

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032321\
 Data File : VX021387.D
 Acq On : 23 Mar 2021 15:54
 Operator : JC/MD
 Sample : M1736-02DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 24 01:57:04 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)

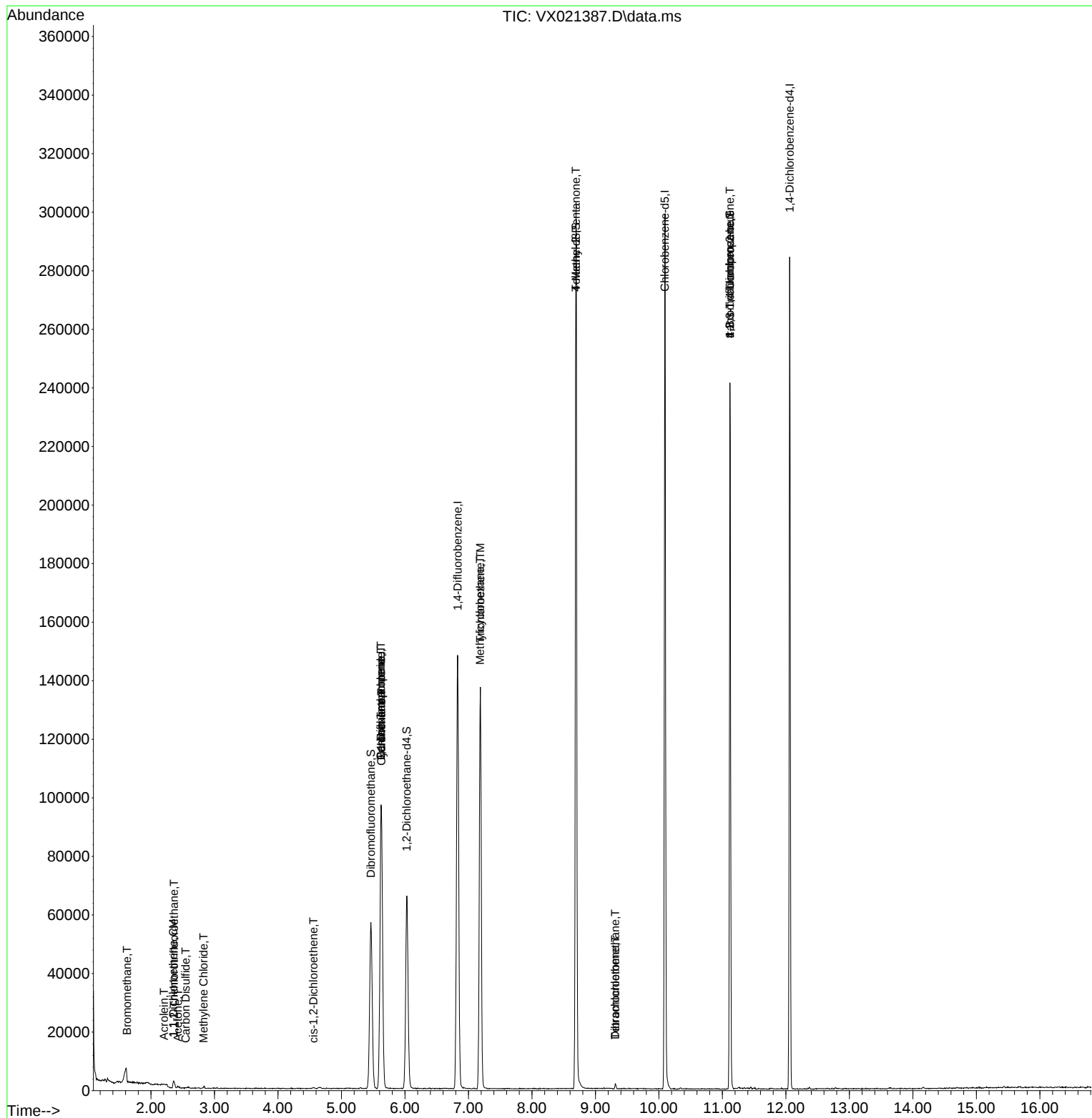
Internal Standards						
1) Pentafluorobenzene	5.623	168	85700	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.829	114	139347	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	123192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	52185	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	64915	46.18	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.36%
35) Dibromofluoromethane	5.464	113	46765	49.32	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.64%
50) Toluene-d8	8.694	98	168772	49.06	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.12%
62) 4-Bromofluorobenzene	11.118	95	61659	46.15	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.30%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1593	Below Cal		96
5) Bromomethane	1.623	94	133	0.29 ug/l		84
9) 1,1,2-Trichlorotrifluo...	2.364	101	663	0.74 ug/l		85
12) 1,1-Dichloroethene	2.352	96	411	0.47 ug/l		97
13) Acrolein	2.205	56	42	3.42 ug/l #		58
16) Acetone	2.423	43	470	0.91 ug/l #		79
17) Carbon Disulfide	2.546	76	227	0.62 ug/l #		75
20) Methylene Chloride	2.829	84	213	0.20 ug/l #		75
27) cis-1,2-Dichloroethene	4.558	96	253	0.23 ug/l		39
31) Cyclohexane	5.629	56	2328	1.37 ug/l #		33
36) 1,1-Dichloropropene	5.623	75	7368	5.25 ug/l #		49
38) Carbon Tetrachloride	5.623	117	9184	6.30 ug/l #		17
39) Methylcyclohexane	7.182	83	676	0.43 ug/l #		1
44) Trichloroethene	7.188	130	48679	47.36 ug/l		95
51) 4-Methyl-2-Pentanone	8.694	43	1072	0.69 ug/l #		1
60) Dibromochloromethane	9.312	129	331	0.30 ug/l #		11
64) Tetrachloroethene	9.312	164	297	0.32 ug/l #		84
76) 1,2,3-Trichloropropane	11.118	75	34685	28.65 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.118	75	34685	77.79 ug/l #		12

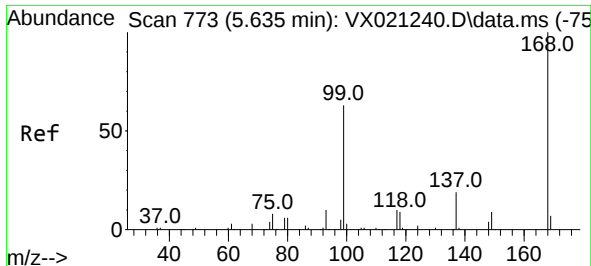
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 24 01:57:04 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

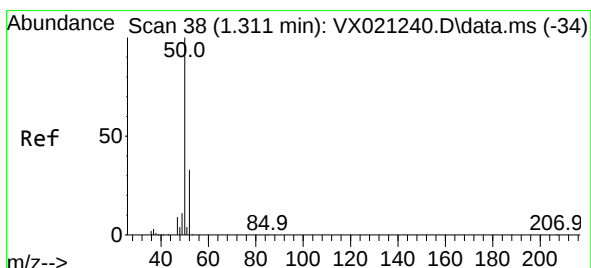
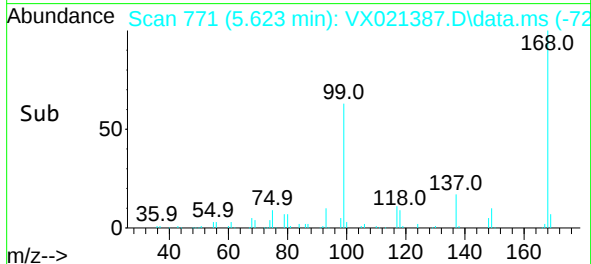
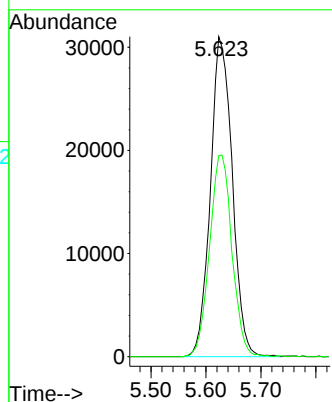
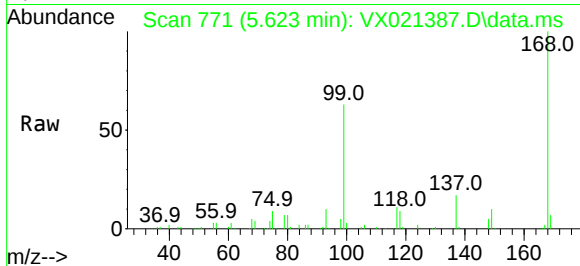




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.012 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

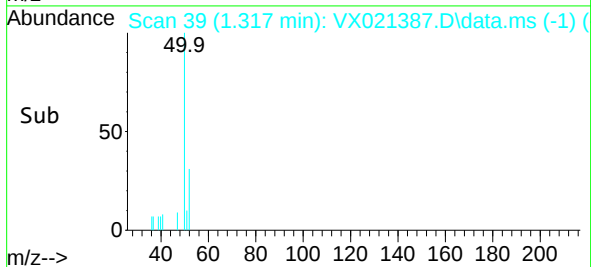
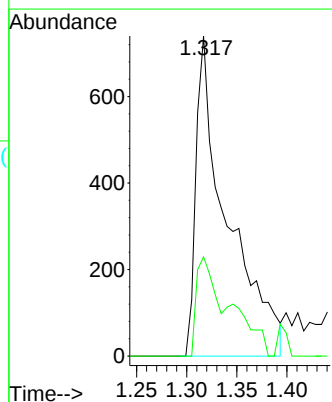
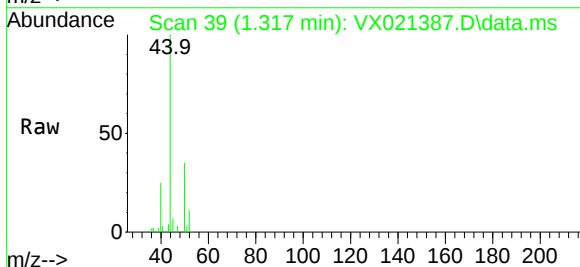
Instrument :
MSVOA_X
ClientSampleId :

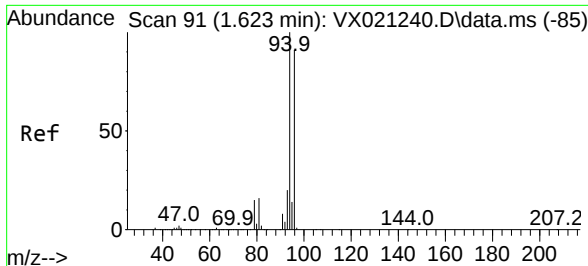
Tgt Ion:168 Resp: 85700
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

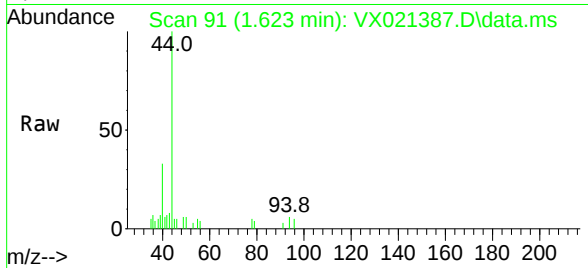
Tgt Ion: 50 Resp: 1593
Ion Ratio Lower Upper
50 100
52 30.9 26.4 39.6



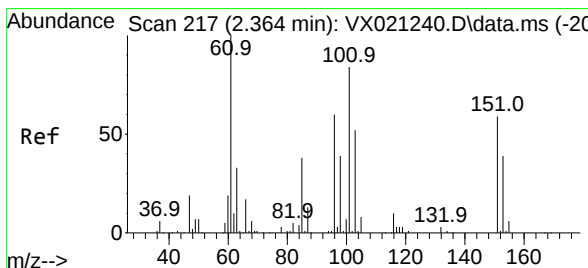
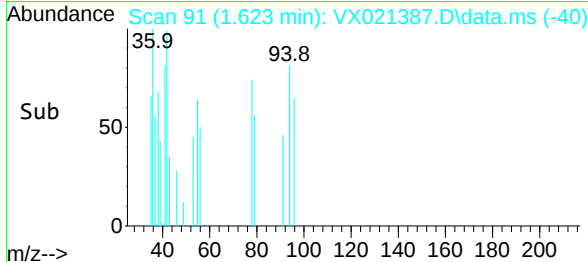
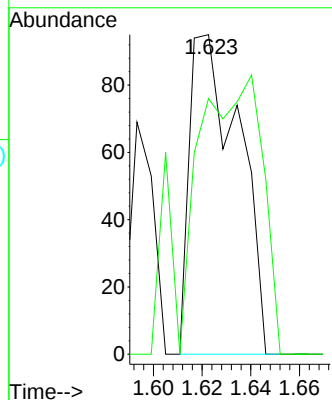


#5
Bromomethane
Concen: 0.29 ug/l
RT: 1.623 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Instrument :
MSVOA_X
ClientSampled :

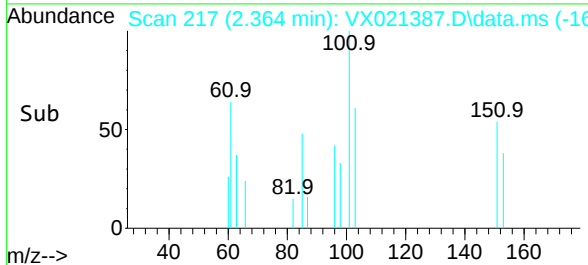
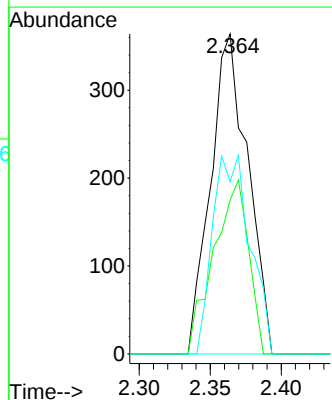
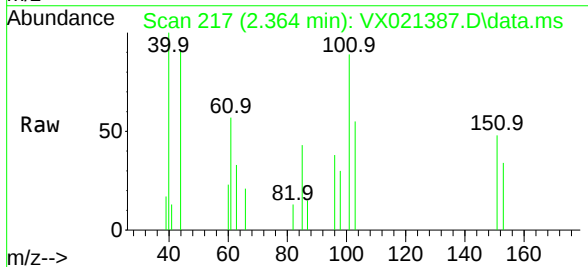


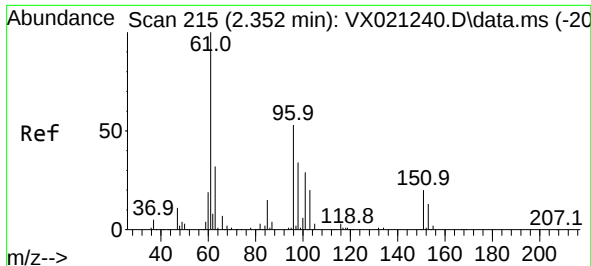
Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 80.0 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.74 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

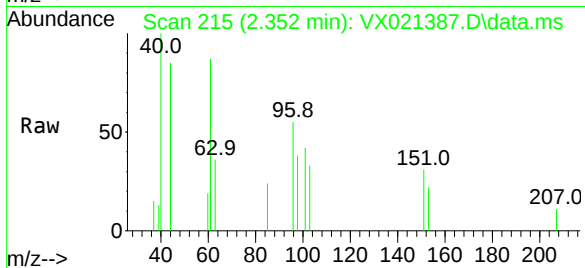
Tgt Ion: 101 Resp: 663
Ion Ratio Lower Upper
101 100
85 50.8 34.9 52.3
151 62.4 61.4 92.2



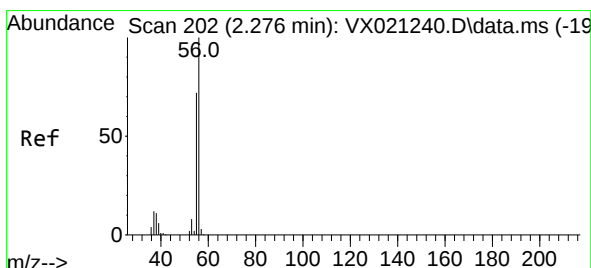
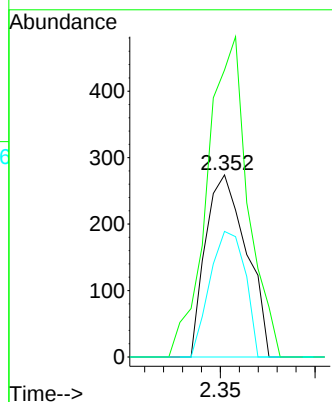
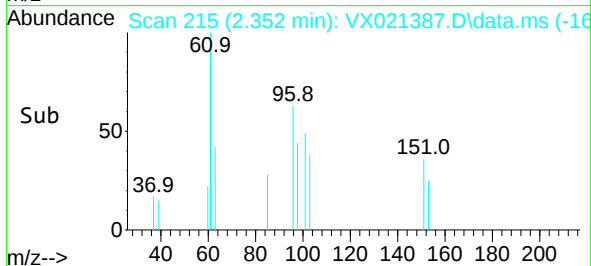


#12
1,1-Dichloroethene
Concen: 0.47 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

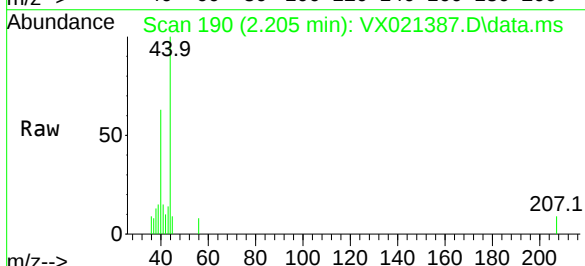
Instrument :
MSVOA_X
ClientSampled :



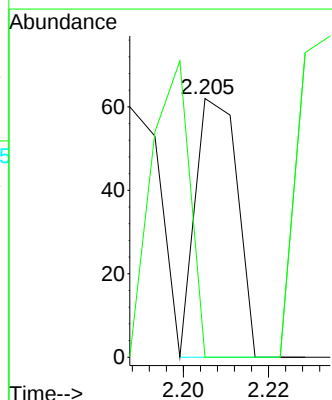
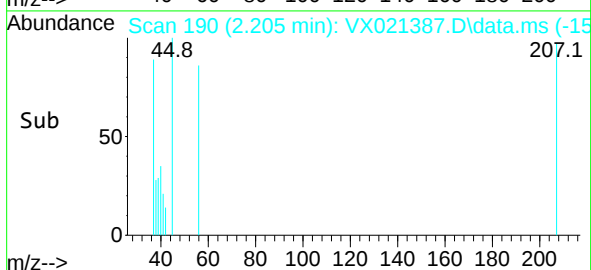
Tgt Ion: 96 Resp: 411
Ion Ratio Lower Upper
96 100
61 157.7 124.6 187.0
98 69.0 50.6 76.0

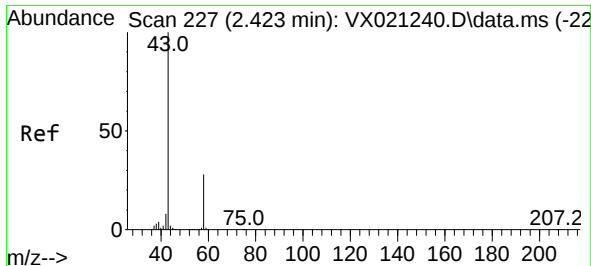


#13
Acrolein
Concen: 3.42 ug/l
RT: 2.205 min Scan# 190
Delta R.T. -0.071 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54



Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 104.8 56.4 84.6#

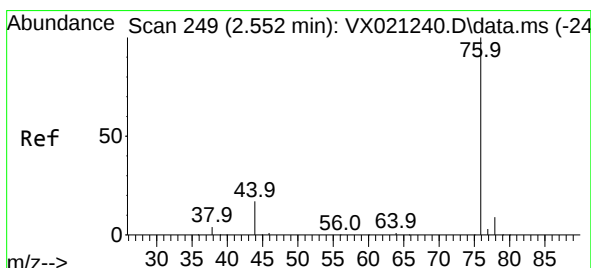
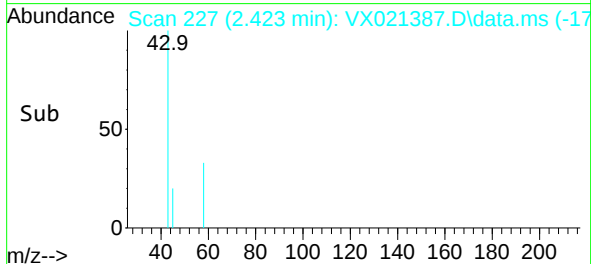
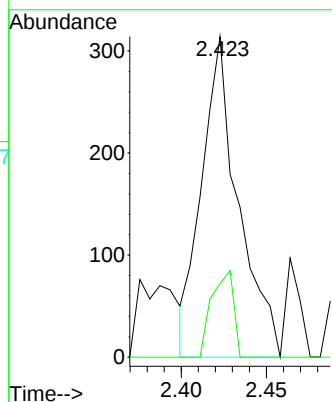
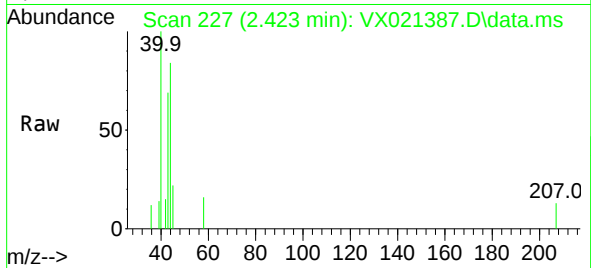




#16
Acetone
Concen: 0.91 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

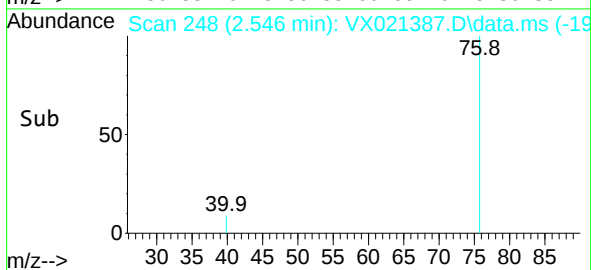
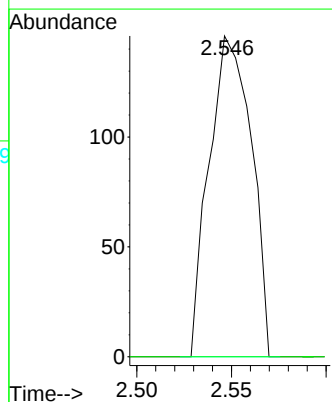
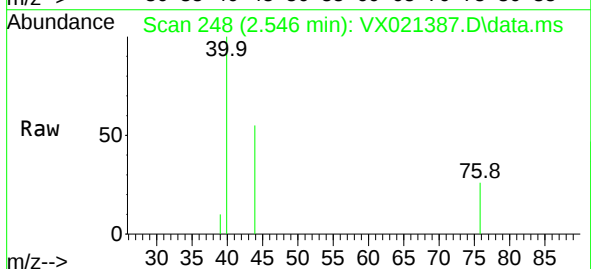
Instrument :
MSVOA_X
ClientSampled :

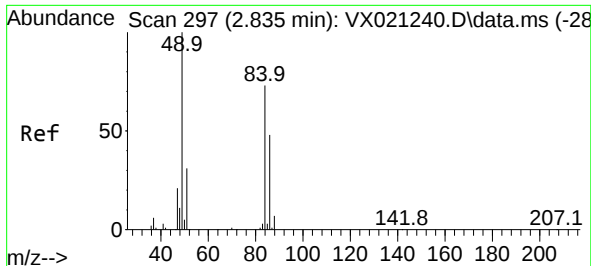
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
58 22.9 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.62 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Tgt Ion: 76 Resp: 227
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.20 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.006 min

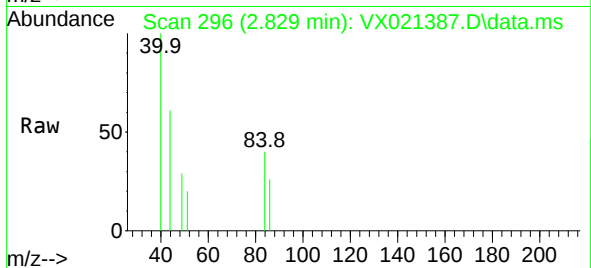
Lab File: VX021387.D

Acq: 23 Mar 2021 15:54

Instrument :

MSVOA_X

ClientSampled :



Tgt Ion: 84 Resp: 213

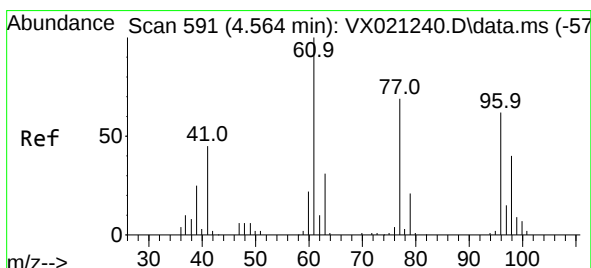
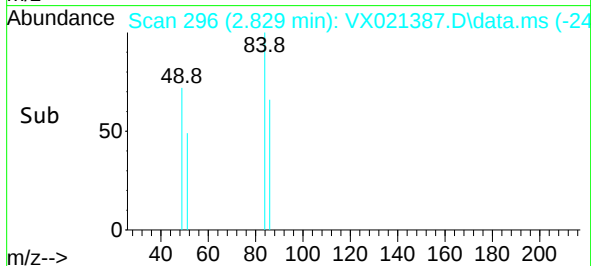
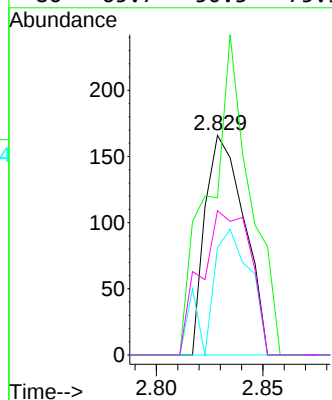
Ion Ratio Lower Upper

84 100

49 71.7 88.6 132.8#

51 48.8 27.0 40.6#

86 65.7 50.3 75.5



#27

cis-1,2-Dichloroethene

Concen: 0.23 ug/l

RT: 4.558 min Scan# 590

Delta R.T. -0.006 min

Lab File: VX021387.D

Acq: 23 Mar 2021 15:54

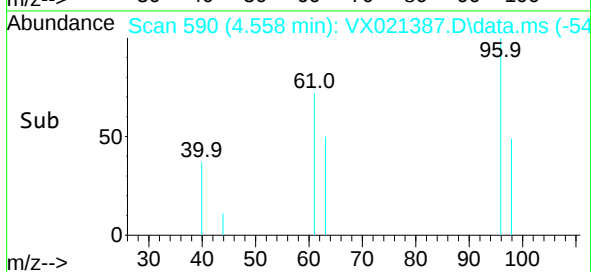
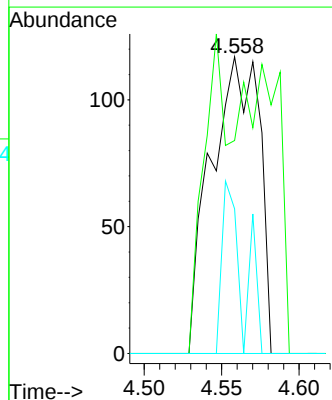
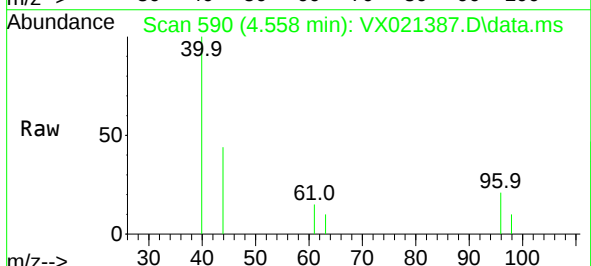
Tgt Ion: 96 Resp: 253

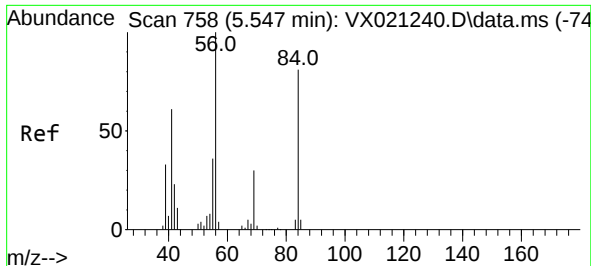
Ion Ratio Lower Upper

96 100

61 61.3 0.0 285.6

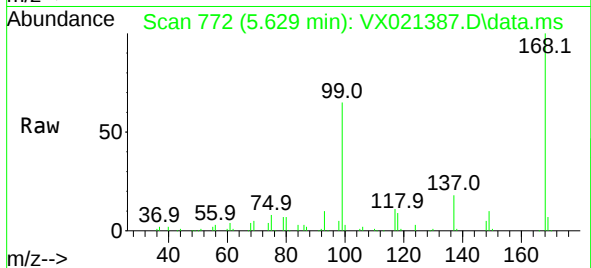
98 25.3 0.0 129.6



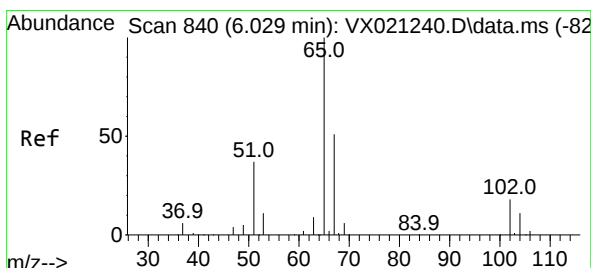
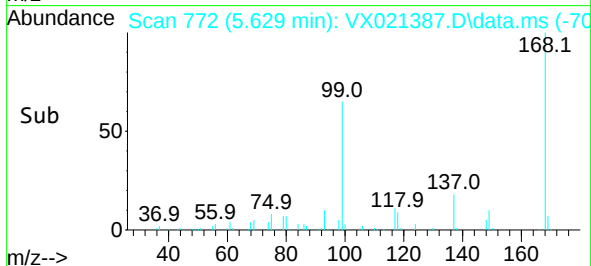
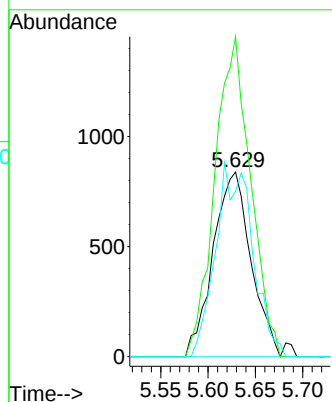


#31
Cyclohexane
Concen: 1.37 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Instrument :
MSVOA_X
ClientSampled :

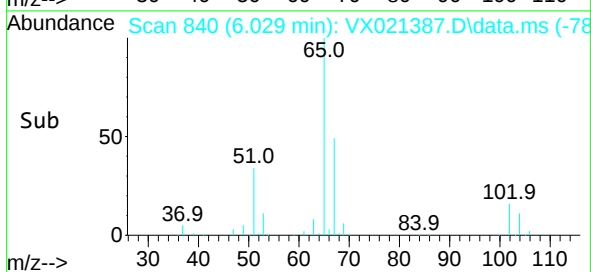
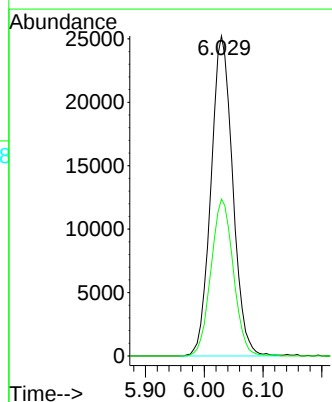
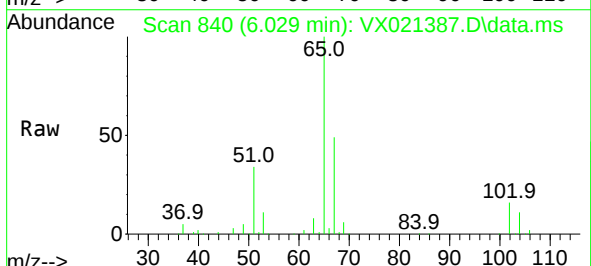


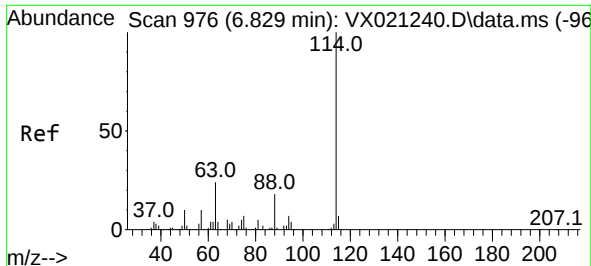
Tgt Ion: 56 Resp: 2328
Ion Ratio Lower Upper
56 100
69 173.3 25.3 37.9#
84 89.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 46.18 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

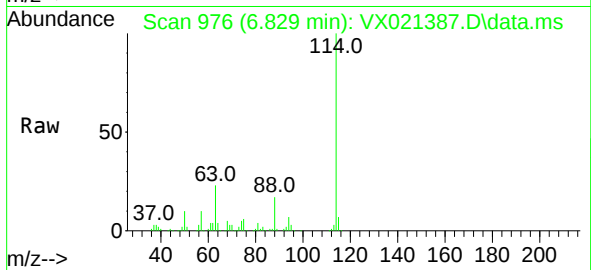
Tgt Ion: 65 Resp: 64915
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4



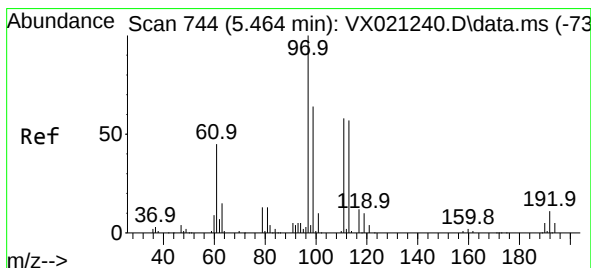
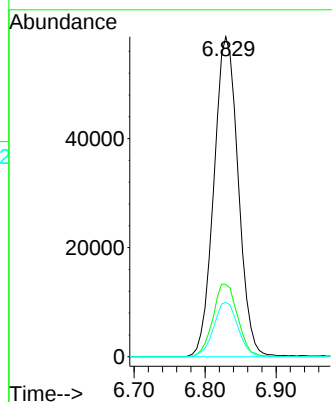
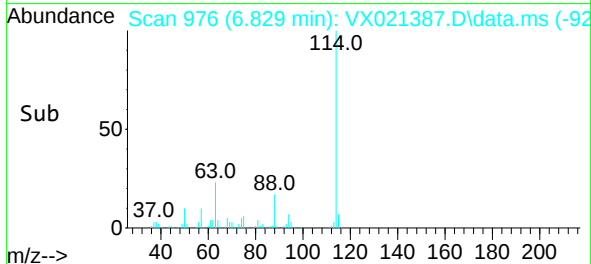


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

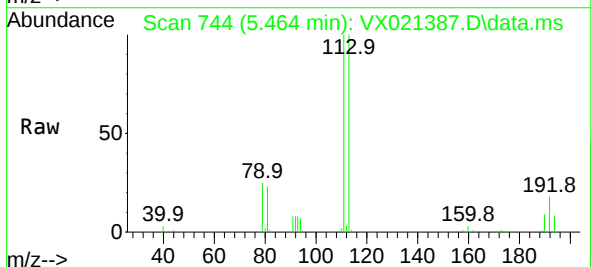
Instrument :
MSVOA_X
ClientSampleId :



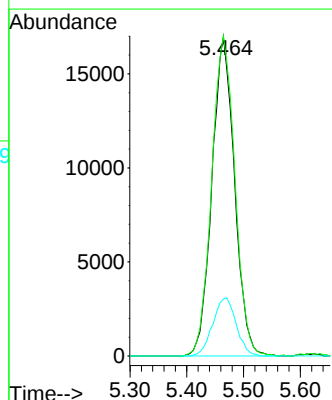
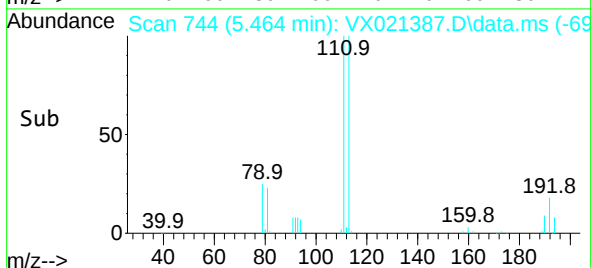
Tgt Ion:114 Resp: 139347
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.8
88 17.0 0.0 32.8

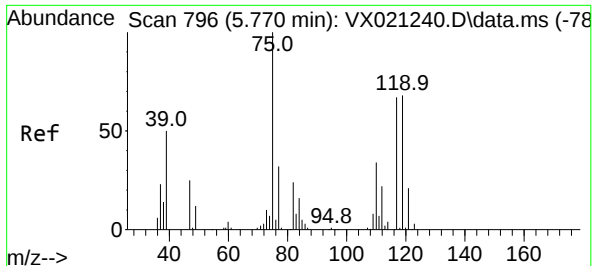


#35
Dibromofluoromethane
Concen: 49.32 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54



Tgt Ion:113 Resp: 46765
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 18.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.25 ug/l

RT: 5.623 min Scan# 771

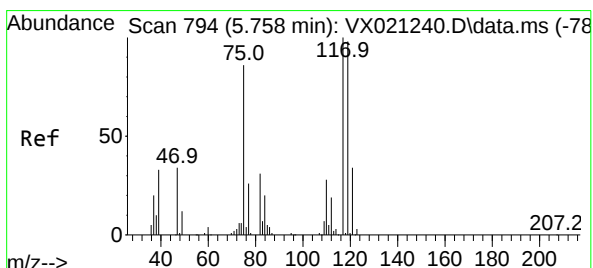
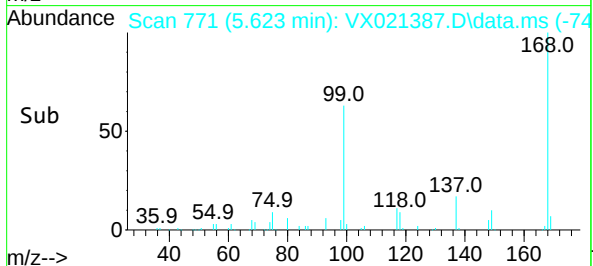
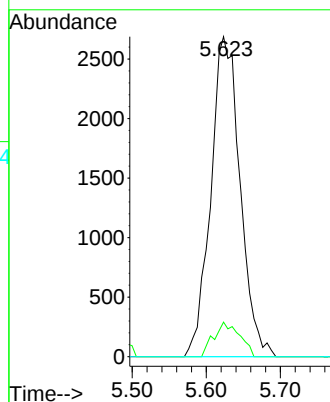
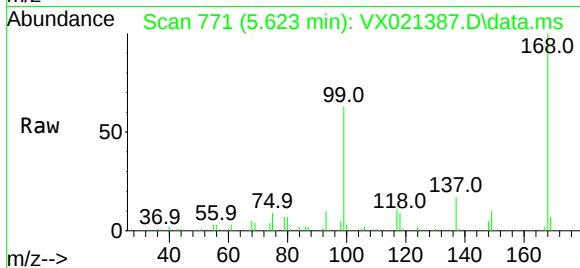
Delta R.T. -0.147 min

Lab File: VX021387.D

Acq: 23 Mar 2021 15:54

Tgt Ion:	75	Resp:	7368
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.30 ug/l

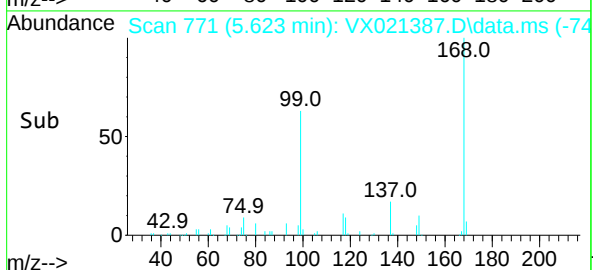
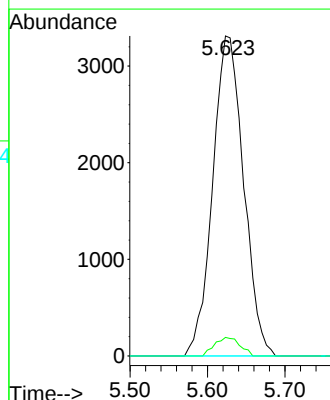
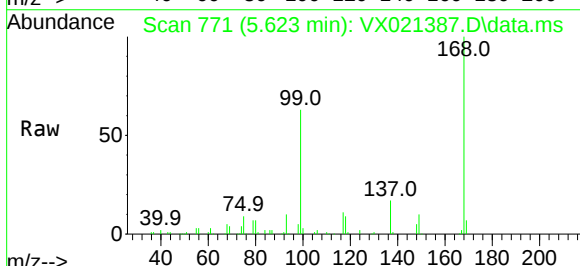
RT: 5.623 min Scan# 771

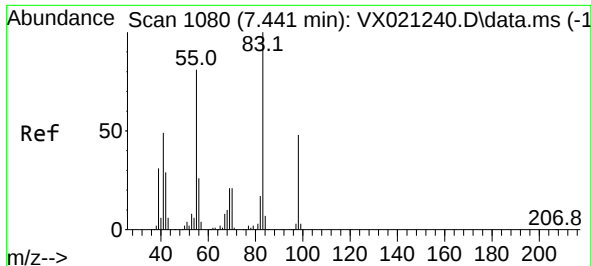
Delta R.T. -0.135 min

Lab File: VX021387.D

Acq: 23 Mar 2021 15:54

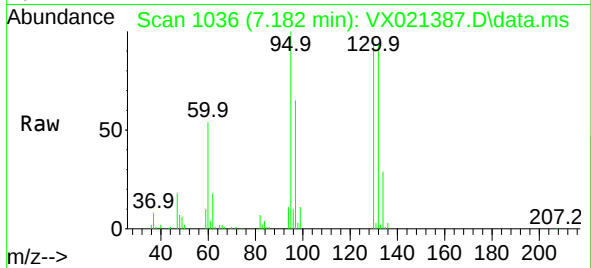
Tgt Ion:	117	Resp:	9184
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.2	114.2#
121	0.0	24.8	37.2#



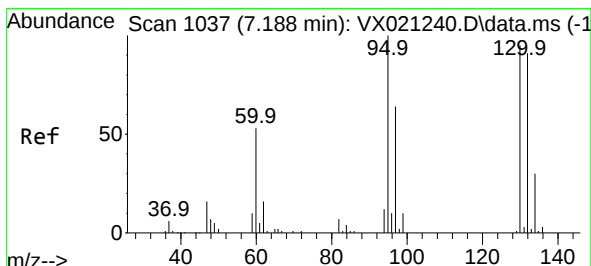
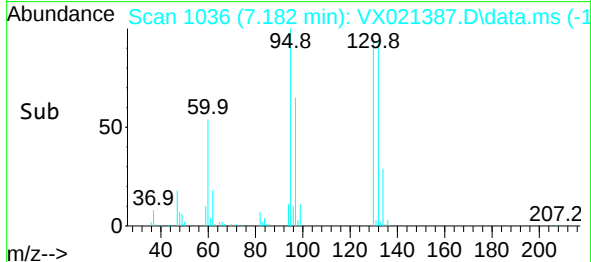
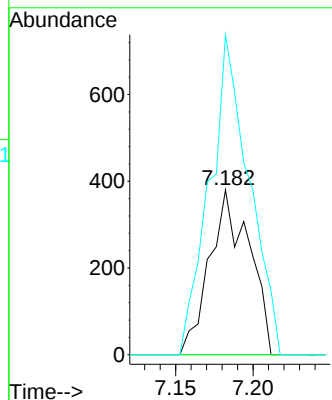


#39
Methylcyclohexane
Concen: 0.43 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.259 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Instrument :
MSVOA_X
ClientSampleId :

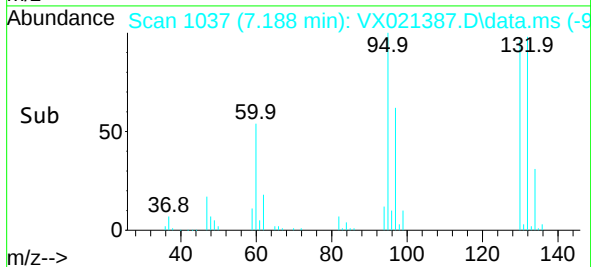
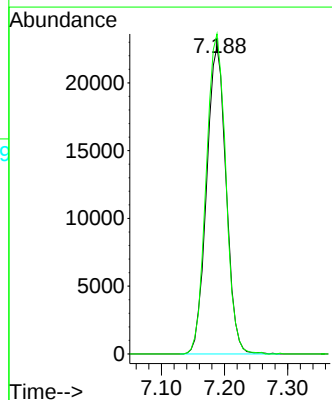
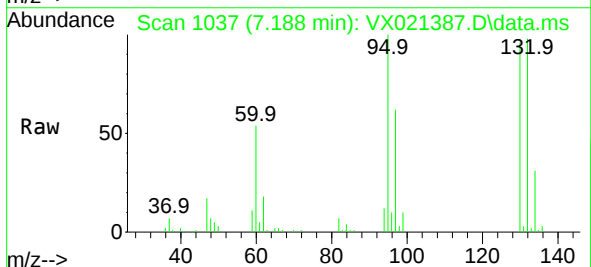


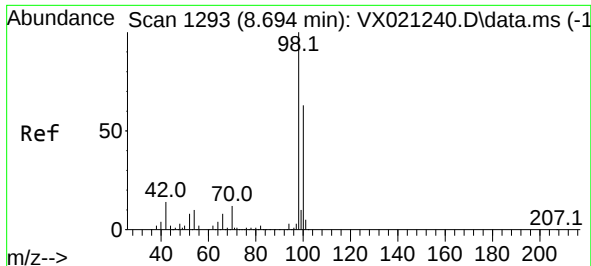
Tgt Ion: 83 Resp: 676
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 194.2 38.1 57.1#



#44
Trichloroethene
Concen: 47.36 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Tgt Ion:130 Resp: 48679
Ion Ratio Lower Upper
130 100
95 104.1 0.0 198.0

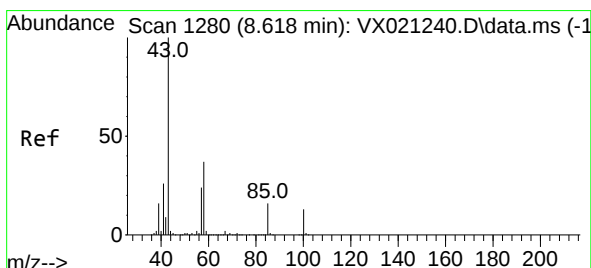
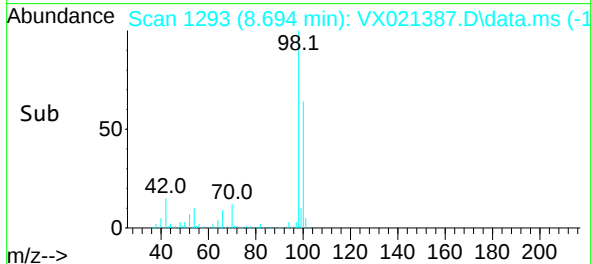
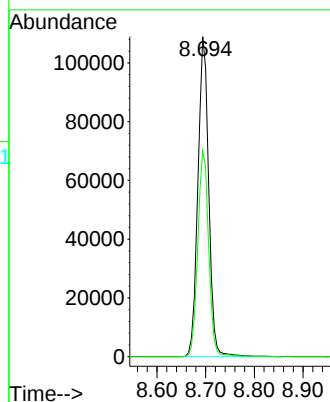
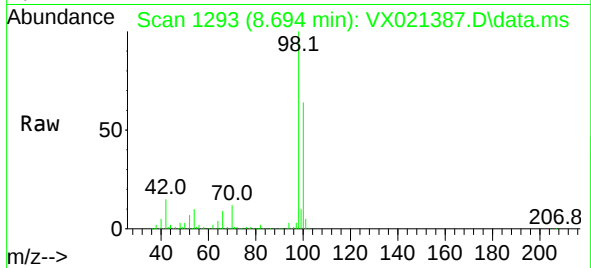




#50
Toluene-d8
Concen: 49.06 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

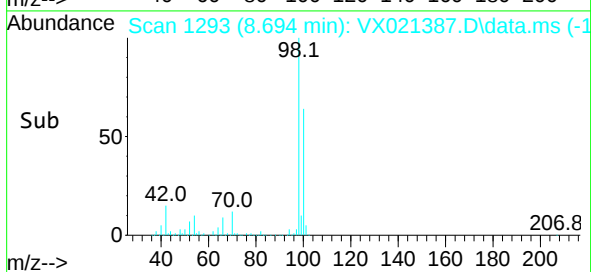
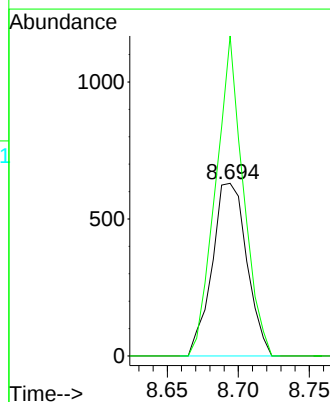
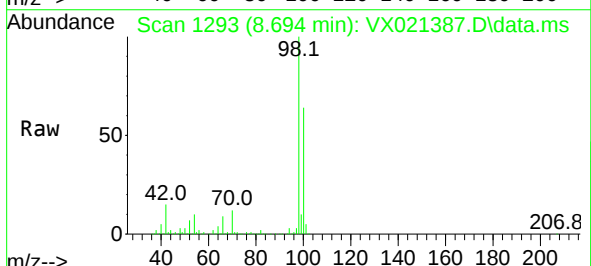
Instrument :
MSVOA_X
ClientSampled :

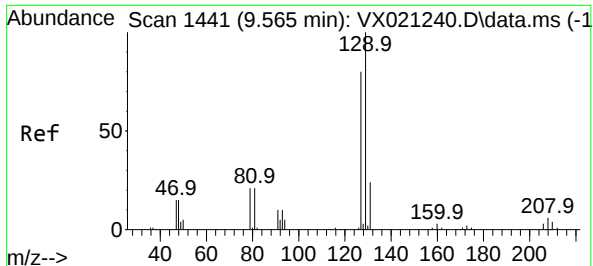
Tgt Ion: 98 Resp: 168772
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.69 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.076 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
58 147.3 35.4 53.0#

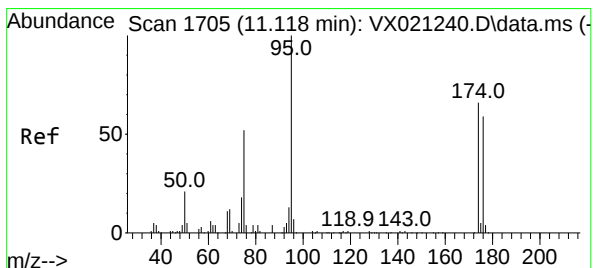
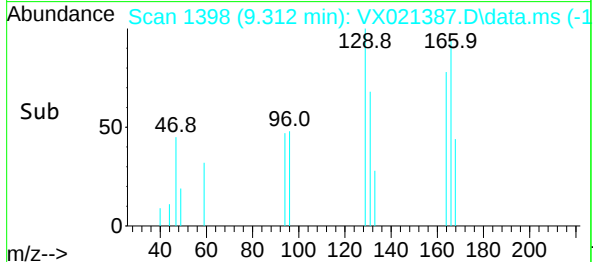
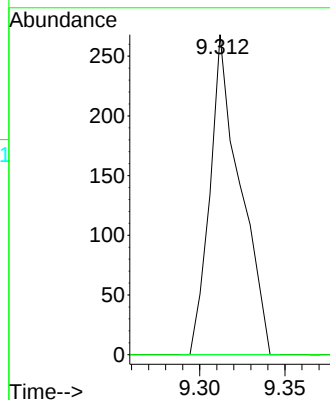
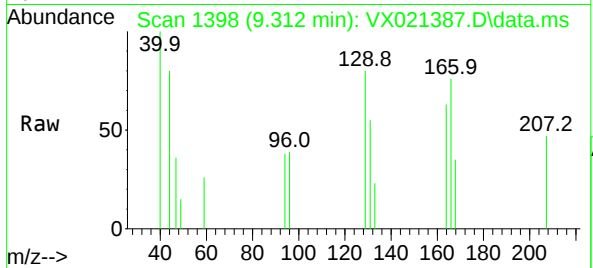




#60
Dibromochloromethane
Concen: 0.30 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.253 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

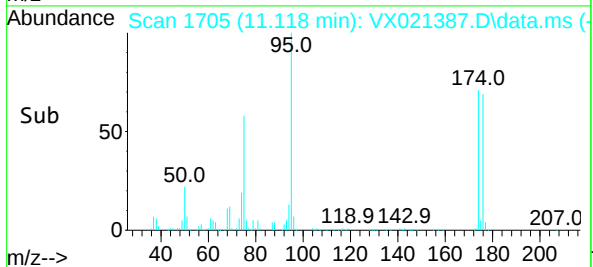
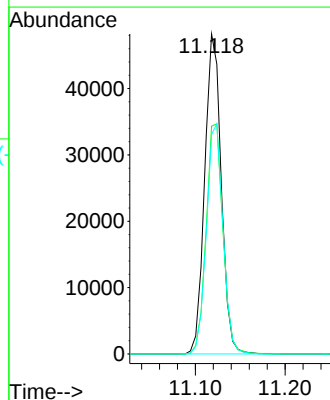
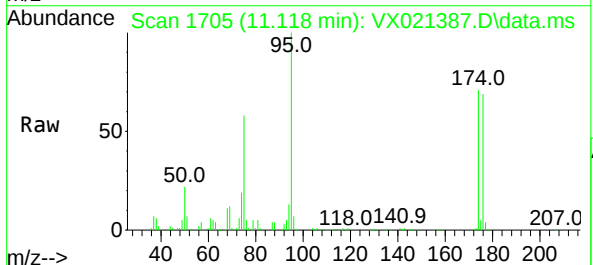
Instrument :
MSVOA_X
ClientSampleId :

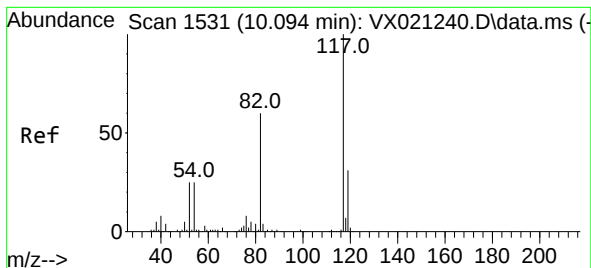
Tgt Ion:129 Resp: 331
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.15 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Tgt Ion: 95 Resp: 61659
Ion Ratio Lower Upper
95 100
174 73.3 0.0 154.6
176 72.0 0.0 155.8

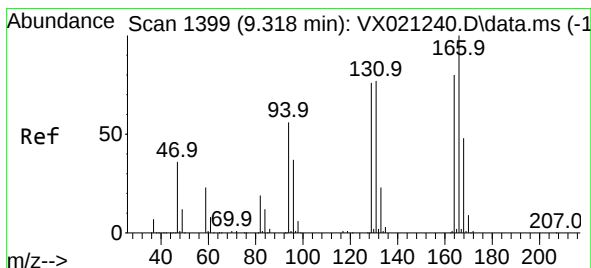
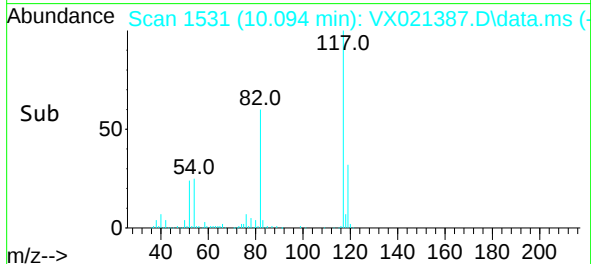
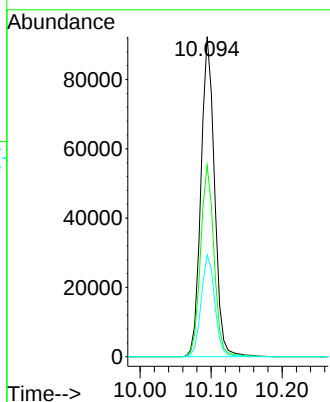
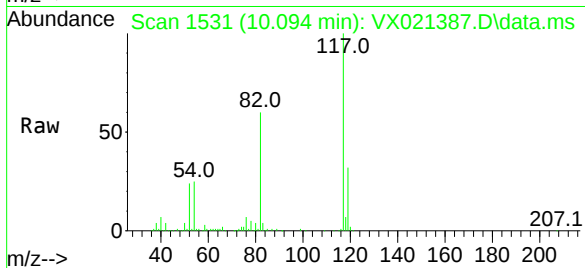




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

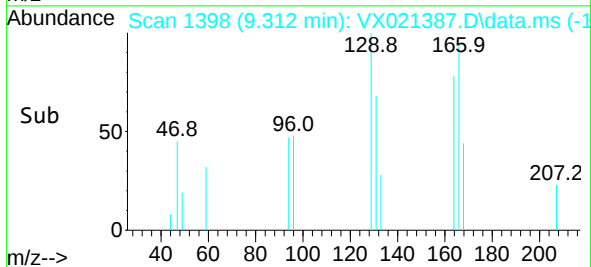
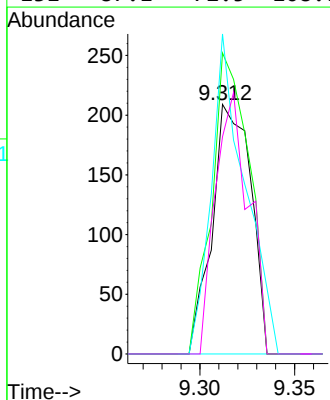
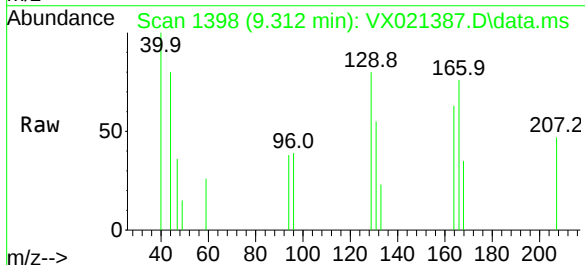
Instrument :
MSVOA_X
ClientSampled :

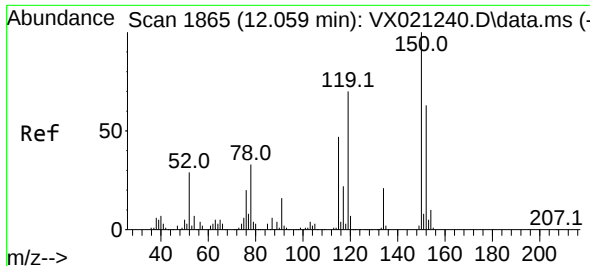
Tgt Ion:117 Resp: 123192
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.8 26.6 39.8



#64
Tetrachloroethene
Concen: 0.32 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

Tgt Ion:164 Resp: 297
Ion Ratio Lower Upper
164 100
166 120.6 103.4 155.2
129 128.2 70.8 106.2#
131 87.1 72.5 108.7

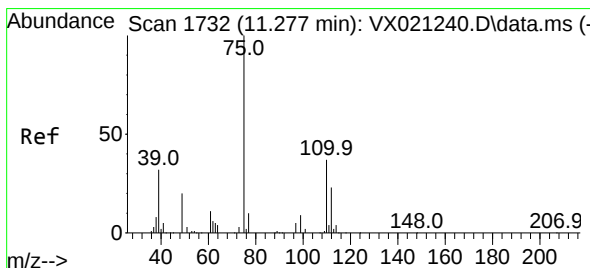
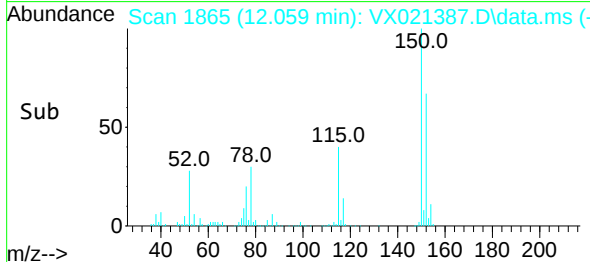
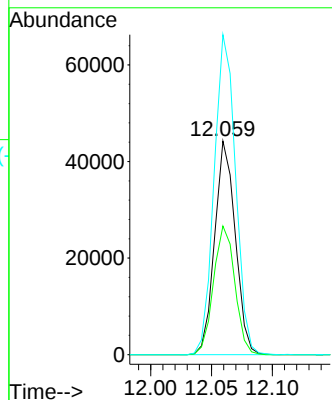
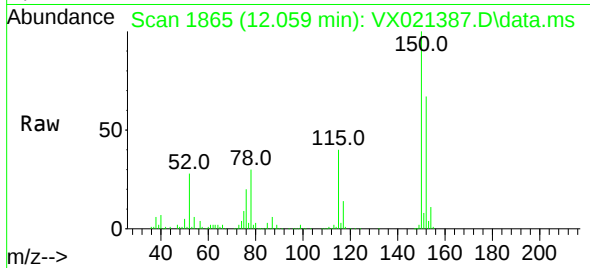




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

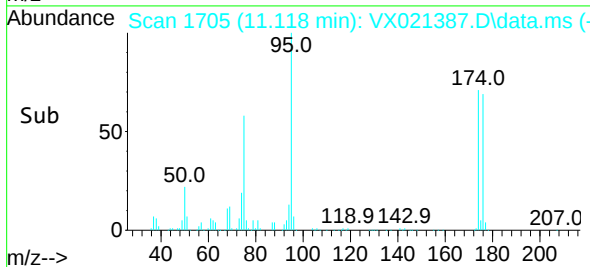
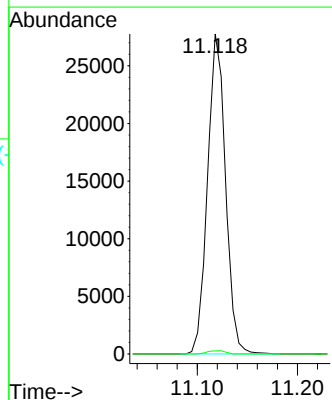
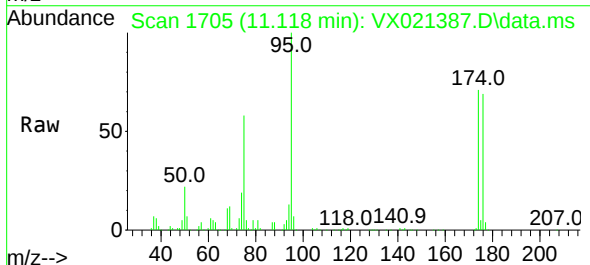
Instrument :
MSVOA_X
ClientSampled :

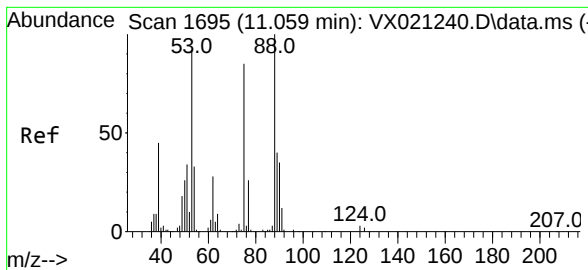
Tgt Ion:152 Resp: 52185
Ion Ratio Lower Upper
152 100
115 62.3 41.1 123.3
150 155.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.65 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021387.D
Acq: 23 Mar 2021 15:54

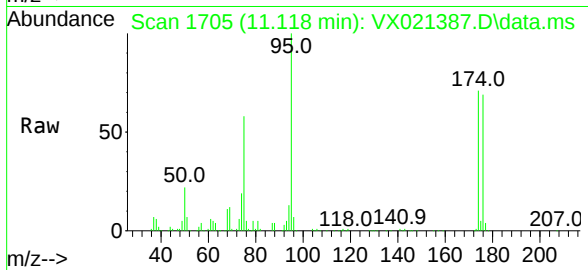
Tgt Ion: 75 Resp: 34685
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.79 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021387.D
 Acq: 23 Mar 2021 15:54

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 34685
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

