

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021695.D
 Acq On : 31 Mar 2021 18:58
 Operator : JC/MD
 Sample : PB135444ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 03:29:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

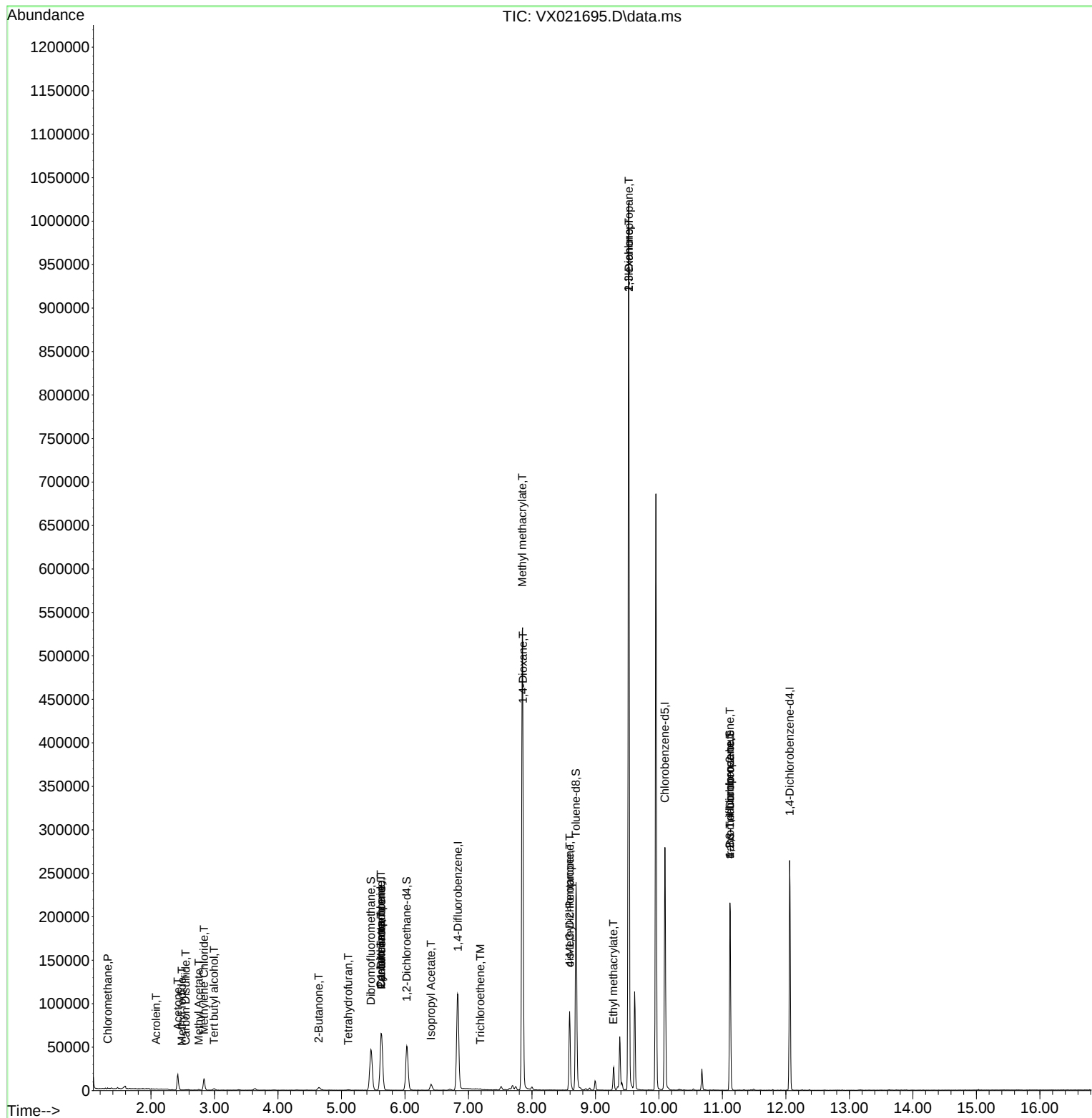
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	57917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	105238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50321	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50014	51.90	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.80%	
35) Dibromofluoromethane	5.464	113	39140	52.36	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.72%	
50) Toluene-d8	8.694	98	138399	51.95	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.90%	
62) 4-Bromofluorobenzene	11.118	95	55827	53.90	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.80%	
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1172	1.64	ug/l	97
10) Methyl Iodide	2.487	142	18	6.68	ug/l #	42
11) Tert butyl alcohol	2.993	59	1151	7.22	ug/l #	73
13) Acrolein	2.082	56	21	4.55	ug/l #	64
16) Acetone	2.423	43	18758	51.48	ug/l #	82
17) Carbon Disulfide	2.546	76	511	0.31	ug/l #	75
18) Methyl Acetate	2.752	43	853	0.81	ug/l #	76
20) Methylene Chloride	2.835	84	5145	7.24	ug/l #	77
25) 2-Butanone	4.641	43	3353	6.07	ug/l #	87
29) Tetrahydrofuran	5.105	42	480	1.34	ug/l #	27
31) Cyclohexane	5.623	56	1657	1.56	ug/l #	37
36) 1,1-Dichloropropene	5.623	75	5114	4.96	ug/l #	50
38) Carbon Tetrachloride	5.623	117	6187	5.58	ug/l #	17
43) Isopropyl Acetate	6.411	43	8625	4.46	ug/l #	89
44) Trichloroethene	7.188	130	235	0.30	ug/l	61
48) Methyl methacrylate	7.847	41	50813	49.20	ug/l #	38
49) 1,4-Dioxane	7.859	88	24	1.30	ug/l #	1
51) 4-Methyl-2-Pentanone	8.594	43	31996	26.87	ug/l #	45
54) cis-1,3-Dichloropropene	8.594	75	12145	9.61	ug/l #	73
56) Ethyl methacrylate	9.282	69	101	2.16	ug/l #	1
57) 1,3-Dichloropropane	9.524	76	7905	6.05	ug/l #	42
59) 2-Hexanone	9.524	43	125730	140.62	ug/l #	42
76) 1,2,3-Trichloropropane	11.118	75	30825	26.31	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30825	80.15	ug/l #	12

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

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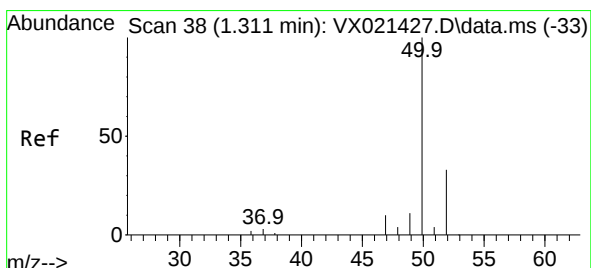
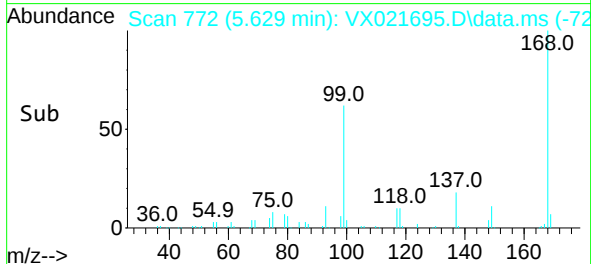
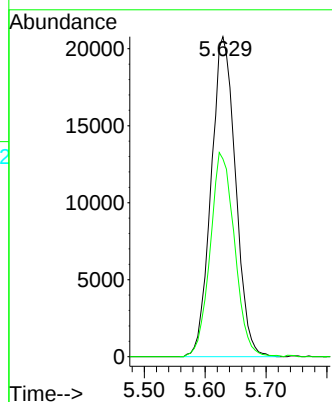
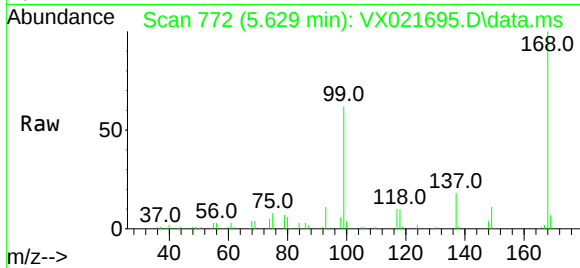




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

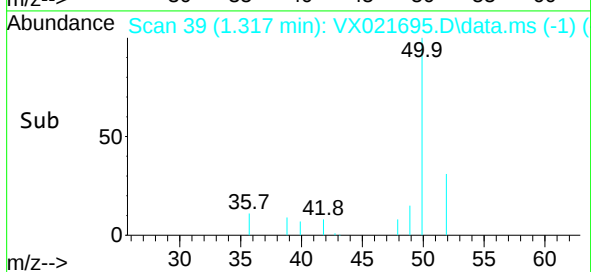
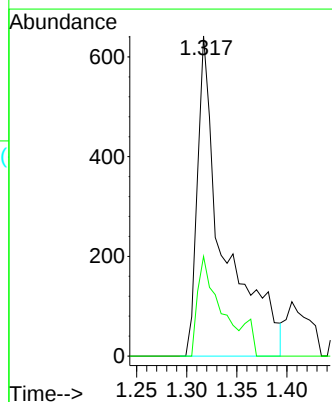
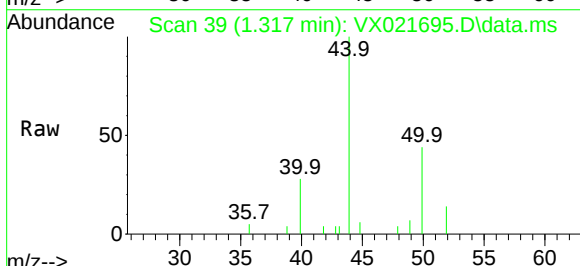
Instrument :
MSVOA_X
ClientSampled :

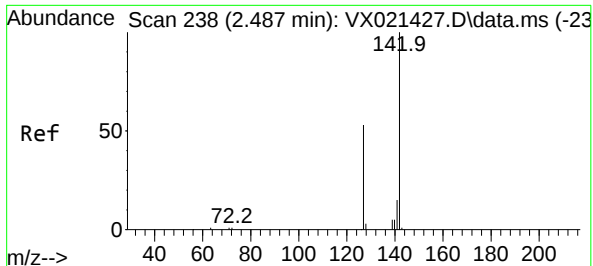
Tgt Ion:168 Resp: 57917
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#3
Chloromethane
Concen: 1.64 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

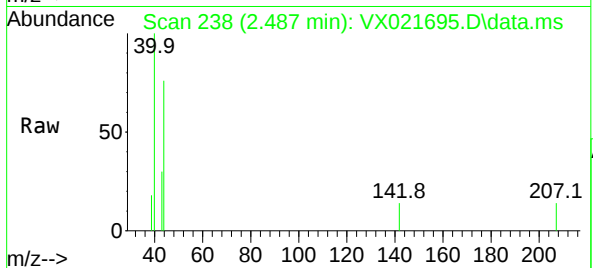
Tgt Ion: 50 Resp: 1172
Ion Ratio Lower Upper
50 100
52 31.2 26.4 39.6



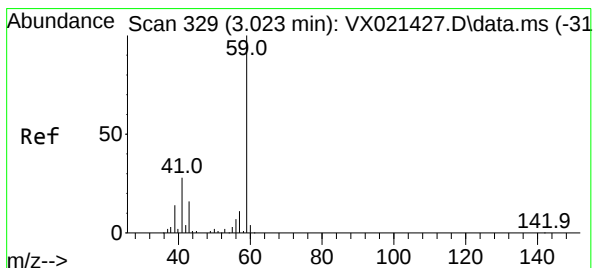
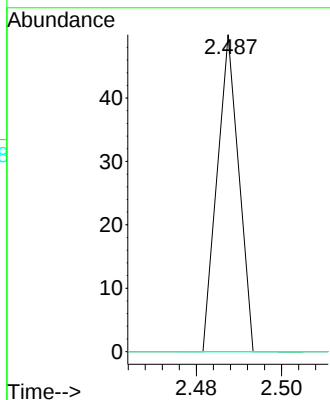
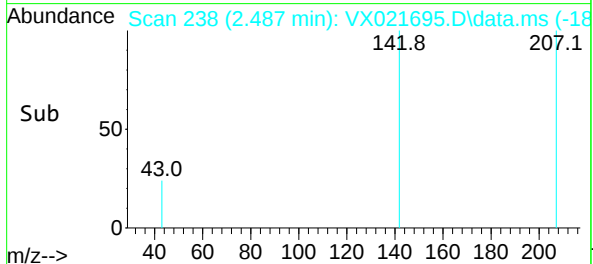


#10
Methyl Iodide
Concen: 6.68 ug/l
RT: 2.487 min Scan# 238
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

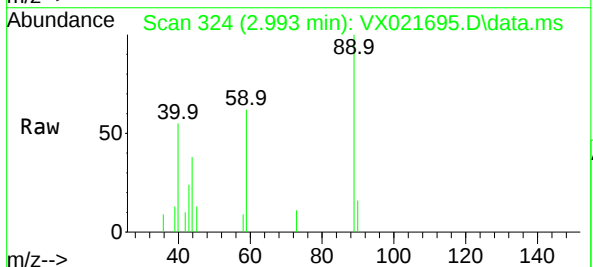
Instrument :
MSVOA_X
ClientSampled :



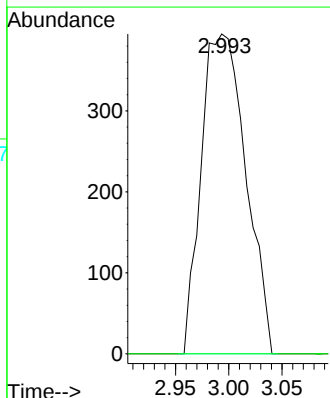
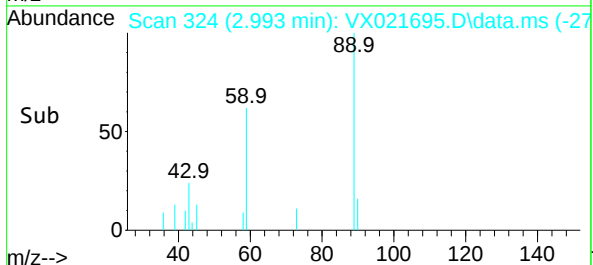
Tgt Ion:142 Resp: 18
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

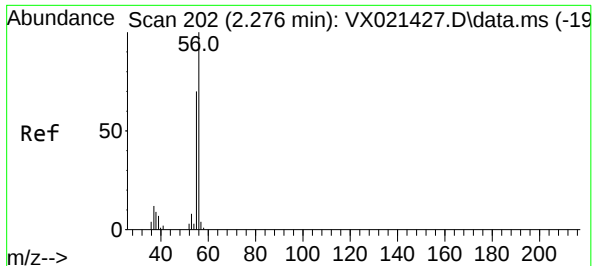


#11
Tert butyl alcohol
Concen: 7.22 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.030 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58



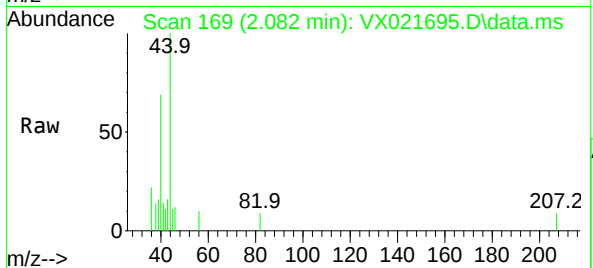
Tgt Ion: 59 Resp: 1151
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



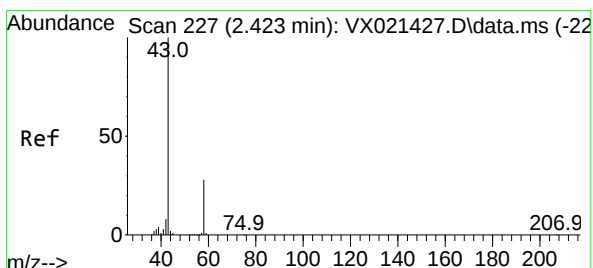
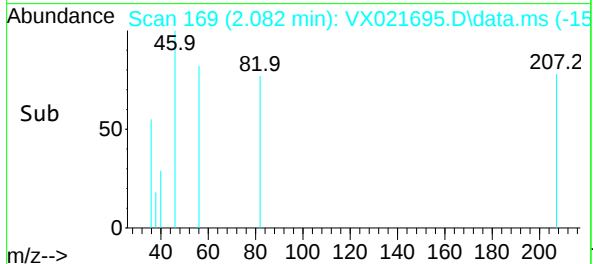
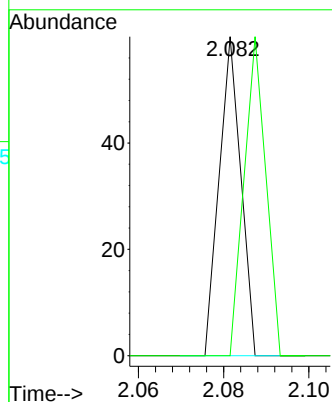


#13
Acrolein
Concen: 4.55 ug/l
RT: 2.082 min Scan# 169
Delta R.T. -0.194 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Instrument :
MSVOA_X
ClientSampled :

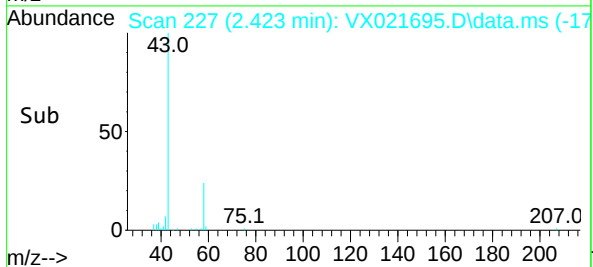
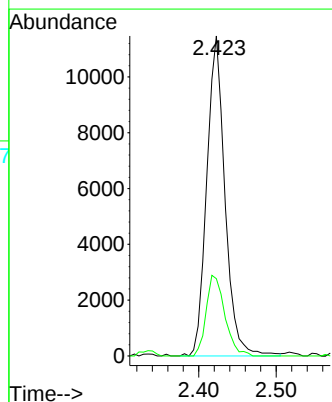
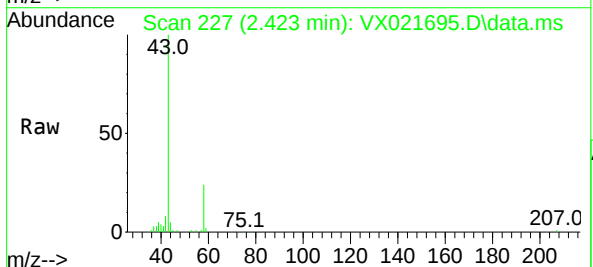


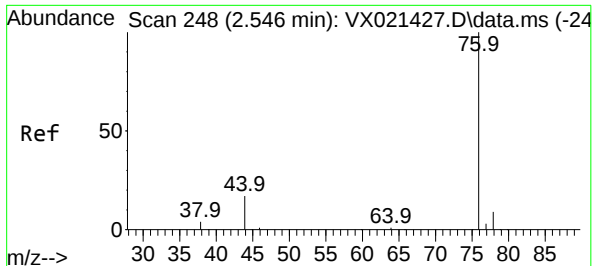
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 100.0 56.4 84.6#



#16
Acetone
Concen: 51.48 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion: 43 Resp: 18758
Ion Ratio Lower Upper
43 100
58 24.1 27.8 41.8#

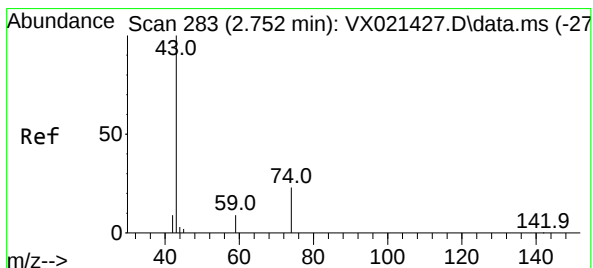
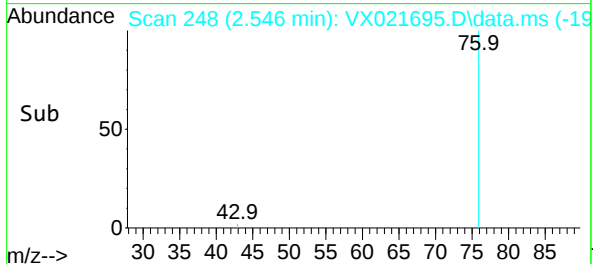
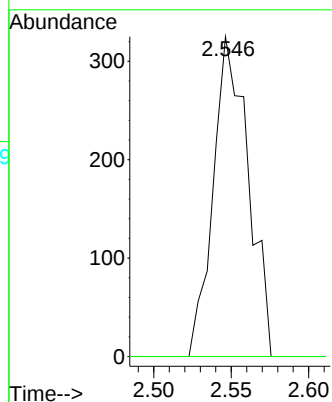
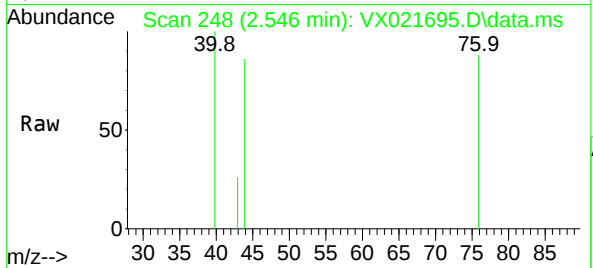




#17
Carbon Disulfide
Concen: 0.31 ug/l
RT: 2.546 min Scan# 248
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

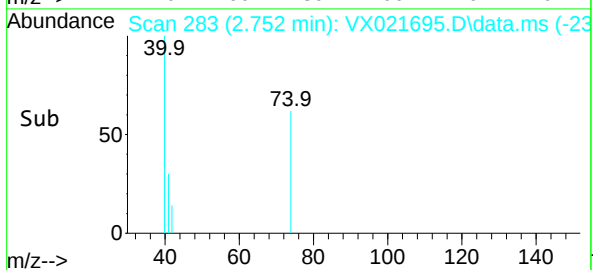
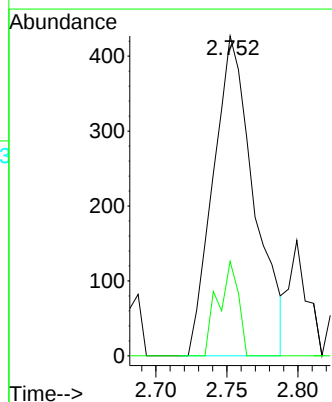
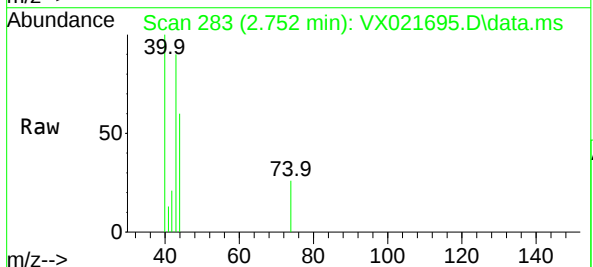
Instrument :
MSVOA_X
ClientSampled :

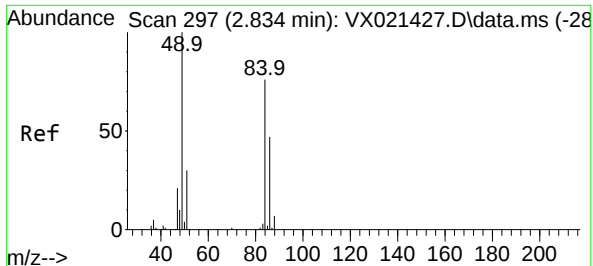
Tgt Ion: 76 Resp: 511
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.81 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

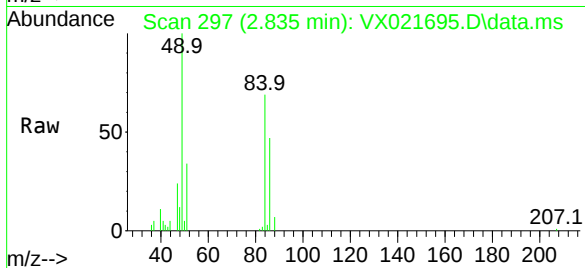
Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
74 14.8 21.9 32.9#



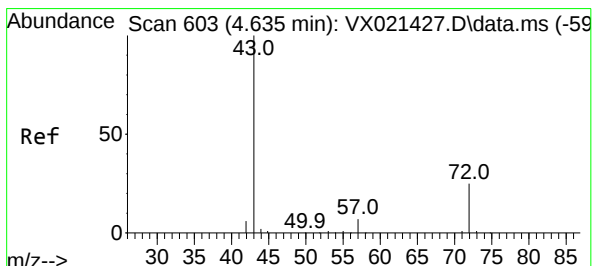
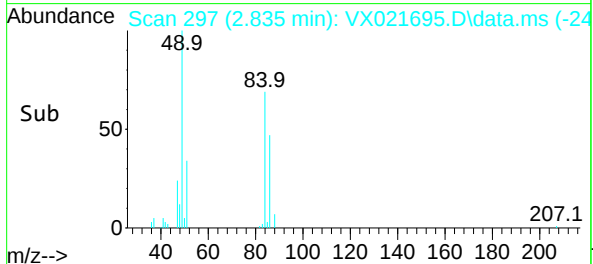
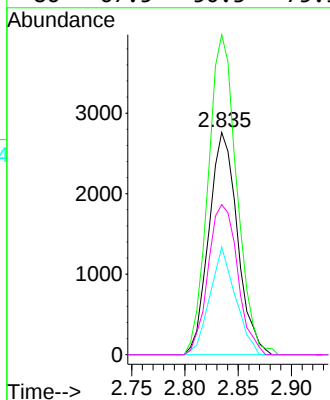


#20
Methylene Chloride
Concen: 7.24 ug/l
RT: 2.835 min Scan# 297
Delta R.T. 0.001 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Instrument :
MSVOA_X
ClientSampleId :

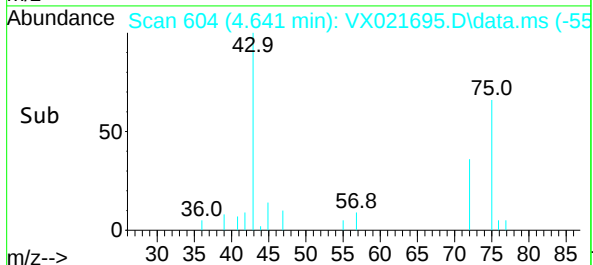
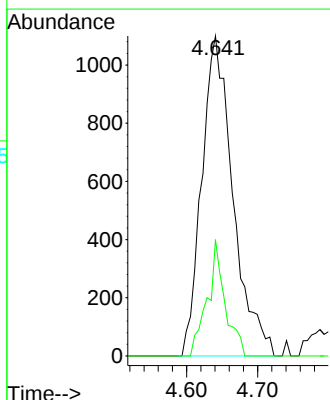
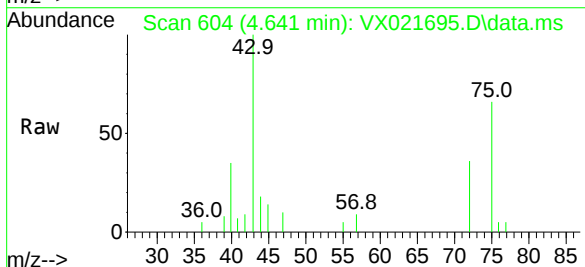


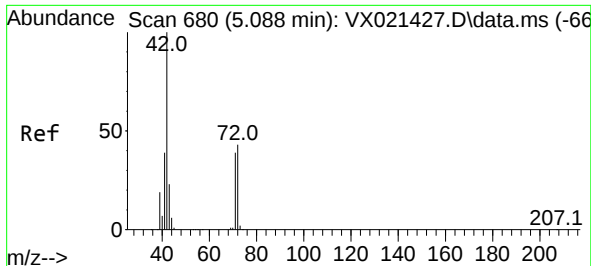
Tgt Ion:	84	Resp:	5145
Ion	Ratio	Lower	Upper
84	100		
49	144.0	88.6	132.8#
51	48.4	27.0	40.6#
86	67.5	50.3	75.5



#25
2-Butanone
Concen: 6.07 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion:	43	Resp:	3353
Ion	Ratio	Lower	Upper
43	100		
72	36.4	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.34 ug/l

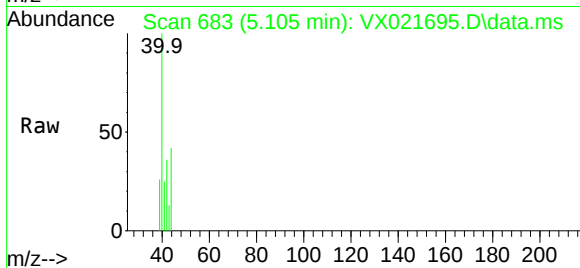
RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

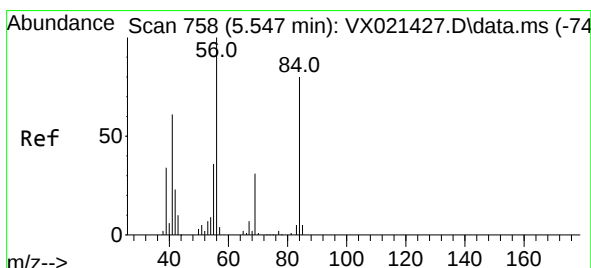
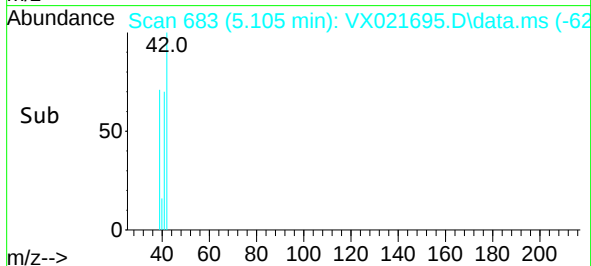
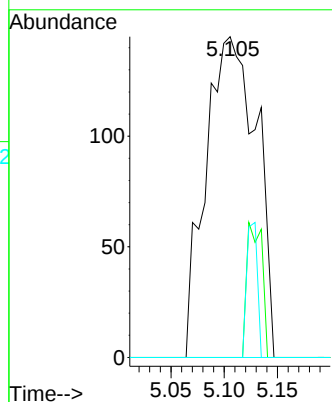
Lab File: VX021695.D

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MSVOA_X
ClientSampled :



Tgt Ion: 42	Resp: 480
Ion Ratio	Lower Upper
42	100
72	0.0 41.7 62.5#
71	0.0 38.4 57.6#



#31

Cyclohexane

Concen: 1.56 ug/l

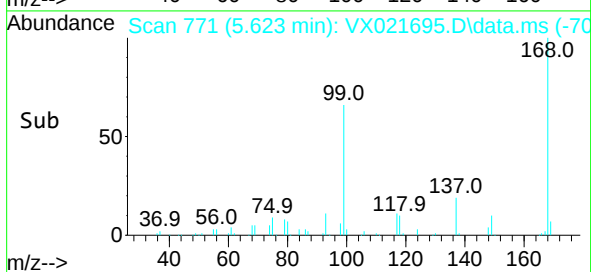
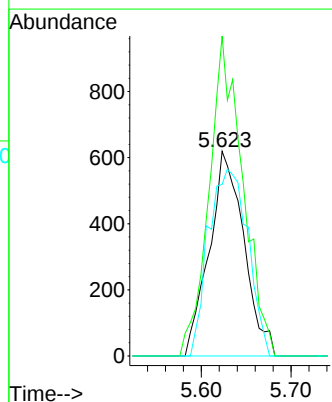
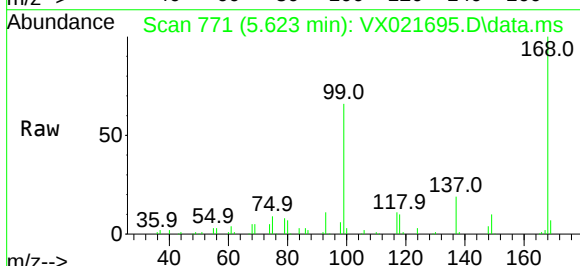
RT: 5.623 min Scan# 771

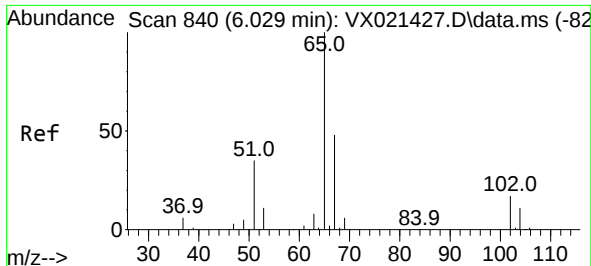
Delta R.T. 0.076 min

Lab File: VX021695.D

Acq: 31 Mar 2021 18:58

Tgt Ion: 56	Resp: 1657
Ion Ratio	Lower Upper
56	100
69	156.4 25.3 37.9#
84	83.8 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 51.90 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021695.D

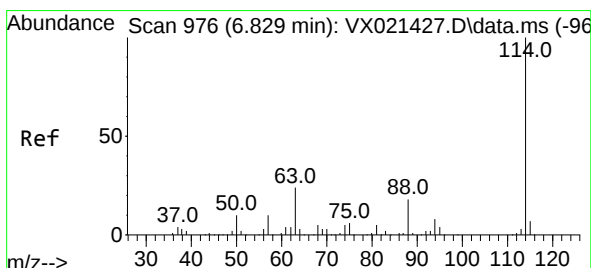
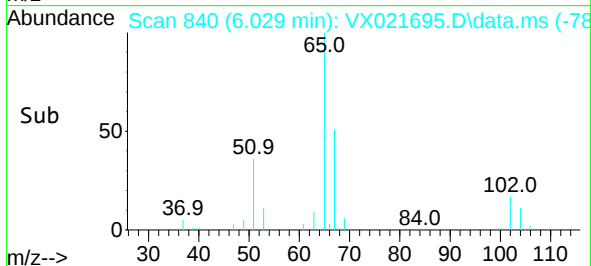
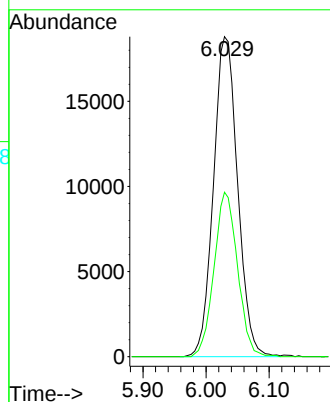
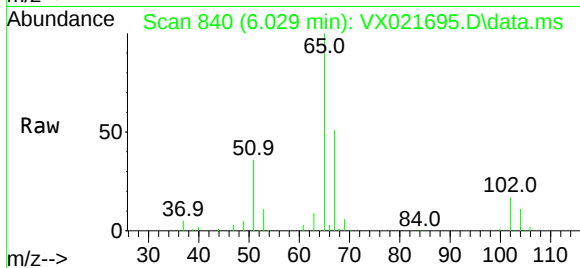
Acq: 31 Mar 2021 18:58

Tgt Ion: 65 Resp: 50014

Ion Ratio Lower Upper

65 100

67 50.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

Lab File: VX021695.D

Acq: 31 Mar 2021 18:58

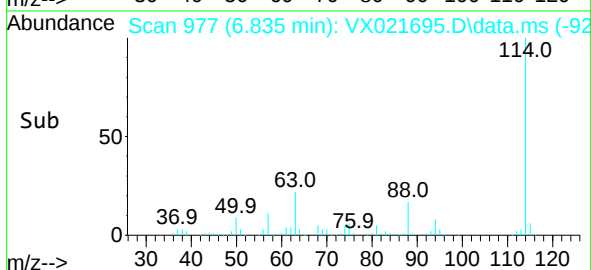
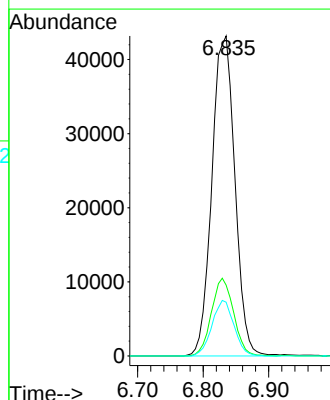
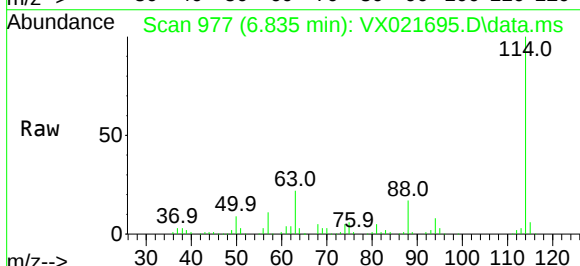
Tgt Ion: 114 Resp: 105238

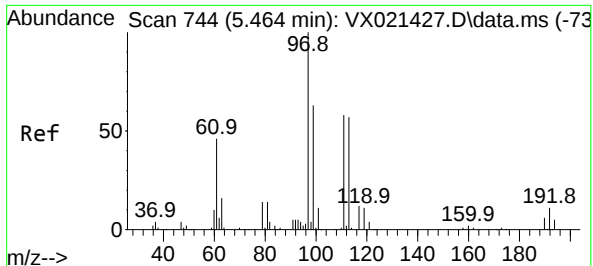
Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.36 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021695.D

Acq: 31 Mar 2021 18:58

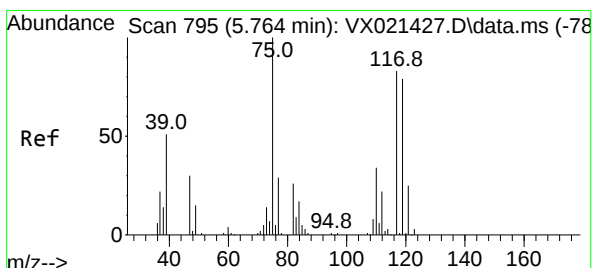
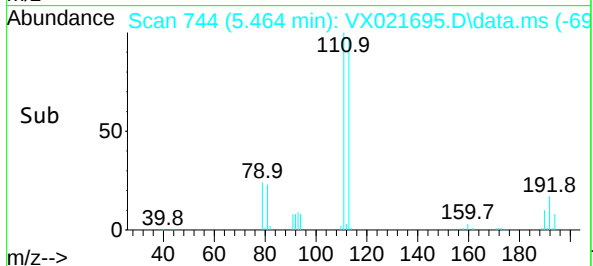
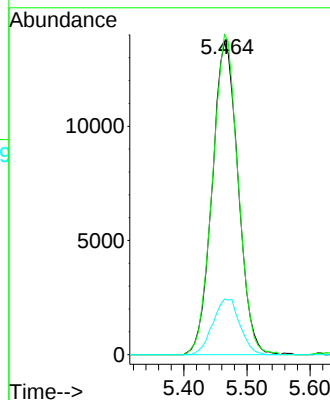
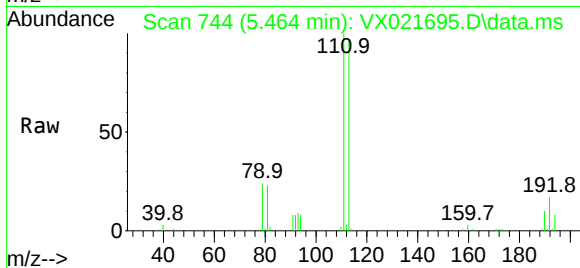
Tgt Ion:113 Resp: 39140

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

192 18.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.96 ug/l

RT: 5.623 min Scan# 771

Delta R.T. -0.141 min

Lab File: VX021695.D

Acq: 31 Mar 2021 18:58

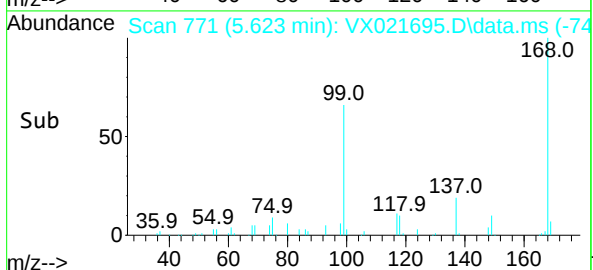
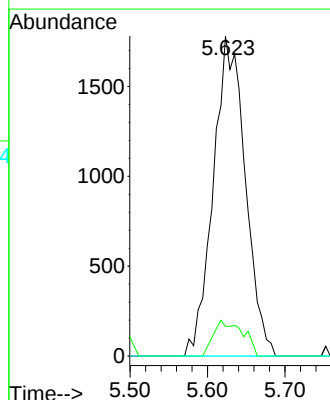
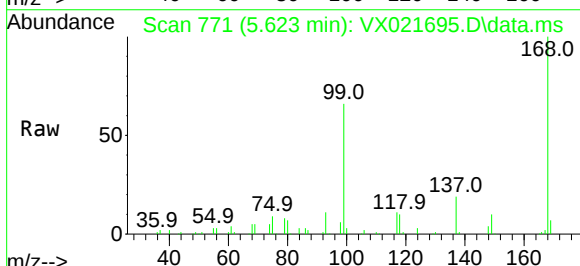
Tgt Ion: 75 Resp: 5114

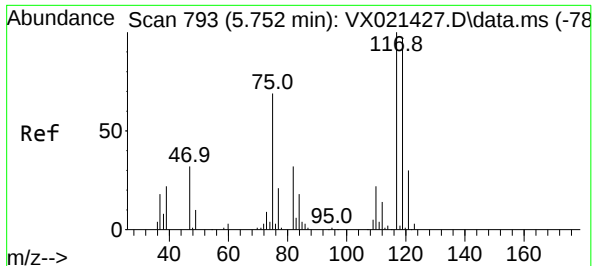
Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.4#

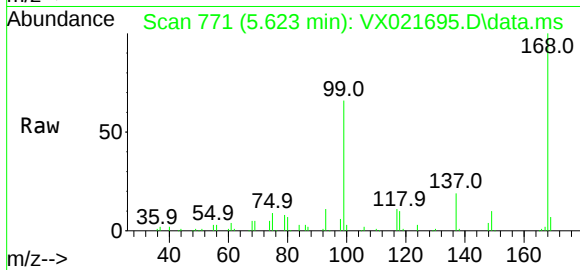
77 0.0 25.3 37.9#



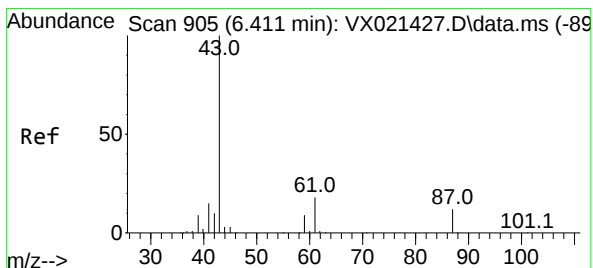
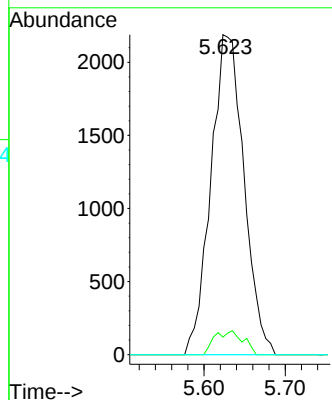
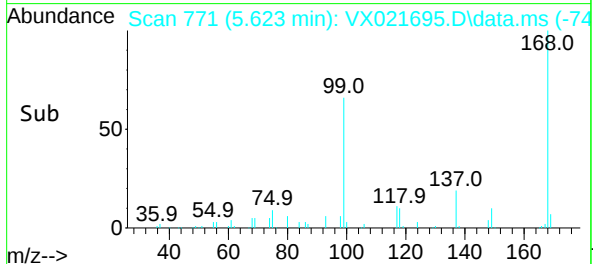


#38
Carbon Tetrachloride
Concen: 5.58 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

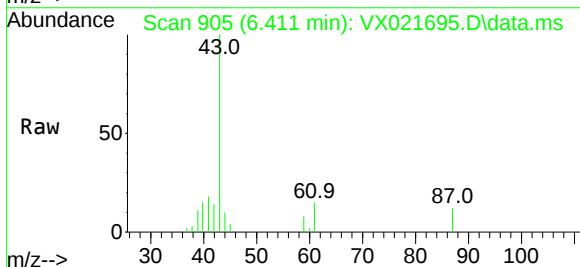
Instrument :
MSVOA_X
ClientSampleId :



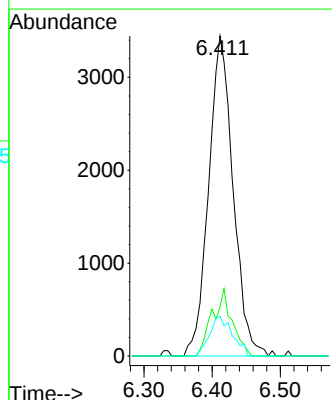
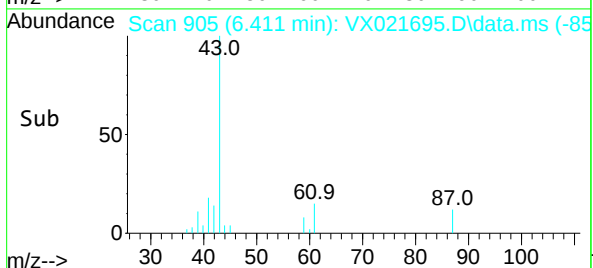
Tgt Ion:117 Resp: 6187
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

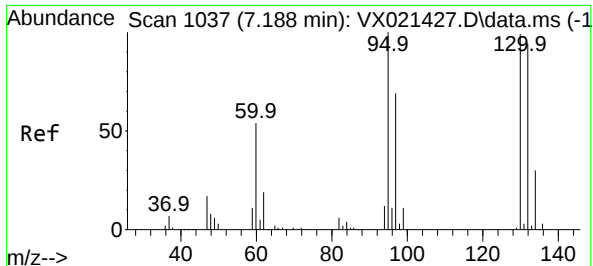


#43
Isopropyl Acetate
Concen: 4.46 ug/l
RT: 6.411 min Scan# 905
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58



Tgt Ion: 43 Resp: 8625
Ion Ratio Lower Upper
43 100
61 17.3 18.2 27.4#
87 11.5 12.5 18.7#

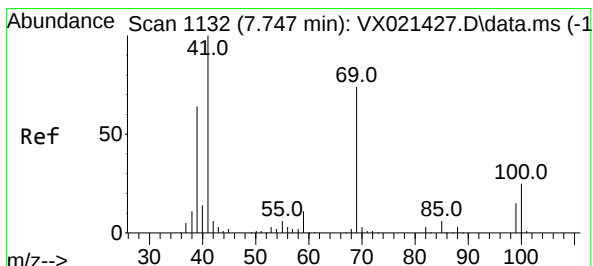
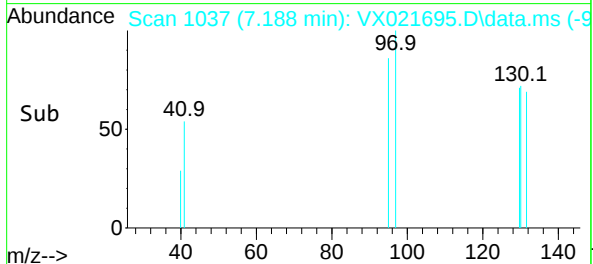
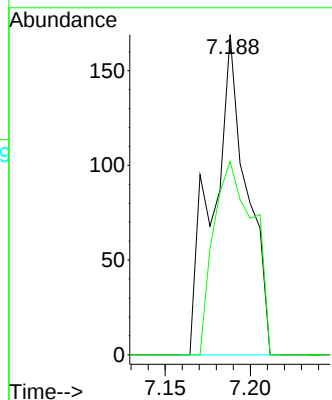
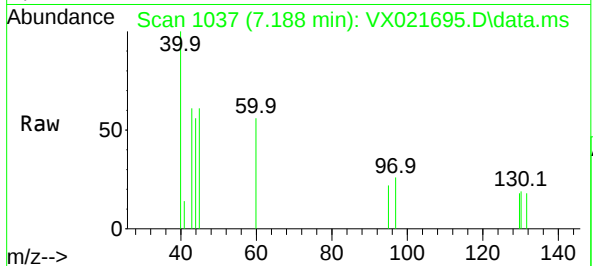




#44
Trichloroethene
Concen: 0.30 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

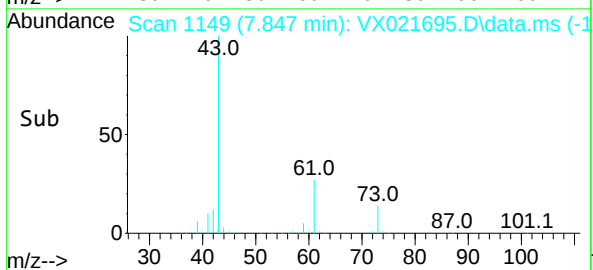
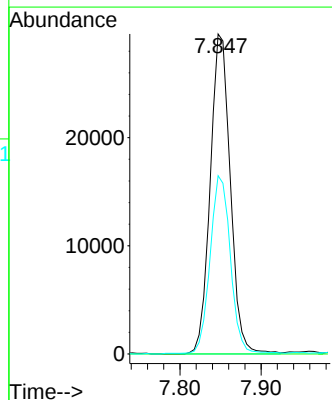
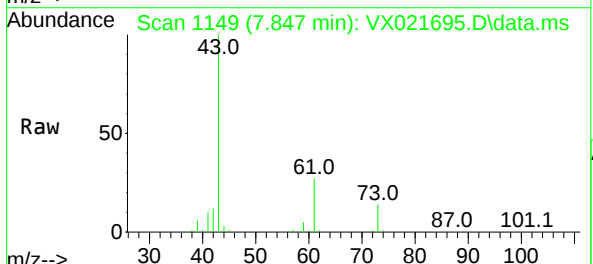
Instrument :
MSVOA_X
ClientSampled :

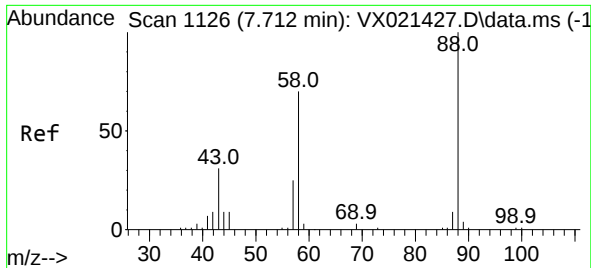
Tgt Ion:130 Resp: 235
Ion Ratio Lower Upper
130 100
95 60.4 0.0 198.0



#48
Methyl methacrylate
Concen: 49.20 ug/l
RT: 7.847 min Scan# 1149
Delta R.T. 0.100 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion: 41 Resp: 50813
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 55.9 44.6 67.0

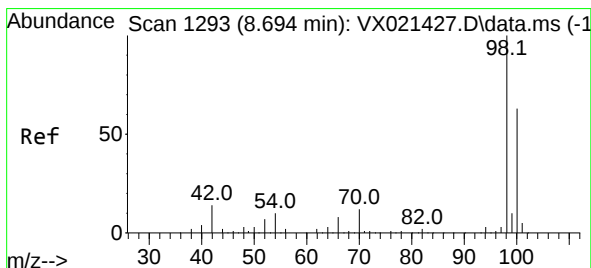
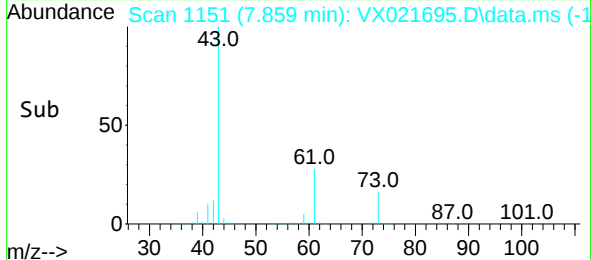
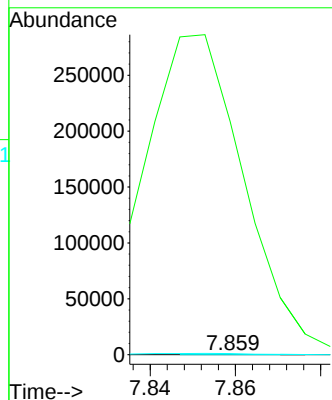
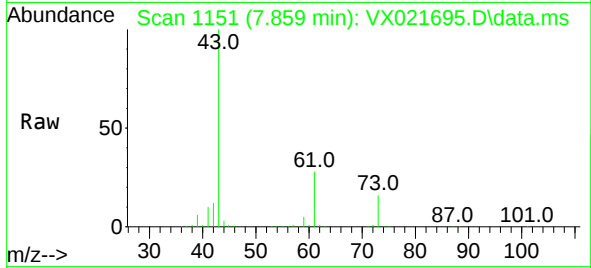




#49
1,4-Dioxane
Concen: 1.30 ug/l
RT: 7.859 min Scan# 1151
Delta R.T. 0.147 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

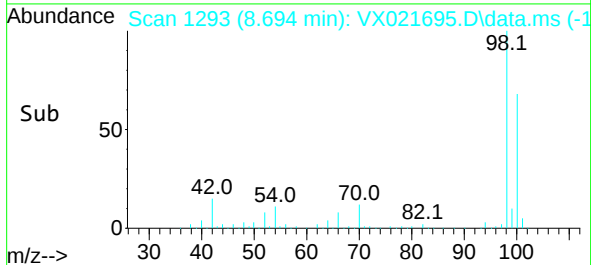
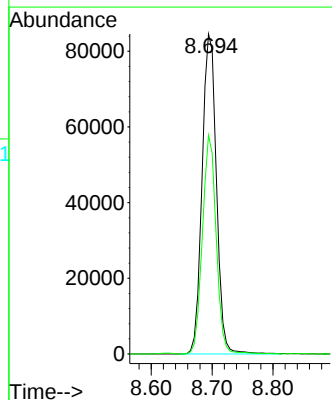
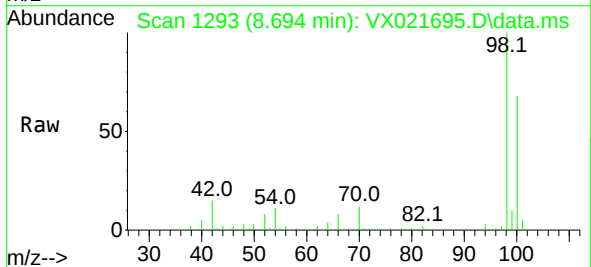
Instrument :
MSVOA_X
ClientSampled :

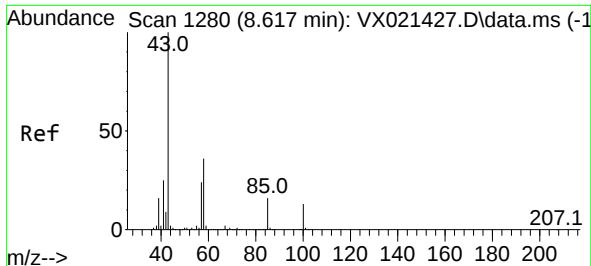
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 2030812.5 23.2 34.8#
58 9033.3 55.0 82.4#



#50
Toluene-d8
Concen: 51.95 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion: 98 Resp: 138399
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

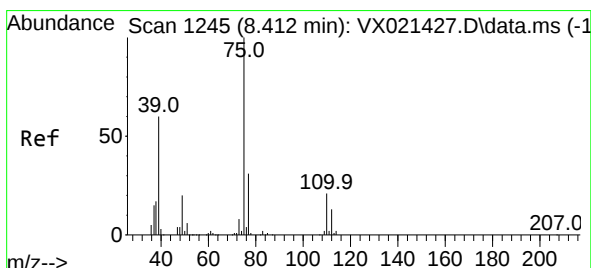
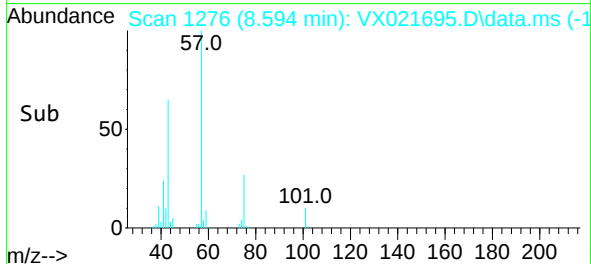
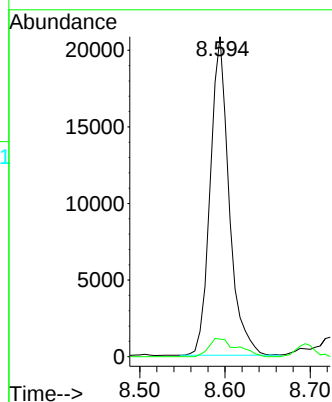
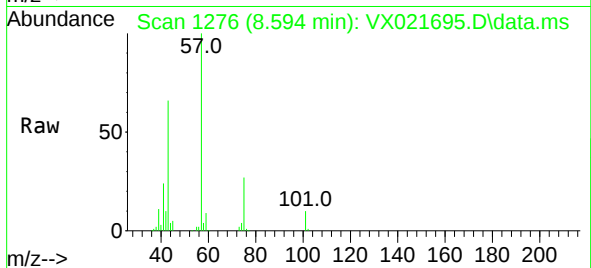




#51
4-Methyl-2-Pentanone
Concen: 26.87 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.023 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

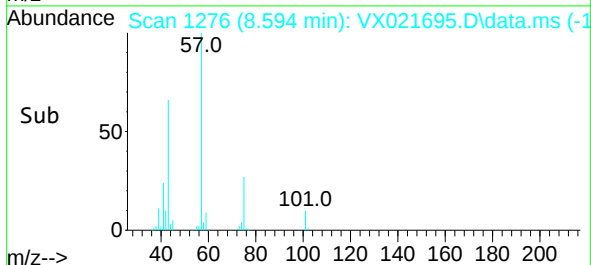
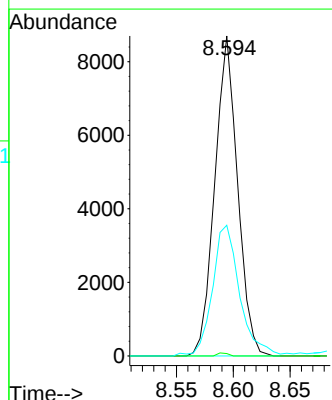
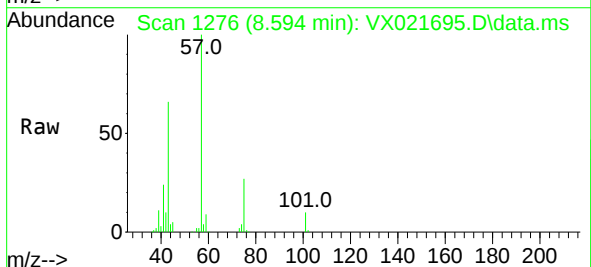
Instrument :
MSVOA_X
ClientSampled :

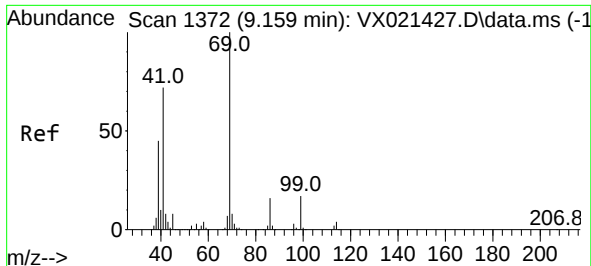
Tgt Ion: 43 Resp: 31996
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.61 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

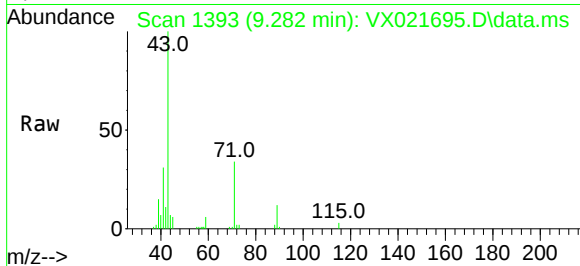
Tgt Ion: 75 Resp: 12145
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 40.3 35.1 52.7



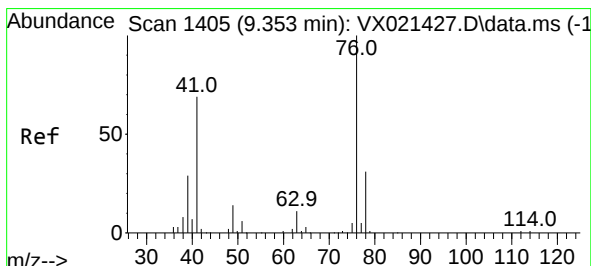
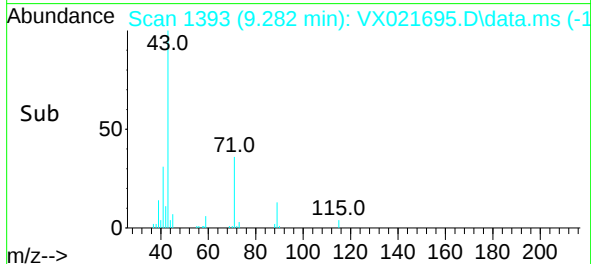
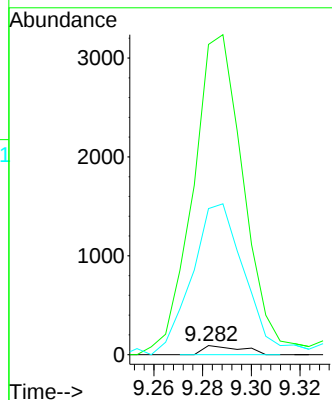


#56
Ethyl methacrylate
Concen: 2.16 ug/l
RT: 9.282 min Scan# 1393
Delta R.T. 0.123 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Instrument :
MSVOA_X
ClientSampled :

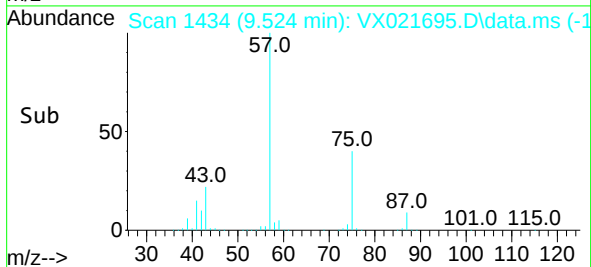
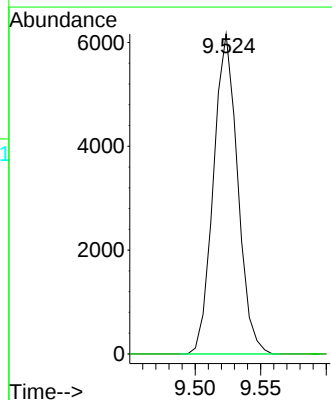
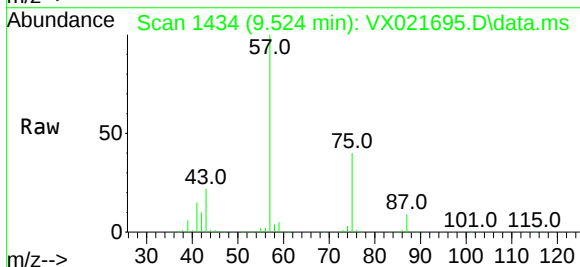


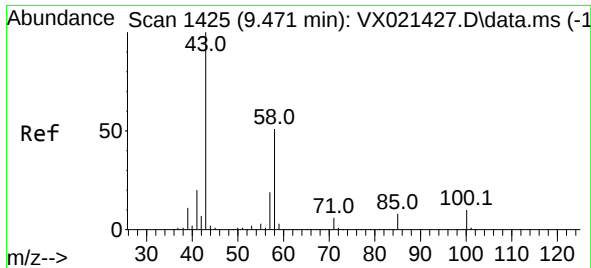
Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 4661.4 46.8 70.2#
39 2313.9 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 6.05 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion: 76 Resp: 7905
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

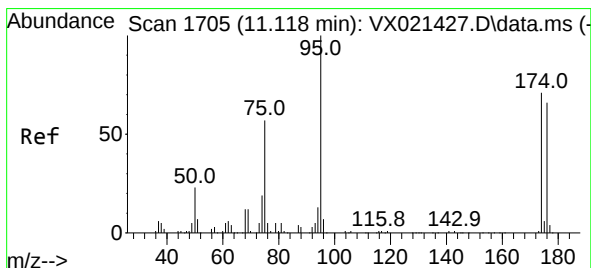
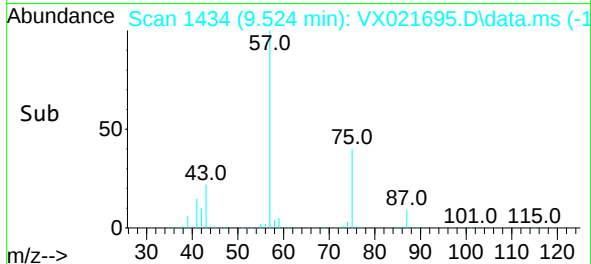
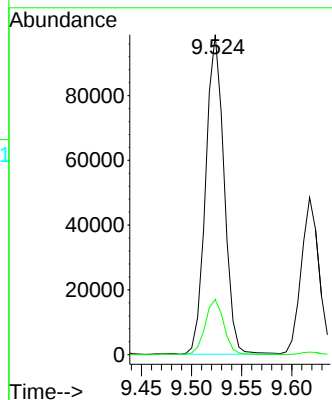
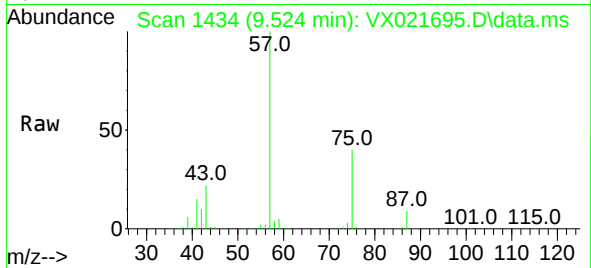




#59
2-Hexanone
Concen: 140.62 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

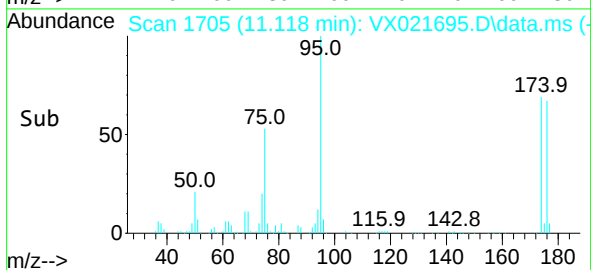
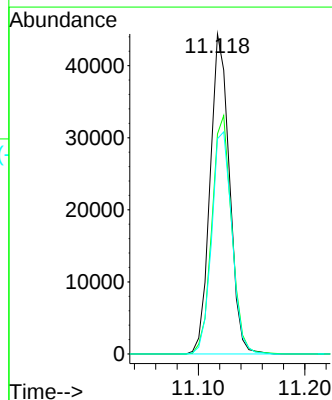
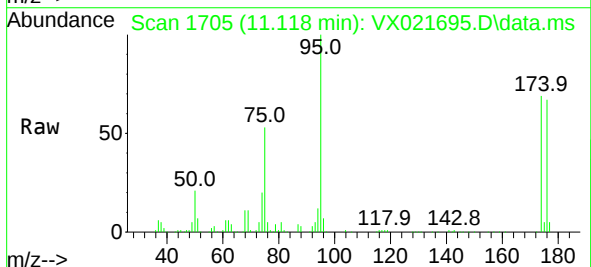
Instrument :
MSVOA_X
ClientSampled :

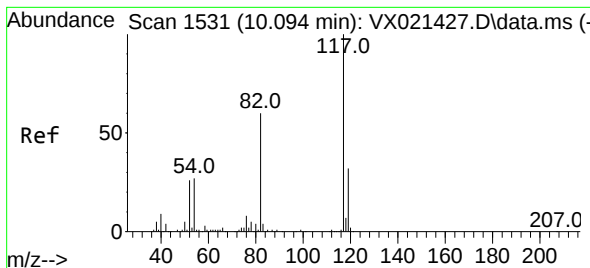
Tgt Ion: 43 Resp: 125730
Ion Ratio Lower Upper
43 100
58 17.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 53.90 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion: 95 Resp: 55827
Ion Ratio Lower Upper
95 100
174 76.4 0.0 154.6
176 72.8 0.0 155.8

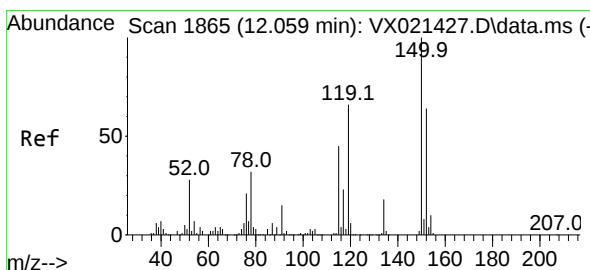
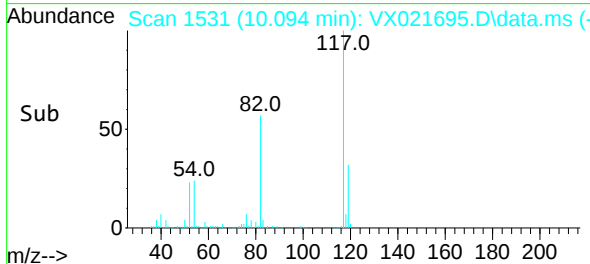
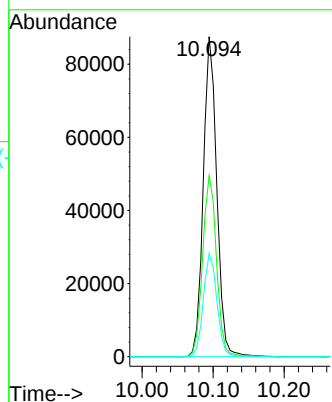
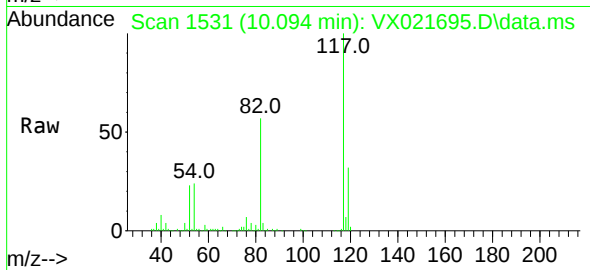




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

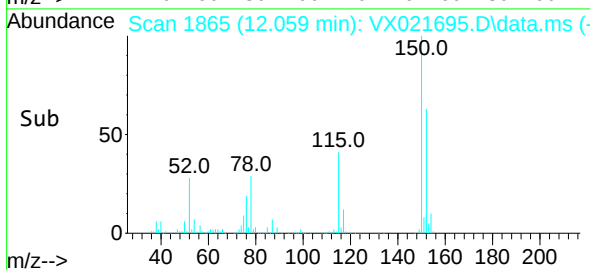
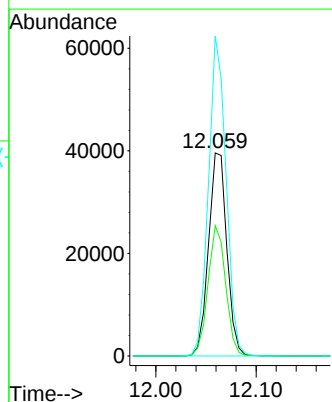
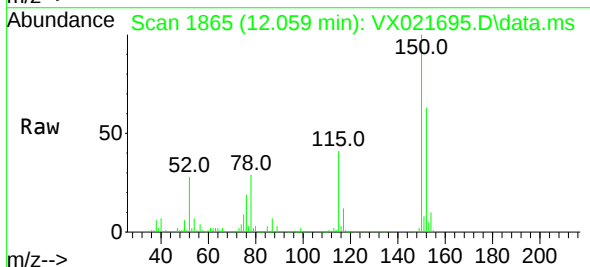
Instrument :
MSVOA_X
ClientSampled :

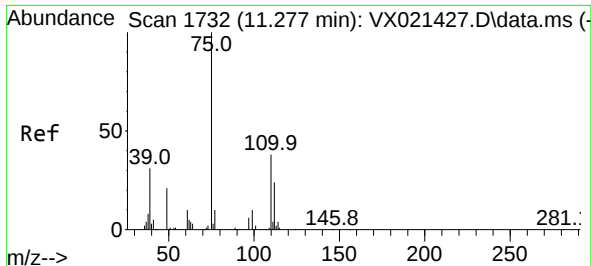
Tgt Ion:117 Resp: 115958
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion:152 Resp: 50321
Ion Ratio Lower Upper
152 100
115 62.0 41.1 123.3
150 151.2 0.0 349.0

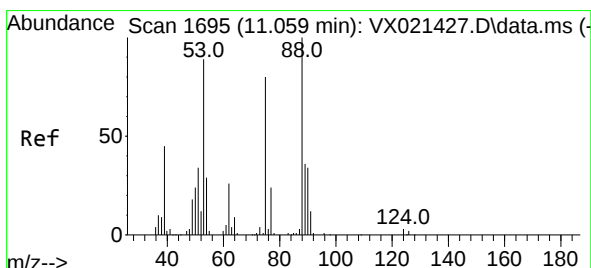
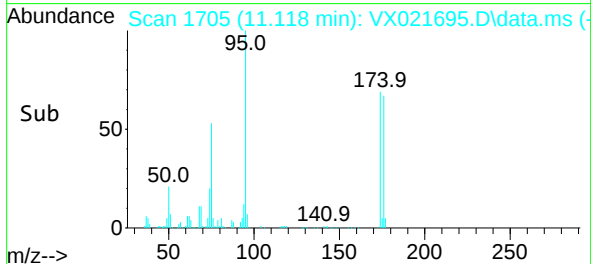
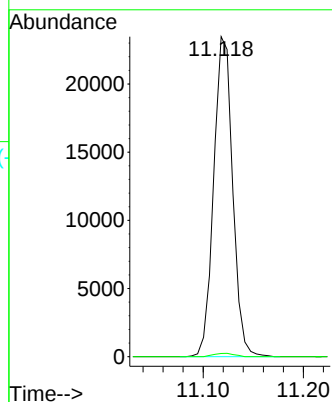
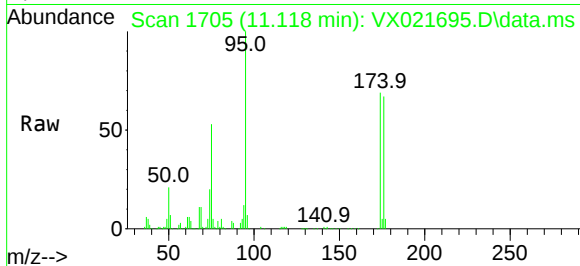




#76
1,2,3-Trichloropropane
Concen: 26.31 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 30825
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.15 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021695.D
Acq: 31 Mar 2021 18:58

Tgt Ion: 75 Resp: 30825
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

