

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031021\
 Data File : VX021137.D
 Acq On : 10 Mar 2021 15:18
 Operator : JC/MD
 Sample : PB135079TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 02:12:36 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)

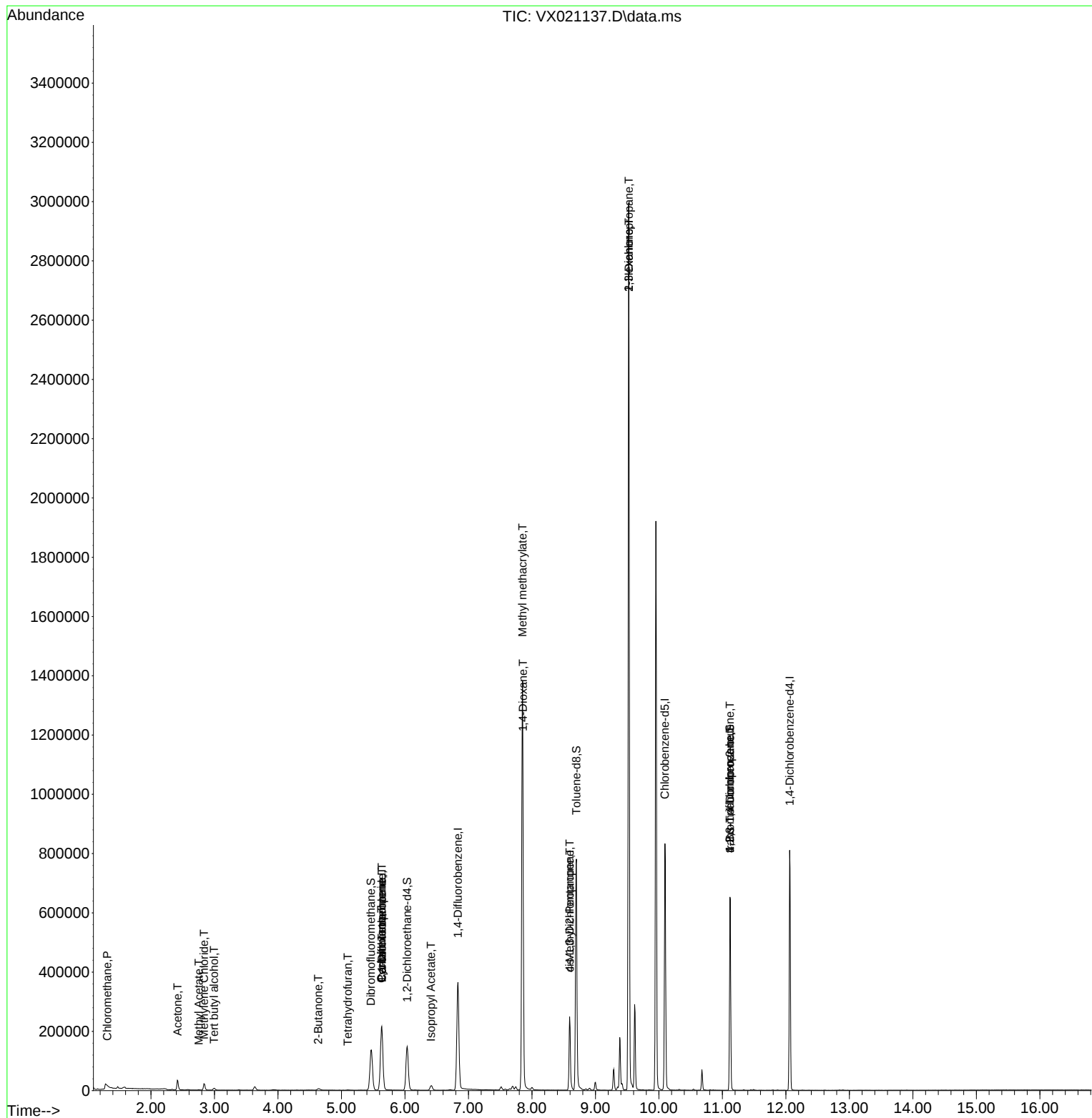
Internal Standards						
1) Pentafluorobenzene	5.635	168	210600	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.835	114	375486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	394181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	168617	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	139686	49.10	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.20%
35) Dibromofluoromethane	5.464	113	120213	52.69	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.38%
50) Toluene-d8	8.700	98	489218	55.00	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	110.00%
62) 4-Bromofluorobenzene	11.118	95	186690	56.76	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.52%
Target Compounds						
					Qvalue	
3) Chloromethane	1.311	50	1194	0.47	ug/l #	78
5) Bromomethane	1.640	94	353	Below	Cal	92
11) Tert butyl alcohol	2.993	59	3639	5.74	ug/l #	79
16) Acetone	2.417	43	33316	28.42	ug/l	96
18) Methyl Acetate	2.752	43	1378	0.50	ug/l	92
20) Methylene Chloride	2.834	84	10398	3.70	ug/l	92
25) 2-Butanone	4.635	43	6090	3.42	ug/l	91
29) Tetrahydrofuran	5.099	42	824	0.72	ug/l #	60
31) Cyclohexane	5.629	56	4146	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.635	75	15585	4.37	ug/l #	48
38) Carbon Tetrachloride	5.635	117	19618	5.67	ug/l #	16
43) Isopropyl Acetate	6.411	43	21240	3.68	ug/l	97
48) Methyl methacrylate	7.853	41	112956	38.99	ug/l #	36
49) 1,4-Dioxane	7.859	88	186	2.75	ug/l #	1
51) 4-Methyl-2-Pentanone	8.594	43	80706	24.00	ug/l #	46
54) cis-1,3-Dichloropropene	8.594	75	42088	9.11	ug/l #	60
57) 1,3-Dichloropropane	9.524	76	26232	5.81	ug/l #	43
59) 2-Hexanone	9.524	43	318601	126.28	ug/l #	45
76) 1,2,3-Trichloropropane	11.118	75	88583	24.42	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	88583	54.07	ug/l #	12

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

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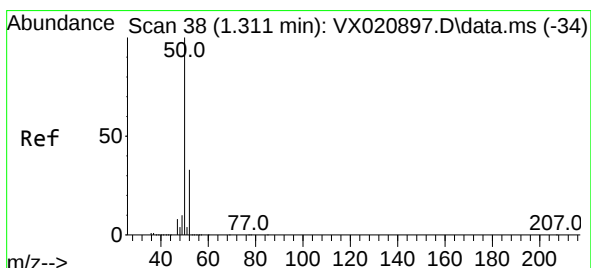
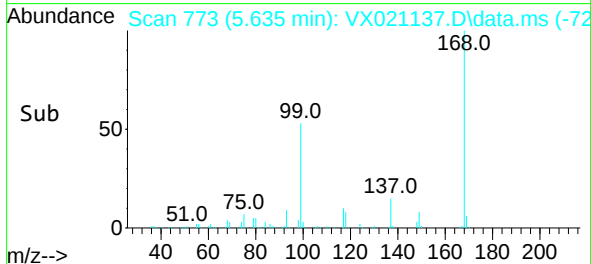
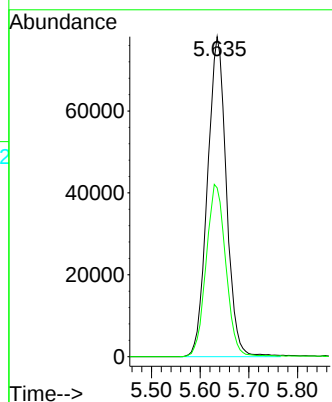
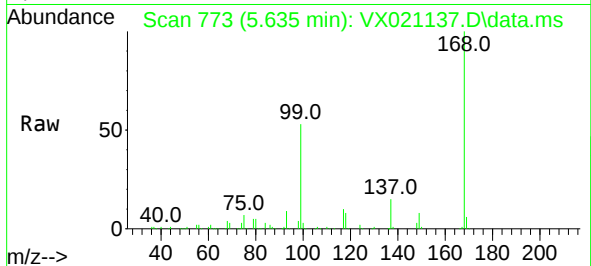




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

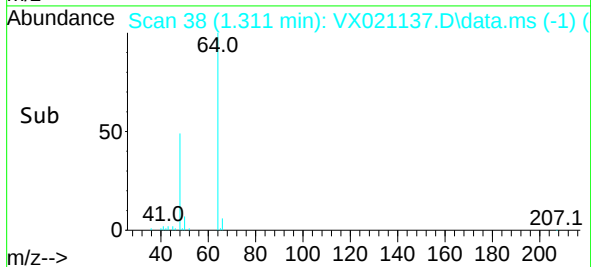
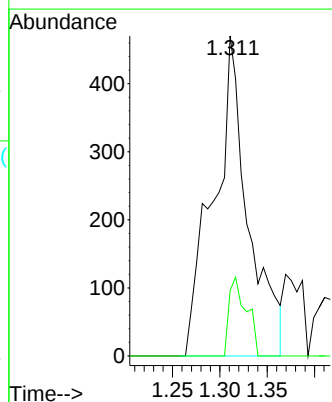
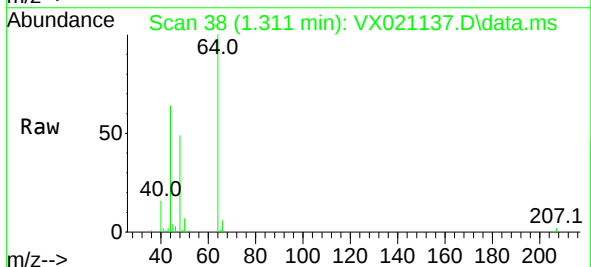
Instrument :
MSVOA_X
ClientSampleId :

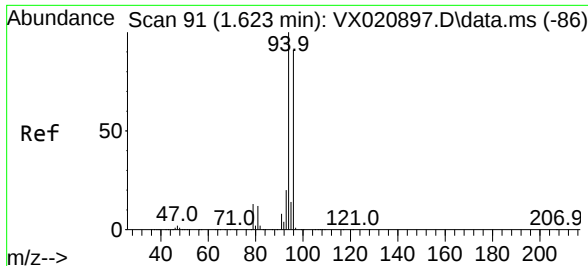
Tgt Ion:168 Resp: 210600
Ion Ratio Lower Upper
168 100
99 52.7 45.8 68.6



#3
Chloromethane
Concen: 0.47 ug/l
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

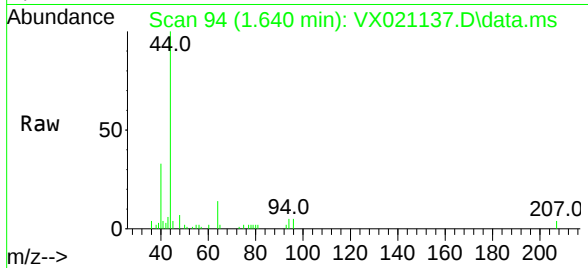
Tgt Ion: 50 Resp: 1194
Ion Ratio Lower Upper
50 100
52 20.4 26.4 39.6#



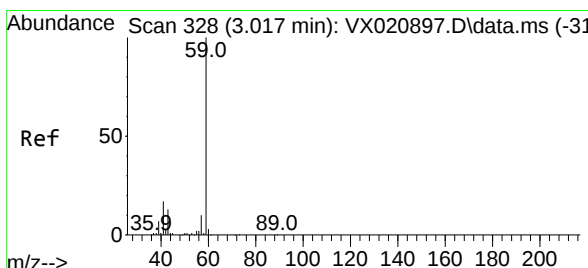
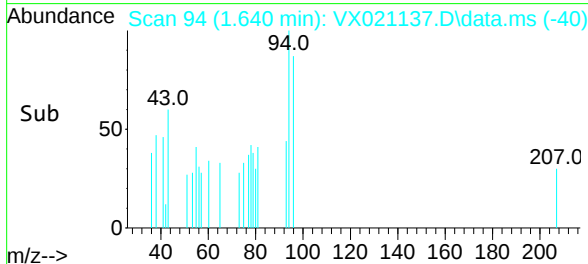
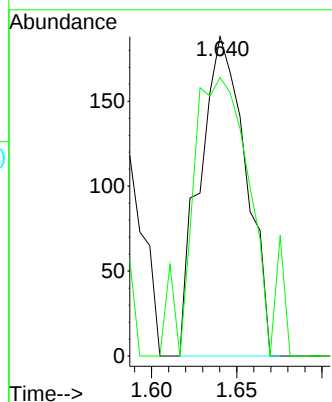


#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Instrument :
MSVOA_X
ClientSampled :

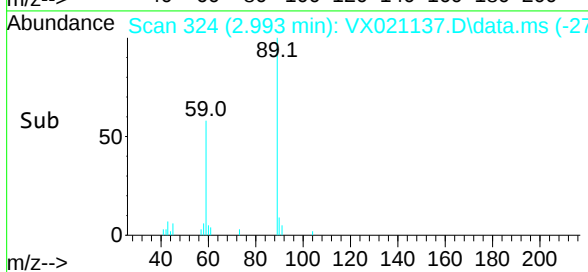
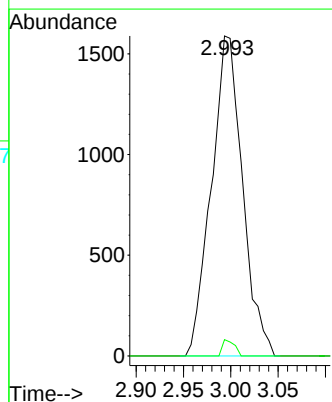
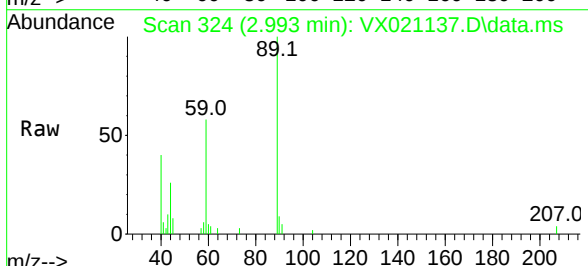


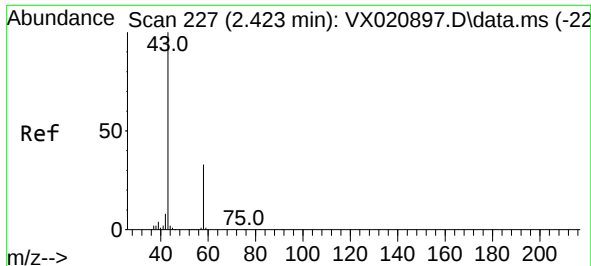
Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 87.2 76.4 114.6



#11
Tert butyl alcohol
Concen: 5.74 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 59 Resp: 3639
Ion Ratio Lower Upper
59 100
57 2.0 7.8 11.8#

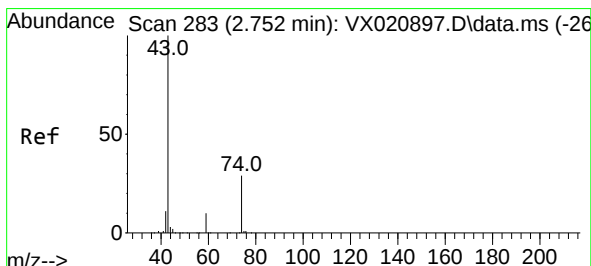
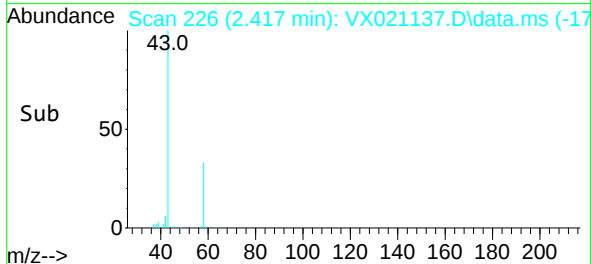
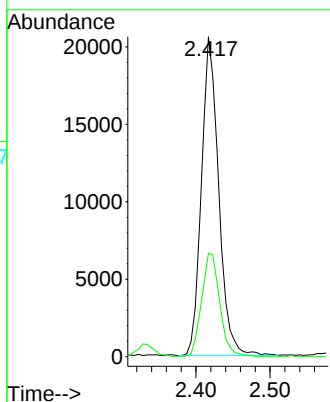
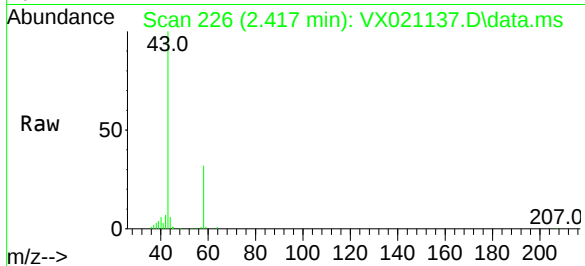




#16
Acetone
Concen: 28.42 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

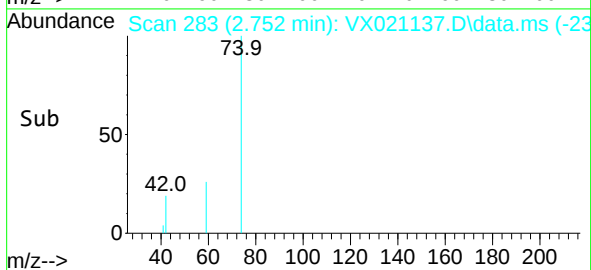
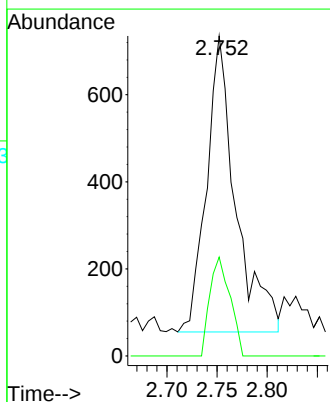
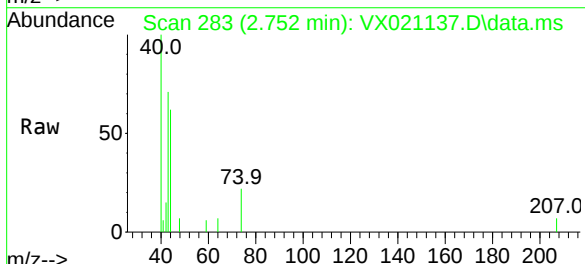
Instrument :
MSVOA_X
ClientSampleId :

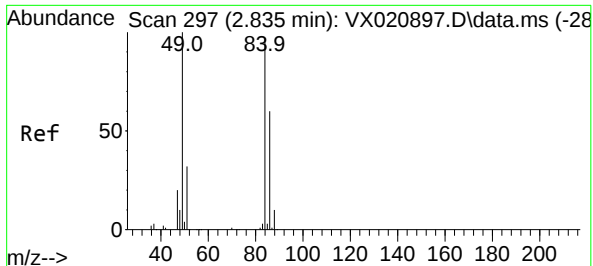
Tgt Ion: 43 Resp: 33316
Ion Ratio Lower Upper
43 100
58 32.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
74 23.1 21.9 32.9





#20

Methylene Chloride

Concen: 3.70 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX021137.D

Acq: 10 Mar 2021 15:18

Tgt Ion: 84 Resp: 10398

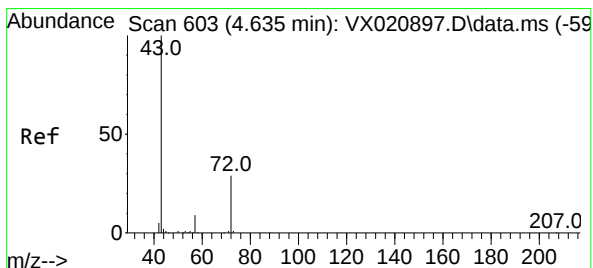
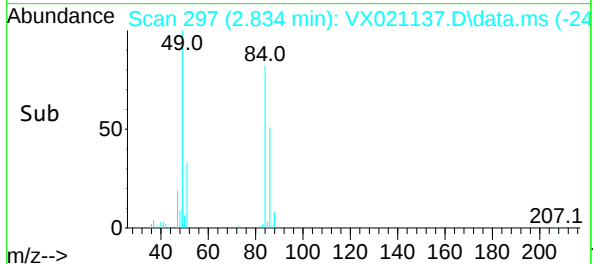
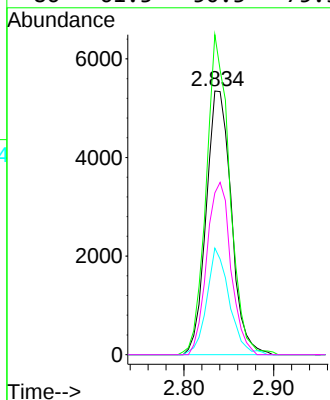
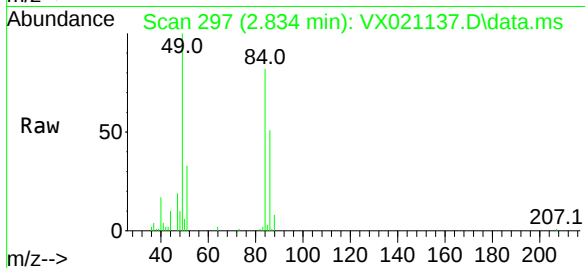
Ion Ratio Lower Upper

84 100

49 121.3 88.6 132.8

51 40.4 27.0 40.6

86 61.3 50.3 75.5



#25

2-Butanone

Concen: 3.42 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.000 min

Lab File: VX021137.D

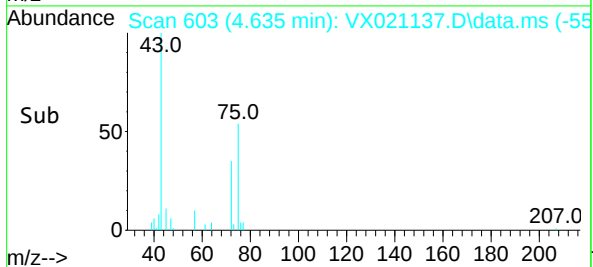
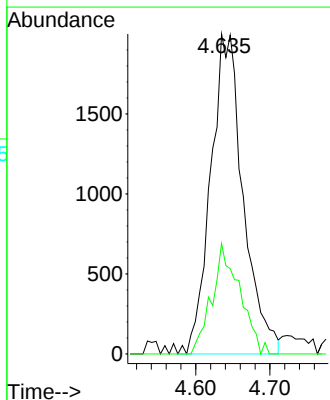
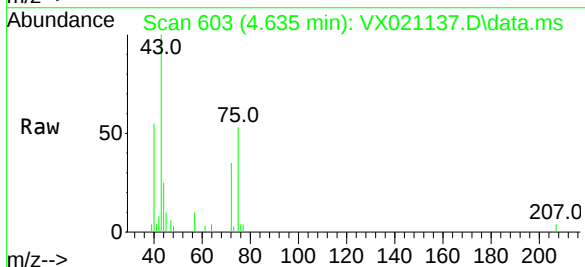
Acq: 10 Mar 2021 15:18

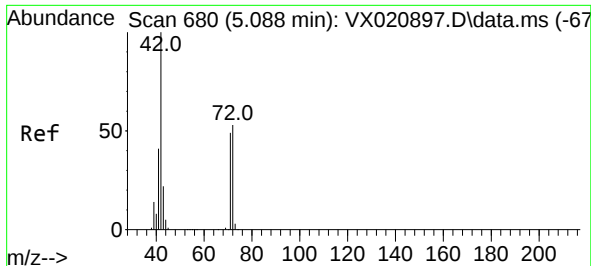
Tgt Ion: 43 Resp: 6090

Ion Ratio Lower Upper

43 100

72 34.5 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.72 ug/l

RT: 5.099 min Scan# 682

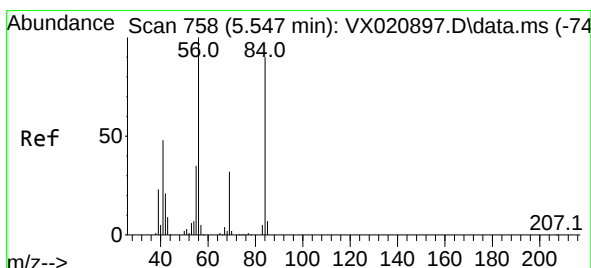
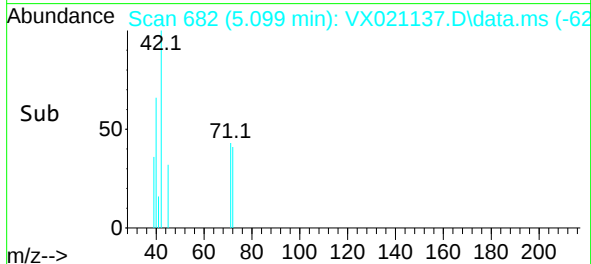
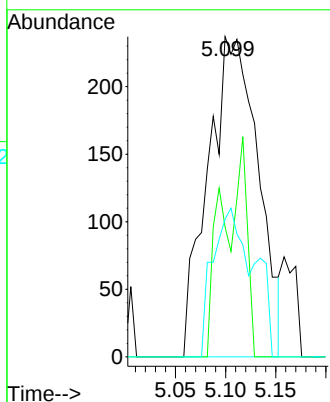
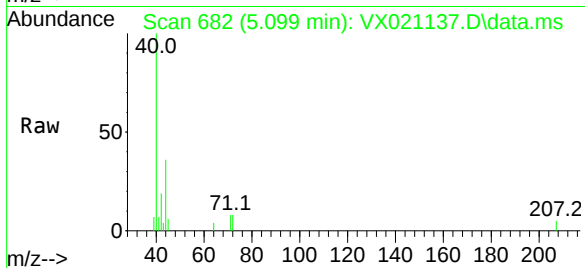
Delta R.T. 0.012 min

Lab File: VX021137.D

Acq: 10 Mar 2021 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	42	Resp:	824
Ion	Ratio	Lower	Upper
42	100		
72	16.9	41.7	62.5#
71	28.9	38.4	57.6#



#31

Cyclohexane

Concen: 1.01 ug/l

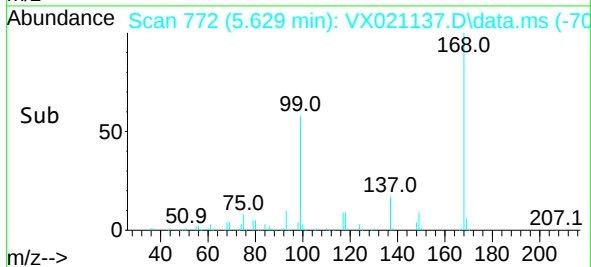
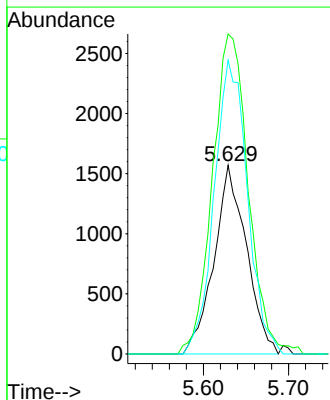
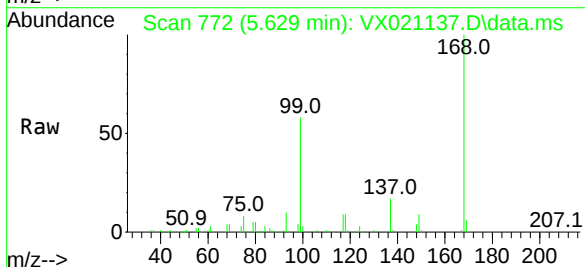
RT: 5.629 min Scan# 772

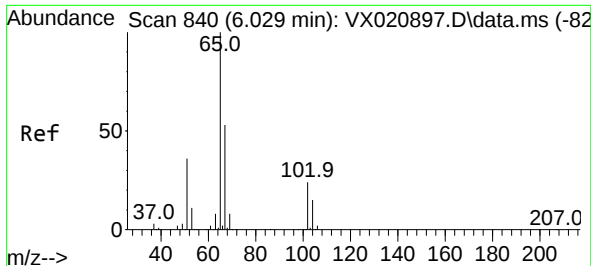
Delta R.T. 0.082 min

Lab File: VX021137.D

Acq: 10 Mar 2021 15:18

Tgt Ion:	56	Resp:	4146
Ion	Ratio	Lower	Upper
56	100		
69	169.7	25.3	37.9#
84	155.8	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.10 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021137.D

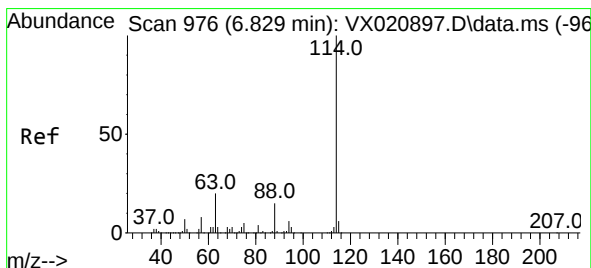
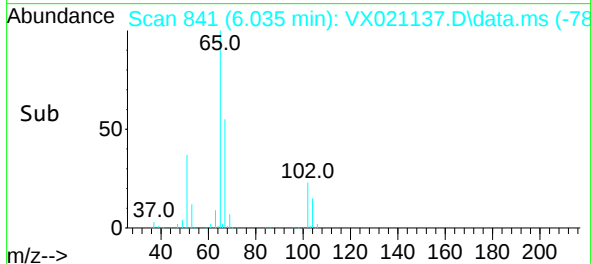
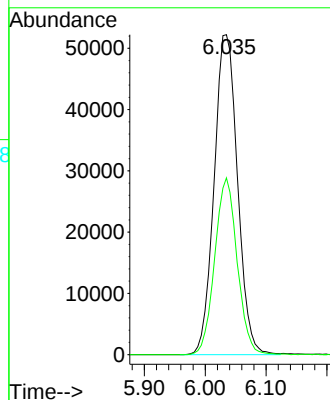
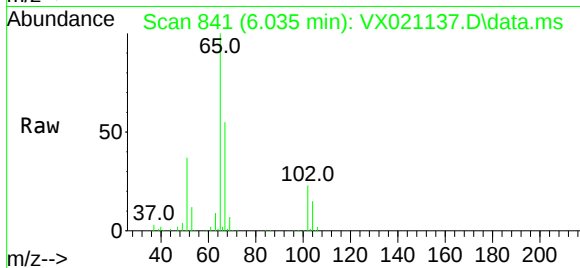
Acq: 10 Mar 2021 15:18

Tgt Ion: 65 Resp: 139686

Ion Ratio Lower Upper

65 100

67 52.9 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: VX021137.D

Acq: 10 Mar 2021 15:18

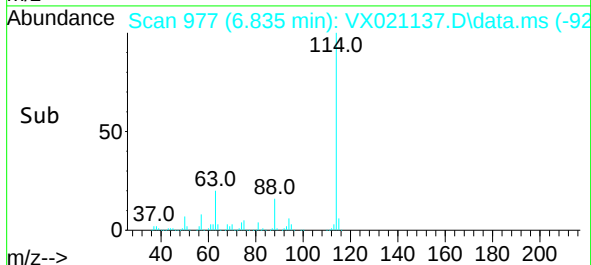
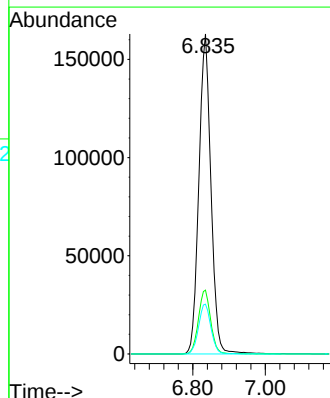
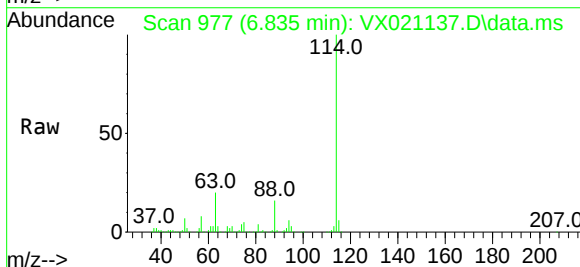
Tgt Ion: 114 Resp: 375486

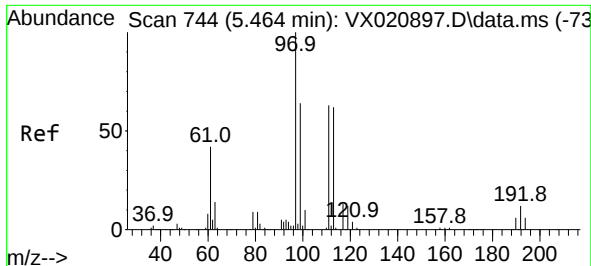
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.6 0.0 32.8

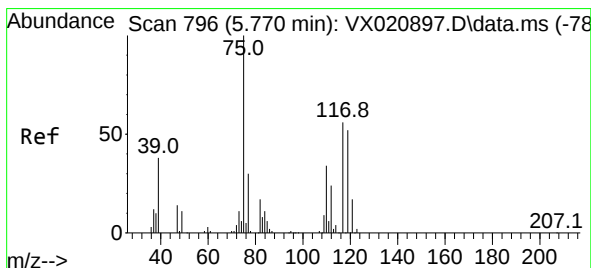
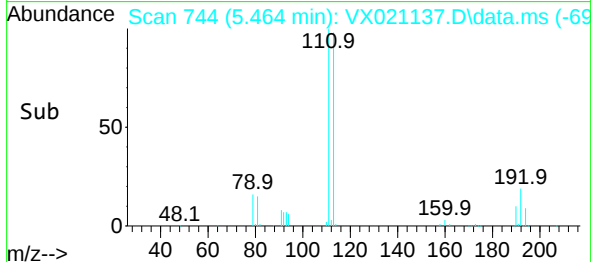
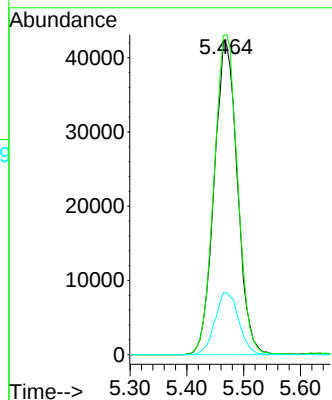
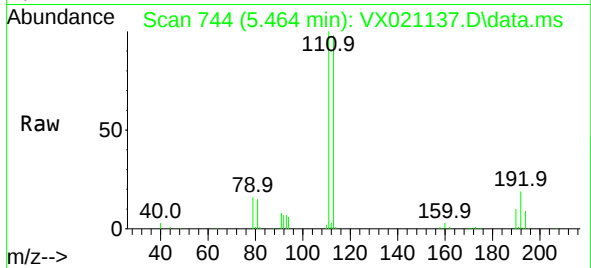




#35
Dibromofluoromethane
Concen: 52.69 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

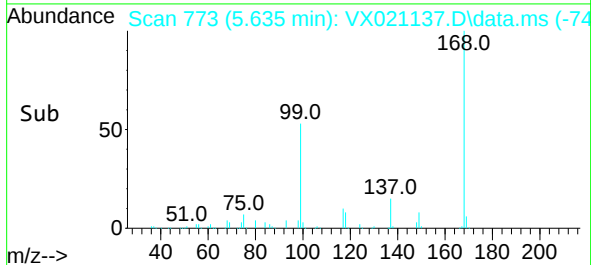
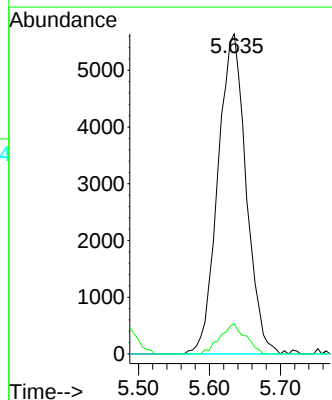
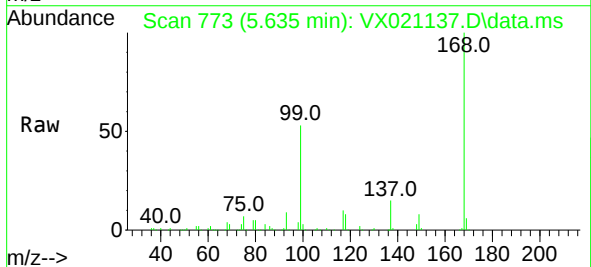
Instrument :
MSVOA_X
ClientSampleId :

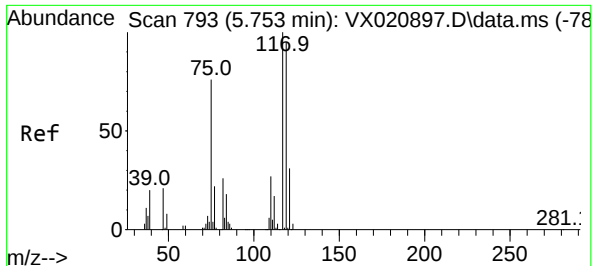
Tgt Ion:113 Resp: 120213
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 20.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 75 Resp: 15585
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#

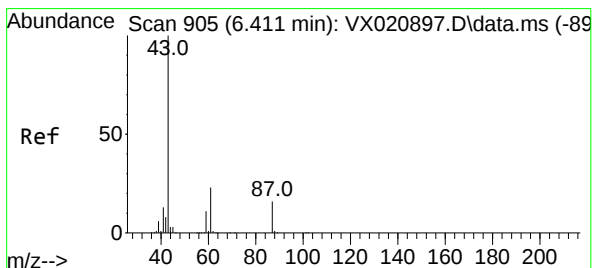
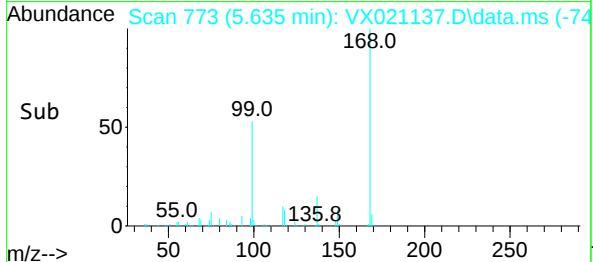
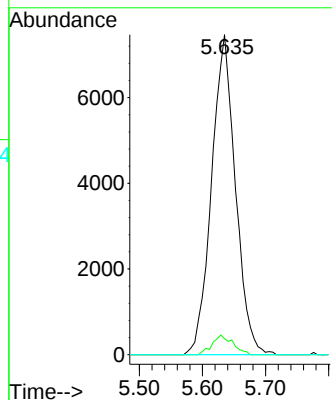
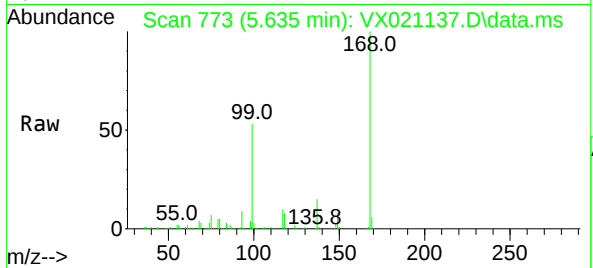




#38
Carbon Tetrachloride
Concen: 5.67 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.118 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

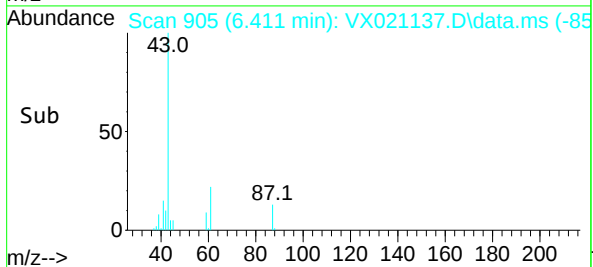
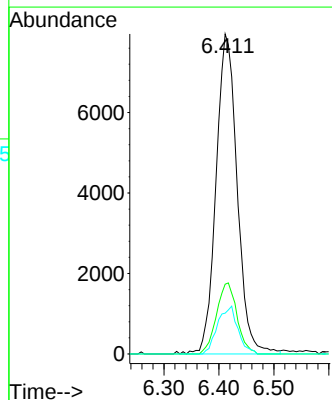
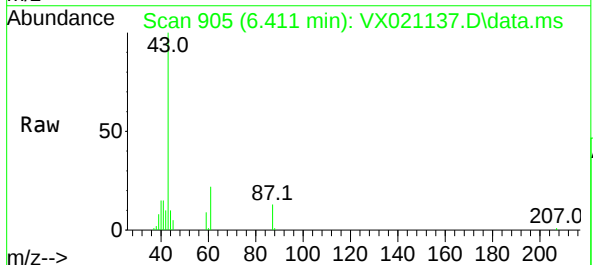
Instrument :
MSVOA_X
ClientSampleId :

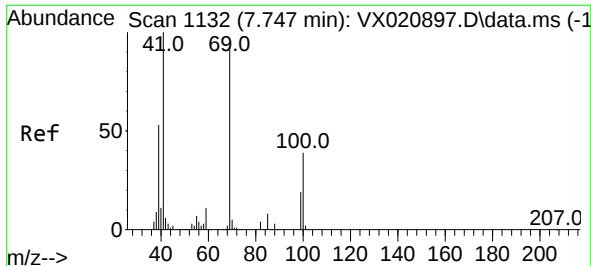
Tgt Ion:117 Resp: 19618
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.68 ug/l
RT: 6.411 min Scan# 905
Delta R.T. -0.000 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 43 Resp: 21240
Ion Ratio Lower Upper
43 100
61 21.5 18.2 27.4
87 14.4 12.5 18.7

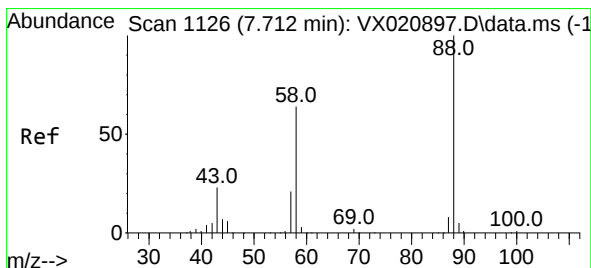
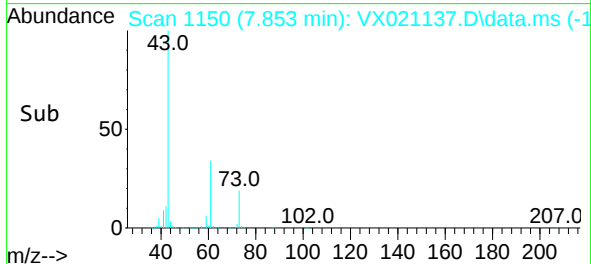
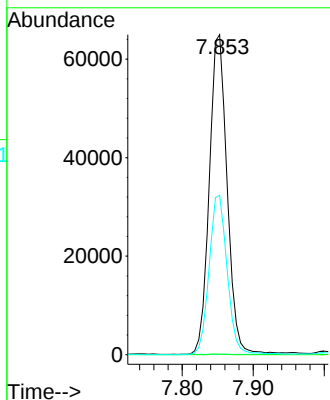
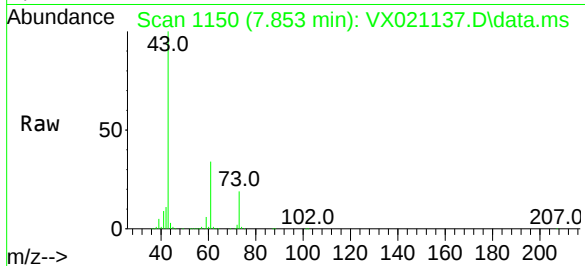




#48
Methyl methacrylate
Concen: 38.99 ug/l
RT: 7.853 min Scan# 1150
Delta R.T. 0.106 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

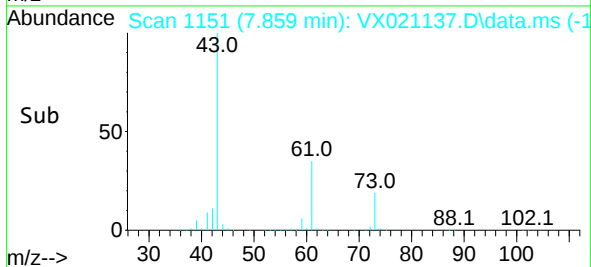
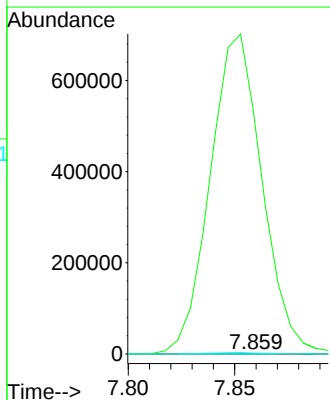
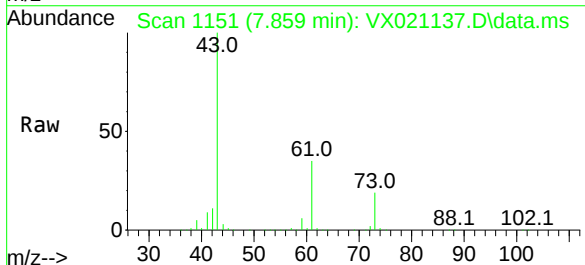
Instrument :
MSVOA_X
ClientSampled :

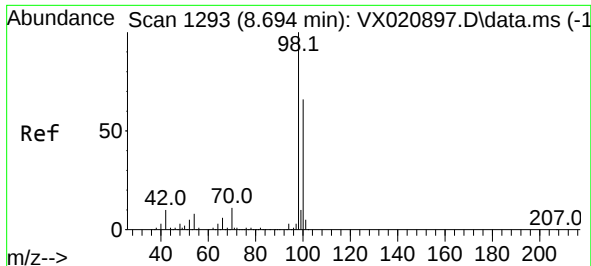
Tgt Ion: 41 Resp: 112956
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 50.9 44.6 67.0



#49
1,4-Dioxane
Concen: 2.75 ug/l
RT: 7.859 min Scan# 1151
Delta R.T. 0.147 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 648266.1 23.2 34.8#
58 2986.0 55.0 82.4#

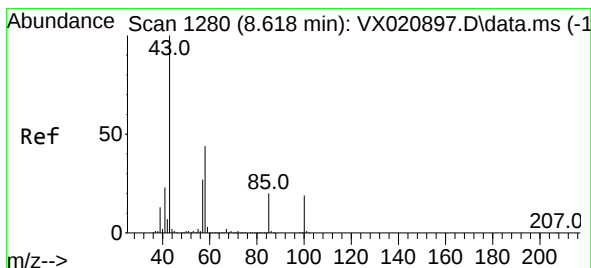
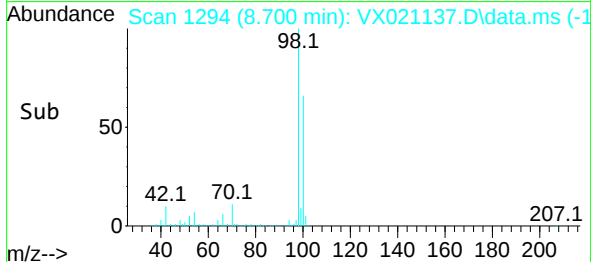
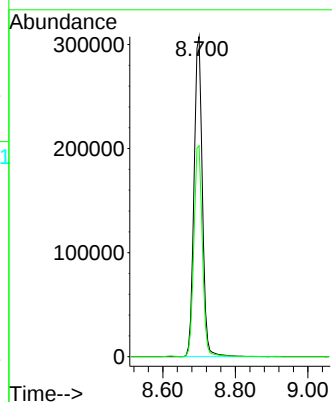
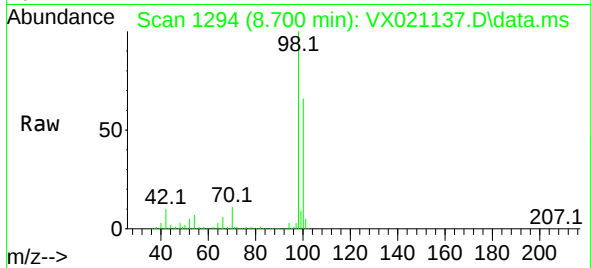




#50
Toluene-d8
Concen: 55.00 ug/l
RT: 8.700 min Scan# 1294
Delta R.T. 0.006 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

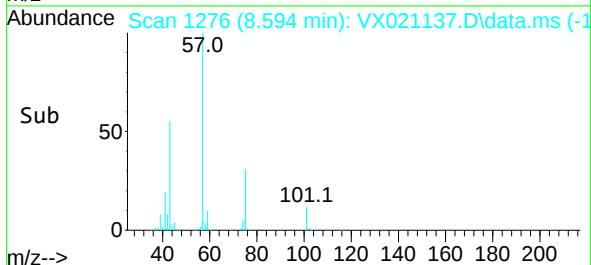
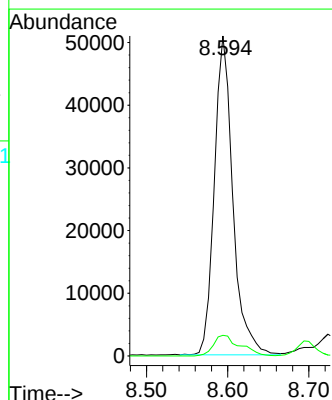
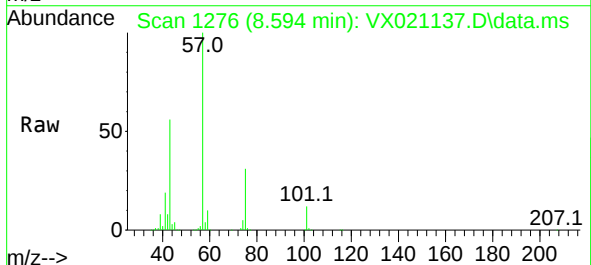
Instrument :
MSVOA_X
ClientSampled :

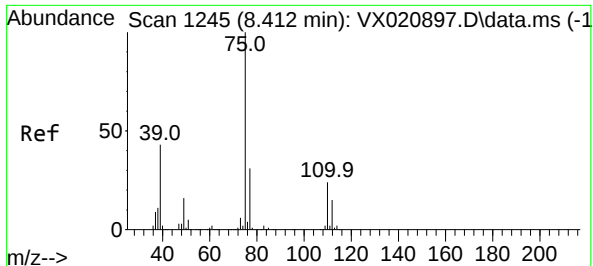
Tgt Ion: 98 Resp: 489218
Ion Ratio Lower Upper
98 100
100 67.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 24.00 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 43 Resp: 80706
Ion Ratio Lower Upper
43 100
58 9.4 35.4 53.0#

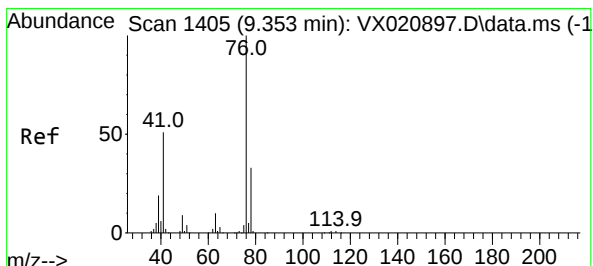
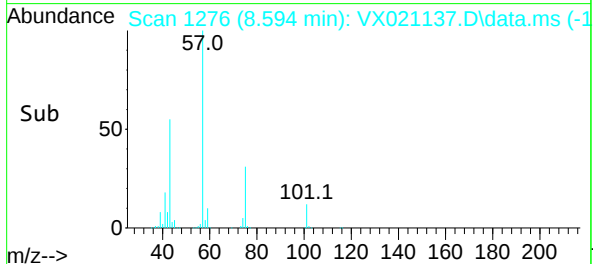
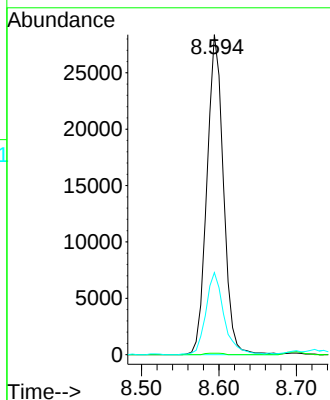
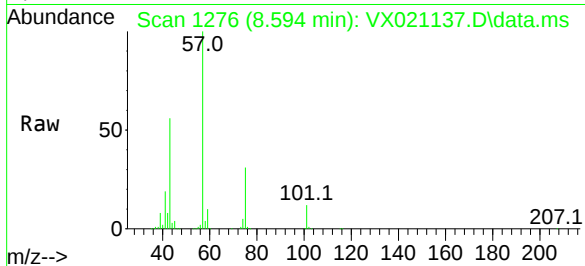




#54
cis-1,3-Dichloropropene
Concen: 9.11 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

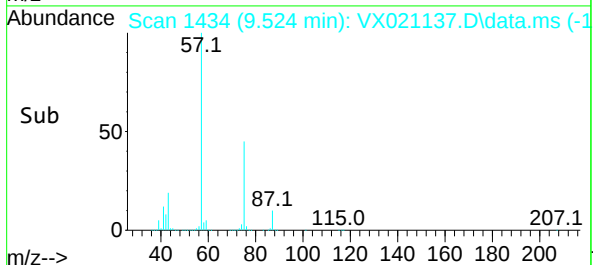
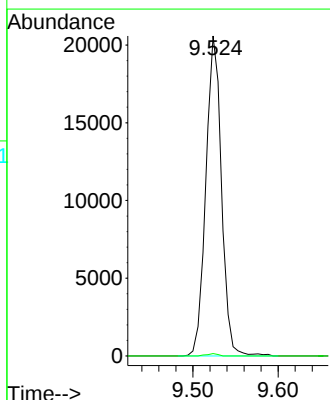
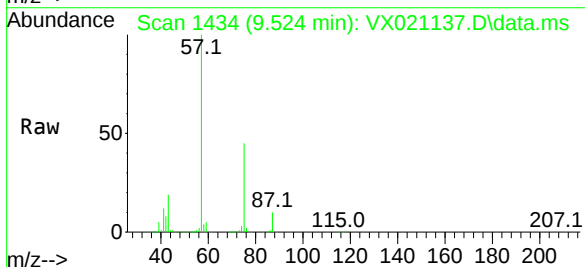
Instrument :
MSVOA_X
ClientSampleId :

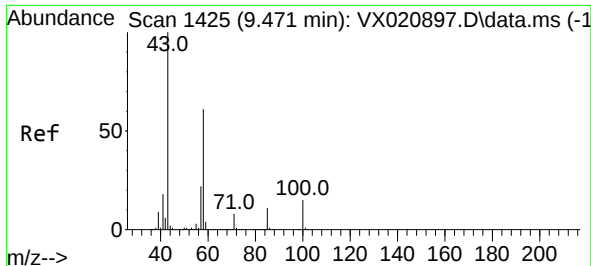
Tgt Ion: 75 Resp: 42088
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 25.7 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.81 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 76 Resp: 26232
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

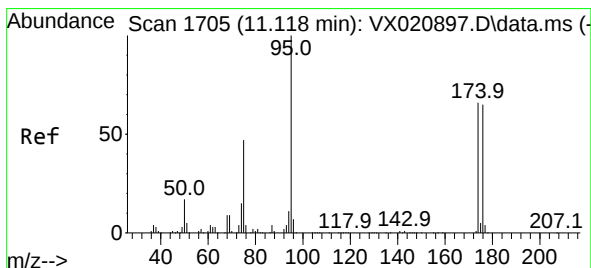
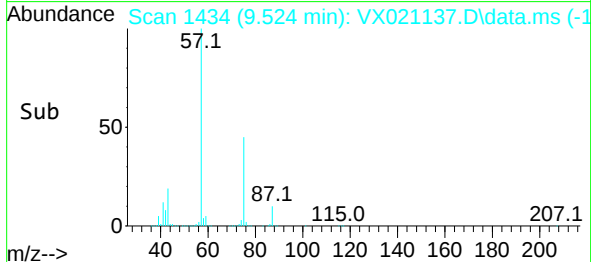
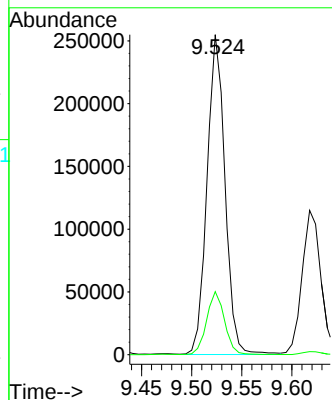
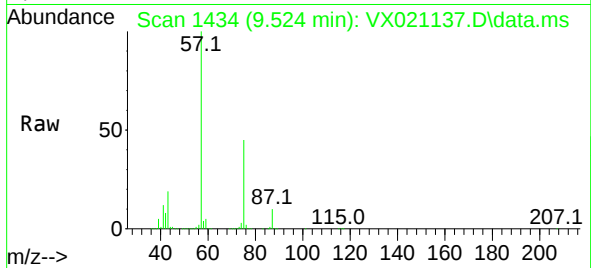




#59
2-Hexanone
Concen: 126.28 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

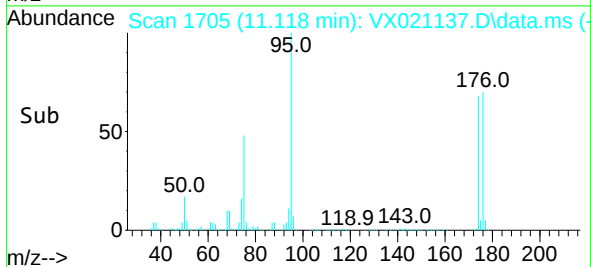
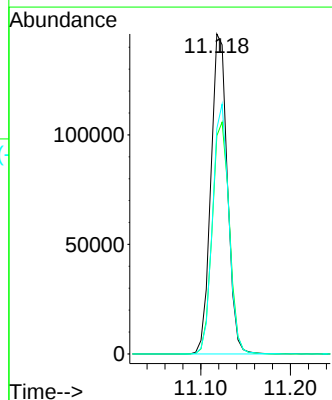
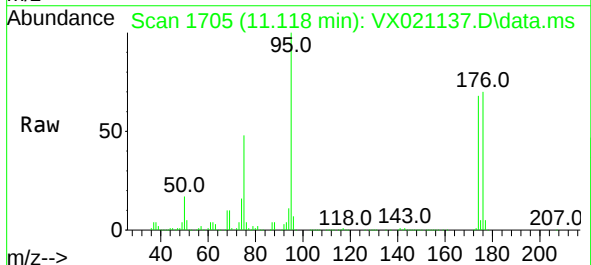
Instrument :
MSVOA_X
ClientSampled :

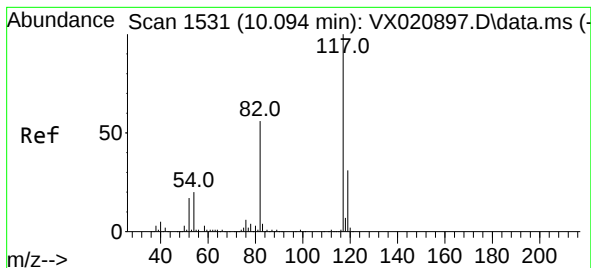
Tgt Ion: 43 Resp: 318601
Ion Ratio Lower Upper
43 100
58 19.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 56.76 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 95 Resp: 186690
Ion Ratio Lower Upper
95 100
174 75.3 0.0 154.6
176 76.7 0.0 155.8

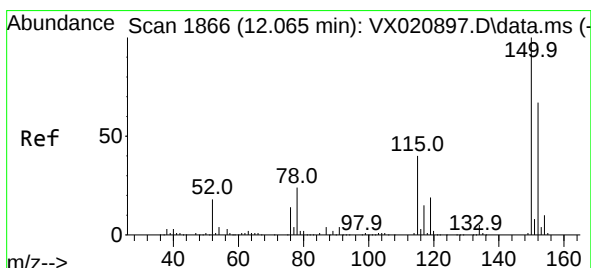
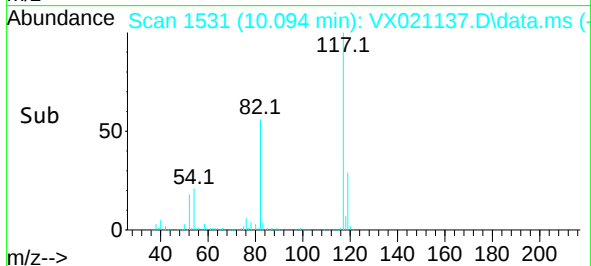
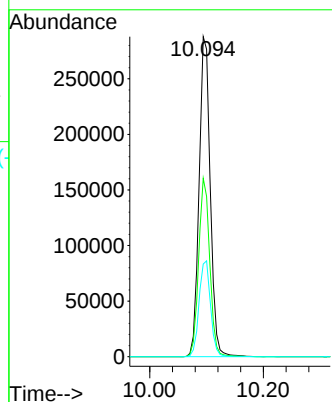
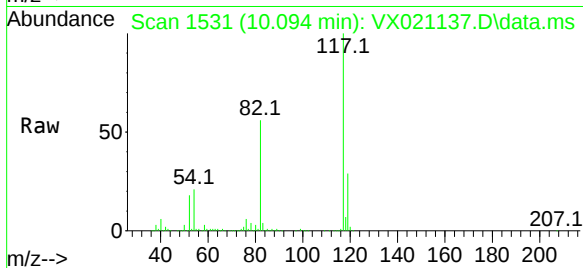




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

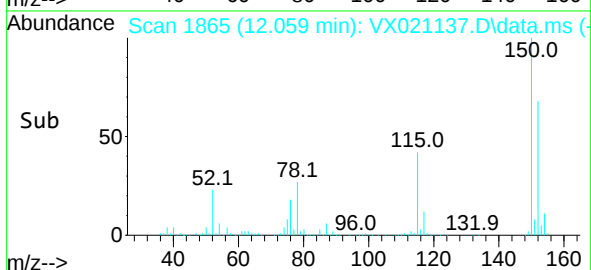
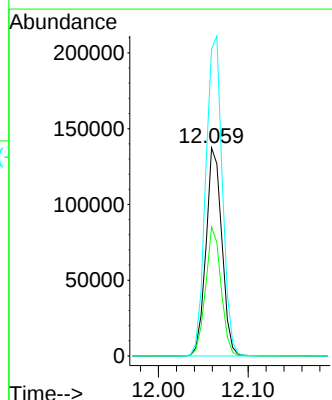
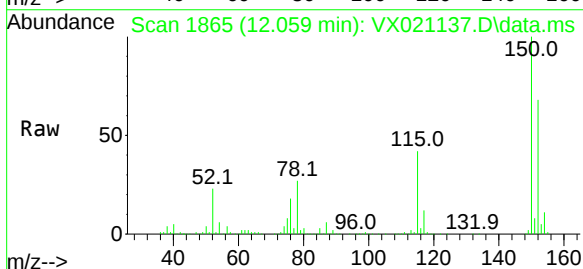
Instrument :
MSVOA_X
ClientSampled :

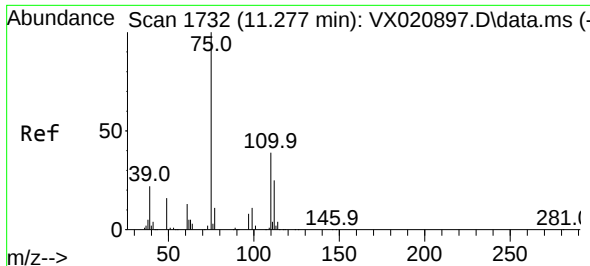
Tgt Ion:117 Resp: 394181
Ion Ratio Lower Upper
117 100
82 55.8 47.4 71.2
119 29.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion:152 Resp: 168617
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 160.3 0.0 349.0

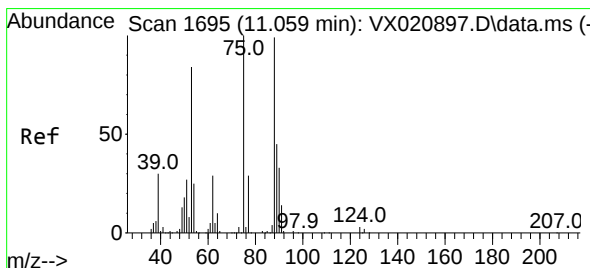
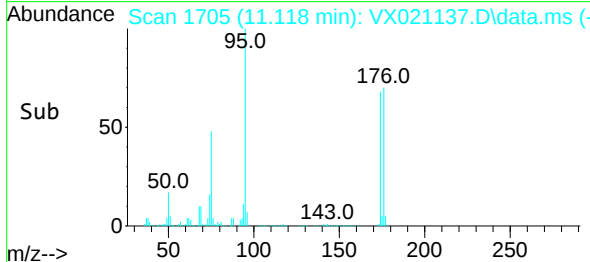
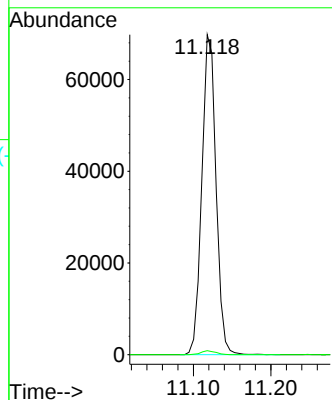
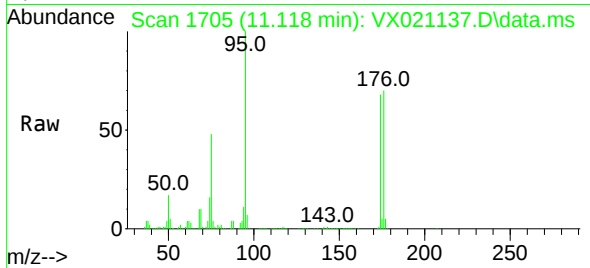




#76
1,2,3-Trichloropropane
Concen: 24.42 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 88583
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.07 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021137.D
Acq: 10 Mar 2021 15:18

Tgt Ion: 75 Resp: 88583
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

