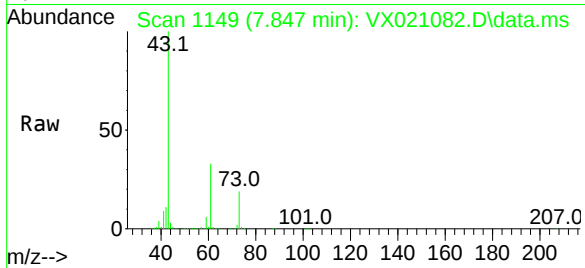
Tgt Ion: 43 Resp: 20757
Ion Ratio Lower Upper
43 100
61 22.1 18.2 27.4
87 14.8 12.5 18.7



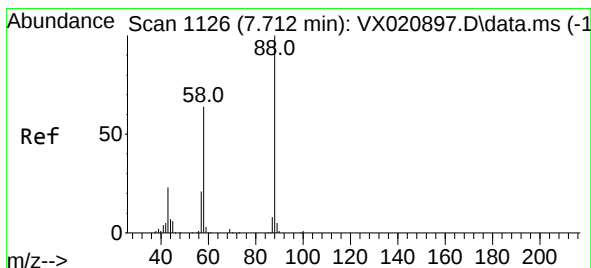
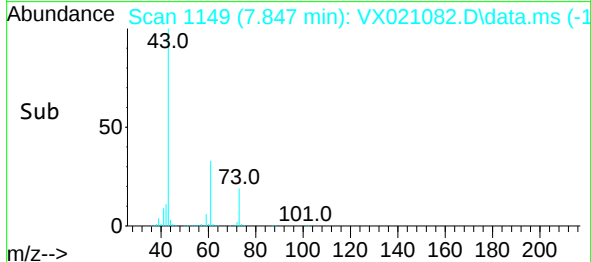
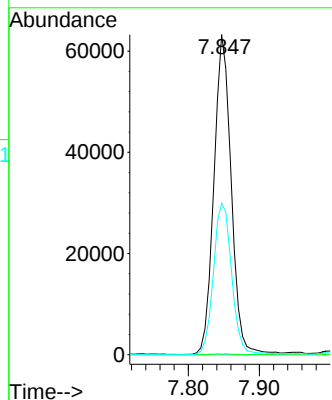


#48
Methyl methacrylate
Concen: 34.26 ug/l
RT: 7.847 min Scan# 1149
Delta R.T. 0.100 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

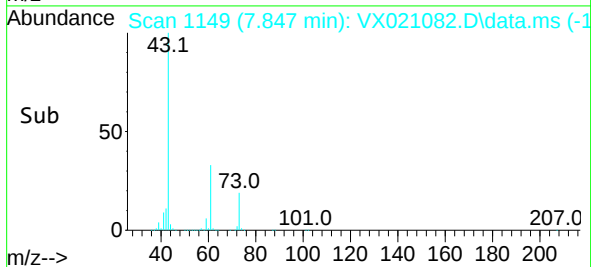
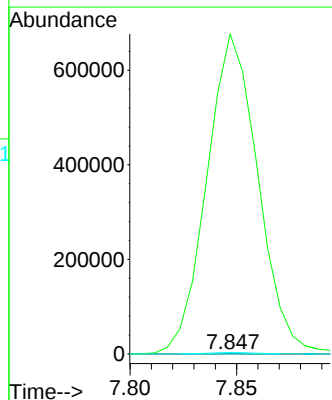
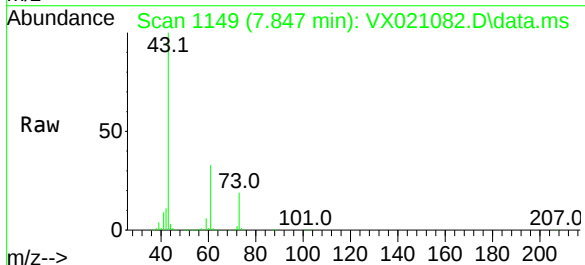


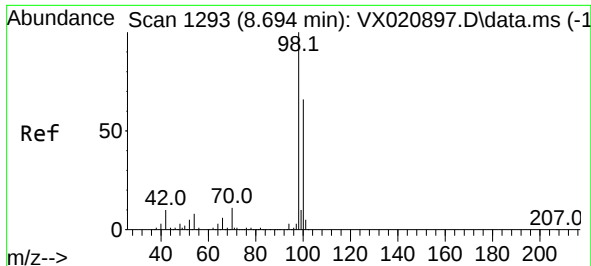
Tgt Ion: 41 Resp: 107160
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 49.8 44.6 67.0



#49
1,4-Dioxane
Concen: 3.08 ug/l
RT: 7.847 min Scan# 1149
Delta R.T. 0.135 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 508465.8 23.2 34.8#
58 2303.6 55.0 82.4#

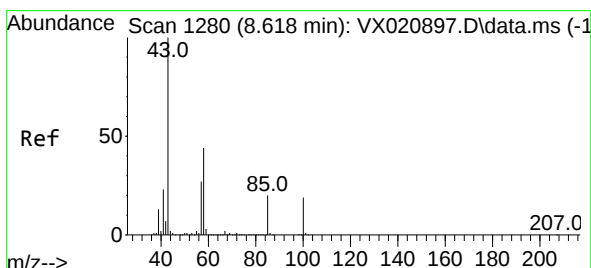
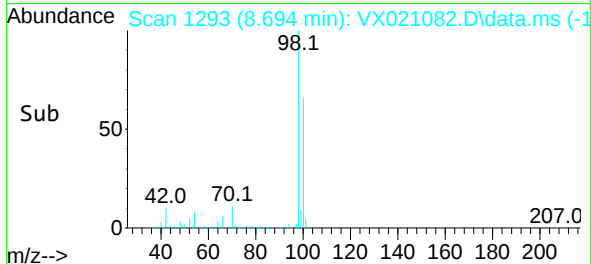
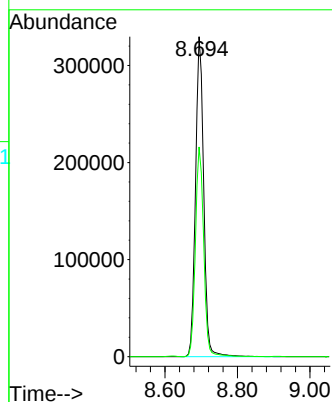
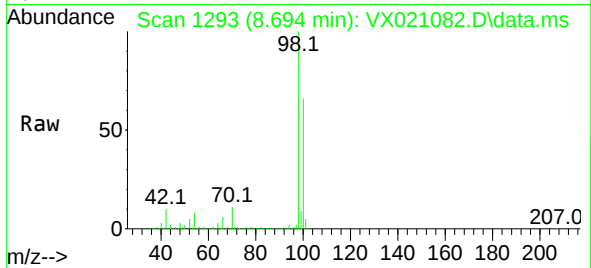




#50
Toluene-d8
Concen: 53.63 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

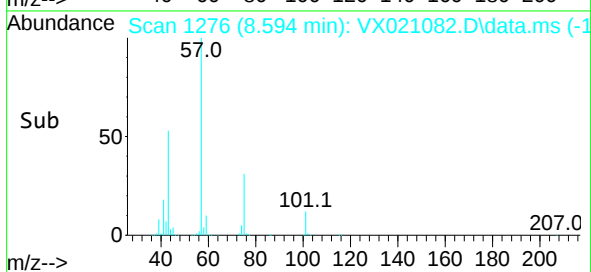
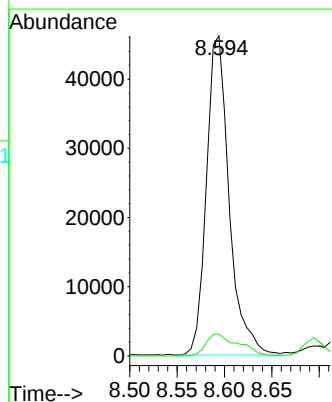
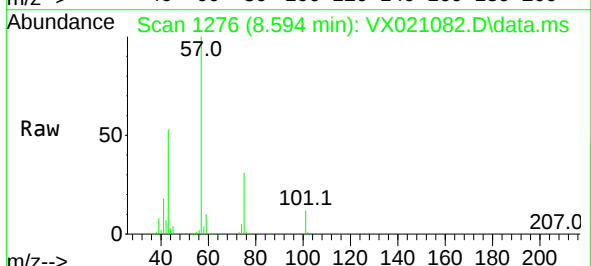
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

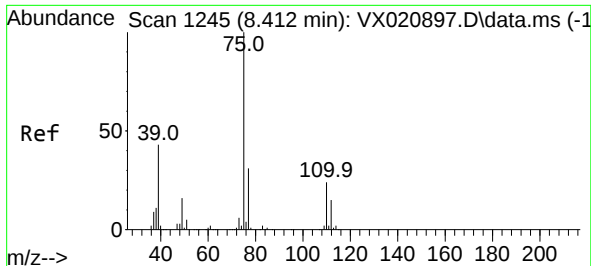
Tgt Ion: 98 Resp: 515001
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.18 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion: 43 Resp: 76894
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#

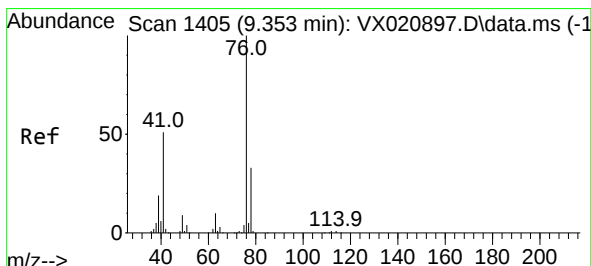
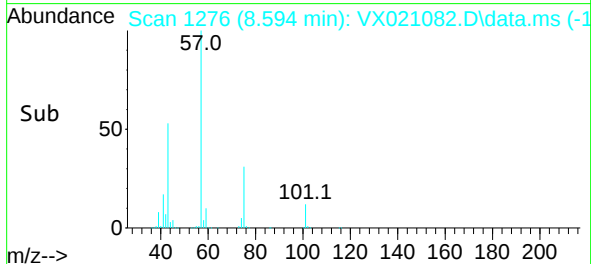
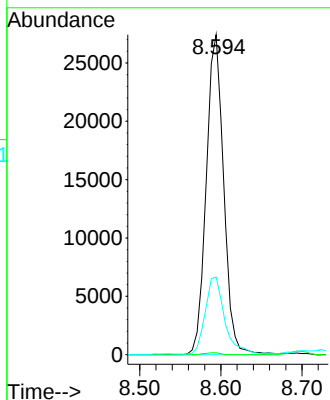
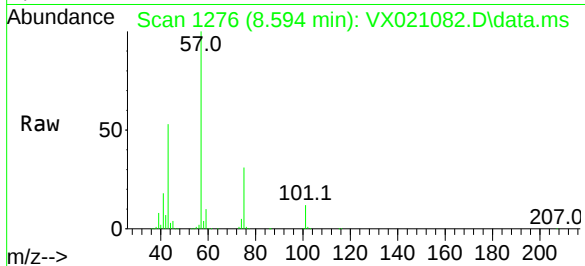




#54
cis-1,3-Dichloropropene
Concen: 8.19 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

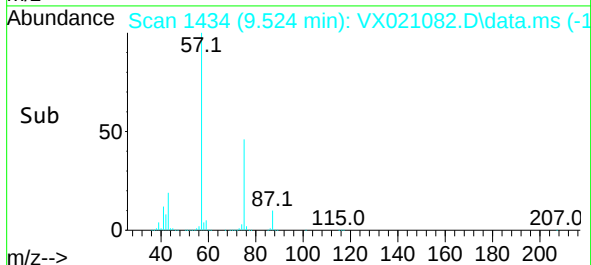
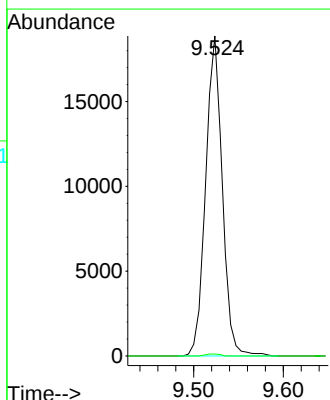
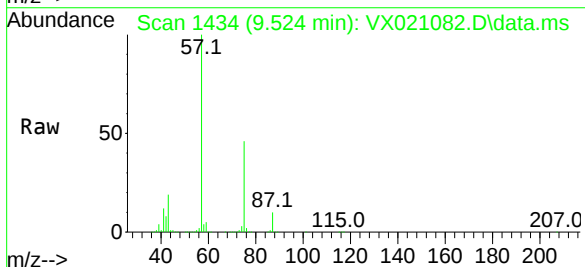
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

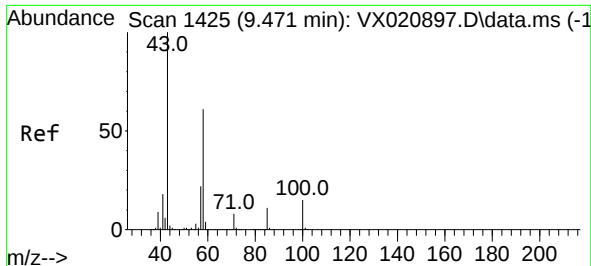
Tgt Ion: 75 Resp: 40814
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 24.1 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 4.99 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion: 76 Resp: 24315
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

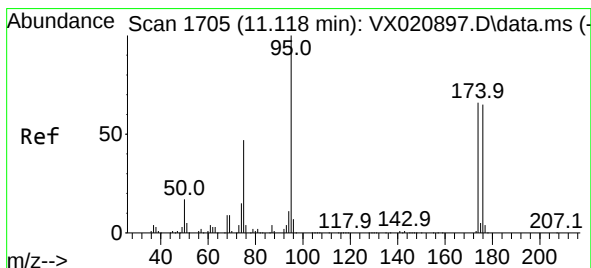
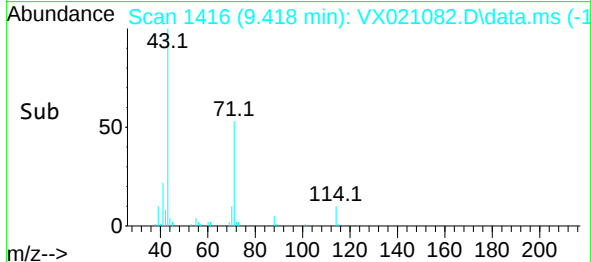
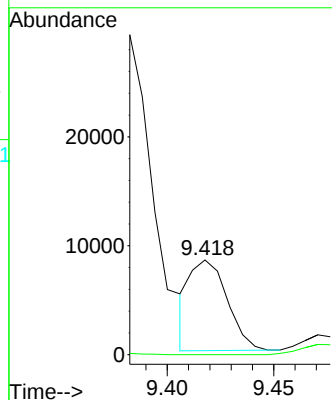
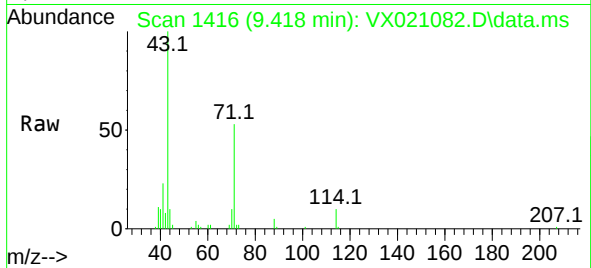




#59
2-Hexanone
Concen: 3.73 ug/l
RT: 9.418 min Scan# 1416
Delta R.T. -0.053 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

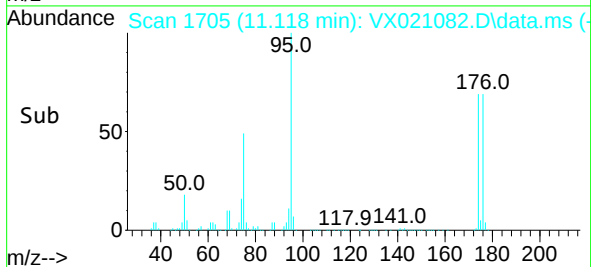
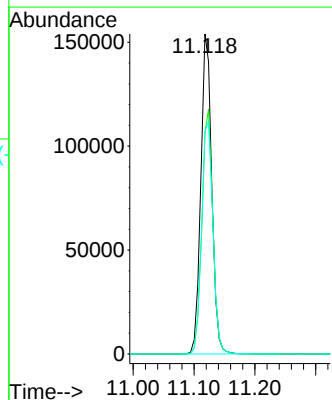
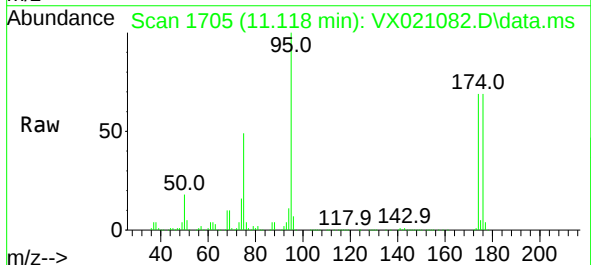
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

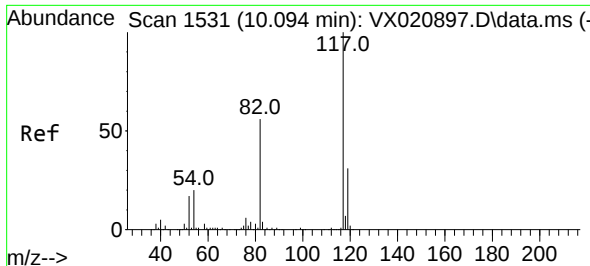
Tgt Ion: 43 Resp: 10172
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 54.01 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion: 95 Resp: 191764
Ion Ratio Lower Upper
95 100
174 77.0 0.0 154.6
176 75.4 0.0 155.8

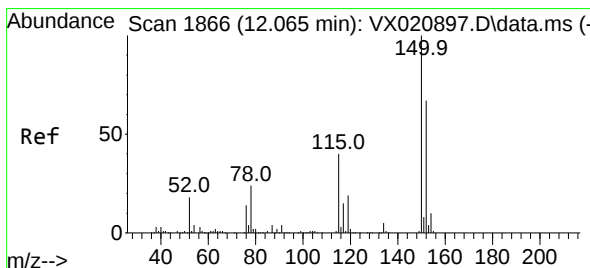
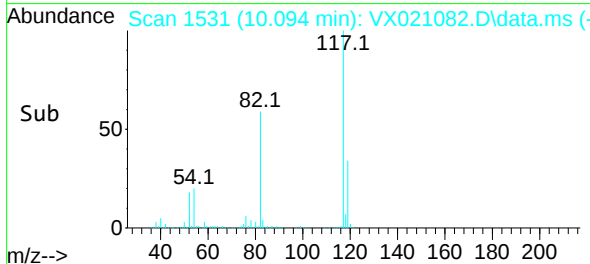
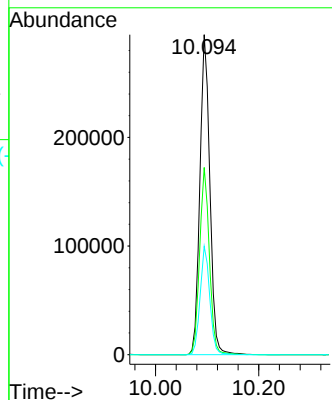
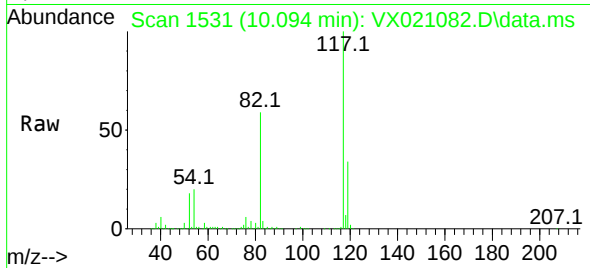




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

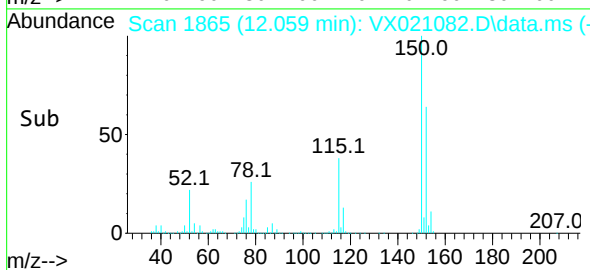
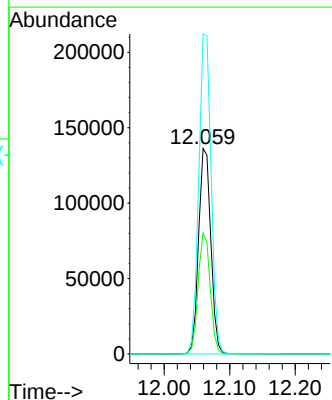
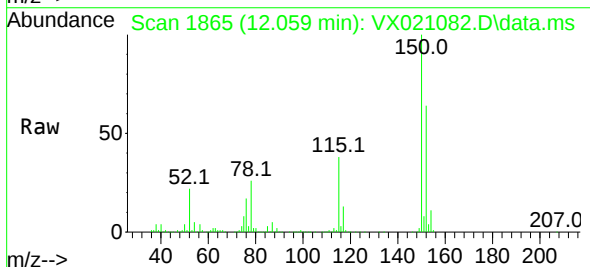
Instrument :
MSVOA_X
ClientSampleId :
PB135028TB

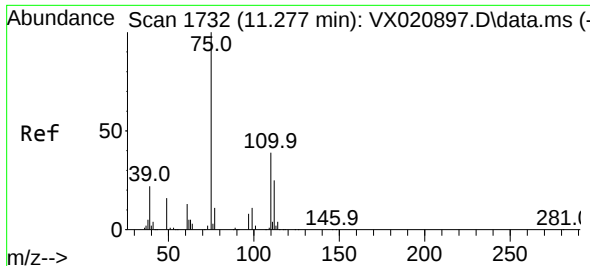
Tgt Ion:117 Resp: 393749
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 33.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion:152 Resp: 176996
Ion Ratio Lower Upper
152 100
115 58.1 41.1 123.3
150 157.5 0.0 349.0

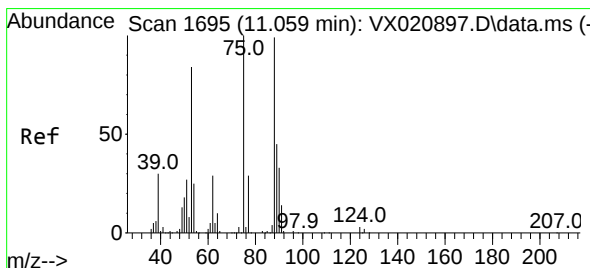
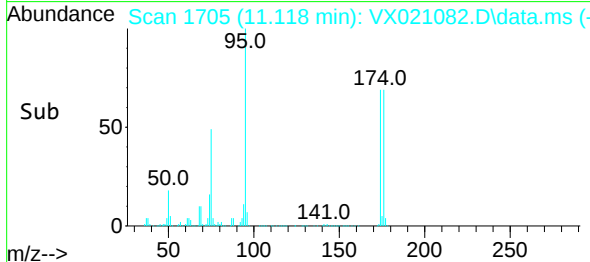
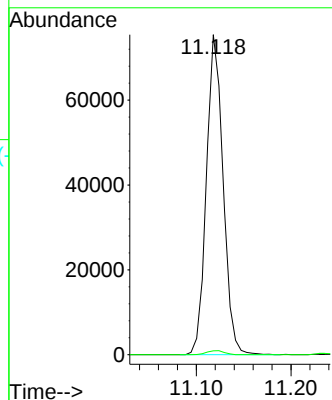
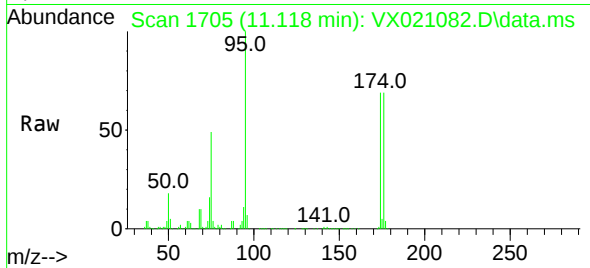




#76
1,2,3-Trichloropropane
Concen: 24.28 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

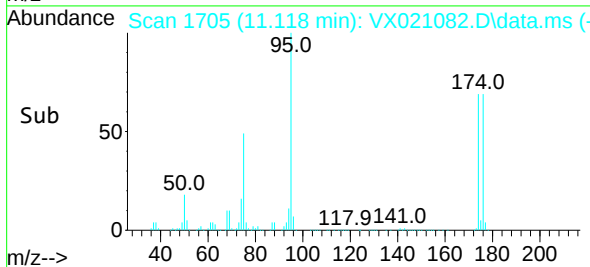
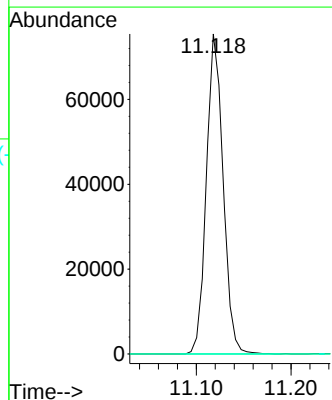
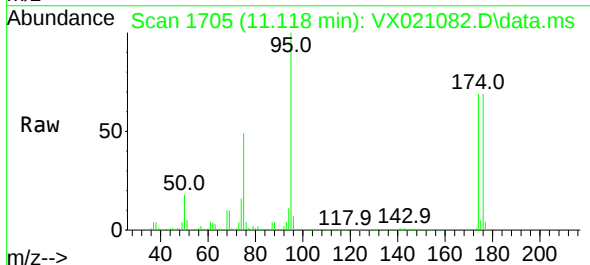
Instrument :
MSVOA_X
ClientSampleId :
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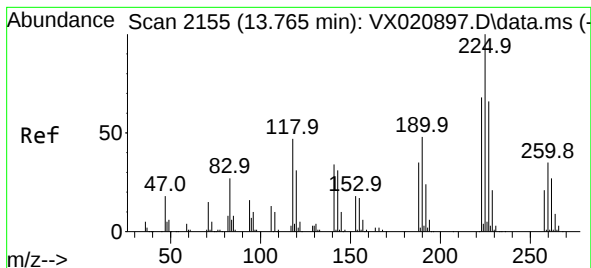
Tgt Ion: 75 Resp: 92440
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.75 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021082.D
Acq: 08 Mar 2021 23:58

Tgt Ion: 75 Resp: 92440
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#94

Hexachlorobutadiene

Concen: 0.23 ug/l

RT: 13.765 min Scan# 2155

Delta R.T. -0.000 min

Lab File: VX021082.D

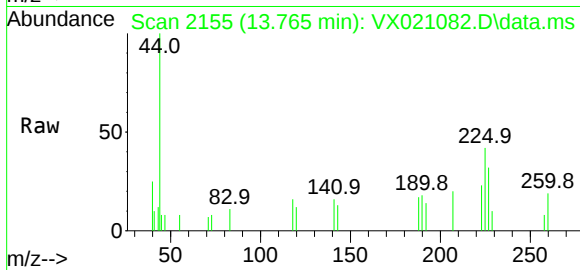
Acq: 08 Mar 2021 23:58

Instrument :

MSVOA_X

ClientSampleId :

PB135028TB



Tgt Ion:	225	Resp:	330
Ion	Ratio	Lower	Upper
225	100		
223	59.4	31.1	93.2
227	70.9	31.6	95.0

