

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021307.D
 Acq On : 19 Mar 2021 17:13
 Operator : JC/MD
 Sample : M1734-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 06:34:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

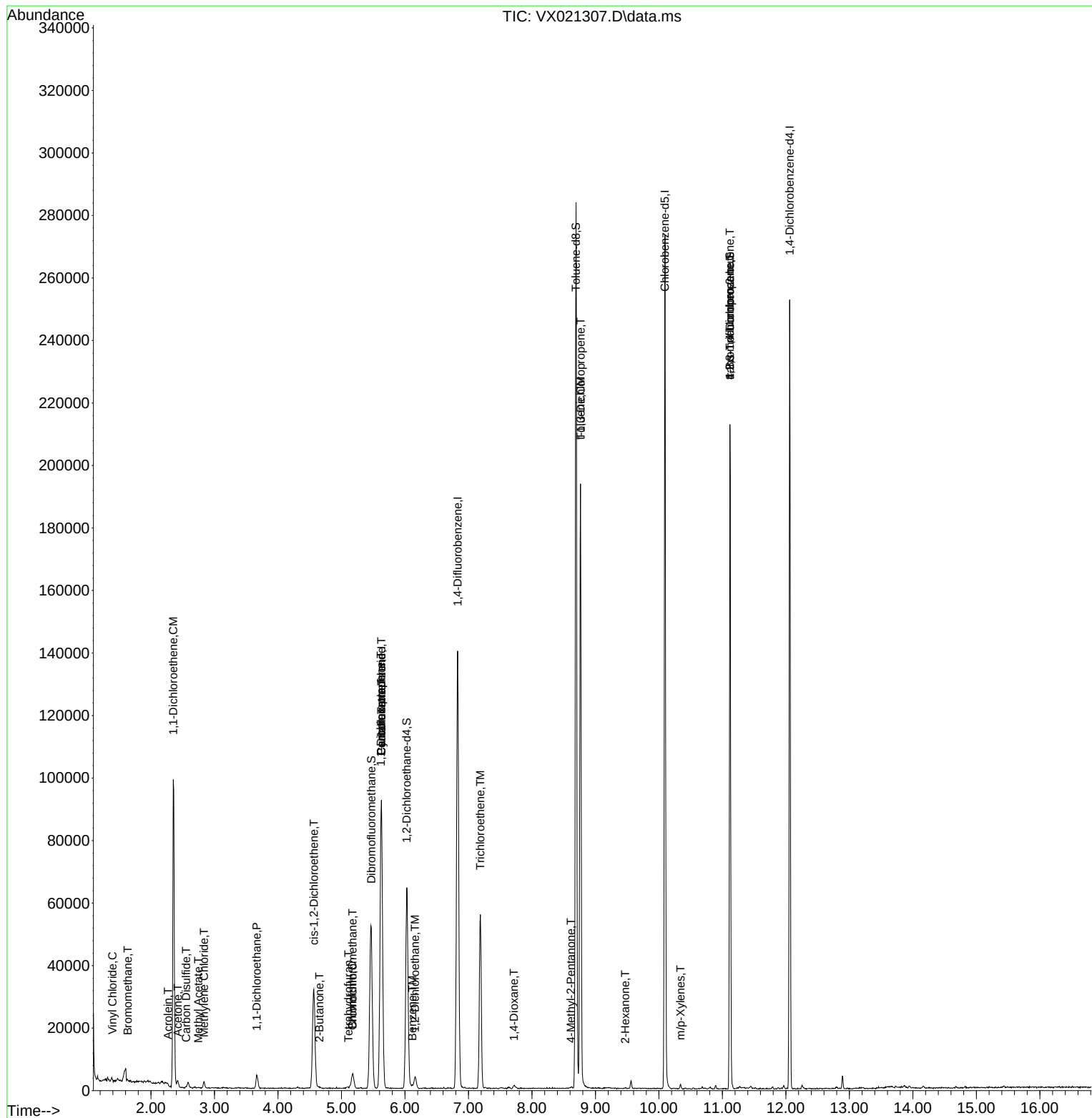
Internal Standards						
1) Pentafluorobenzene	5.629	168	78349	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.829	114	128839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44235	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	61884	48.16	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.32%
35) Dibromofluoromethane	5.470	113	43567	49.69	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.38%
50) Toluene-d8	8.694	98	155214	48.79	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.58%
62) 4-Bromofluorobenzene	11.118	95	54471	44.09	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.18%
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1327	Below Cal		96
4) Vinyl Chloride	1.393	62	210	0.22 ug/l		92
5) Bromomethane	1.634	94	113	0.27 ug/l		89
12) 1,1-Dichloroethene	2.352	96	30164	37.76 ug/l		86
13) Acrolein	2.270	56	39	3.42 ug/l	#	1
16) Acetone	2.423	43	2609	5.52 ug/l		90
17) Carbon Disulfide	2.552	76	259	0.65 ug/l	#	75
18) Methyl Acetate	2.746	43	300	0.23 ug/l	#	47
20) Methylene Chloride	2.835	84	772	0.79 ug/l	#	70
24) 1,1-Dichloroethane	3.664	63	4528	2.65 ug/l		98
25) 2-Butanone	4.652	43	748	1.03 ug/l		96
27) cis-1,2-Dichloroethene	4.564	96	18944	18.49 ug/l		98
28) Bromochloromethane	5.176	49	530	0.66 ug/l	#	9
29) Tetrahydrofuran	5.111	42	364	0.76 ug/l	#	49
30) Chloroform	5.170	83	5320	2.99 ug/l		99
31) Cyclohexane	5.629	56	2216	1.43 ug/l	#	43
36) 1,1-Dichloropropene	5.623	75	7304	5.63 ug/l	#	50
38) Carbon Tetrachloride	5.629	117	8977	6.66 ug/l	#	16
40) Benzene	6.117	78	856	0.24 ug/l		91
42) 1,2-Dichloroethane	6.159	62	3776	2.45 ug/l		94
44) Trichloroethene	7.188	130	19416	20.43 ug/l		93
49) 1,4-Dioxane	7.718	88	649	18.13 ug/l	#	74
51) 4-Methyl-2-Pentanone	8.612	43	489	0.34 ug/l	#	75
52) Toluene	8.765	92	68541	30.98 ug/l		97
53) t-1,3-Dichloropropene	8.765	75	1006	0.67 ug/l	#	1
59) 2-Hexanone	9.471	43	281	0.26 ug/l	#	37
68) m/p-Xylenes	10.341	106	326	0.22 ug/l		91
76) 1,2,3-Trichloropropane	11.118	75	30651	29.87 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.118	75	30651	81.10 ug/l	#	12

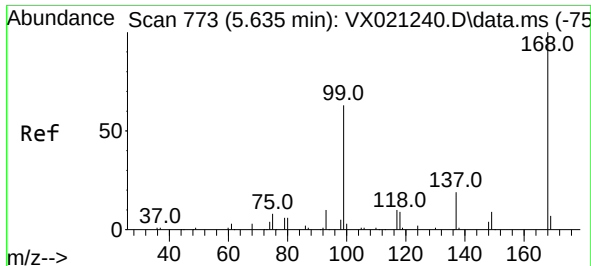
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

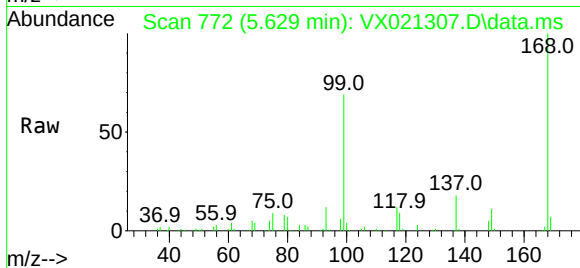
Quant Time: Mar 20 06:34:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
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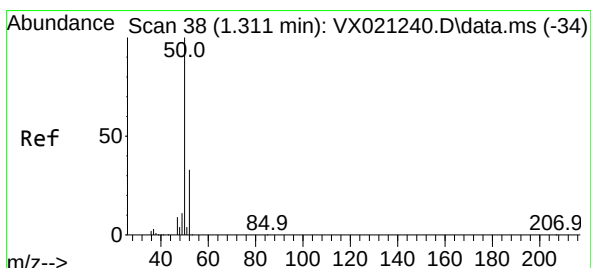
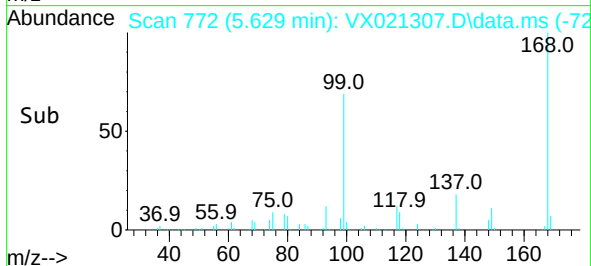
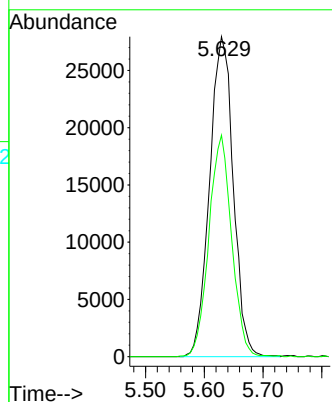


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Instrument :
MSVOA_X
ClientSampleId :

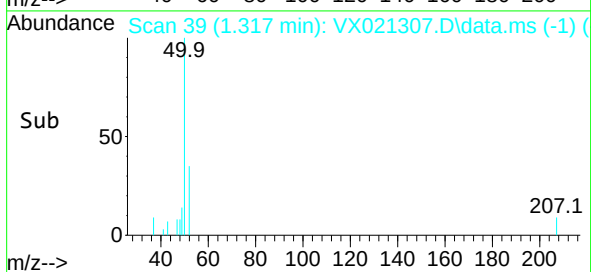
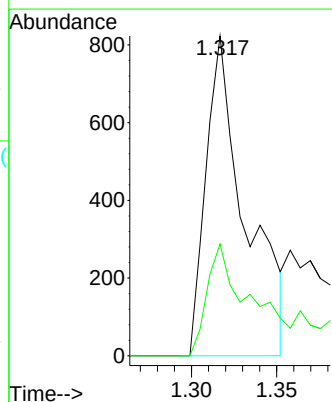
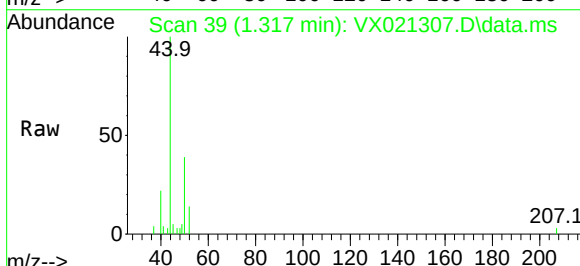


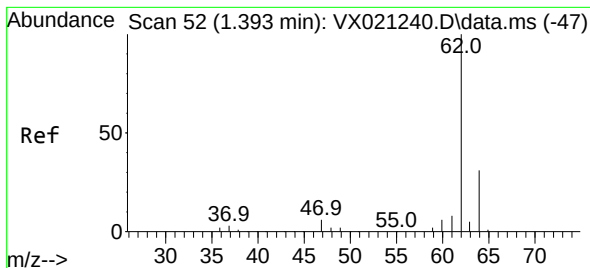
Tgt Ion:168 Resp: 78349
Ion Ratio Lower Upper
168 100
99 69.0 45.8 68.6#



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 50 Resp: 1327
Ion Ratio Lower Upper
50 100
52 35.0 26.4 39.6

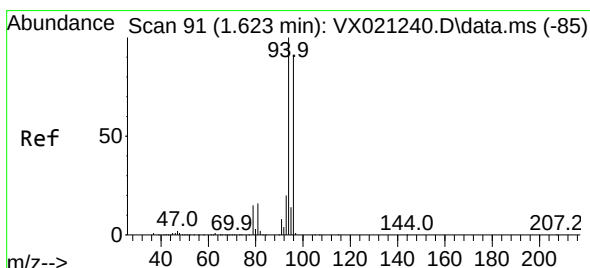
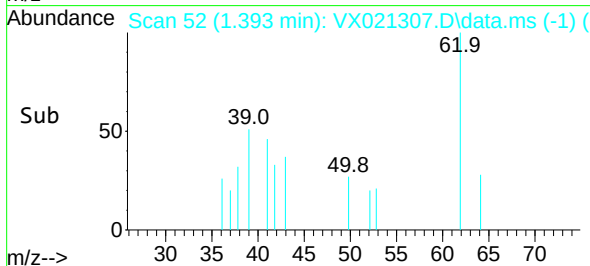
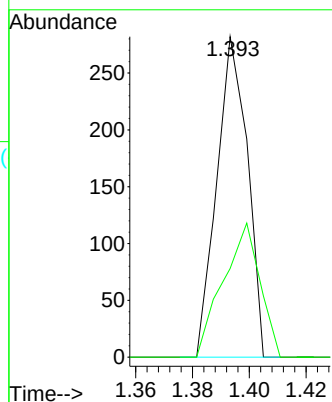
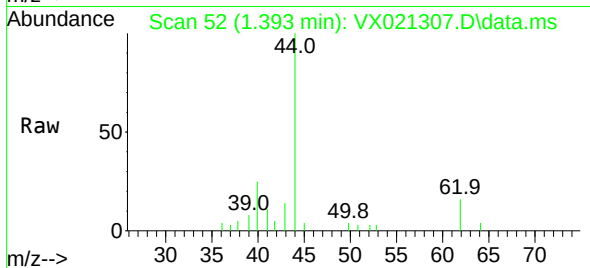




#4
 Vinyl Chloride
 Concen: 0.22 ug/l
 RT: 1.393 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: VX021307.D
 Acq: 19 Mar 2021 17:13

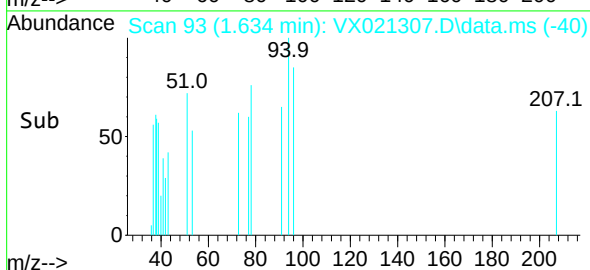
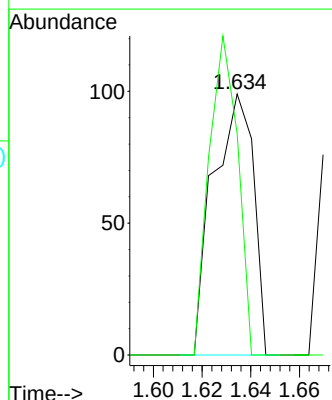
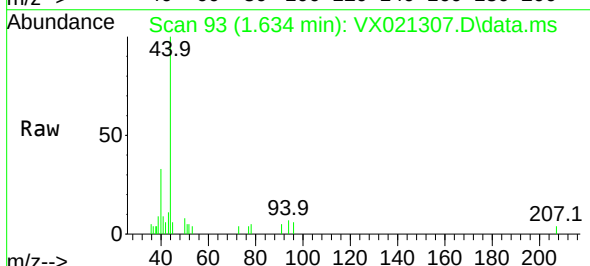
Instrument :
 MSVOA_X
 ClientSampled :

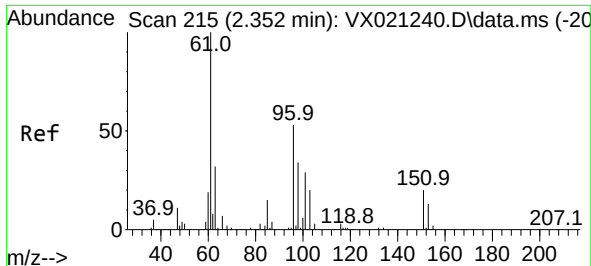
Tgt Ion: 62 Resp: 210
 Ion Ratio Lower Upper
 62 100
 64 27.7 25.7 38.5



#5
 Bromomethane
 Concen: 0.27 ug/l
 RT: 1.634 min Scan# 93
 Delta R.T. 0.011 min
 Lab File: VX021307.D
 Acq: 19 Mar 2021 17:13

Tgt Ion: 94 Resp: 113
 Ion Ratio Lower Upper
 94 100
 96 84.8 76.4 114.6

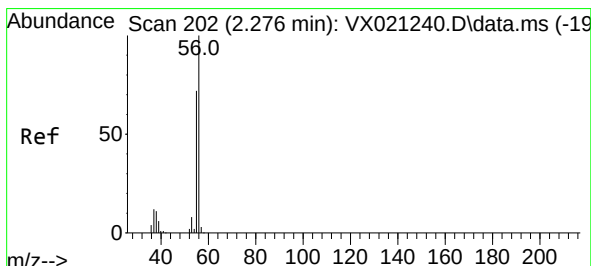
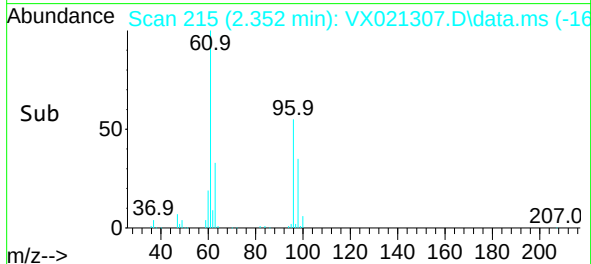
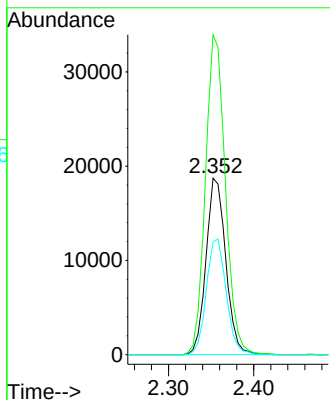
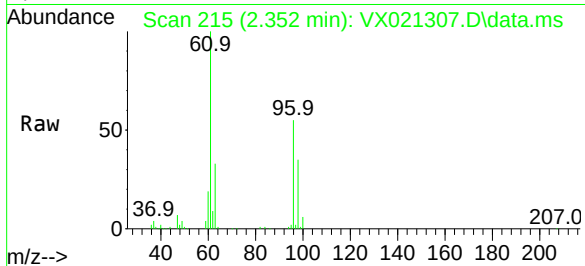




#12
1,1-Dichloroethene
Concen: 37.76 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

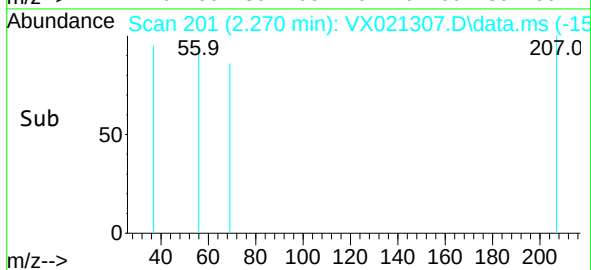
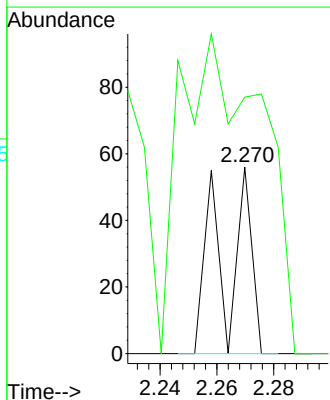
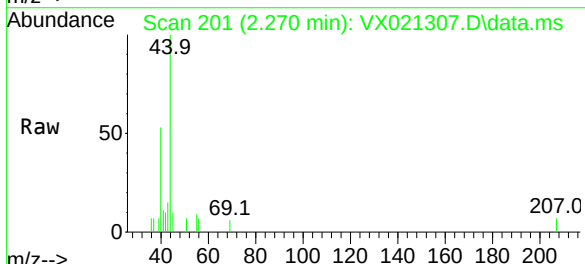
Instrument :
MSVOA_X
ClientSampleId :

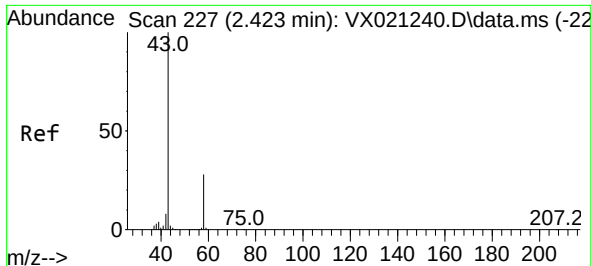
Tgt Ion: 96 Resp: 30164
Ion Ratio Lower Upper
96 100
61 181.3 124.6 187.0
98 63.8 50.6 76.0



#13
Acrolein
Concen: 3.42 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 487.2 56.4 84.6#

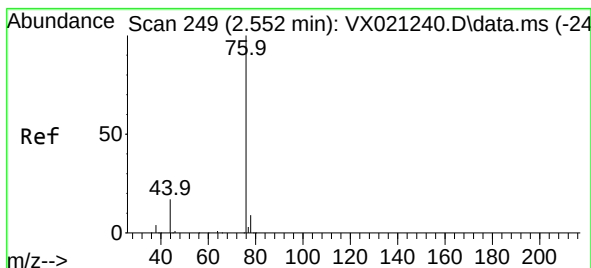
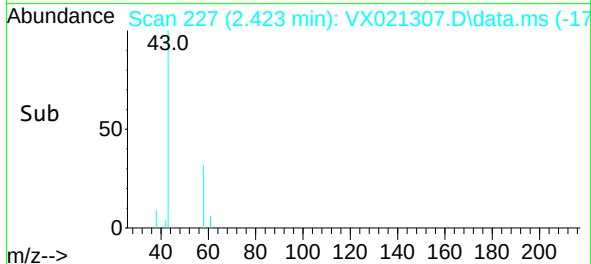
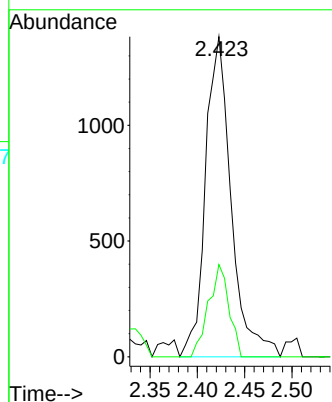
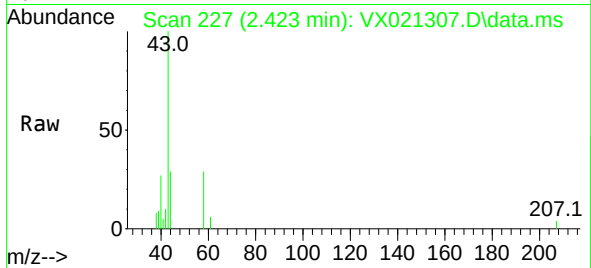




#16
Acetone
Concen: 5.52 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

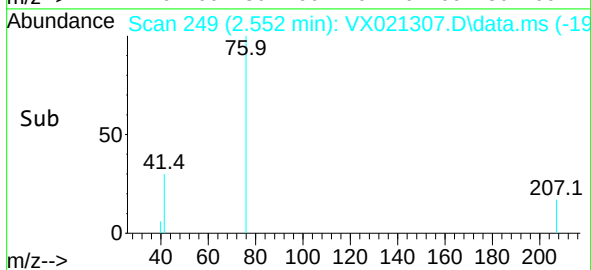
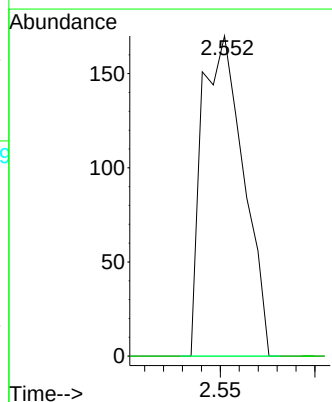
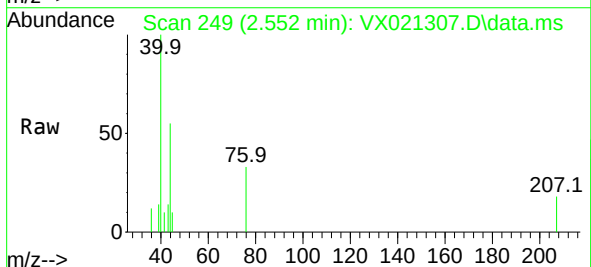
Instrument :
MSVOA_X
ClientSampled :

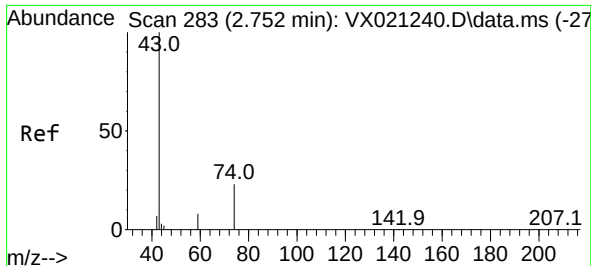
Tgt Ion: 43 Resp: 2609
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.65 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 76 Resp: 259
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

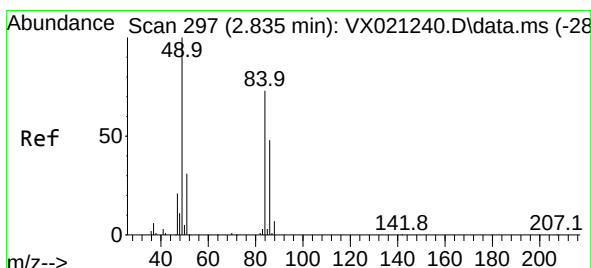
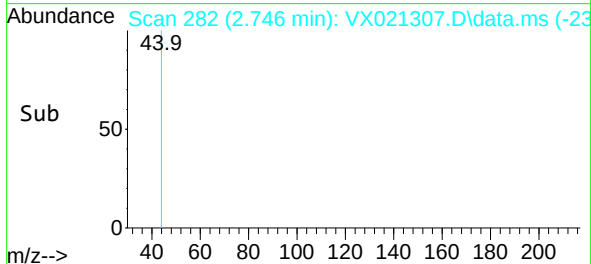
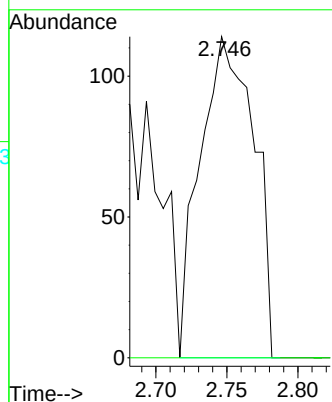
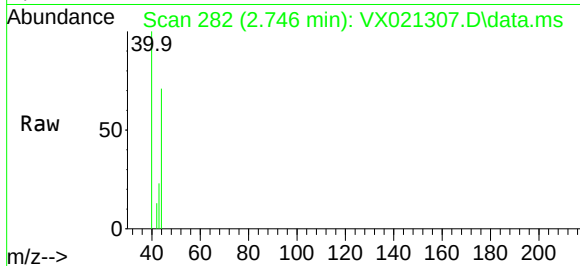




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

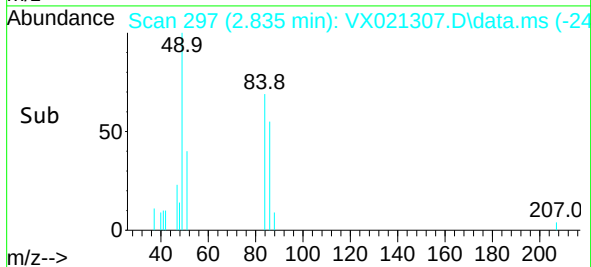
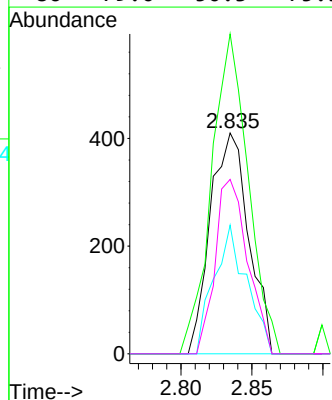
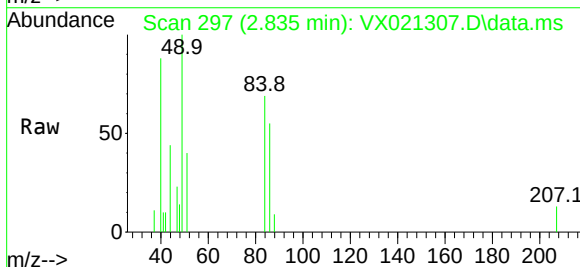
Instrument :
MSVOA_X
ClientSampled :

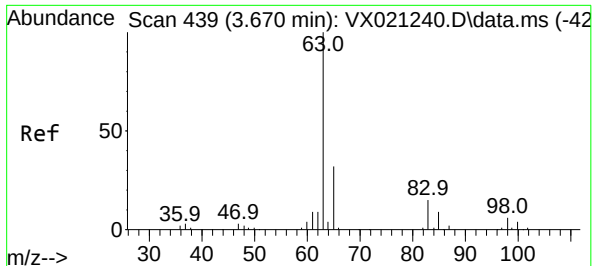
Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.79 ug/l
RT: 2.835 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 84 Resp: 772
Ion Ratio Lower Upper
84 100
49 144.9 88.6 132.8#
51 58.3 27.0 40.6#
86 79.0 50.3 75.5#

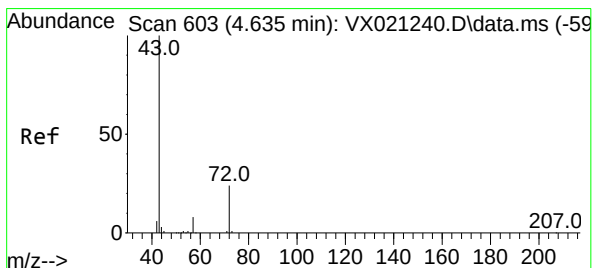
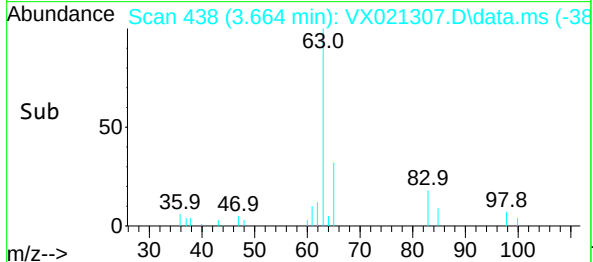
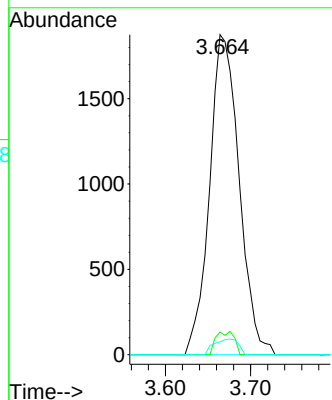
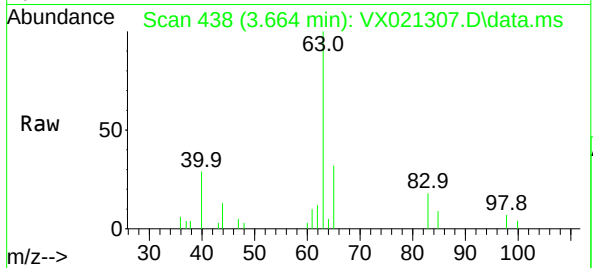




#24
1,1-Dichloroethane
Concen: 2.65 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

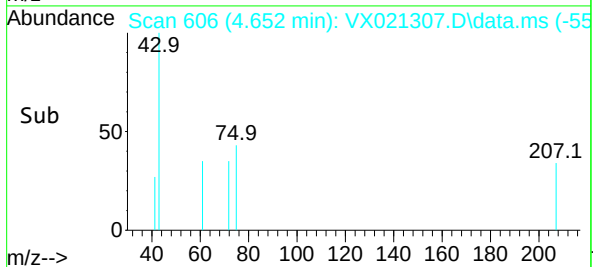
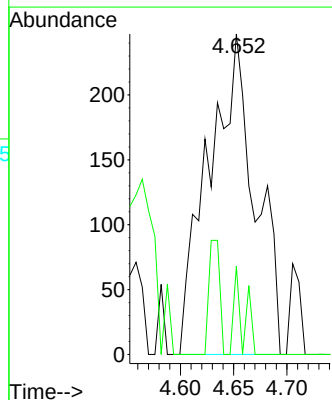
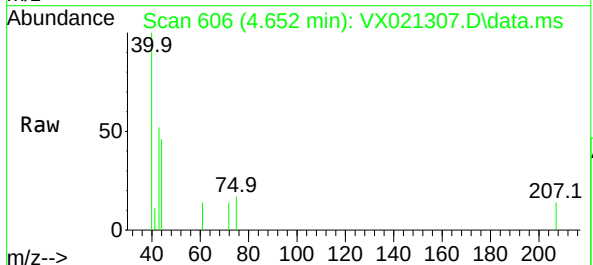
Instrument :
MSVOA_X
ClientSampleId :

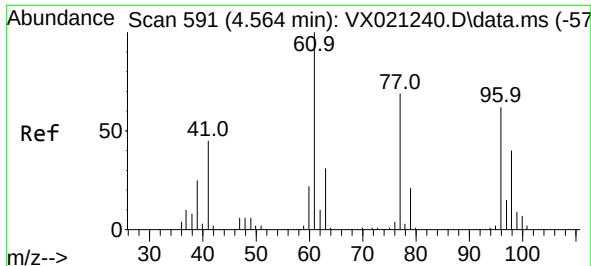
Tgt Ion: 63 Resp: 4528
Ion Ratio Lower Upper
63 100
98 7.0 3.8 11.2
100 4.0 2.5 7.5



#25
2-Butanone
Concen: 1.03 ug/l
RT: 4.652 min Scan# 606
Delta R.T. 0.017 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
72 27.5 23.7 35.5





#27

cis-1,2-Dichloroethene

Concen: 18.49 ug/l

RT: 4.564 min Scan# 591

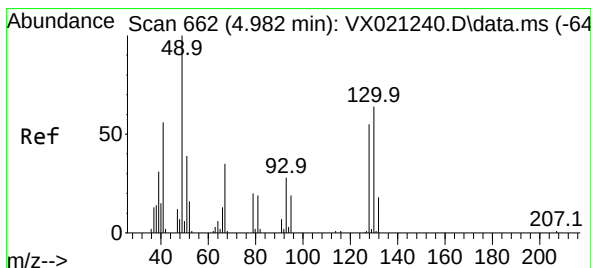
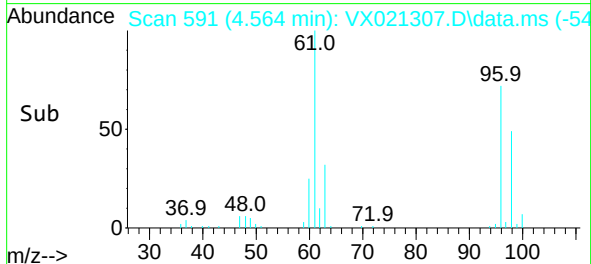
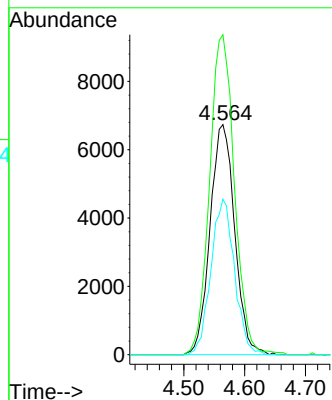
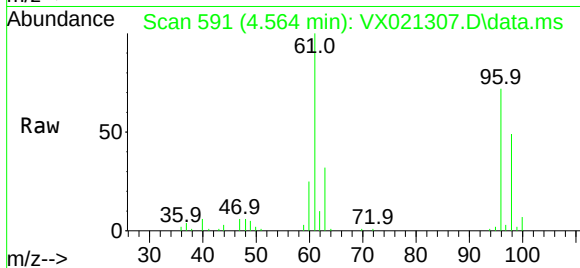
Delta R.T. 0.000 min

Lab File: VX021307.D

Acq: 19 Mar 2021 17:13

Tgt Ion: 96 Resp: 18944

Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	285.6
98	64.7	0.0	129.6



#28

Bromochloromethane

Concen: 0.66 ug/l

RT: 5.176 min Scan# 695

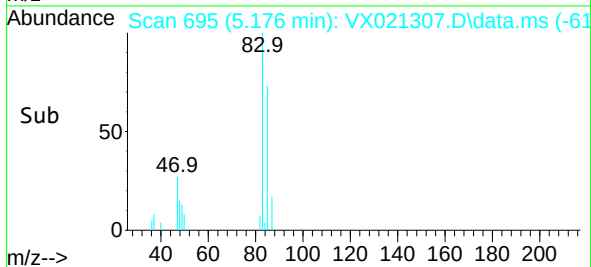
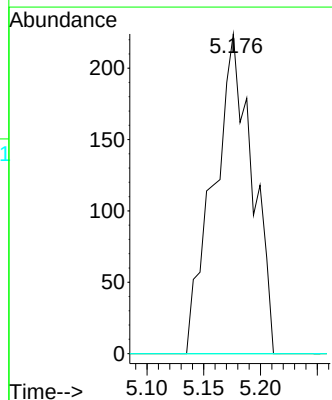
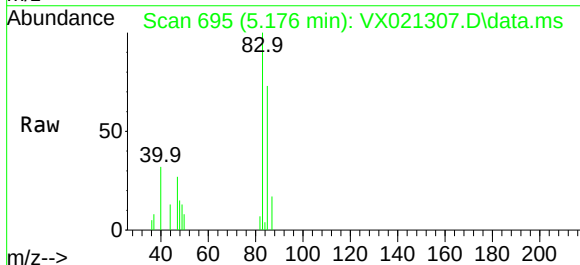
Delta R.T. 0.194 min

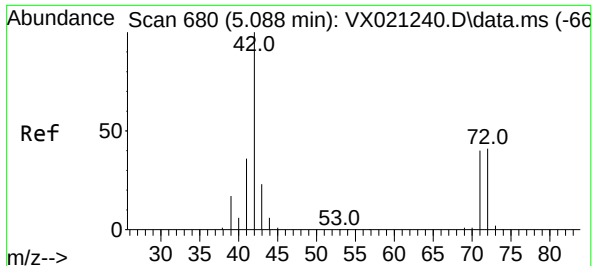
Lab File: VX021307.D

Acq: 19 Mar 2021 17:13

Tgt Ion: 49 Resp: 530

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#29

Tetrahydrofuran

Concen: 0.76 ug/l

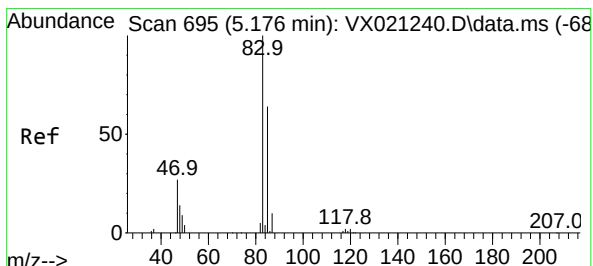
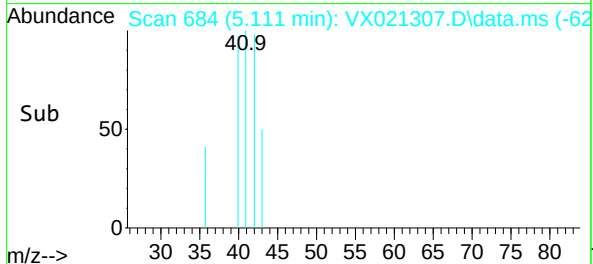
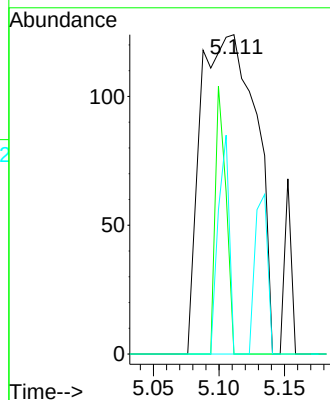
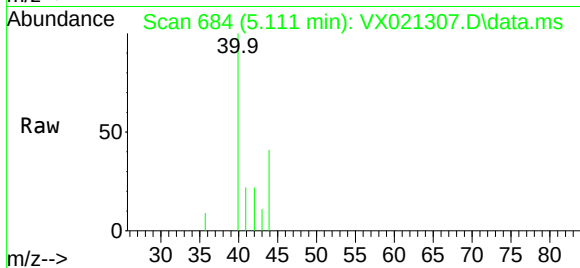
RT: 5.111 min Scan# 684

Delta R.T. 0.023 min

Lab File: VX021307.D

Acq: 19 Mar 2021 17:13

Tgt Ion:	42	Resp:	364
Ion	Ratio	Lower	Upper
42	100		
72	16.2	41.7	62.5#
71	13.7	38.4	57.6#



#30

Chloroform

Concen: 2.99 ug/l

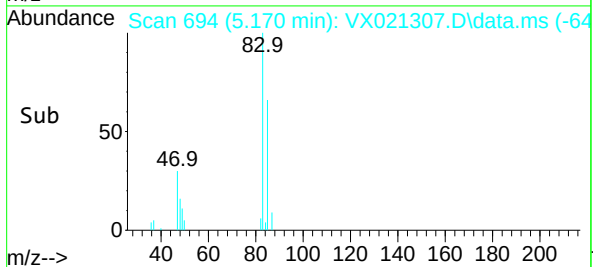
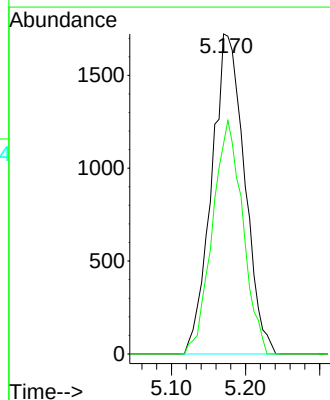
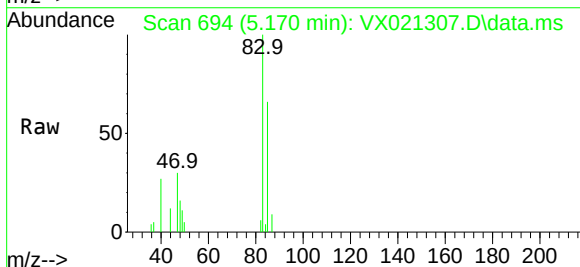
RT: 5.170 min Scan# 694

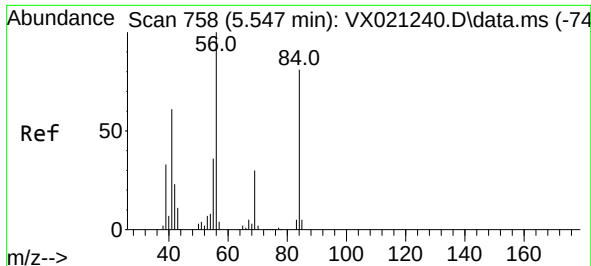
Delta R.T. -0.006 min

Lab File: VX021307.D

Acq: 19 Mar 2021 17:13

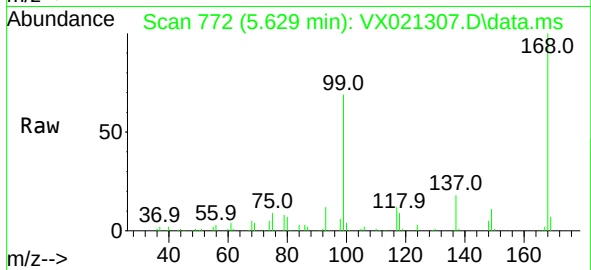
Tgt Ion:	83	Resp:	5320
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.0	78.0



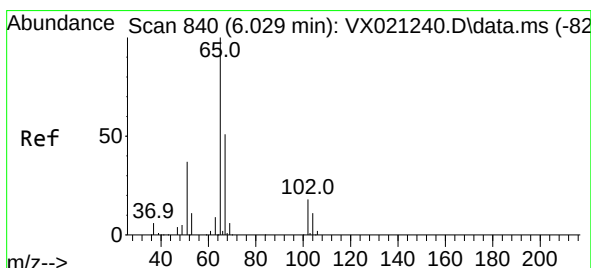
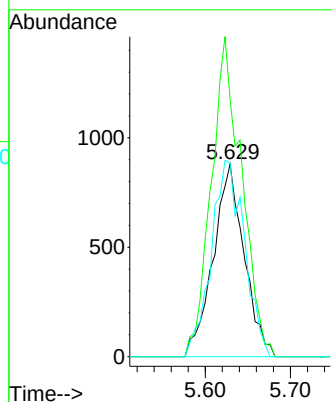
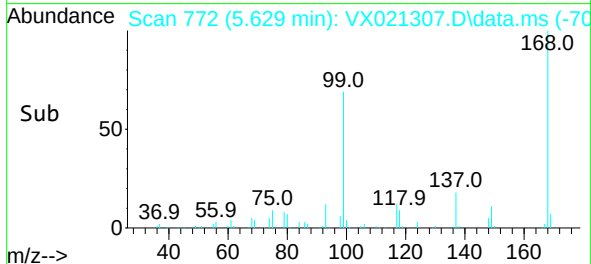


#31
Cyclohexane
Concen: 1.43 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

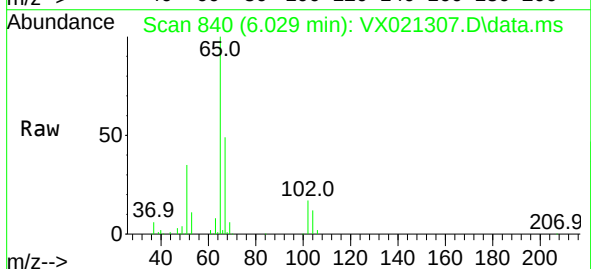
Instrument :
MSVOA_X
ClientSampleId :



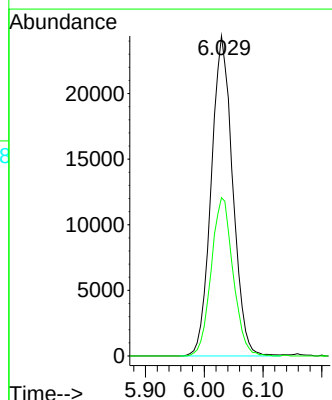
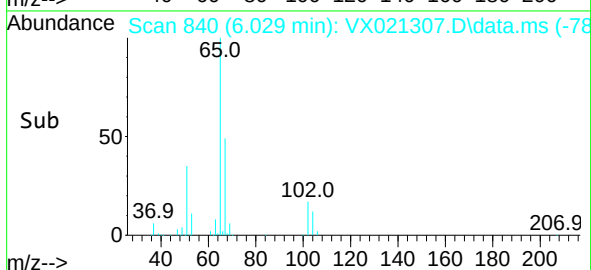
Tgt Ion: 56 Resp: 2216
Ion Ratio Lower Upper
56 100
69 133.8 25.3 37.9#
84 100.8 71.4 107.0

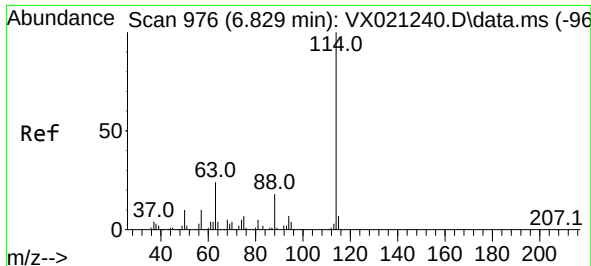


#33
1,2-Dichloroethane-d4
Concen: 48.16 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13



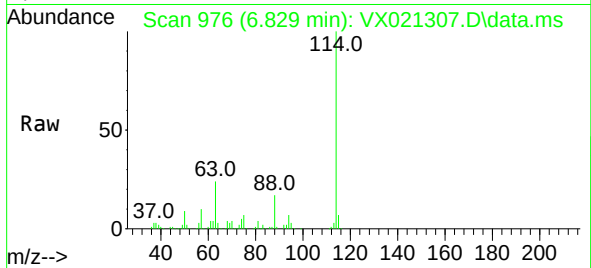
Tgt Ion: 65 Resp: 61884
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4



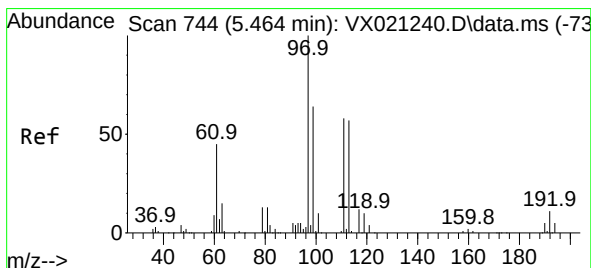
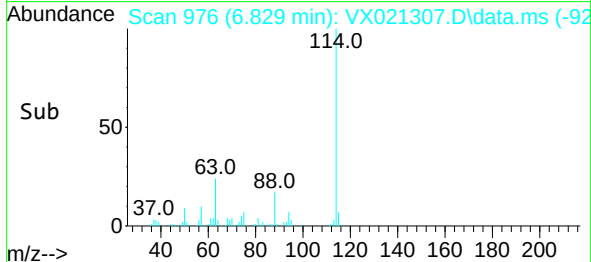
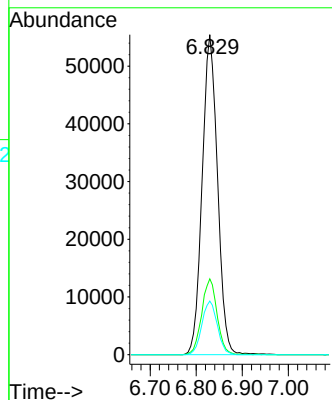


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Instrument :
MSVOA_X
ClientSampled :

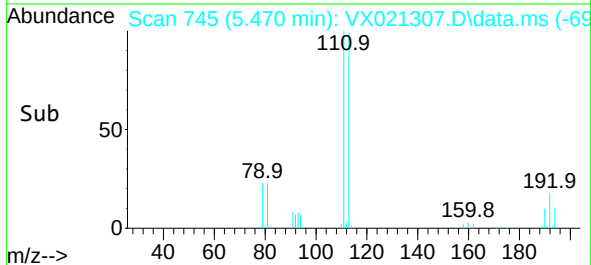
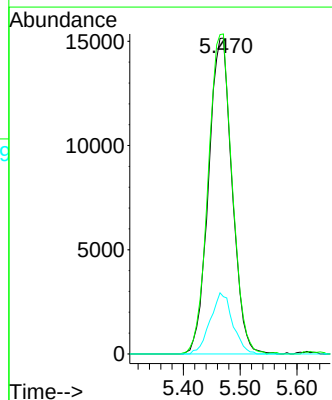
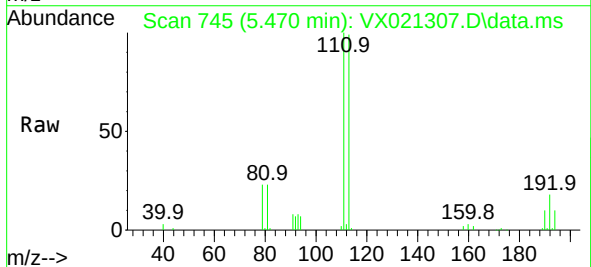


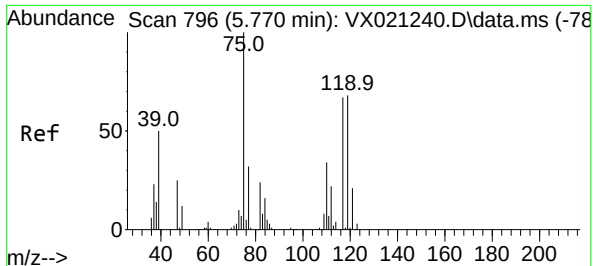
Tgt Ion:114 Resp: 128839
Ion Ratio Lower Upper
114 100
63 23.7 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.69 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

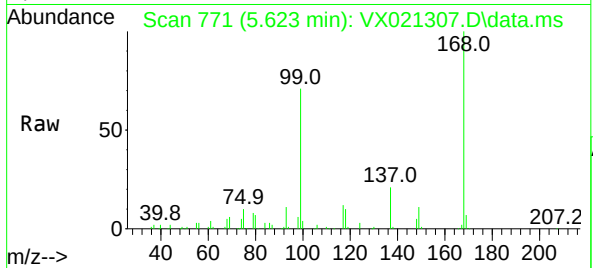
Tgt Ion:113 Resp: 43567
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 18.4 16.7 25.1



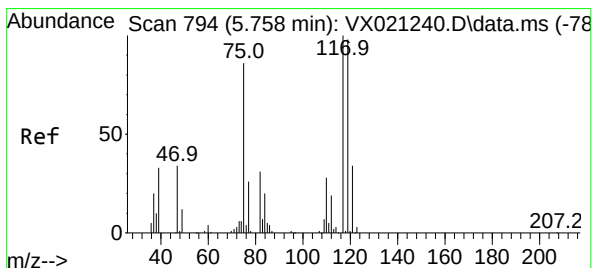
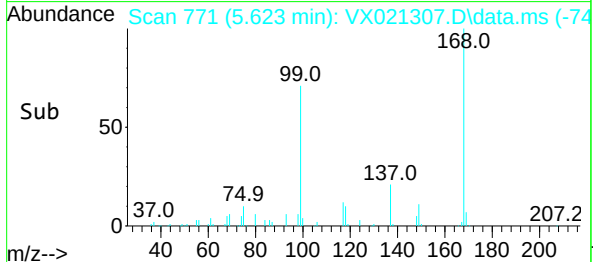
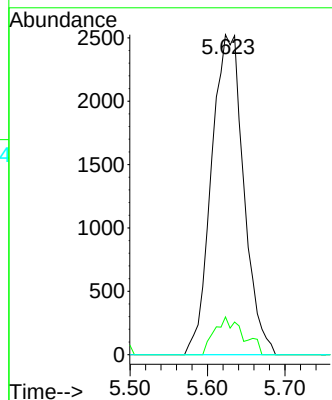


#36
1,1-Dichloropropene
Concen: 5.63 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Instrument :
MSVOA_X
ClientSampled :

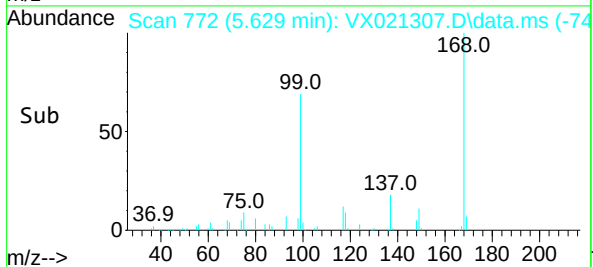
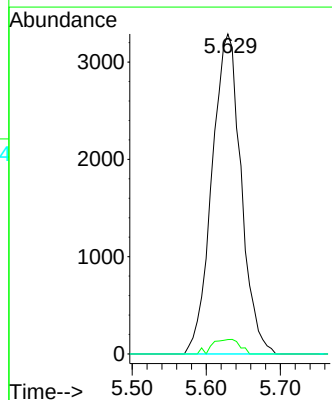
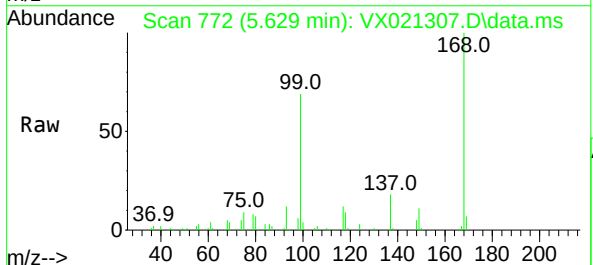


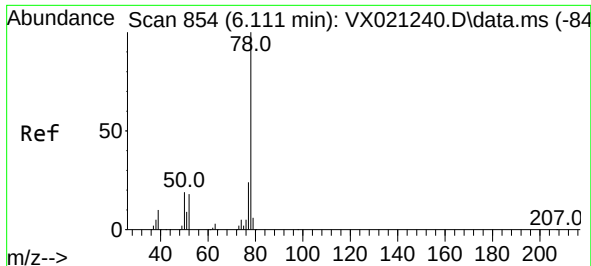
Tgt Ion: 75 Resp: 7304
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.66 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 117 Resp: 8977
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

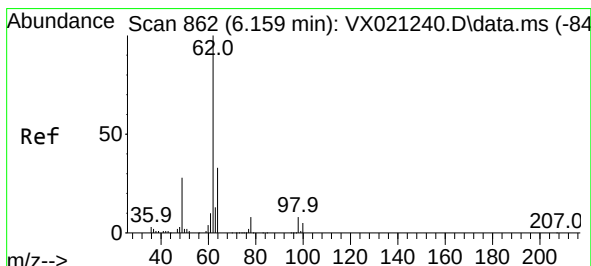
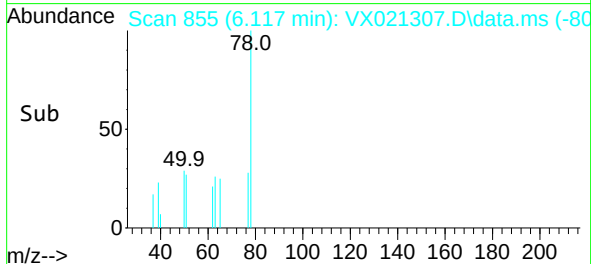
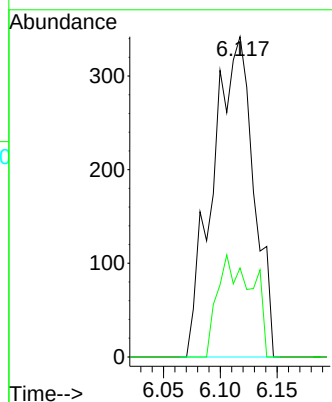
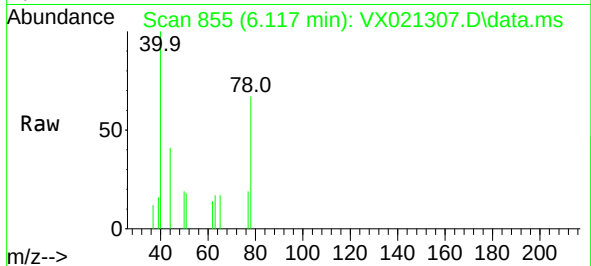




#40
Benzene
Concen: 0.24 ug/l
RT: 6.117 min Scan# 855
Delta R.T. 0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

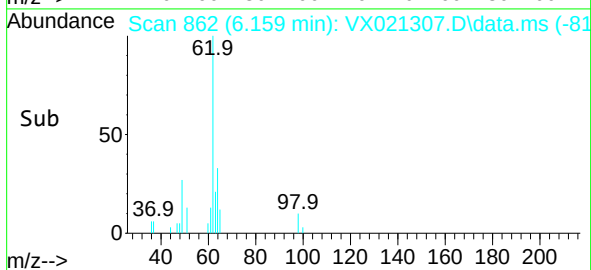
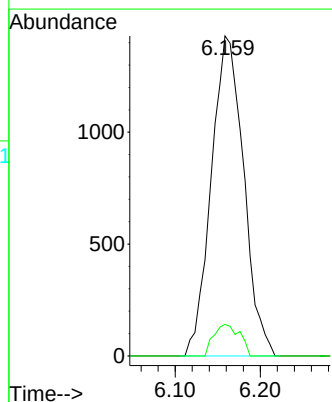
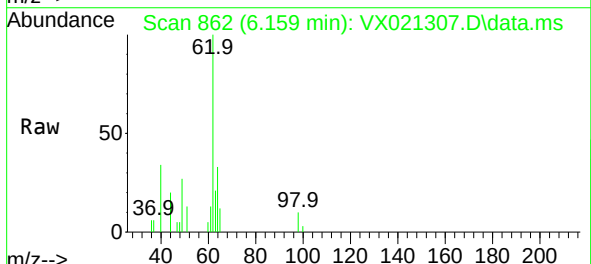
Instrument :
MSVOA_X
ClientSampled :

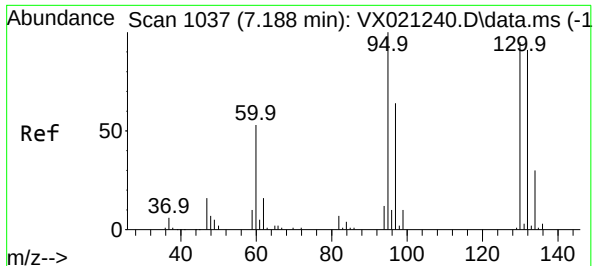
Tgt Ion: 78 Resp: 856
Ion Ratio Lower Upper
78 100
77 27.8 18.9 28.3



#42
1,2-Dichloroethane
Concen: 2.45 ug/l
RT: 6.159 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 62 Resp: 3776
Ion Ratio Lower Upper
62 100
98 7.9 0.0 20.2

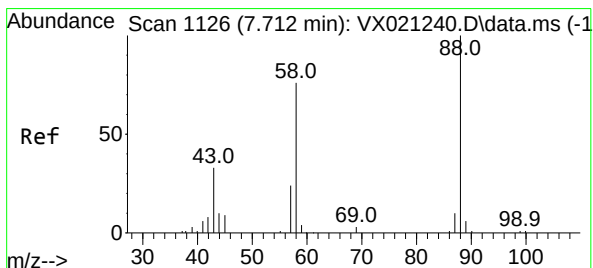
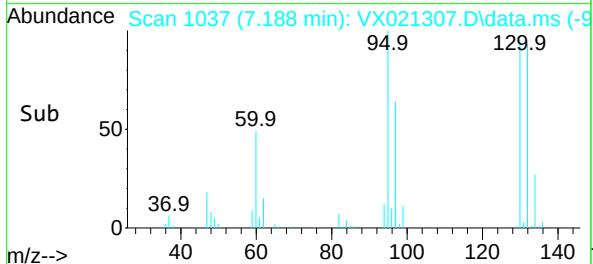
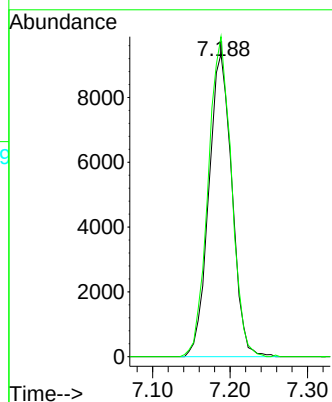
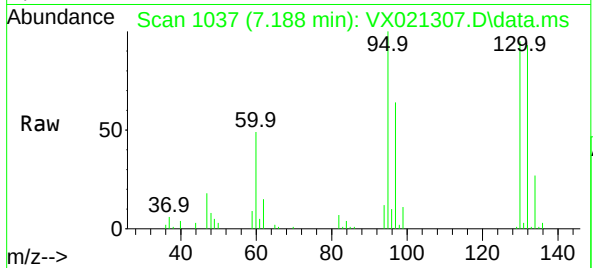




#44
Trichloroethene
Concen: 20.43 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

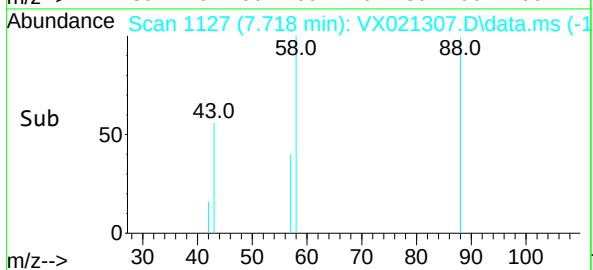
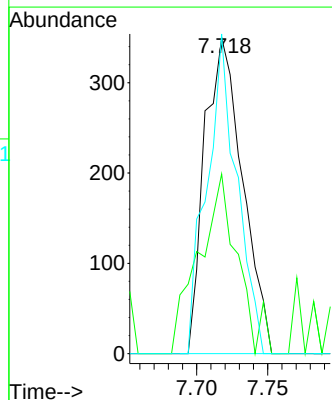
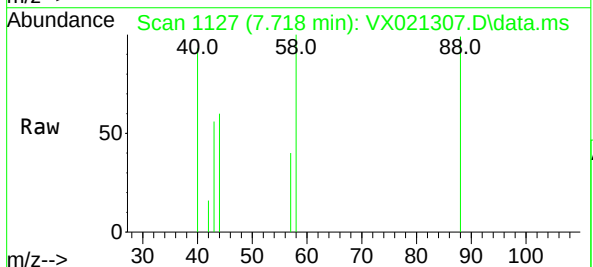
Instrument :
MSVOA_X
ClientSampled :

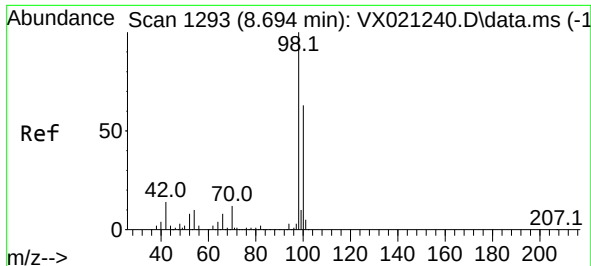
Tgt Ion:130 Resp: 19416
Ion Ratio Lower Upper
130 100
95 105.7 0.0 198.0



#49
1,4-Dioxane
Concen: 18.13 ug/l
RT: 7.718 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 88 Resp: 649
Ion Ratio Lower Upper
88 100
43 58.4 23.2 34.8#
58 80.3 55.0 82.4

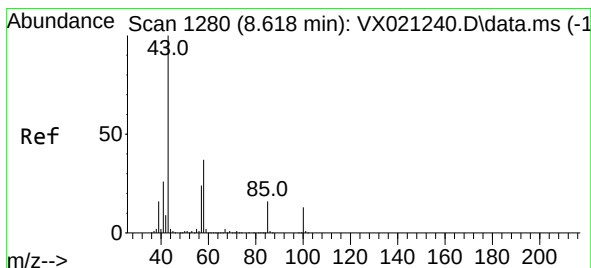
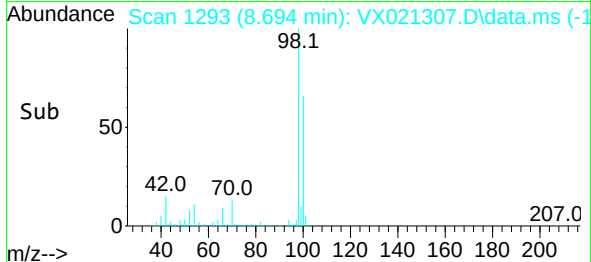
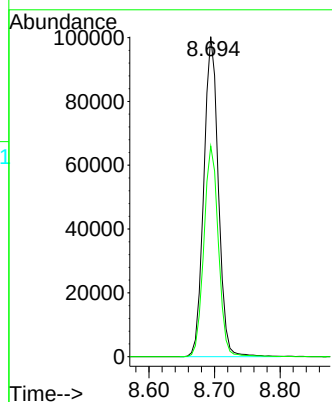
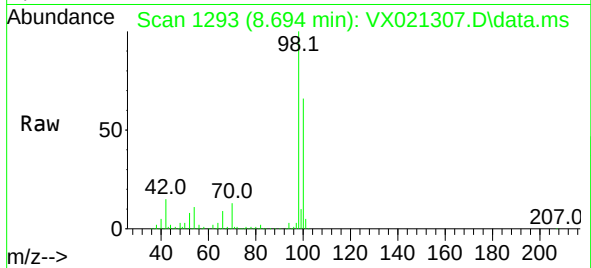




#50
Toluene-d8
Concen: 48.79 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

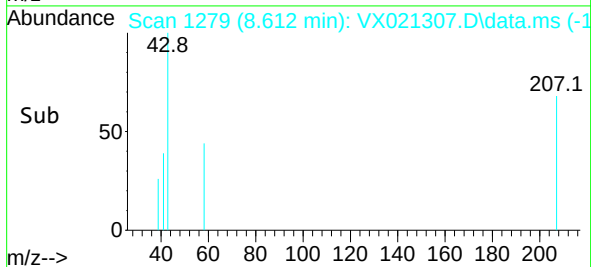
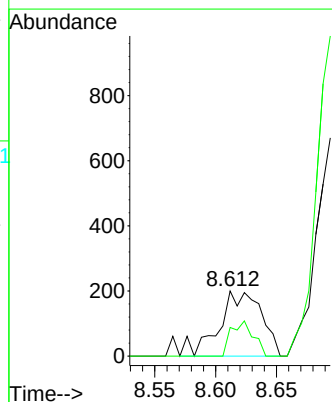
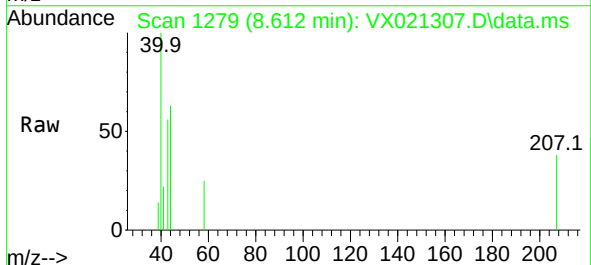
Instrument :
MSVOA_X
ClientSampled :

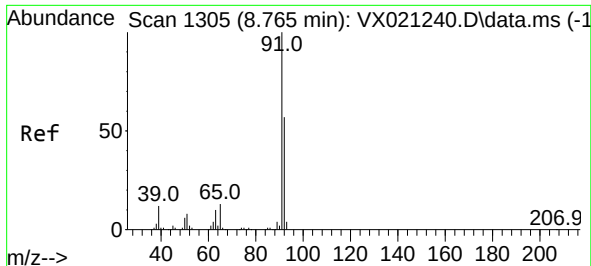
Tgt Ion: 98 Resp: 155214
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.34 ug/l
RT: 8.612 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
58 28.0 35.4 53.0#

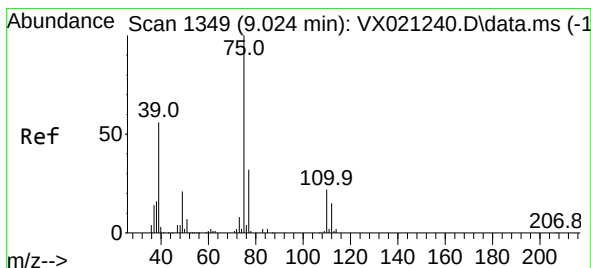
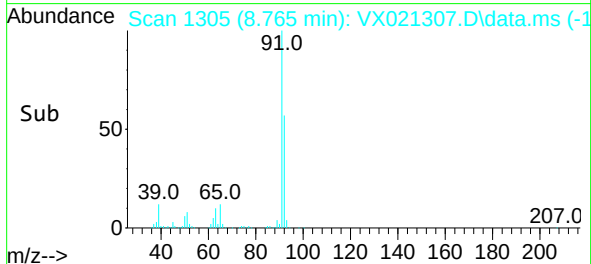
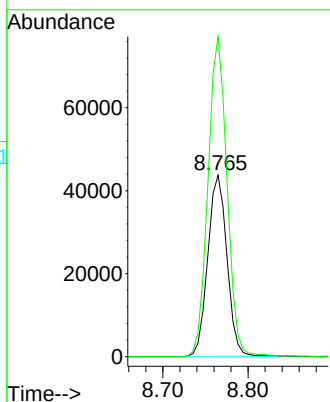
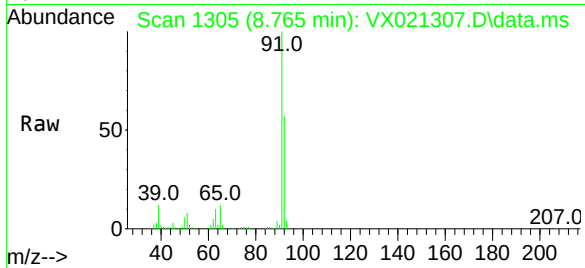




#52
Toluene
Concen: 30.98 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

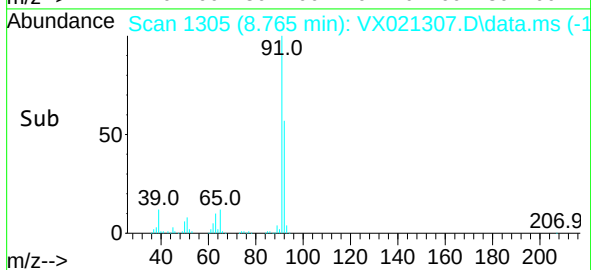
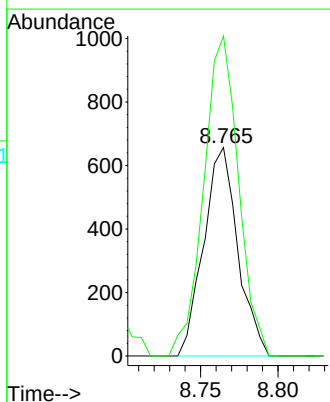
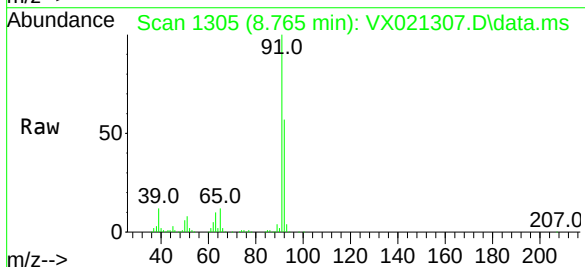
Instrument :
MSVOA_X
ClientSampled :

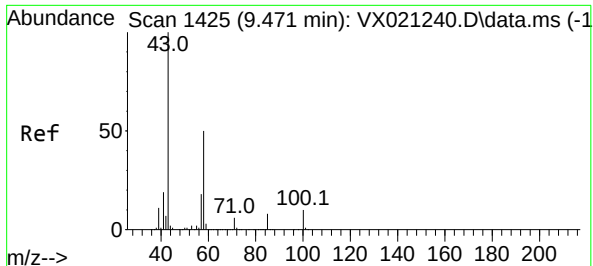
Tgt Ion: 92 Resp: 68541
Ion Ratio Lower Upper
92 100
91 175.4 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 0.67 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.259 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 75 Resp: 1006
Ion Ratio Lower Upper
75 100
77 153.4 24.9 37.3#

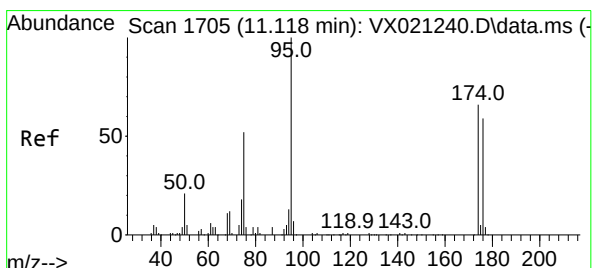
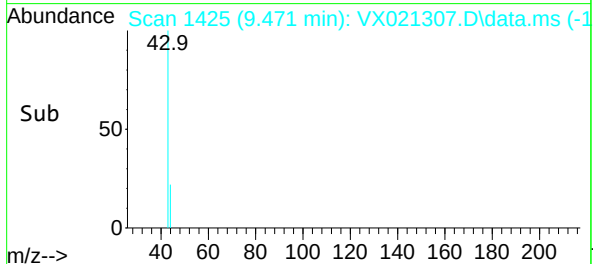
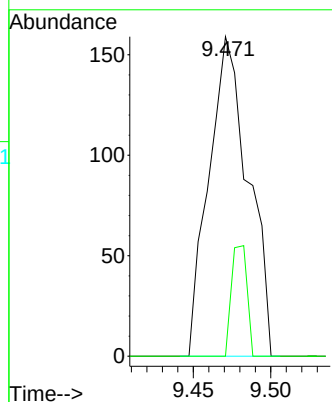
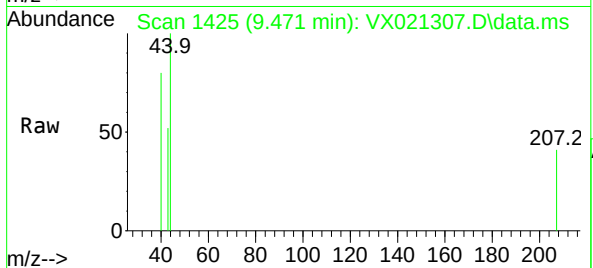




#59
2-Hexanone
Concen: 0.26 ug/l
RT: 9.471 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

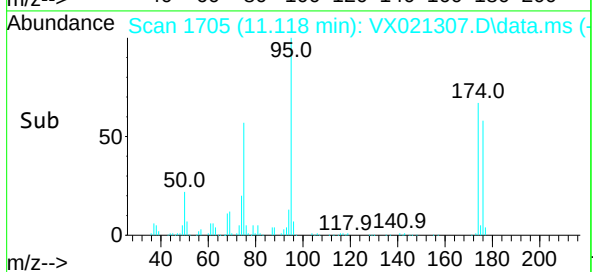
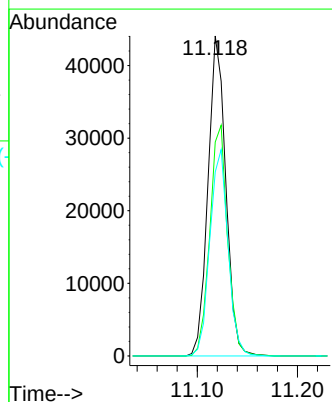
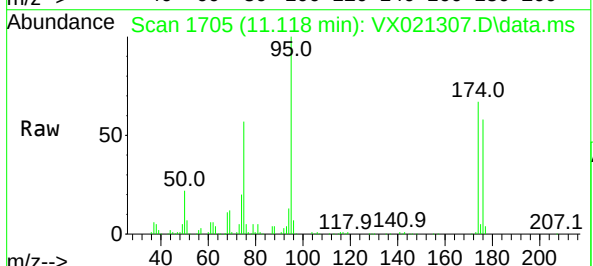
Instrument :
MSVOA_X
ClientSampled :

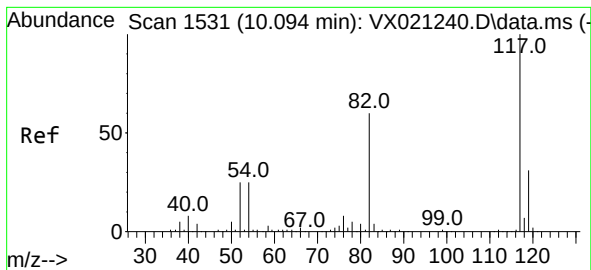
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
58 13.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 44.09 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion: 95 Resp: 54471
Ion Ratio Lower Upper
95 100
174 72.2 0.0 154.6
176 65.8 0.0 155.8

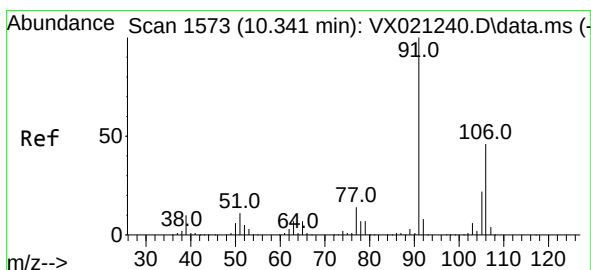
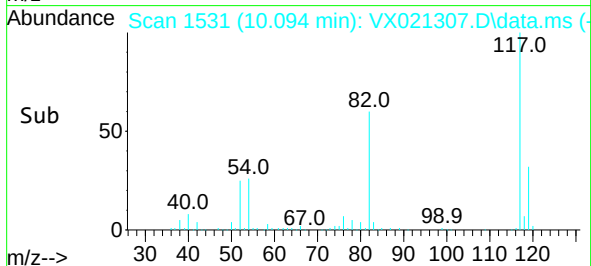
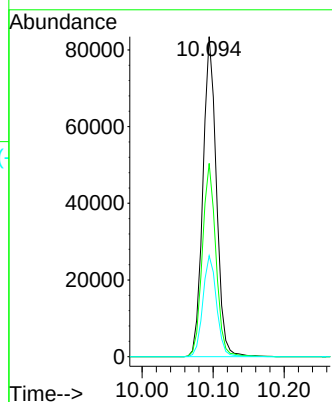
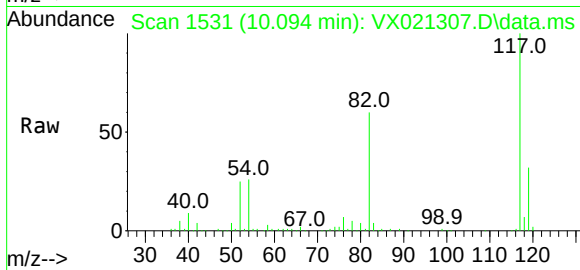




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

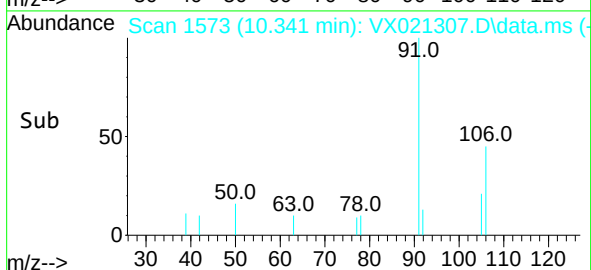
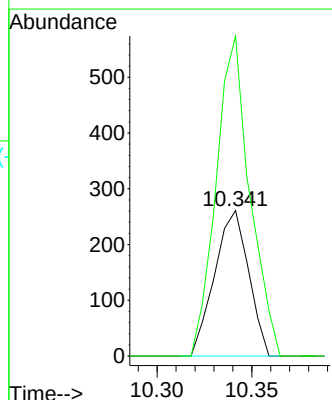
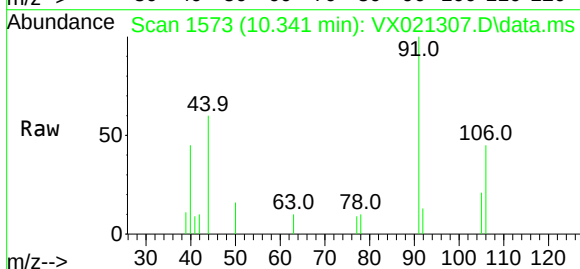
Instrument :
MSVOA_X
ClientSampleId :

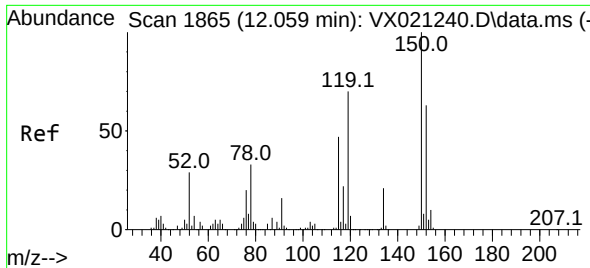
Tgt Ion:117 Resp: 110397
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.6 26.6 39.8



#68
m/p-Xylenes
Concen: 0.22 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021307.D
Acq: 19 Mar 2021 17:13

Tgt Ion:106 Resp: 326
Ion Ratio Lower Upper
106 100
91 217.8 162.8 244.2

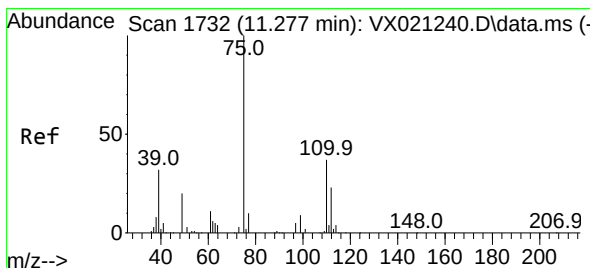
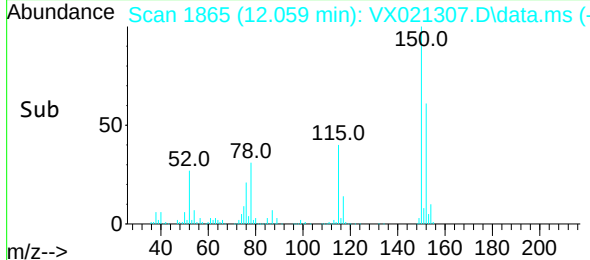
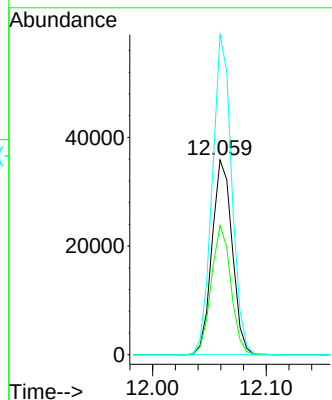
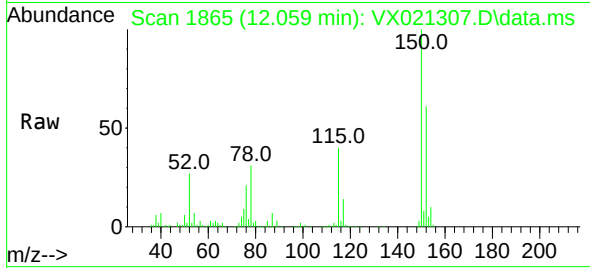




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021307.D
 Acq: 19 Mar 2021 17:13

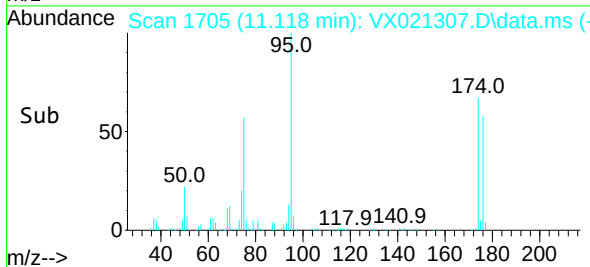
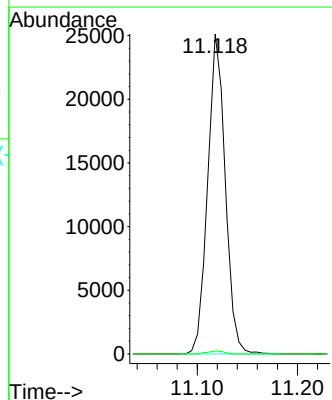
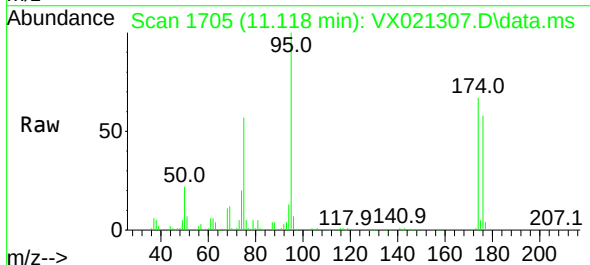
Instrument :
 MSVOA_X
 ClientSampled :

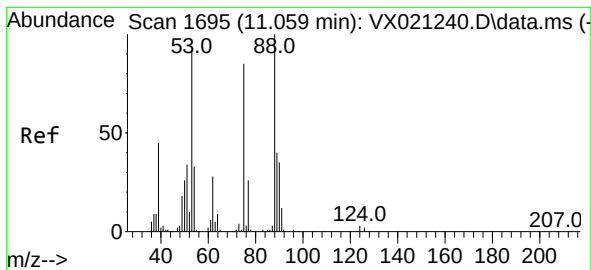
Tgt Ion:152 Resp: 44235
 Ion Ratio Lower Upper
 152 100
 115 64.5 41.1 123.3
 150 158.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.87 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021307.D
 Acq: 19 Mar 2021 17:13

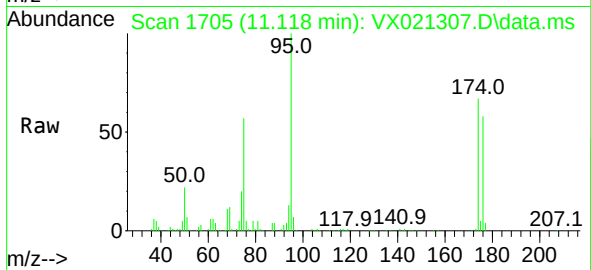
Tgt Ion: 75 Resp: 30651
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.10 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021307.D
 Acq: 19 Mar 2021 17:13

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30651
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

