

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021689.D
 Acq On : 31 Mar 2021 16:37
 Operator : JC/MD
 Sample : M1842-19DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20210324DL

Quant Time: Apr 01 03:27:09 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)

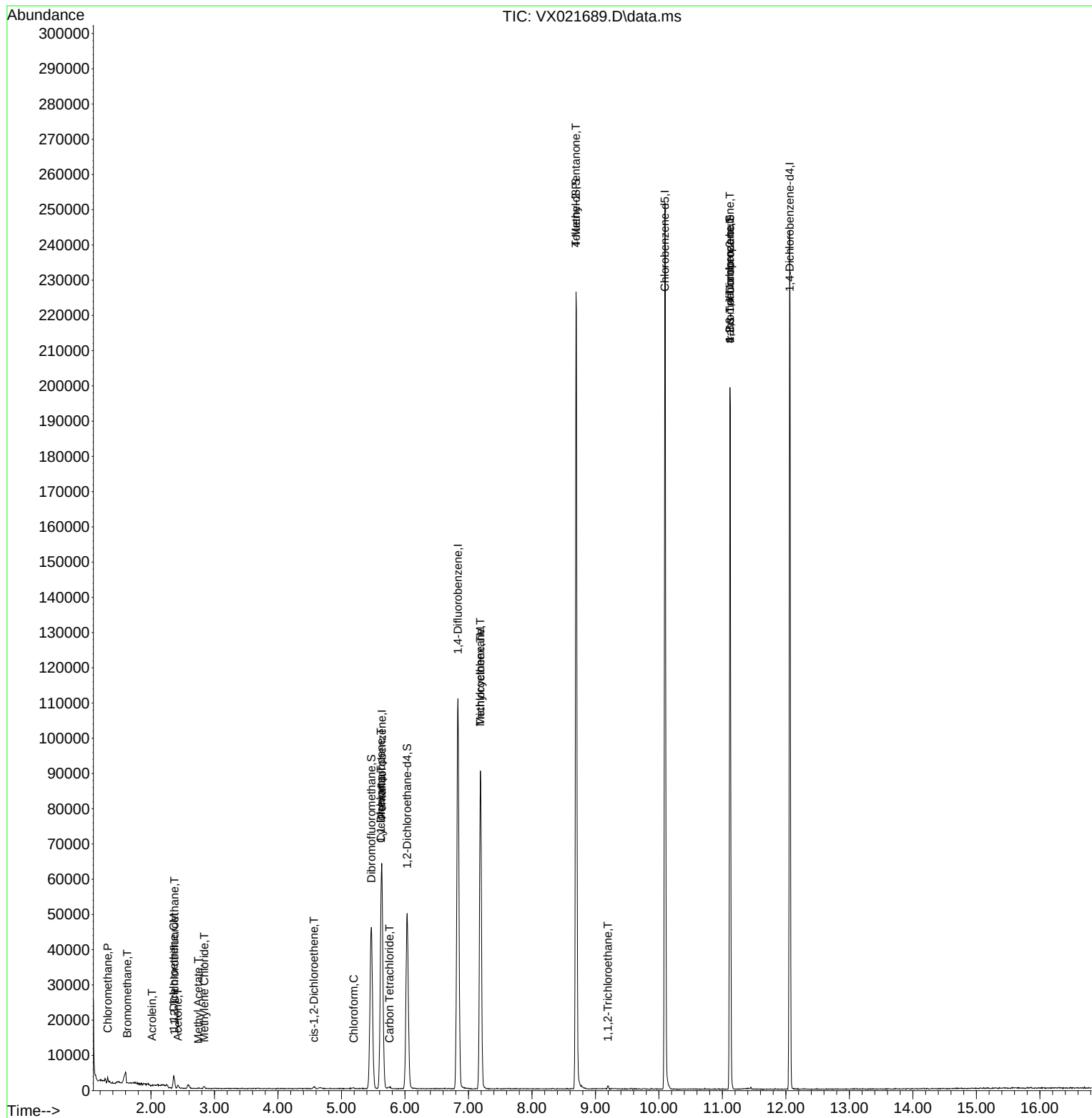
Internal Standards						
1) Pentafluorobenzene	5.635	168	55618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	102100	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	106647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	45774	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	49135	53.10	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.20%
35) Dibromofluoromethane	5.470	113	37704	51.99	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.98%
50) Toluene-d8	8.694	98	130826	50.62	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.24%
62) 4-Bromofluorobenzene	11.118	95	51552	51.31	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.62%
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1363	1.98	ug/l	94
5) Bromomethane	1.628	94	70	0.28	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.370	101	754	1.32	ug/l	93
12) 1,1-Dichloroethene	2.358	96	592	1.06	ug/l #	86
13) Acrolein	2.017	56	19	4.54	ug/l #	51
16) Acetone	2.423	43	702	2.01	ug/l #	84
18) Methyl Acetate	2.746	43	221	0.22	ug/l #	47
20) Methylene Chloride	2.840	84	266	0.39	ug/l #	72
27) cis-1,2-Dichloroethene	4.564	96	211	0.30	ug/l	52
30) Chloroform	5.194	83	367	0.29	ug/l #	18
31) Cyclohexane	5.623	56	1519	1.49	ug/l #	44
36) 1,1-Dichloropropene	5.623	75	5029	5.03	ug/l #	49
38) Carbon Tetrachloride	5.758	117	433	0.40	ug/l #	66
39) Methylcyclohexane	7.188	83	472	0.43	ug/l #	1
44) Trichloroethene	7.188	130	31739	42.34	ug/l	96
51) 4-Methyl-2-Pentanone	8.694	43	722	0.62	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	206	0.28	ug/l #	85
76) 1,2,3-Trichloropropane	11.118	75	28557	26.80	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	28557	81.63	ug/l #	12

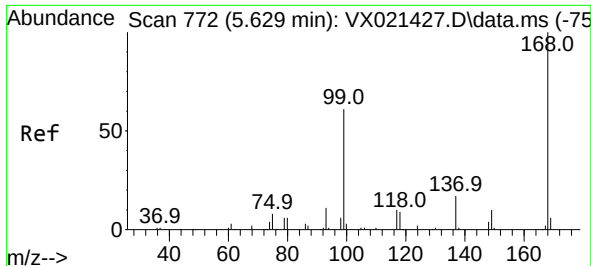
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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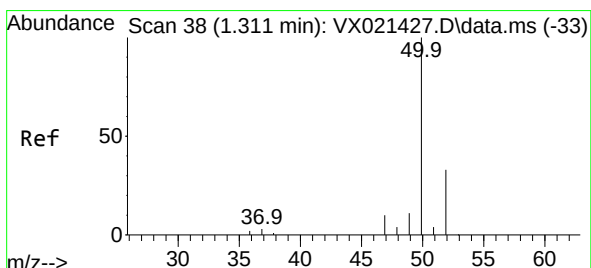
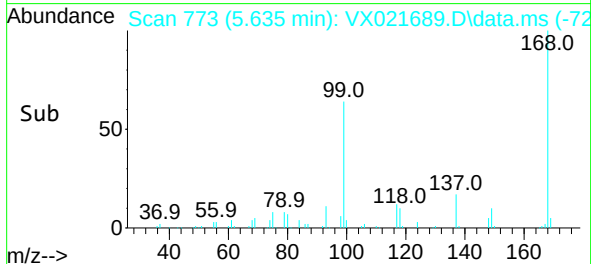
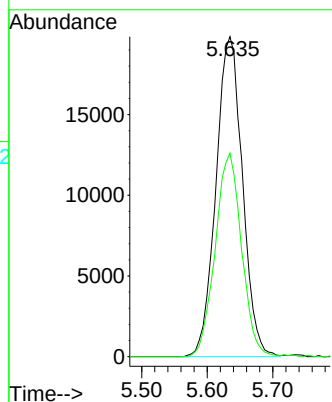
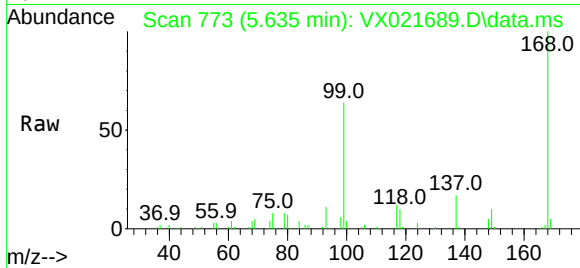




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

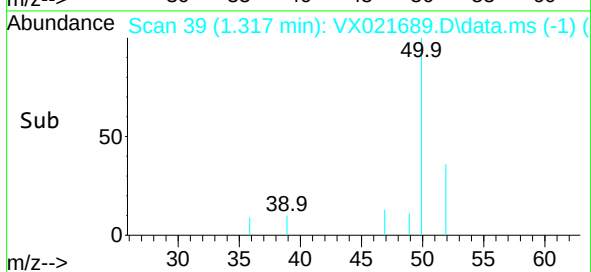
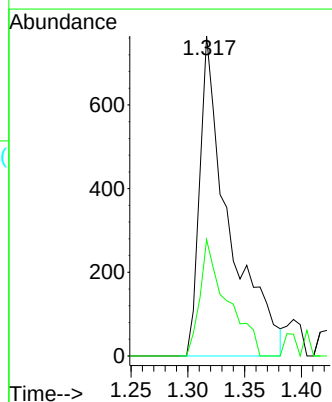
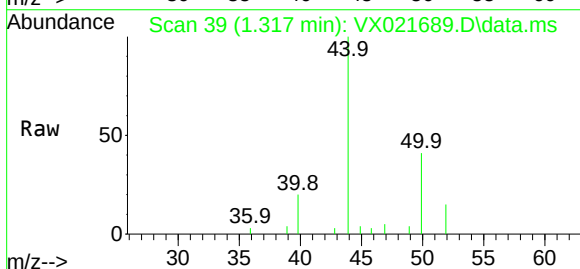
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

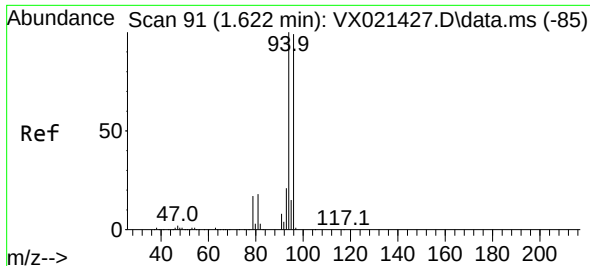
Tgt Ion:168 Resp: 55618
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#3
Chloromethane
Concen: 1.98 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

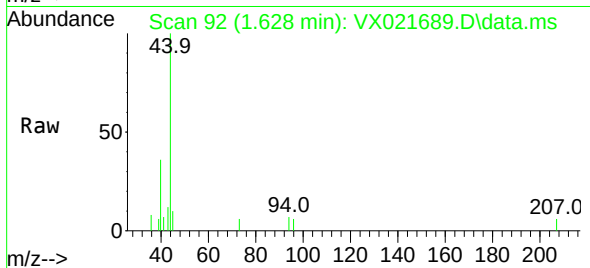
Tgt Ion: 50 Resp: 1363
Ion Ratio Lower Upper
50 100
52 36.3 26.4 39.6



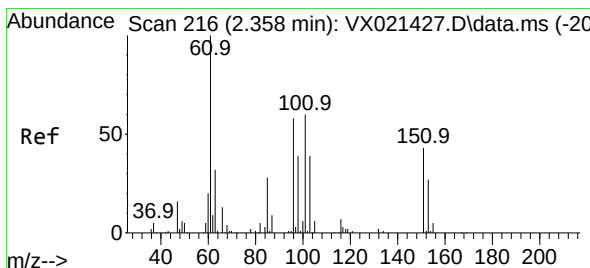
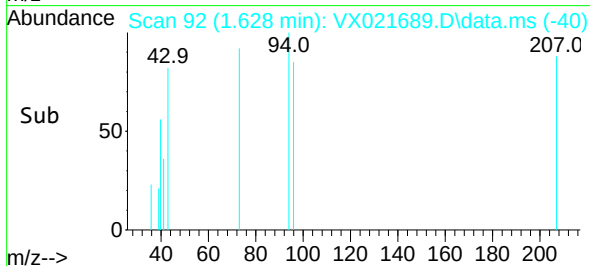
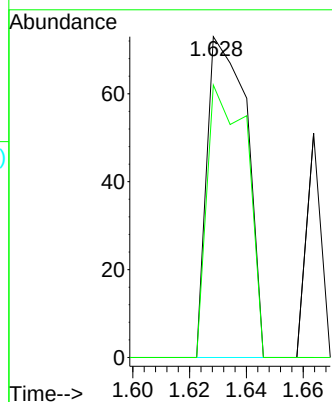


#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

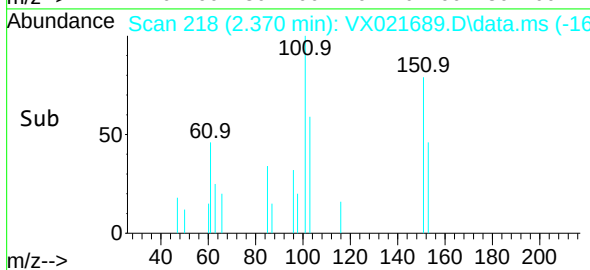
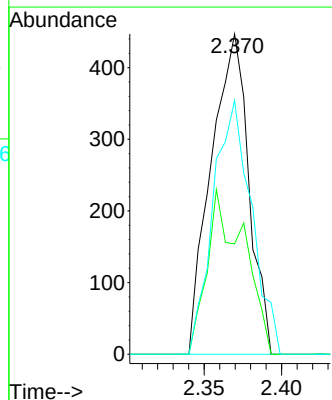
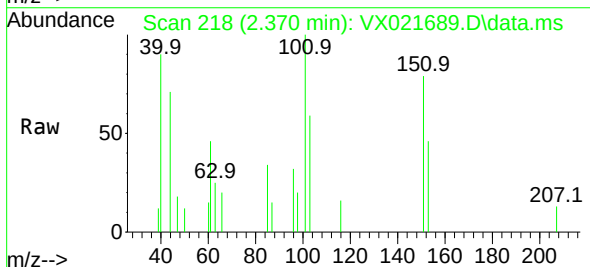


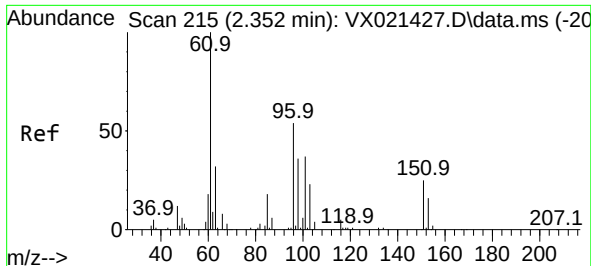
Tgt Ion: 94 Resp: 70
Ion Ratio Lower Upper
94 100
96 84.9 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.32 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Tgt Ion: 101 Resp: 754
Ion Ratio Lower Upper
101 100
85 50.1 34.9 52.3
151 80.6 61.4 92.2

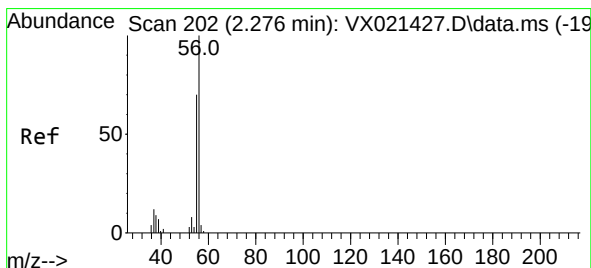
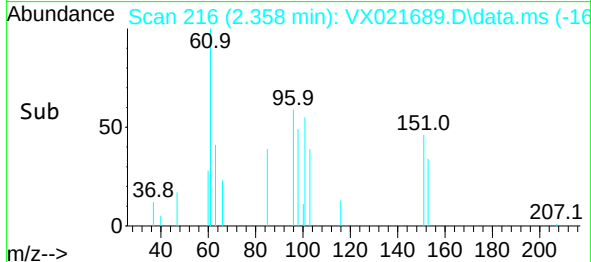
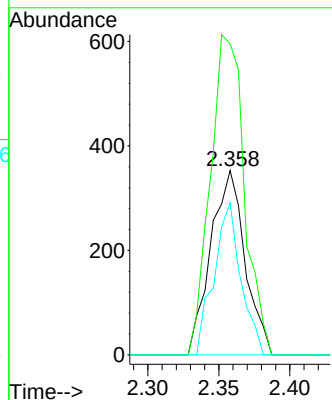
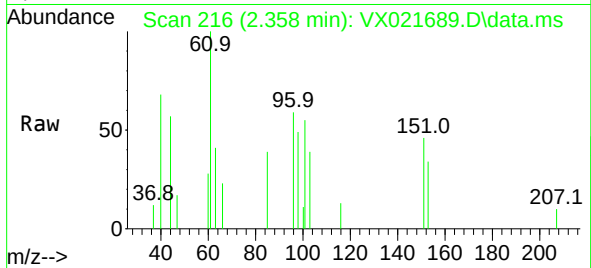




#12
1,1-Dichloroethene
Concen: 1.06 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

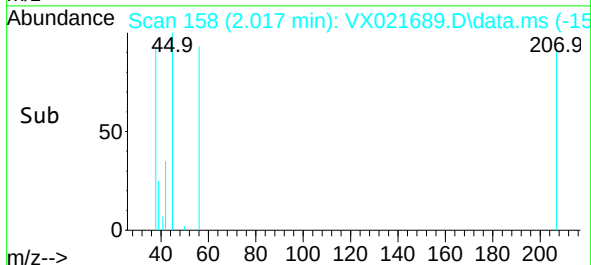
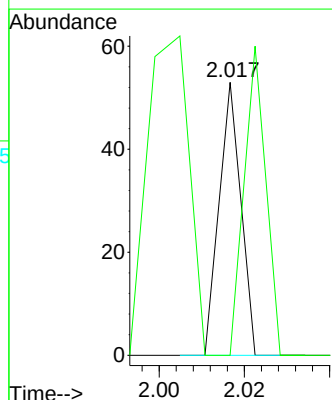
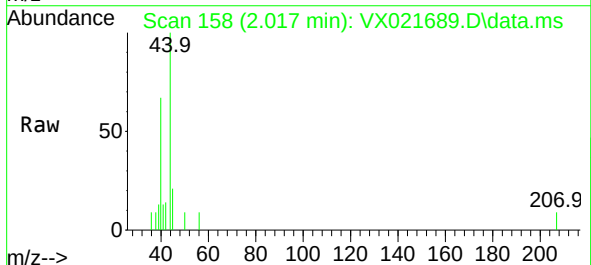
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

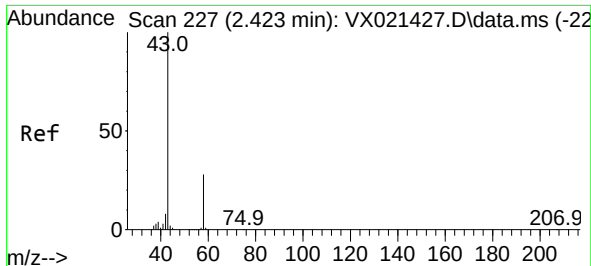
Tgt Ion: 96 Resp: 592
Ion Ratio Lower Upper
96 100
61 168.8 124.6 187.0
98 82.4 50.6 76.0#



#13
Acrolein
Concen: 4.54 ug/l
RT: 2.017 min Scan# 158
Delta R.T. -0.259 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

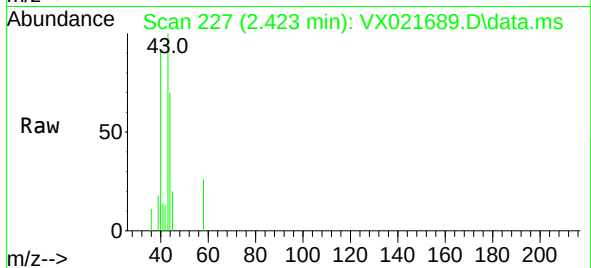
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 110.5 56.4 84.6#



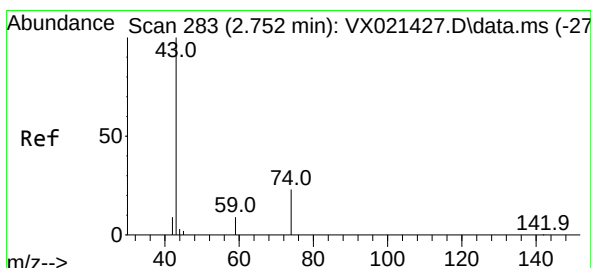
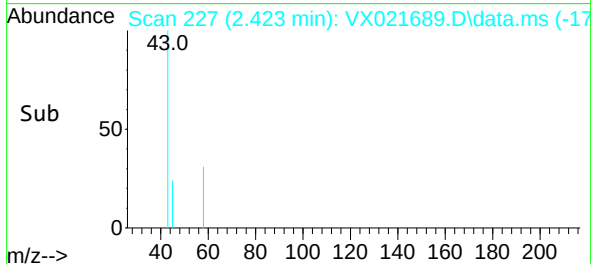
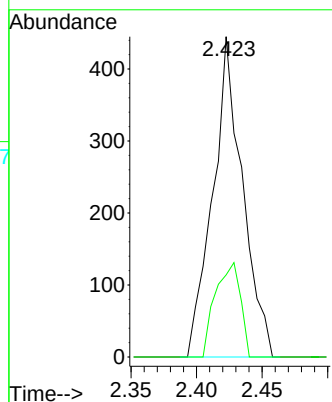


#16
Acetone
Concen: 2.01 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

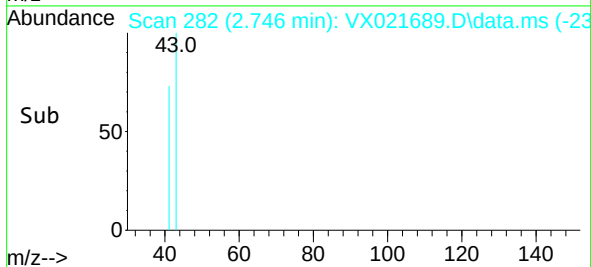
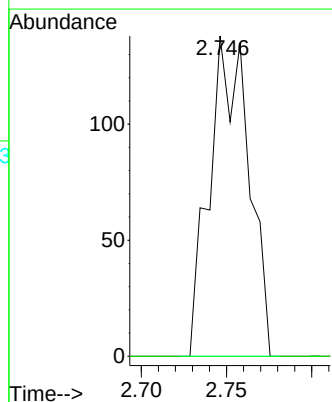
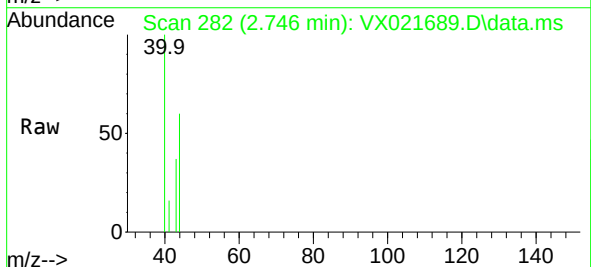


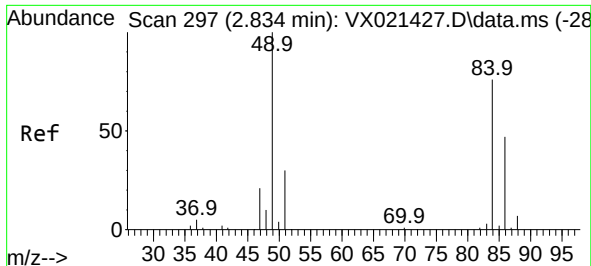
Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

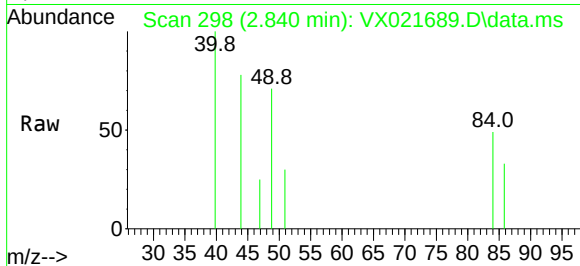
Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





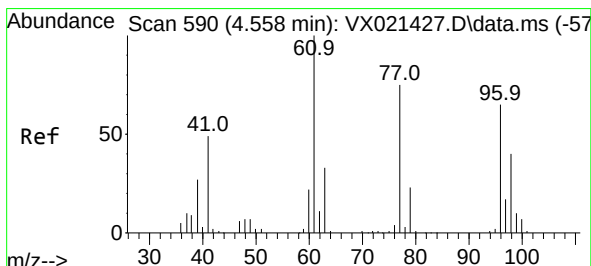
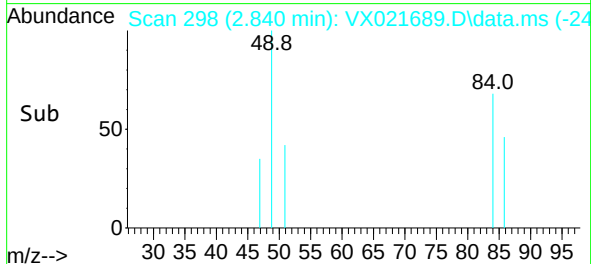
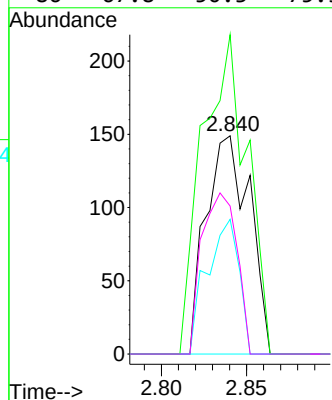
#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL



Tgt Ion: 84 Resp: 266

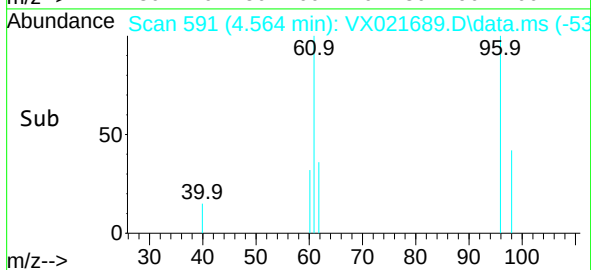
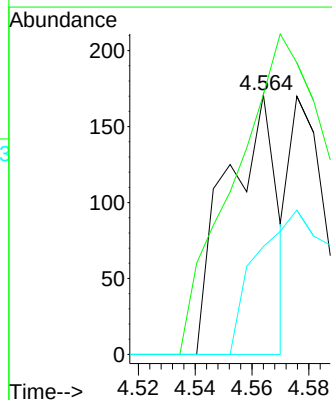
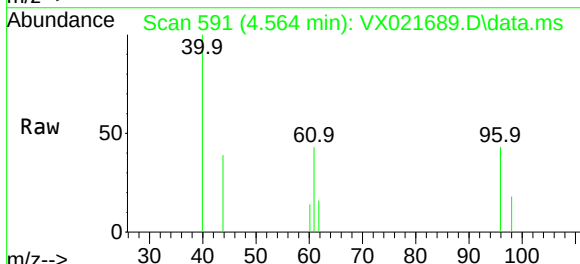
Ion	Ratio	Lower	Upper
84	100		
49	146.3	88.6	132.8#
51	61.7	27.0	40.6#
86	67.8	50.3	75.5

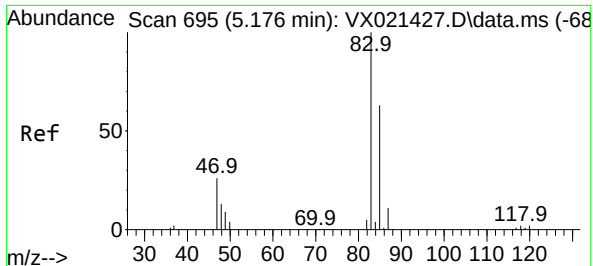


#27
cis-1,2-Dichloroethene
Concen: 0.30 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Tgt Ion: 96 Resp: 211

Ion	Ratio	Lower	Upper
96	100		
61	221.3	0.0	285.6
98	76.3	0.0	129.6





#30

Chloroform

Concen: 0.29 ug/l

RT: 5.194 min Scan# 698

Delta R.T. 0.018 min

Lab File: VX021689.D

Acq: 31 Mar 2021 16:37

Tgt Ion: 83 Resp: 367

Ion Ratio Lower Upper

83 100

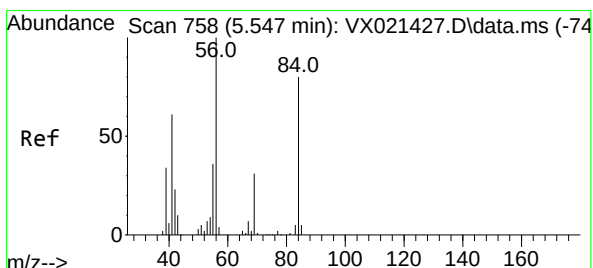
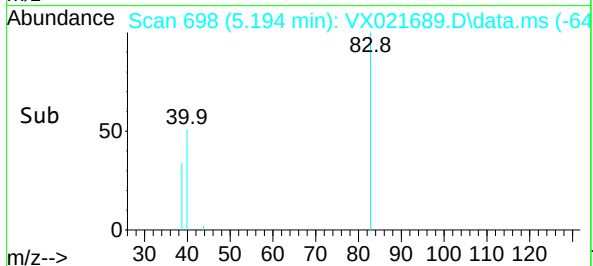
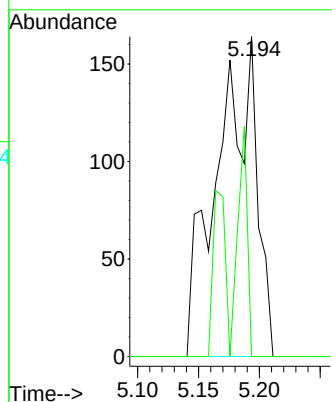
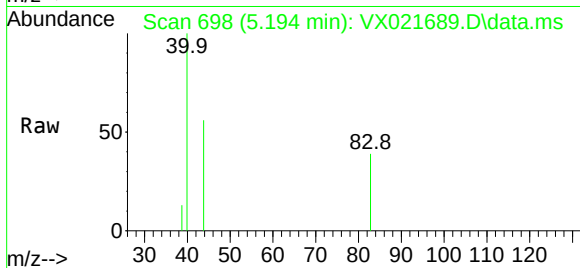
85 0.0 52.0 78.0#

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20210324DL



#31

Cyclohexane

Concen: 1.49 ug/l

RT: 5.623 min Scan# 771

Delta R.T. 0.076 min

Lab File: VX021689.D

Acq: 31 Mar 2021 16:37

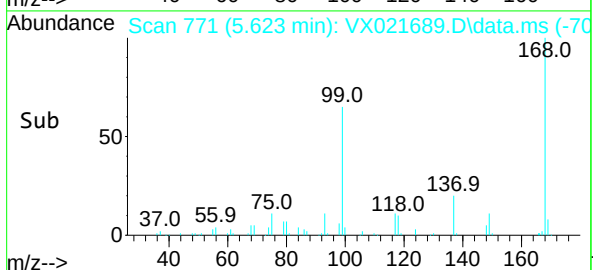
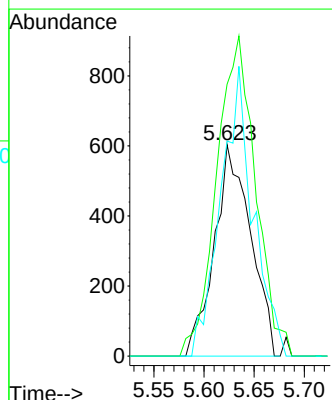
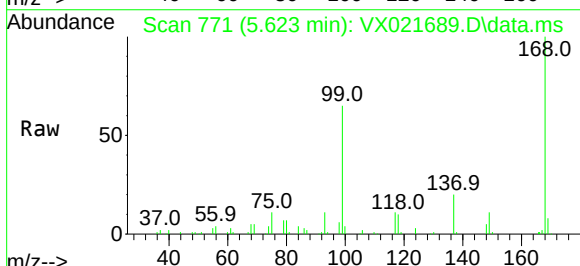
Tgt Ion: 56 Resp: 1519

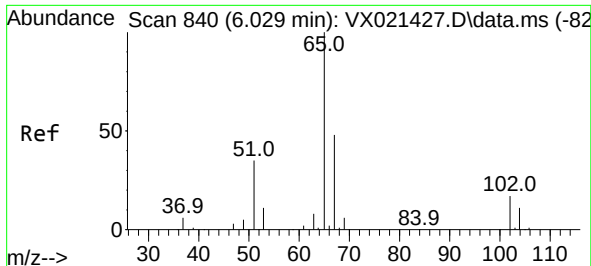
Ion Ratio Lower Upper

56 100

69 128.5 25.3 37.9#

84 101.7 71.4 107.0

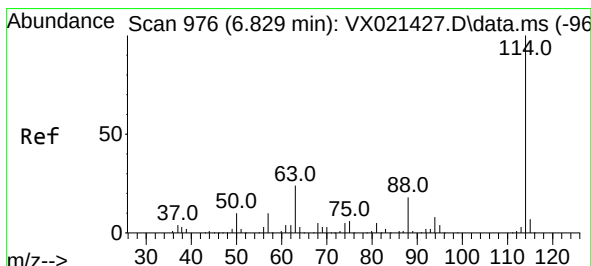
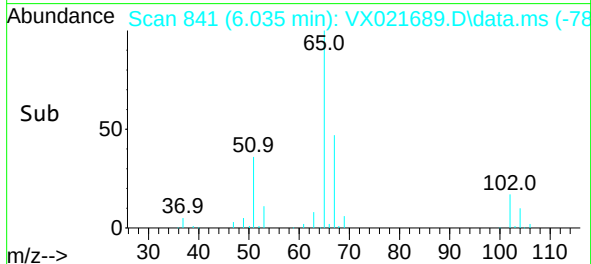
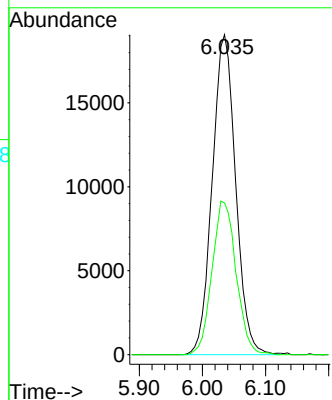
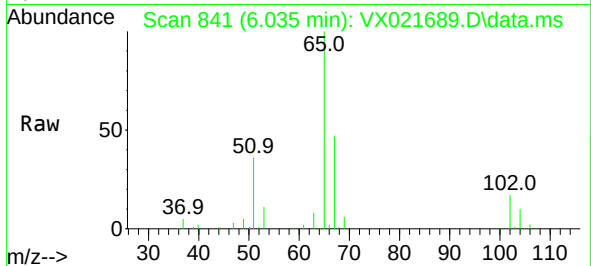




#33
 1,2-Dichloroethane-d4
 Concen: 53.10 ug/l
 RT: 6.035 min Scan# 841
 Delta R.T. 0.006 min
 Lab File: VX021689.D
 Acq: 31 Mar 2021 16:37

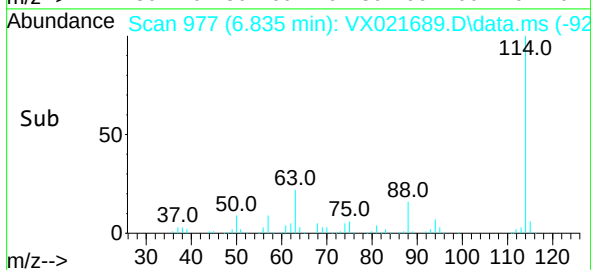
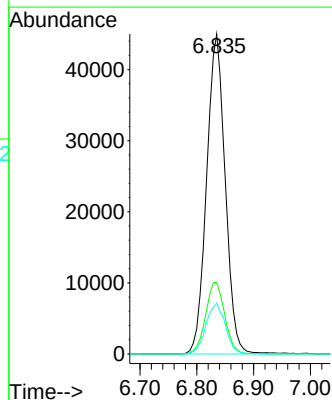
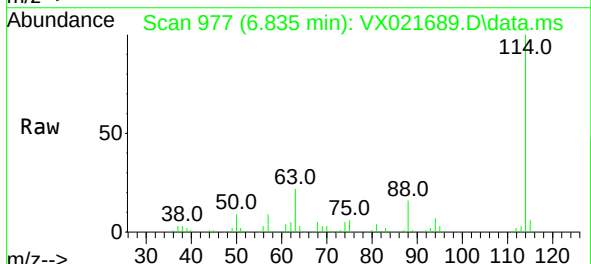
Instrument :
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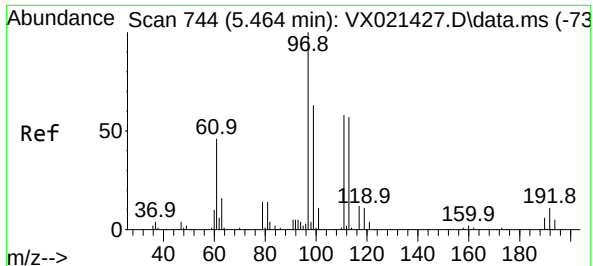
Tgt Ion: 65 Resp: 49135
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.835 min Scan# 977
 Delta R.T. 0.006 min
 Lab File: VX021689.D
 Acq: 31 Mar 2021 16:37

Tgt Ion: 114 Resp: 102100
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 40.8
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.99 ug/l

RT: 5.470 min Scan# 745

Delta R.T. 0.006 min

Lab File: VX021689.D

Acq: 31 Mar 2021 16:37

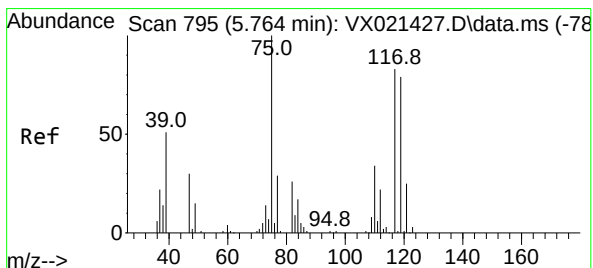
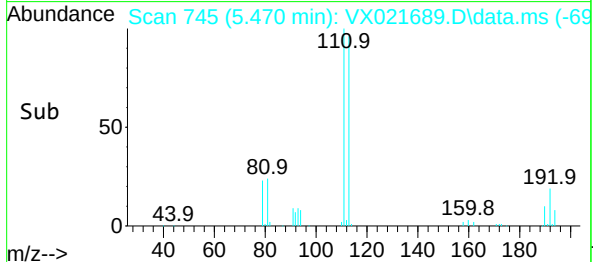
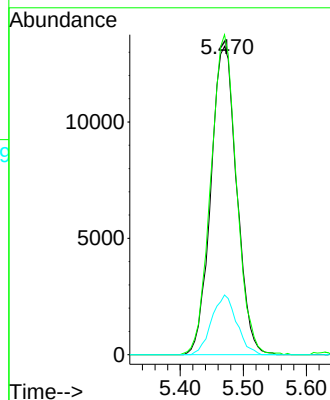
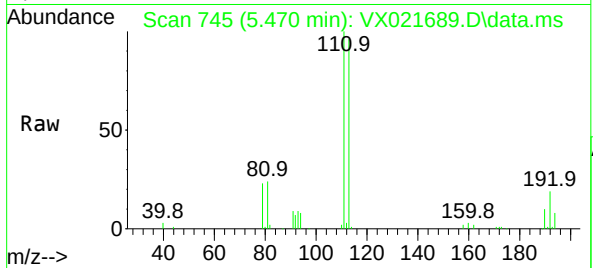
Tgt Ion:113 Resp: 37704

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 18.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.03 ug/l

RT: 5.623 min Scan# 771

Delta R.T. -0.141 min

Lab File: VX021689.D

Acq: 31 Mar 2021 16:37

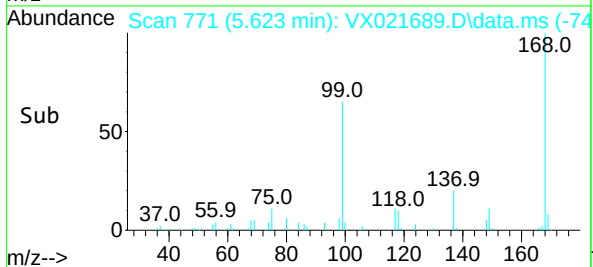
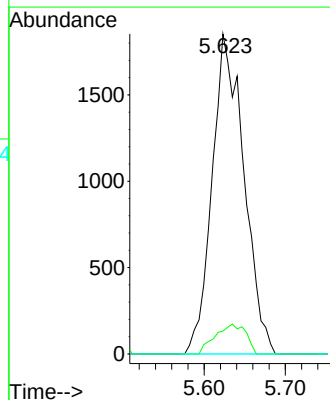
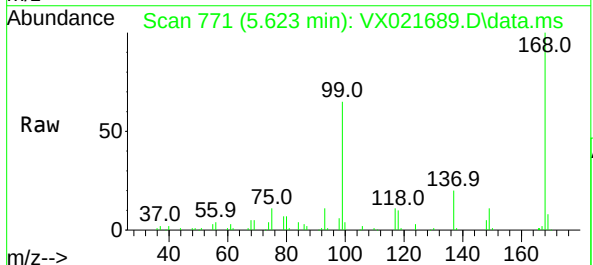
Tgt Ion: 75 Resp: 5029

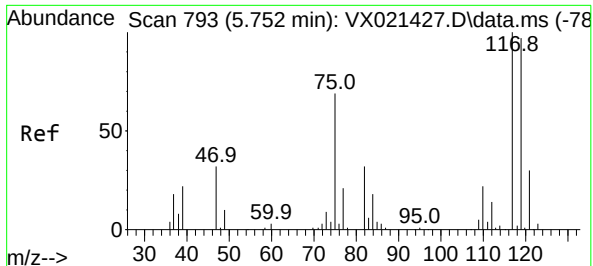
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 25.3 37.9#

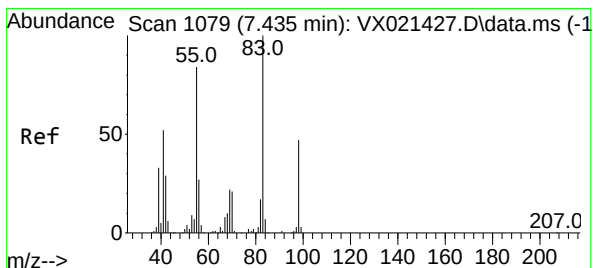
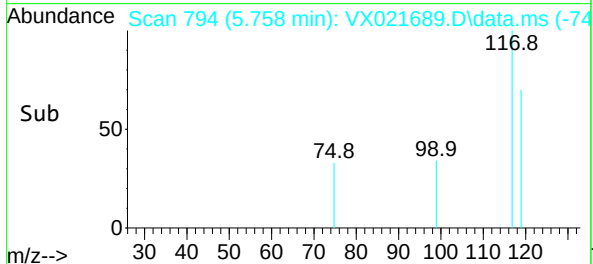
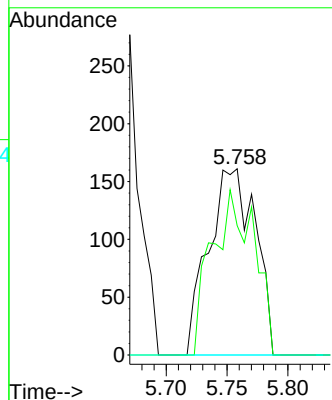
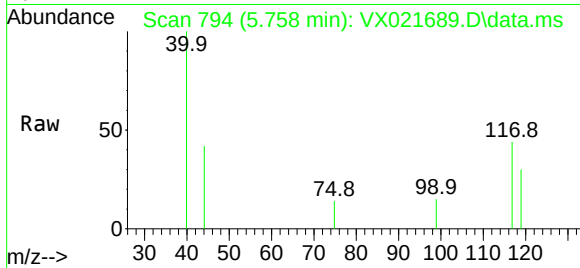




#38
Carbon Tetrachloride
Concen: 0.40 ug/l
RT: 5.758 min Scan# 794
Delta R.T. 0.006 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

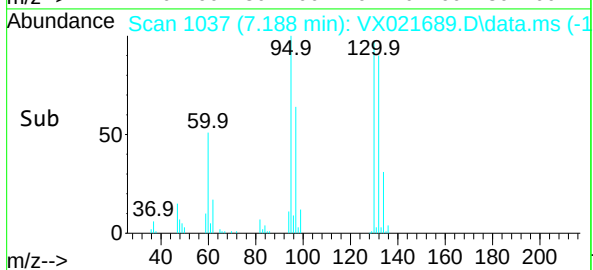
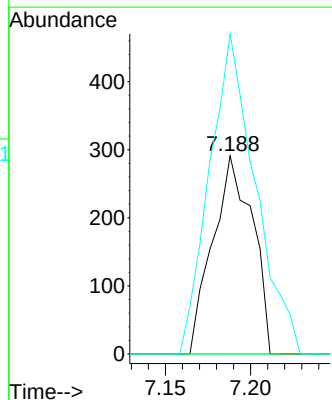
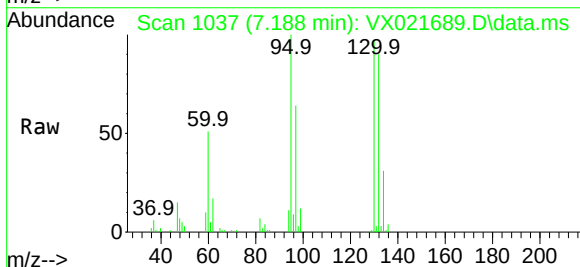
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

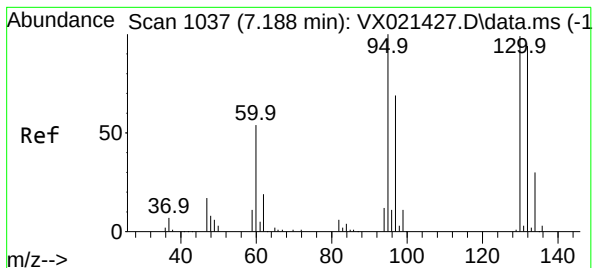
Tgt Ion:117 Resp: 433
Ion Ratio Lower Upper
117 100
119 69.6 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.43 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Tgt Ion: 83 Resp: 472
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 161.5 38.1 57.1#





#44

Trichloroethene

Concen: 42.34 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

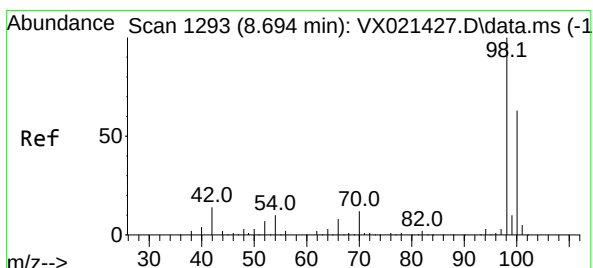
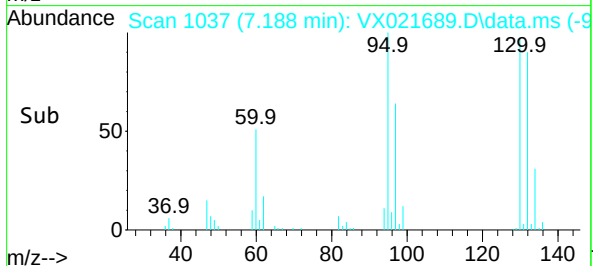
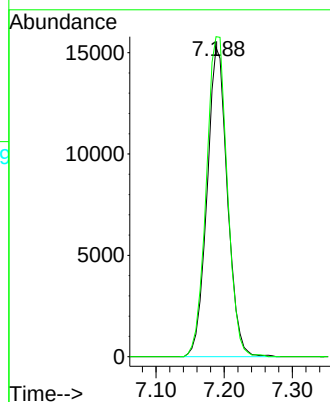
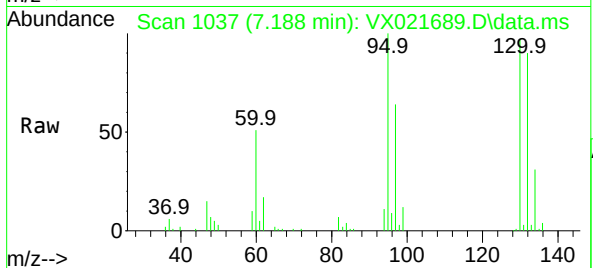
Lab File: VX021689.D

Acq: 31 Mar 2021 16:37

Tgt Ion:130 Resp: 31739

Ion Ratio Lower Upper

130	100		
95	103.5	0.0	198.0



#50

Toluene-d8

Concen: 50.62 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.000 min

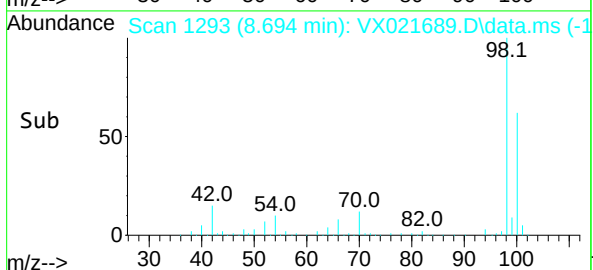
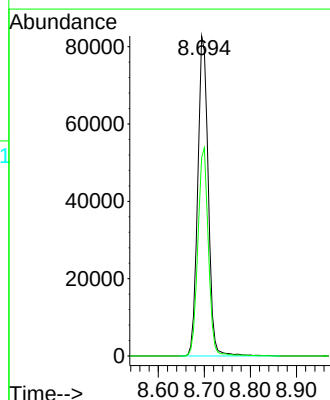
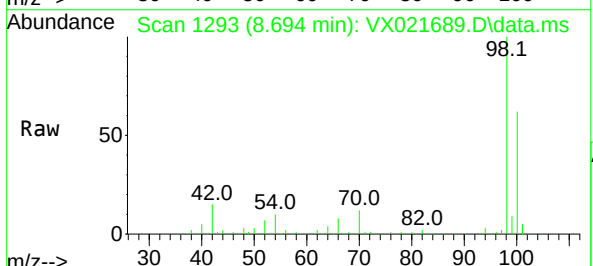
Lab File: VX021689.D

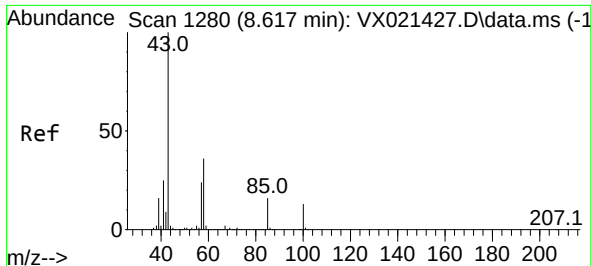
Acq: 31 Mar 2021 16:37

Tgt Ion: 98 Resp: 130826

Ion Ratio Lower Upper

98	100		
100	65.0	51.9	77.9

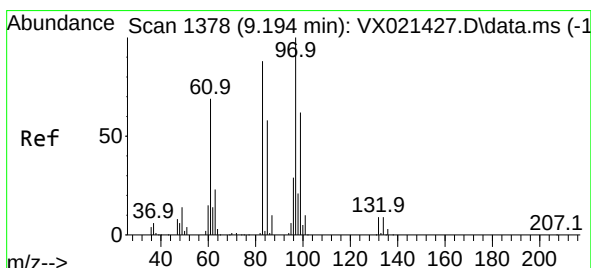
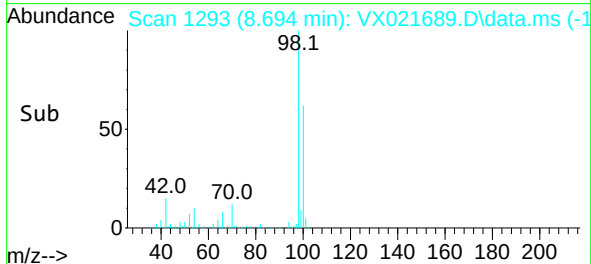
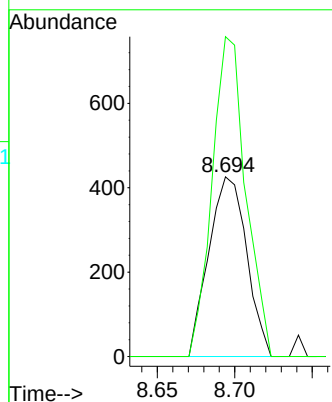
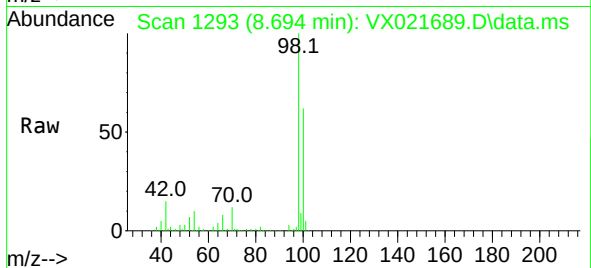




#51
4-Methyl-2-Pentanone
Concen: 0.62 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

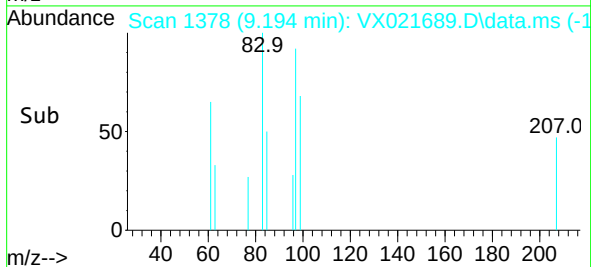
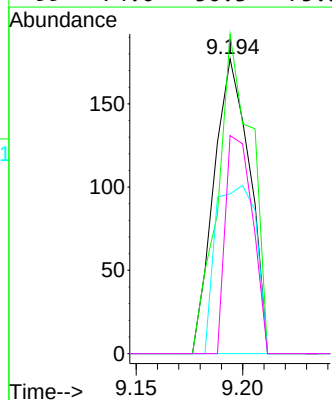
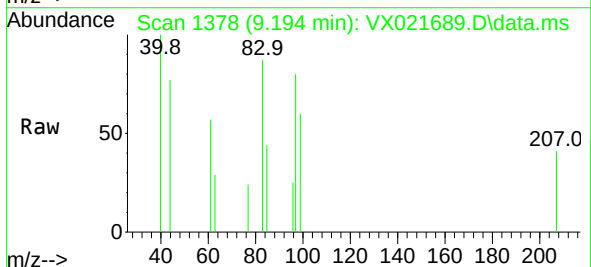
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

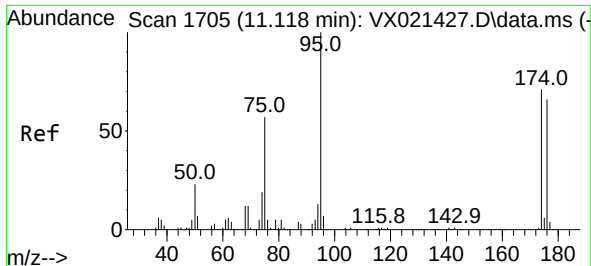
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 158.6 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.28 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Tgt Ion: 97 Resp: 206
Ion Ratio Lower Upper
97 100
83 108.5 69.3 103.9#
85 54.2 44.3 66.5
99 74.0 50.3 75.5

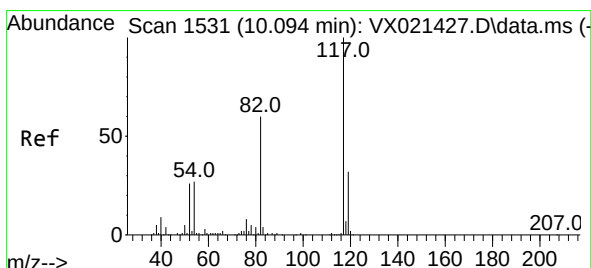
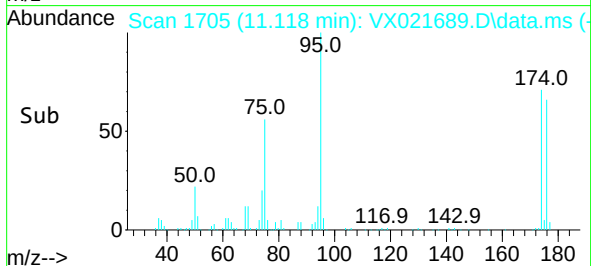
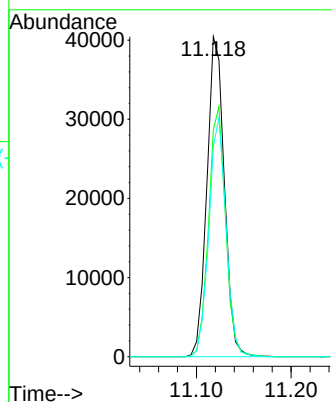
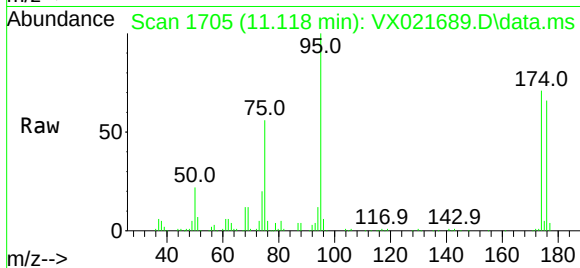




#62
4-Bromofluorobenzene
Concen: 51.31 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

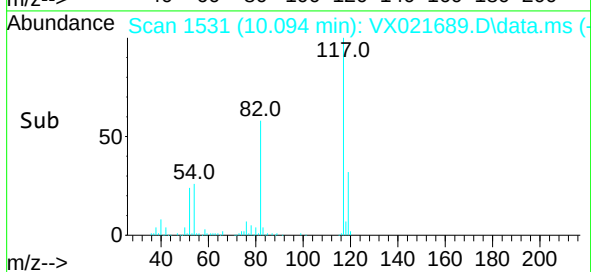
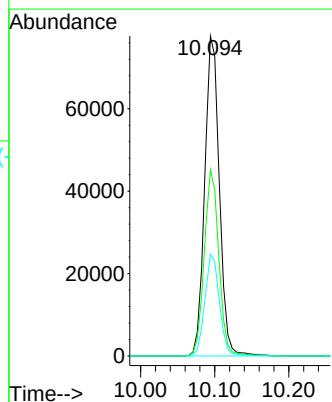
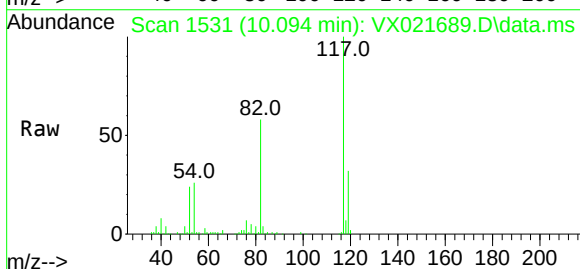
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

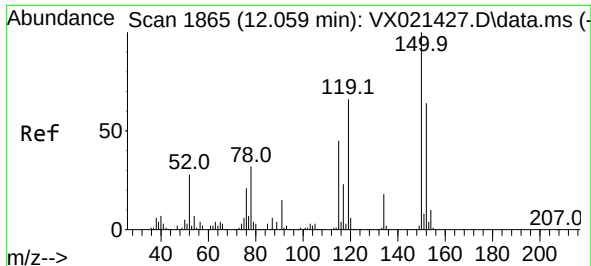
Tgt Ion:	95	Resp:	51552
Ion Ratio	Lower	Upper	
95	100		
174	76.1	0.0	154.6
176	73.5	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

Tgt Ion:	117	Resp:	106647
Ion Ratio	Lower	Upper	
117	100		
82	58.2	47.4	71.2
119	31.7	26.6	39.8

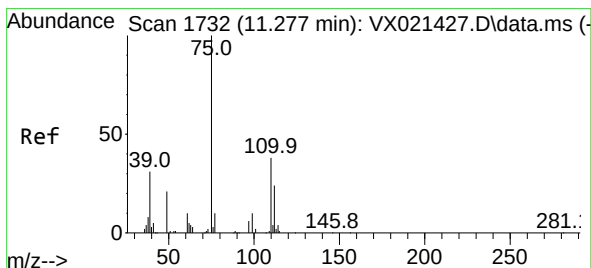
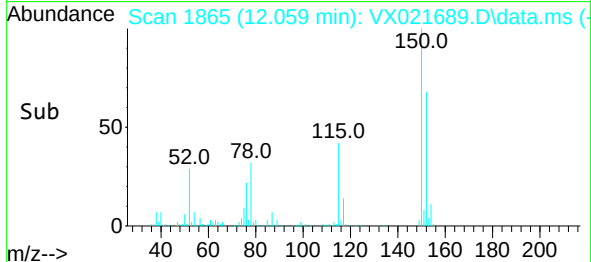
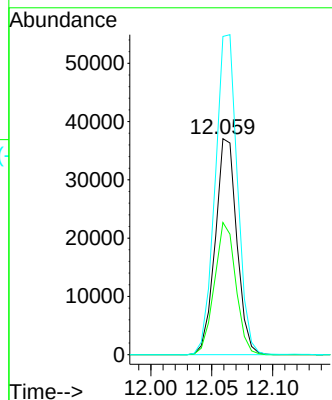
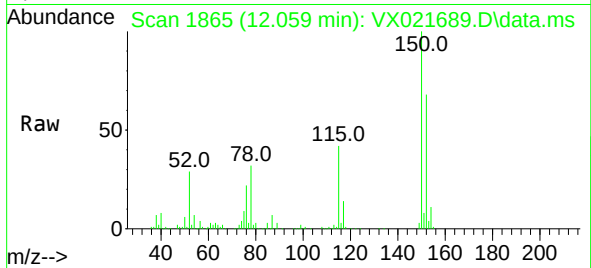




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

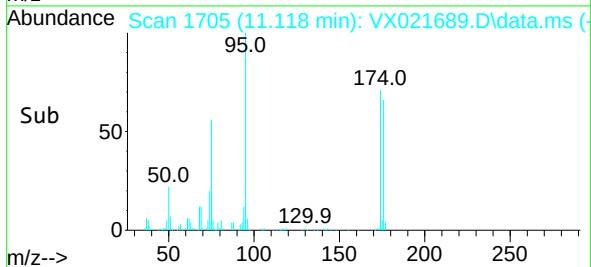
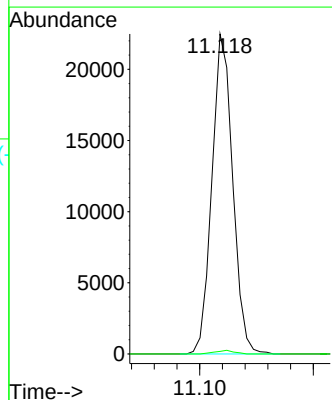
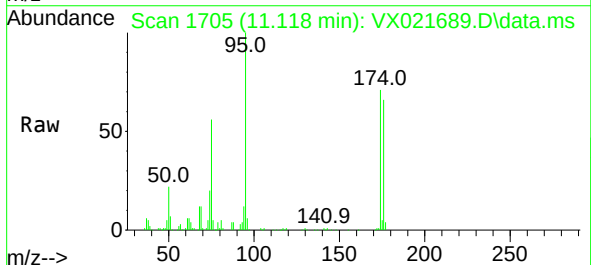
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210324DL

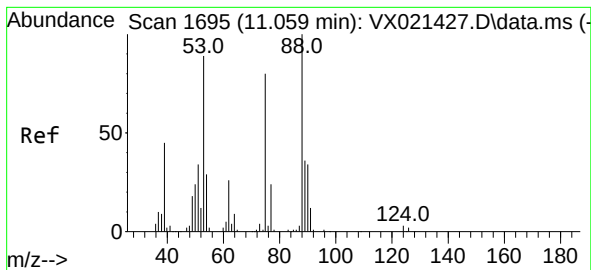
Tgt Ion:152 Resp: 45774
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 152.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.80 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021689.D
Acq: 31 Mar 2021 16:37

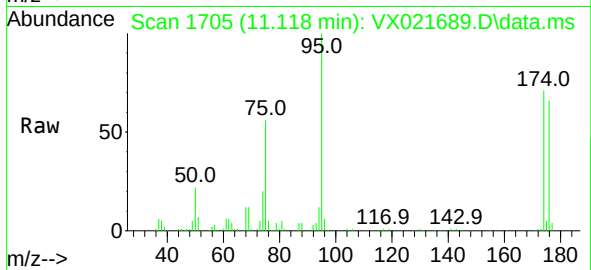
Tgt Ion: 75 Resp: 28557
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.63 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021689.D
 Acq: 31 Mar 2021 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20210324DL



Tgt Ion: 75 Resp: 28557
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

