

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021569.D
 Acq On : 29 Mar 2021 12:09
 Operator : JC/MD
 Sample : M1787-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 03:25:38 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)

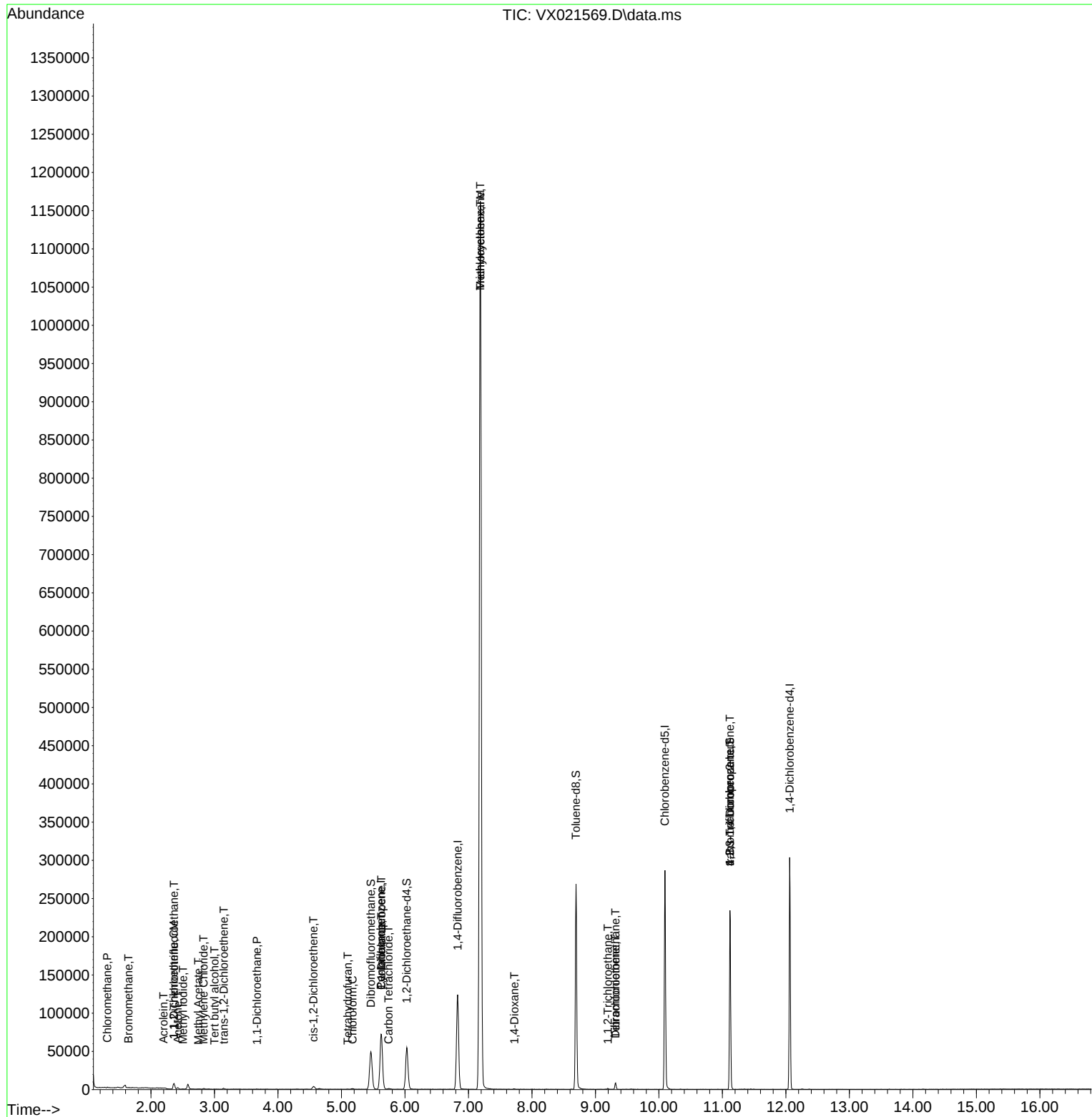
Internal Standards						
1) Pentafluorobenzene	5.623	168	63470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	114756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	120005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	53849	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	53601	50.76	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.52%	
35) Dibromofluoromethane	5.464	113	40662	49.88	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.76%	
50) Toluene-d8	8.694	98	148823	51.23	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.46%	
62) 4-Bromofluorobenzene	11.118	95	60223	53.33	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.66%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.311	50	1238	1.58	ug/l	95
5) Bromomethane	1.646	94	89	0.31	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.364	101	2346	3.59	ug/l	96
10) Methyl Iodide	2.505	142	21	6.68	ug/l #	42
11) Tert butyl alcohol	2.999	59	160	0.92	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	690	1.08	ug/l #	90
13) Acrolein	2.199	56	19	4.51	ug/l	91
16) Acetone	2.423	43	1691	4.23	ug/l	99
18) Methyl Acetate	2.746	43	418	0.36	ug/l #	47
20) Methylene Chloride	2.829	84	276	0.35	ug/l #	76
21) trans-1,2-Dichloroethene	3.146	96	368	0.52	ug/l	97
24) 1,1-Dichloroethane	3.670	63	305	0.22	ug/l #	81
27) cis-1,2-Dichloroethene	4.558	96	2110	2.59	ug/l	99
29) Tetrahydrofuran	5.099	42	112	0.29	ug/l #	27
30) Chloroform	5.176	83	794	0.55	ug/l	99
31) Cyclohexane	5.629	56	1690	1.46	ug/l #	39
36) 1,1-Dichloropropene	5.629	75	5603	4.98	ug/l #	49
38) Carbon Tetrachloride	5.741	117	396	0.33	ug/l #	84
39) Methylcyclohexane	7.188	83	5611	4.50	ug/l #	1
44) Trichloroethene	7.188	130	410479	487.16	ug/l	97
49) 1,4-Dioxane	7.723	88	309	15.33	ug/l #	60
55) 1,1,2-Trichloroethane	9.194	97	263	0.32	ug/l #	86
60) Dibromochloromethane	9.318	129	1358	1.46	ug/l #	11
64) Tetrachloroethene	9.318	164	1466	1.82	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	33704	26.89	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	33704	81.89	ug/l #	12

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

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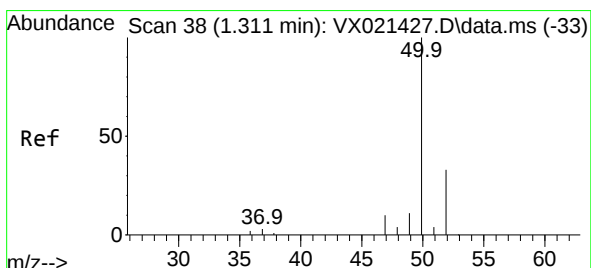
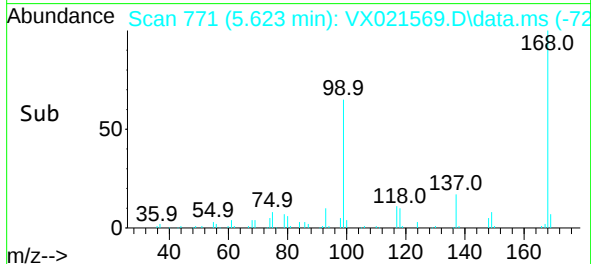
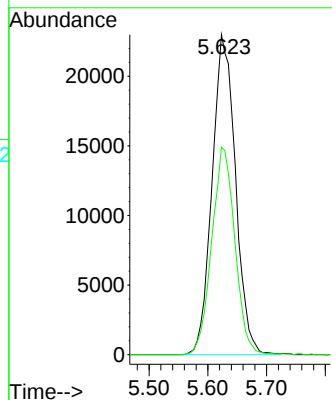
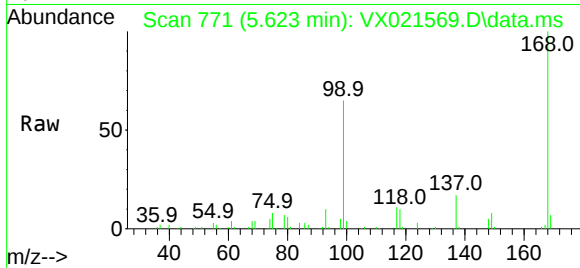




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

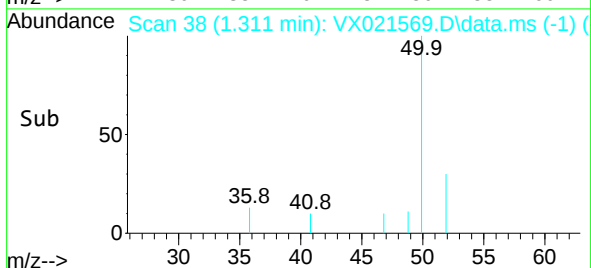
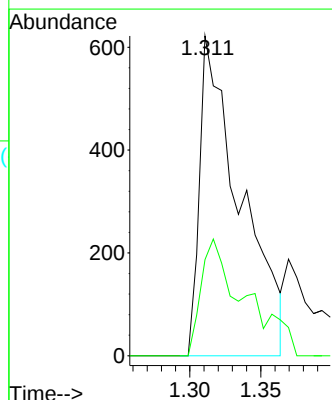
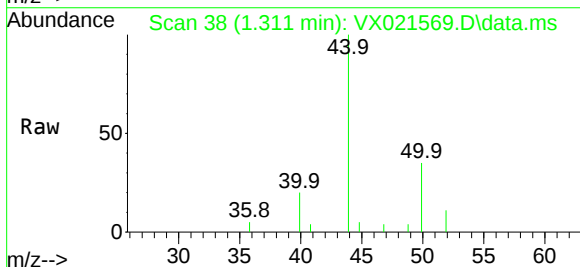
Instrument :
MSVOA_X
ClientSampleId :

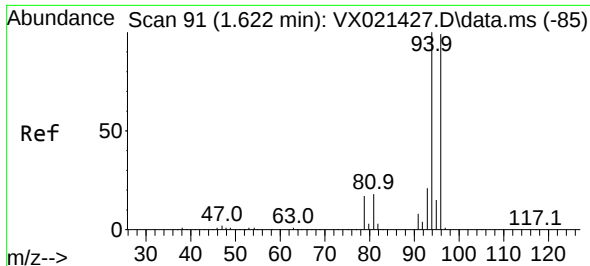
Tgt Ion:168 Resp: 63470
Ion Ratio Lower Upper
168 100
99 64.9 45.8 68.6



#3
Chloromethane
Concen: 1.58 ug/l
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Tgt Ion: 50 Resp: 1238
Ion Ratio Lower Upper
50 100
52 30.1 26.4 39.6

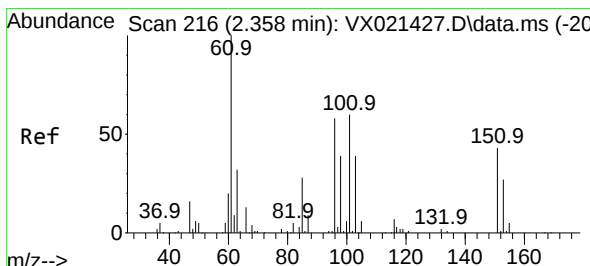
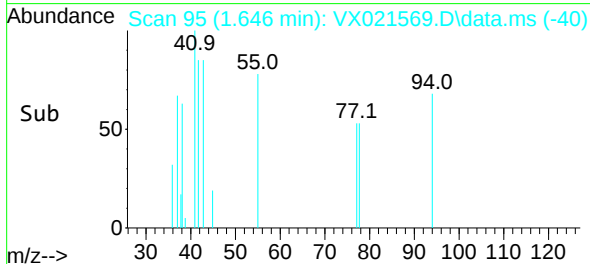
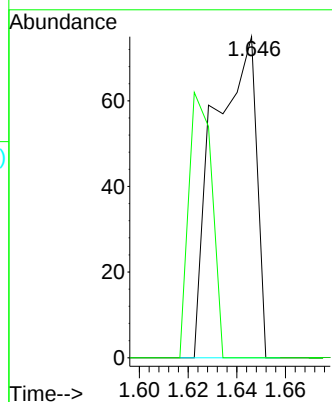
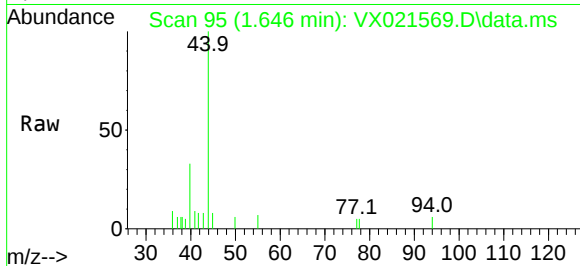




#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.646 min Scan# 95
Delta R.T. 0.024 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

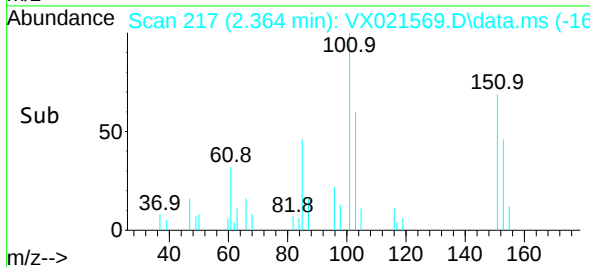
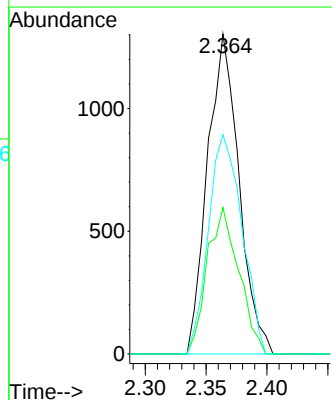
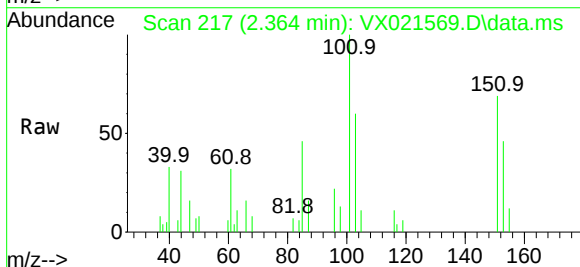
Instrument :
MSVOA_X
ClientSampled :

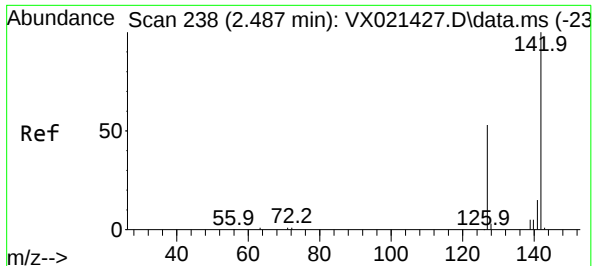
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.59 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Tgt Ion: 101 Resp: 2346
Ion Ratio Lower Upper
101 100
85 46.0 34.9 52.3
151 73.1 61.4 92.2

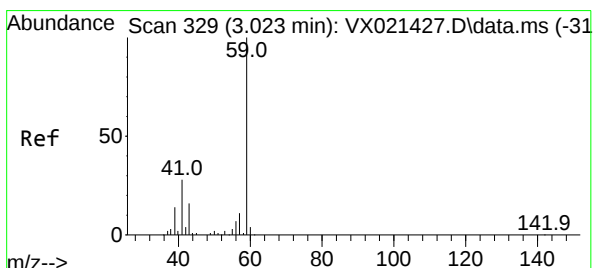
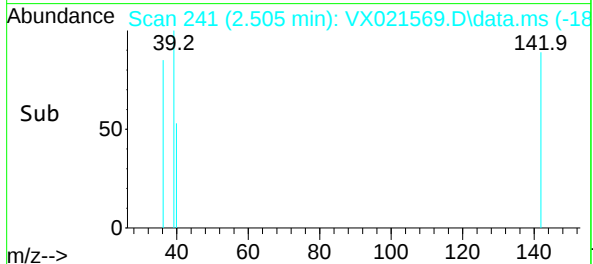
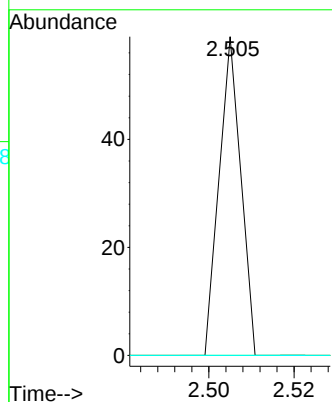
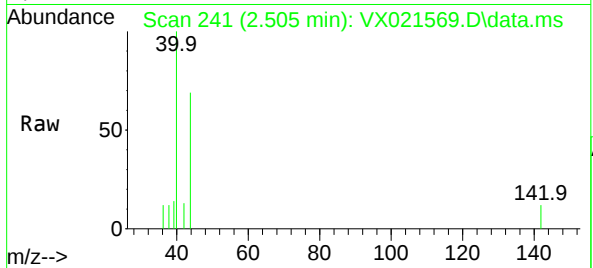




#10
Methyl Iodide
Concen: 6.68 ug/l
RT: 2.505 min Scan# 241
Delta R.T. 0.018 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

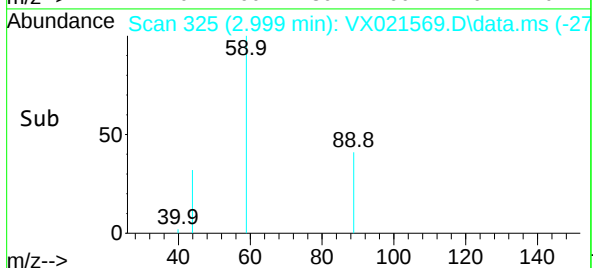
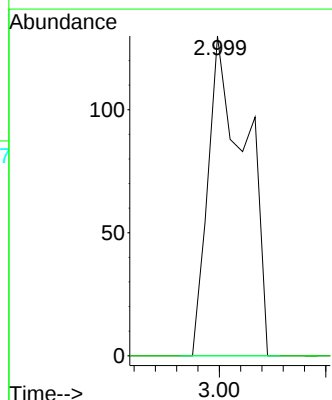
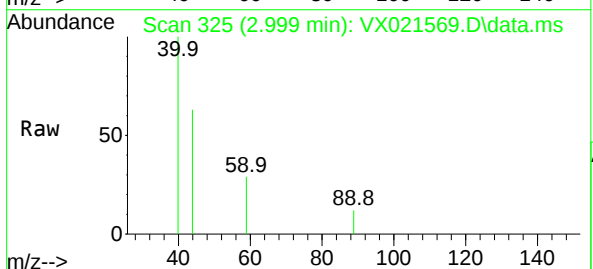
Instrument :
MSVOA_X
ClientSampled :

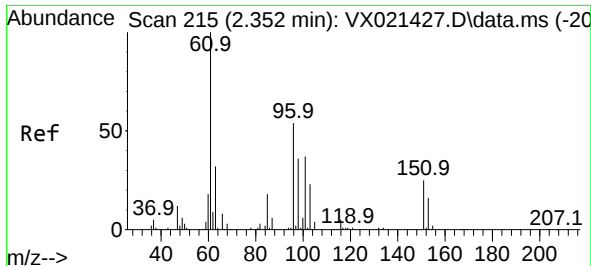
Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.92 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.024 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.08 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX021569.D

Acq: 29 Mar 2021 12:09

Tgt Ion: 96 Resp: 690

Ion Ratio Lower Upper

96 100

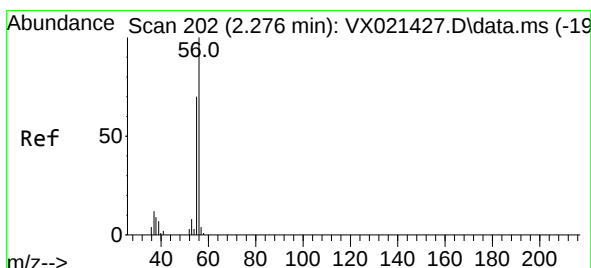
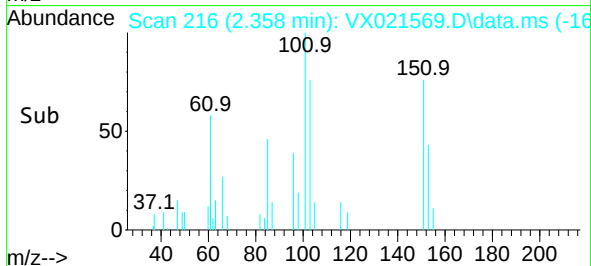
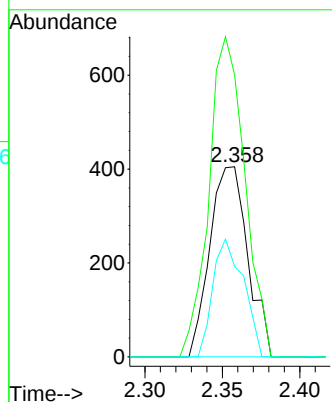
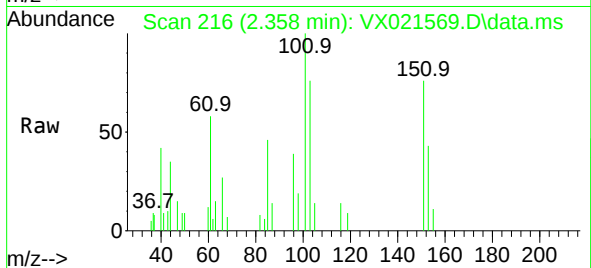
61 148.4 124.6 187.0

98 47.7 50.6 76.0#

Instrument :

MSVOA_X

ClientSampled :



#13

Acrolein

Concen: 4.51 ug/l

RT: 2.199 min Scan# 189

Delta R.T. -0.077 min

Lab File: VX021569.D

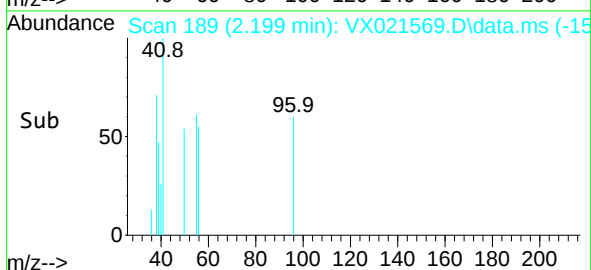
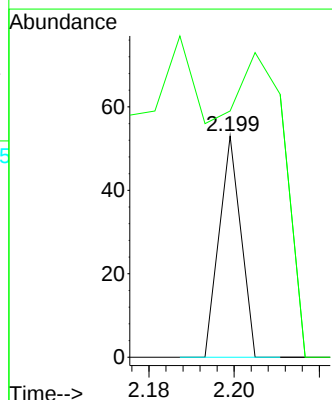
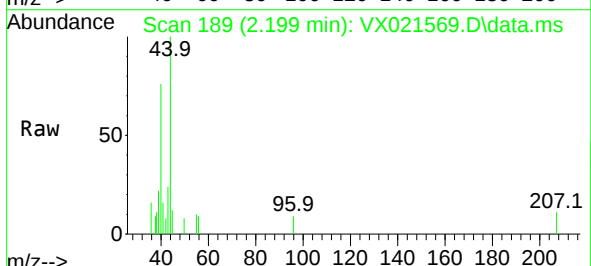
Acq: 29 Mar 2021 12:09

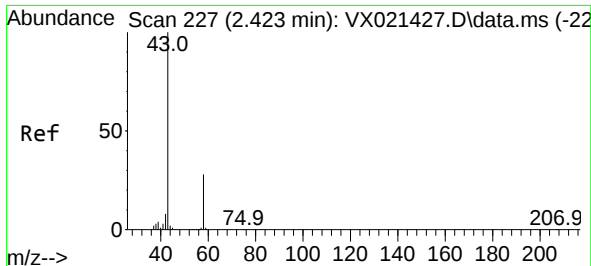
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 63.2 56.4 84.6

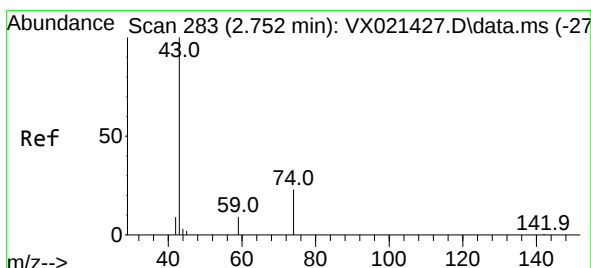
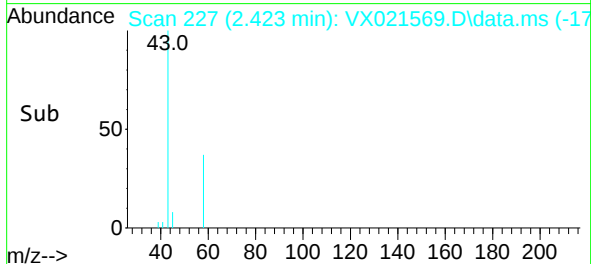
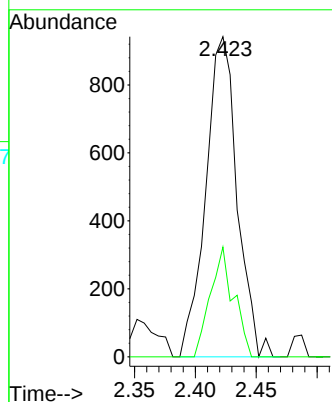
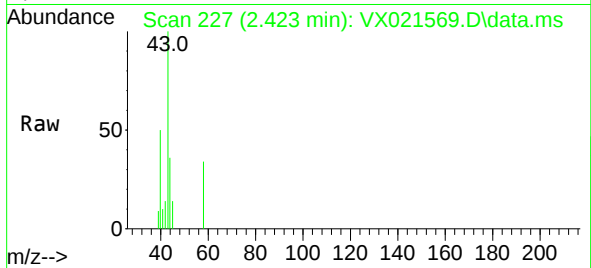




#16
Acetone
Concen: 4.23 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

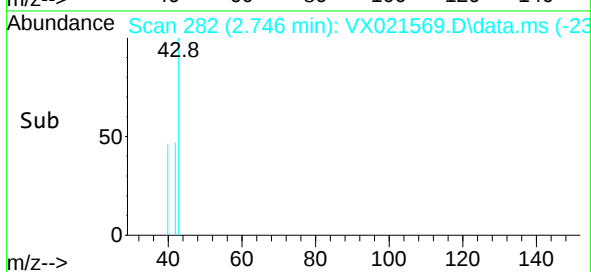
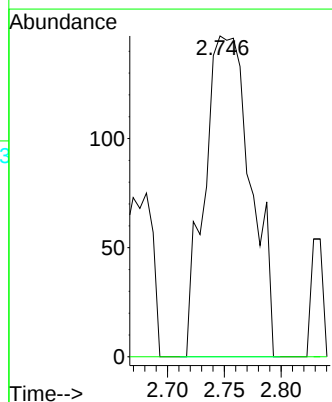
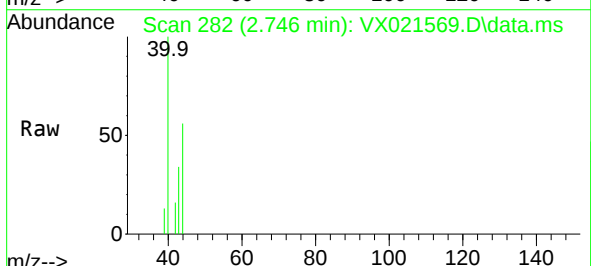
Instrument :
MSVOA_X
ClientSampled :

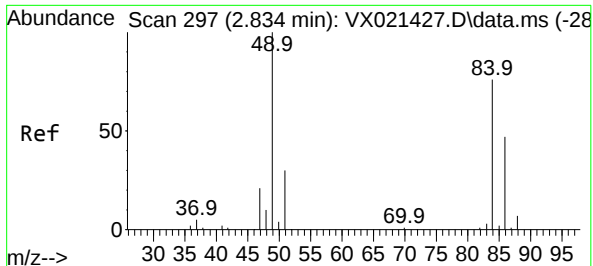
Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 34.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.36 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.35 ug/l

RT: 2.829 min Scan# 296

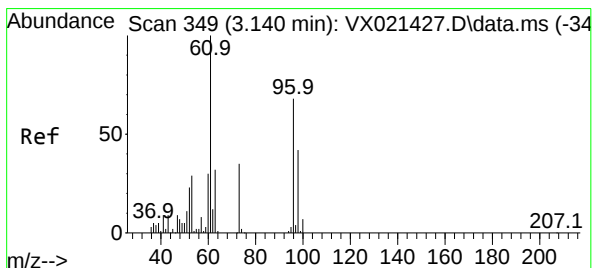
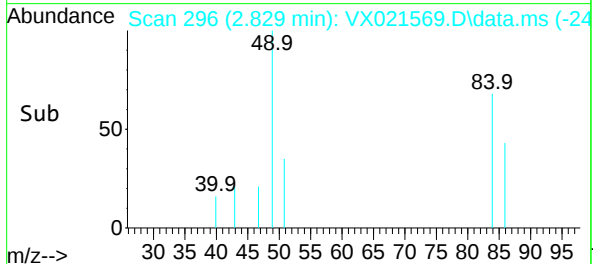
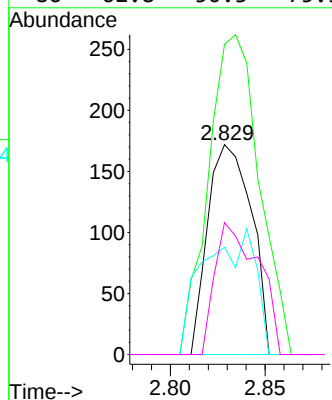
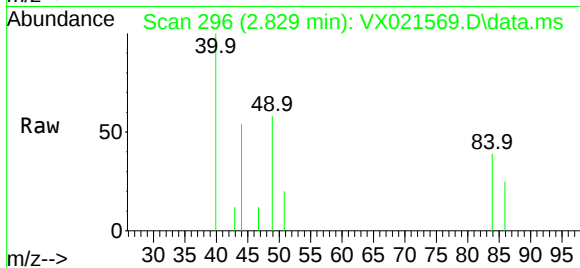
Delta R.T. -0.005 min

Lab File: VX021569.D

Acq: 29 Mar 2021 12:09

Tgt Ion: 84 Resp: 276

Ion	Ratio	Lower	Upper
84	100		
49	147.7	88.6	132.8#
51	51.2	27.0	40.6#
86	62.8	50.3	75.5



#21

trans-1,2-Dichloroethene

Concen: 0.52 ug/l

RT: 3.146 min Scan# 350

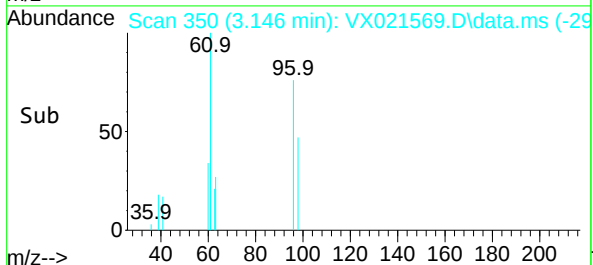
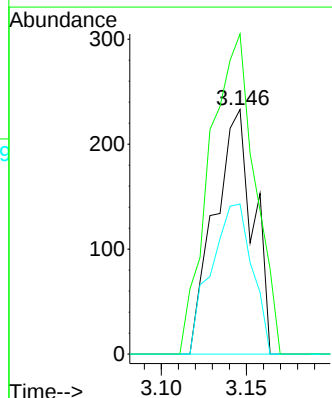
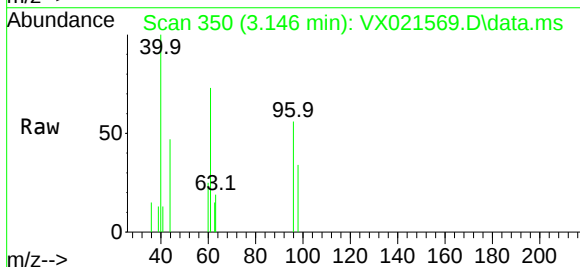
Delta R.T. 0.006 min

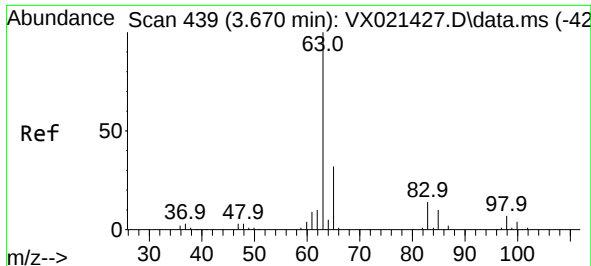
Lab File: VX021569.D

Acq: 29 Mar 2021 12:09

Tgt Ion: 96 Resp: 368

Ion	Ratio	Lower	Upper
96	100		
61	130.9	107.7	161.5
98	61.4	50.4	75.6

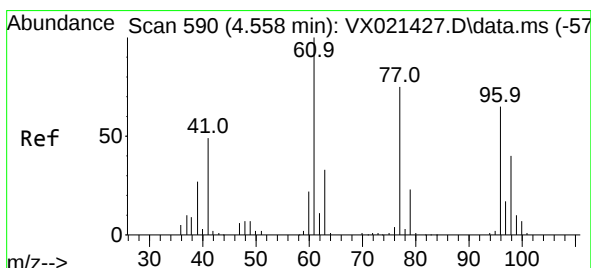
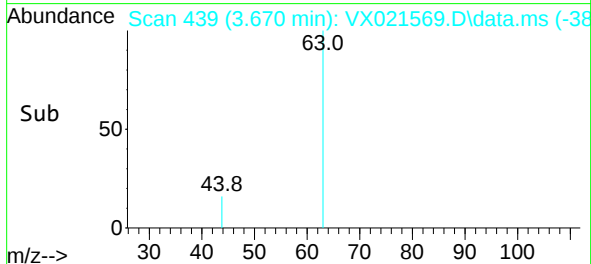
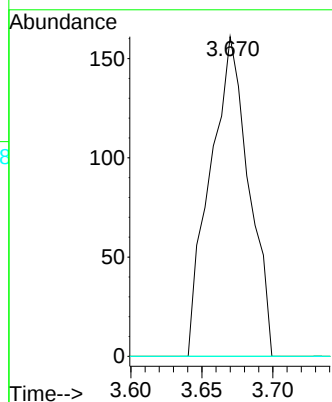
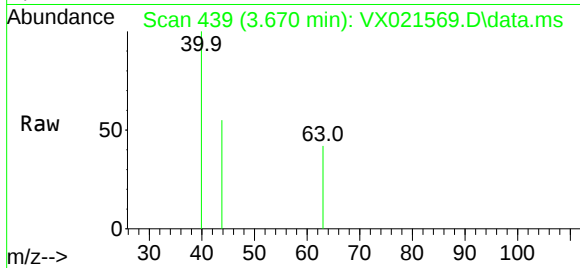




#24
1,1-Dichloroethane
Concen: 0.22 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

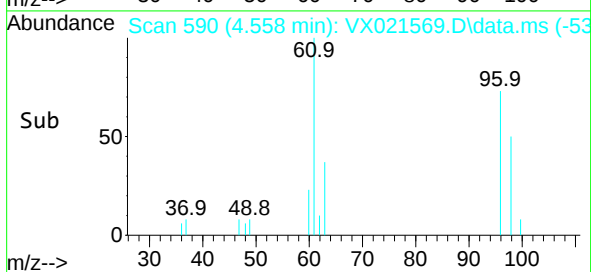
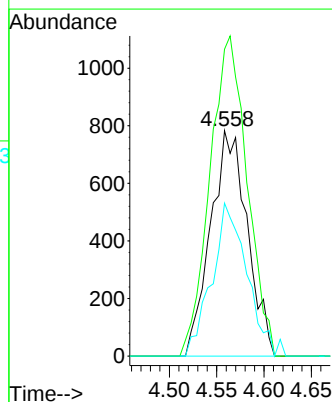
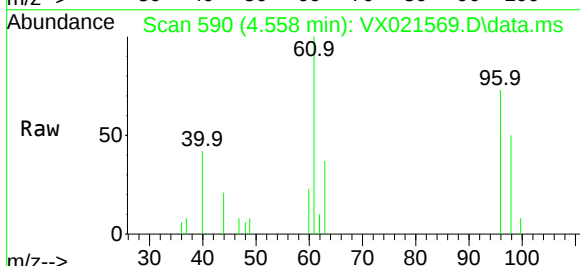
Instrument :
MSVOA_X
ClientSampled :

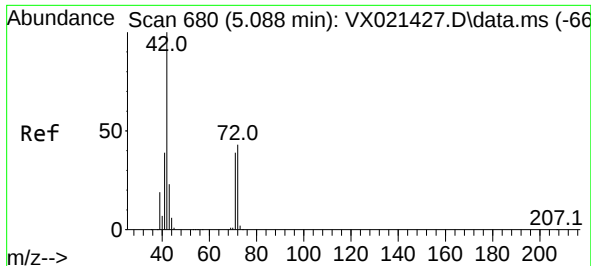
Tgt Ion: 63 Resp: 305
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.59 ug/l
RT: 4.558 min Scan# 590
Delta R.T. 0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Tgt Ion: 96 Resp: 2110
Ion Ratio Lower Upper
96 100
61 144.2 0.0 285.6
98 65.0 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.099 min Scan# 682

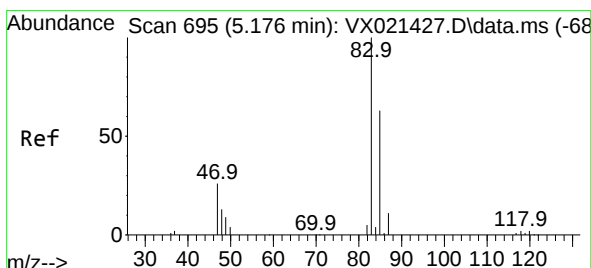
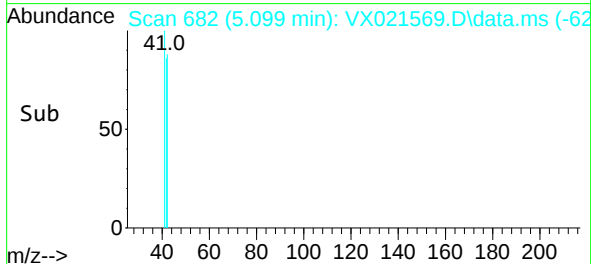
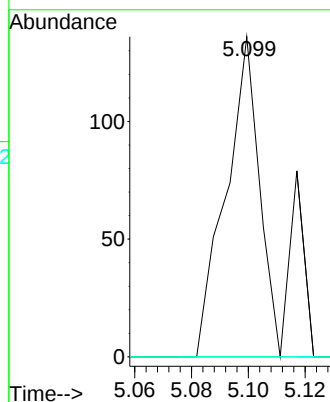
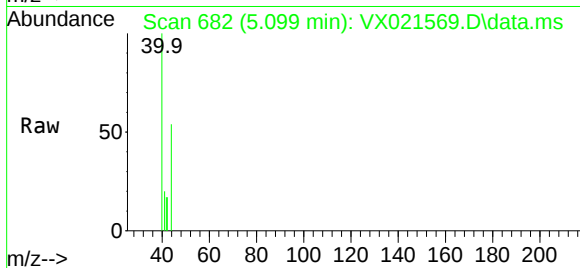
Delta R.T. 0.011 min

Lab File: VX021569.D

Acq: 29 Mar 2021 12:09

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 42	Resp: 112
Ion Ratio	Lower Upper
42 100	
72 0.0	41.7 62.5#
71 0.0	38.4 57.6#



#30

Chloroform

Concen: 0.55 ug/l

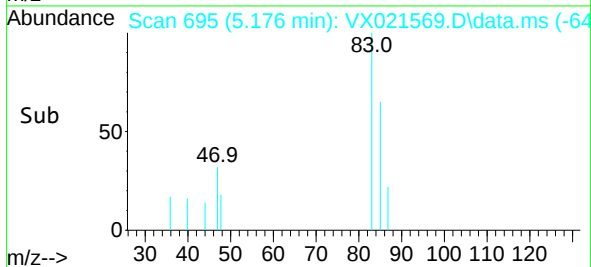
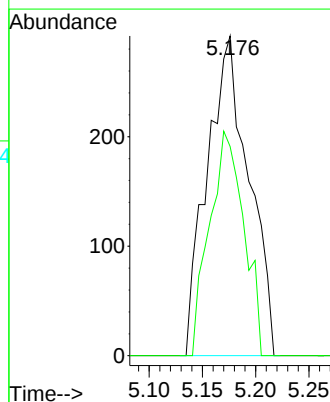
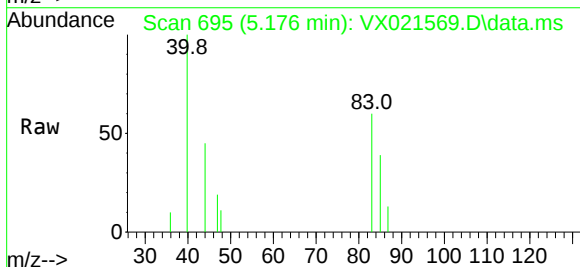
RT: 5.176 min Scan# 695

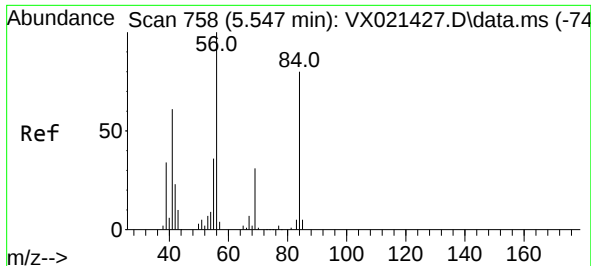
Delta R.T. -0.000 min

Lab File: VX021569.D

Acq: 29 Mar 2021 12:09

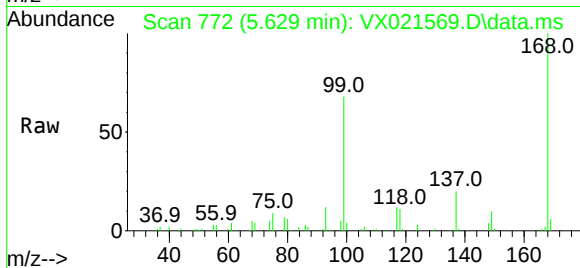
Tgt Ion: 83	Resp: 794
Ion Ratio	Lower Upper
83 100	
85 65.4	52.0 78.0



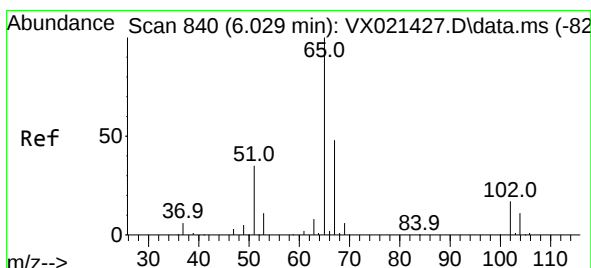
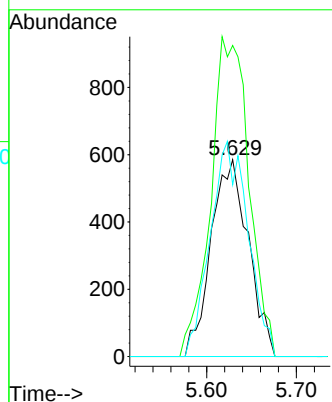
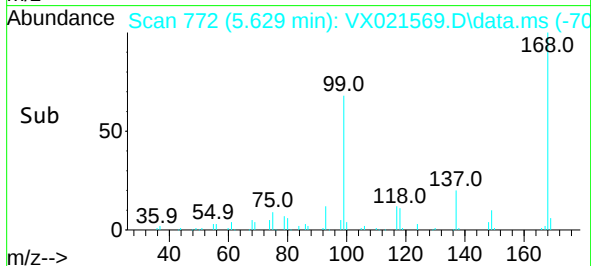


#31
Cyclohexane
Concen: 1.46 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

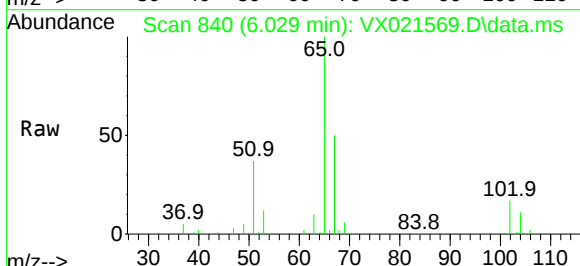
Instrument :
MSVOA_X
ClientSampled :



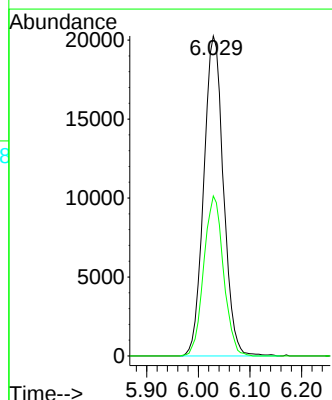
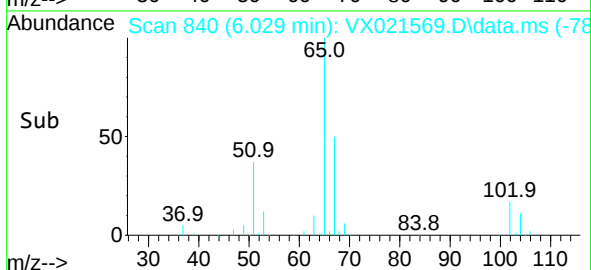
Tgt Ion: 56 Resp: 1690
Ion Ratio Lower Upper
56 100
69 158.1 25.3 37.9#
84 87.4 71.4 107.0

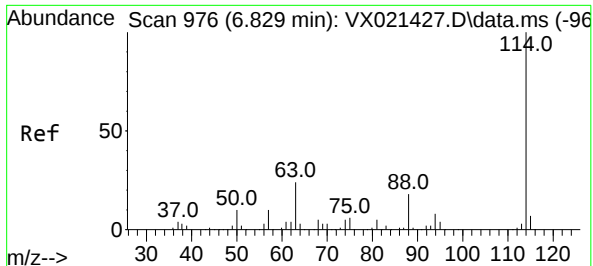


#33
1,2-Dichloroethane-d4
Concen: 50.76 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09



Tgt Ion: 65 Resp: 53601
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

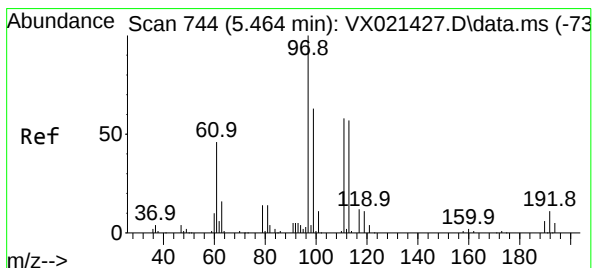
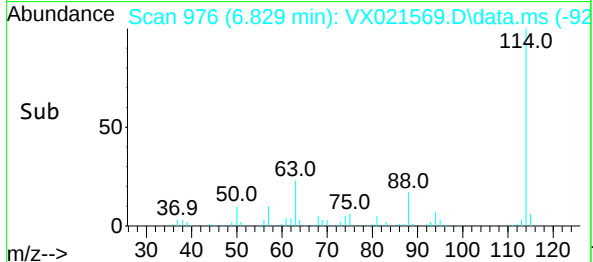
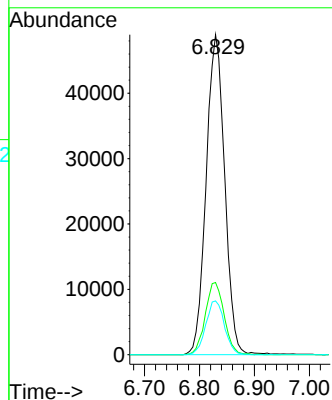
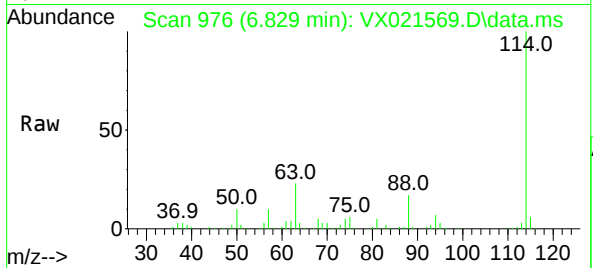




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

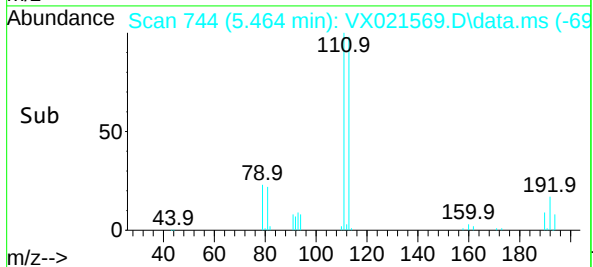
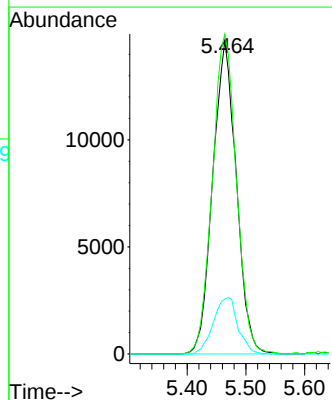
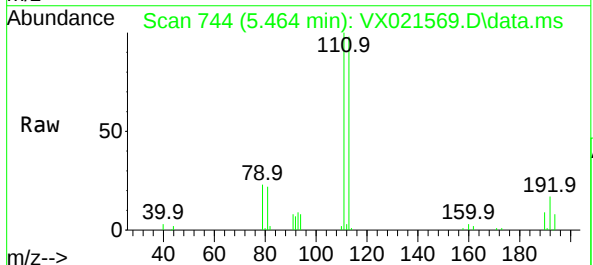
Instrument :
MSVOA_X
ClientSampled :

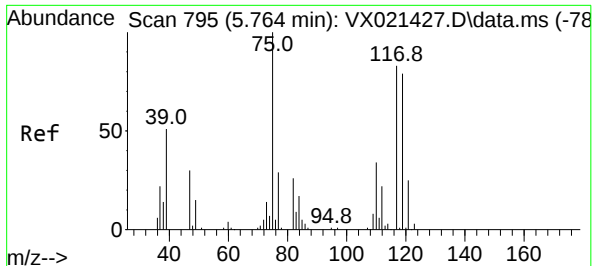
Tgt Ion:114 Resp: 114756
Ion Ratio Lower Upper
114 100
63 22.5 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.88 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

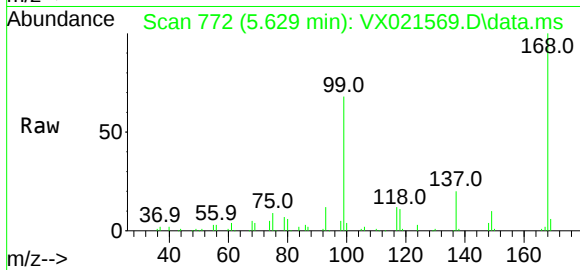
Tgt Ion:113 Resp: 40662
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 18.7 16.7 25.1



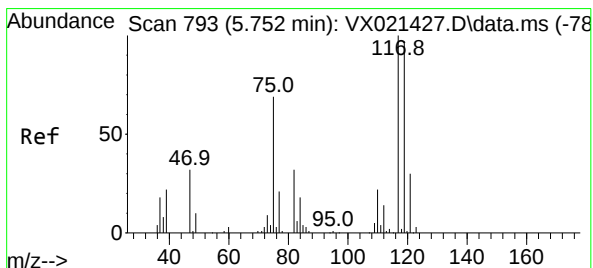
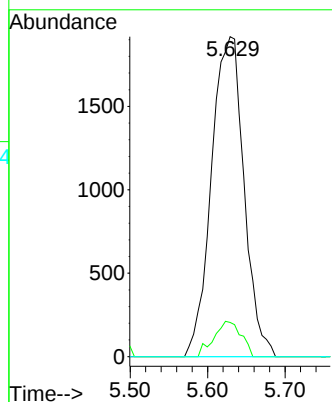
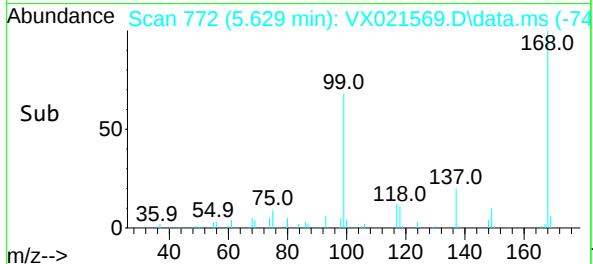


#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

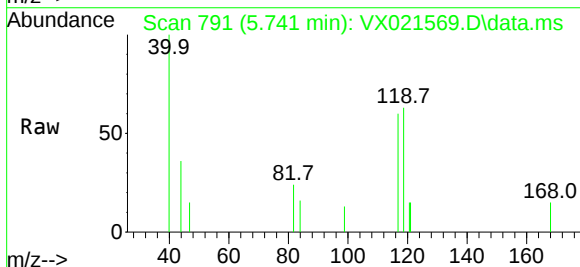
Instrument :
MSVOA_X
ClientSampled :



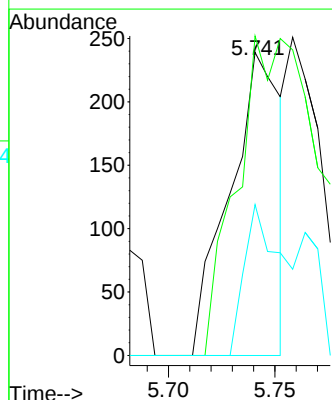
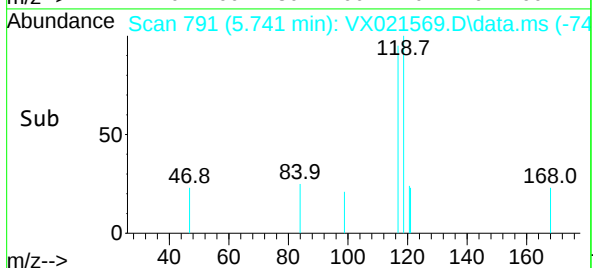
Tgt Ion: 75 Resp: 5603
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#

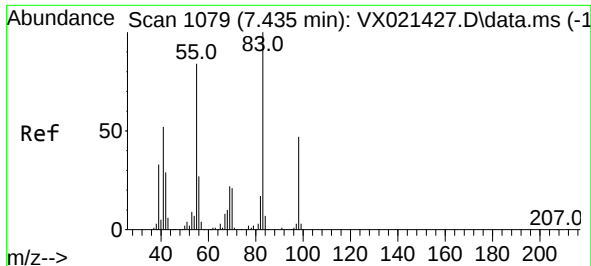


#38
Carbon Tetrachloride
Concen: 0.33 ug/l
RT: 5.741 min Scan# 791
Delta R.T. -0.011 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09



Tgt Ion: 117 Resp: 396
Ion Ratio Lower Upper
117 100
119 105.4 76.2 114.2
121 49.8 24.8 37.2#





#39

Methylcyclohexane

Concen: 4.50 ug/l

RT: 7.188 min Scan# 1037

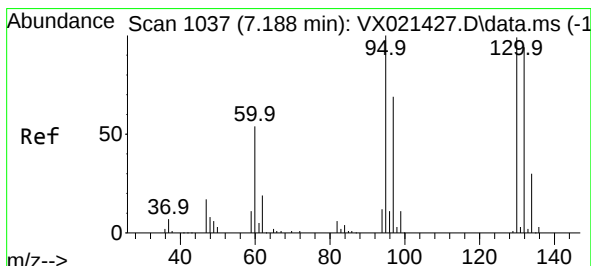
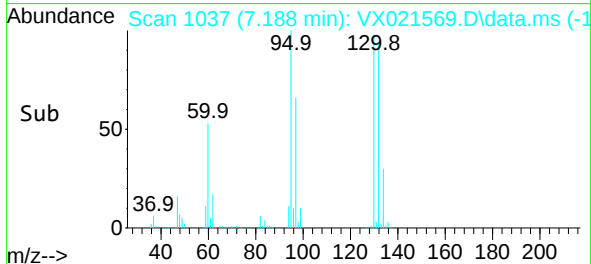
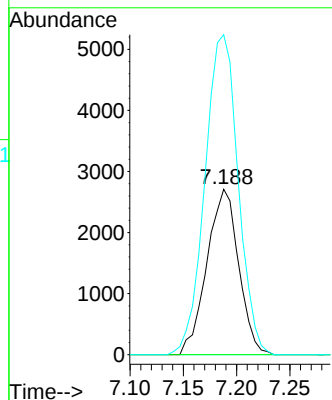
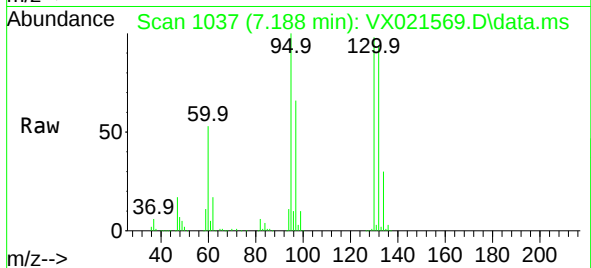
Delta R.T. -0.247 min

Lab File: VX021569.D

Acq: 29 Mar 2021 12:09

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 83	Resp: 5611
Ion Ratio	Lower Upper
83 100	
55 0.0	58.9 88.3#
98 193.4	38.1 57.1#



#44

Trichloroethene

Concen: 487.16 ug/l

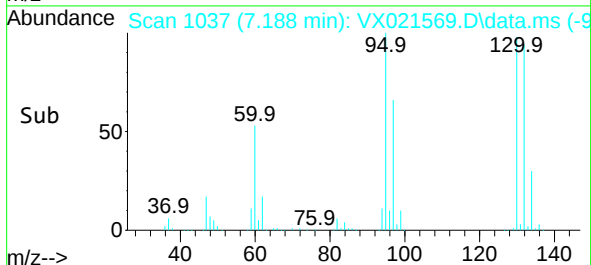
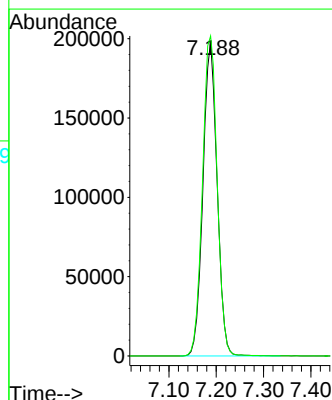
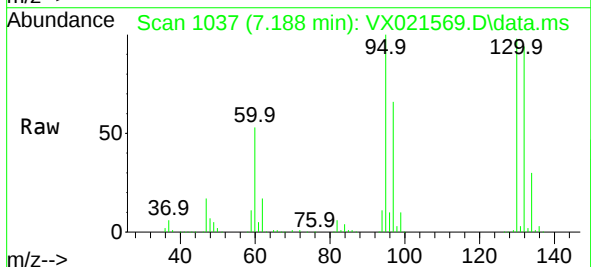
RT: 7.188 min Scan# 1037

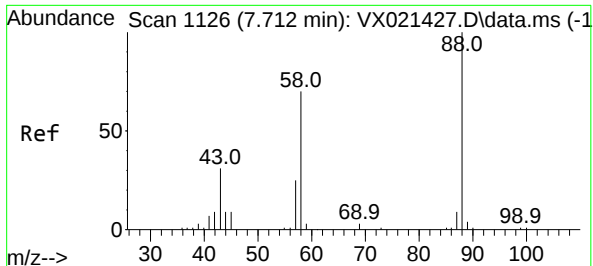
Delta R.T. -0.000 min

Lab File: VX021569.D

Acq: 29 Mar 2021 12:09

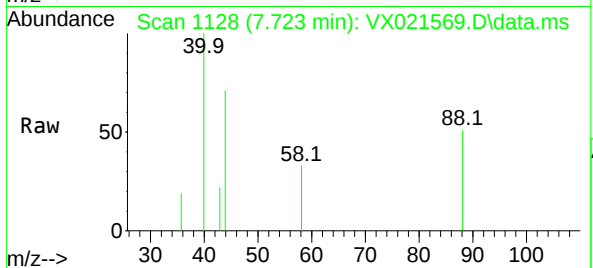
Tgt Ion: 130	Resp: 410479
Ion Ratio	Lower Upper
130 100	
95 101.7	0.0 198.0



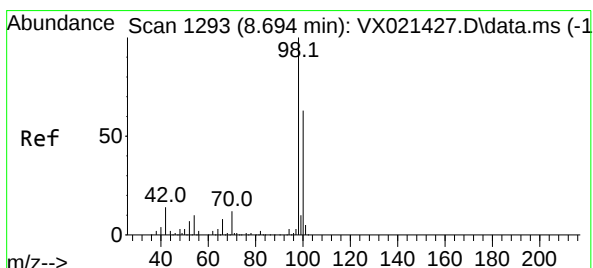
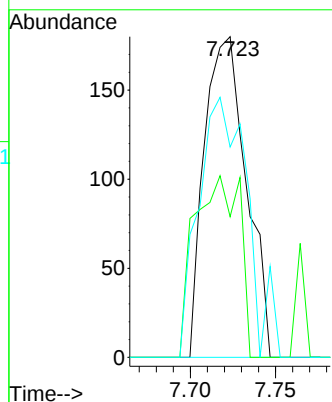
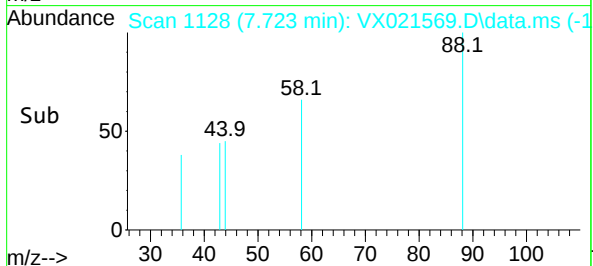


#49
1,4-Dioxane
Concen: 15.33 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

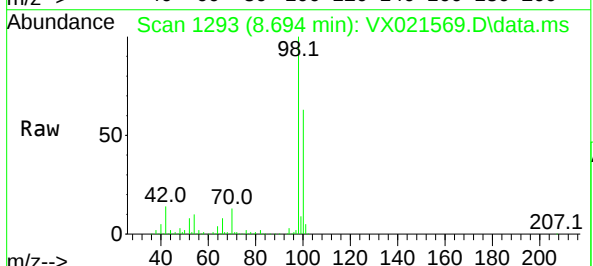
Instrument :
MSVOA_X
ClientSampled :



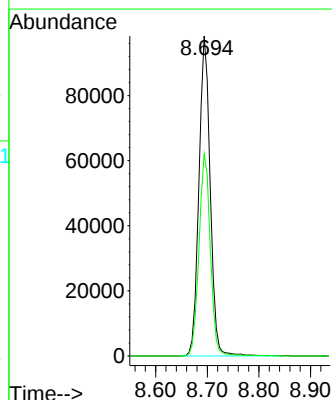
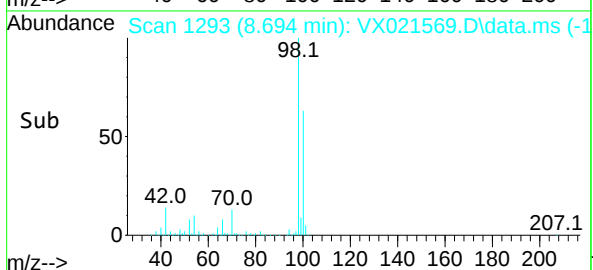
Tgt Ion: 88 Resp: 309
Ion Ratio Lower Upper
88 100
43 60.5 23.2 34.8#
58 94.2 55.0 82.4#

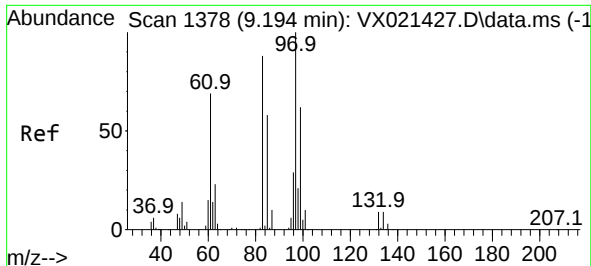


#50
Toluene-d8
Concen: 51.23 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09



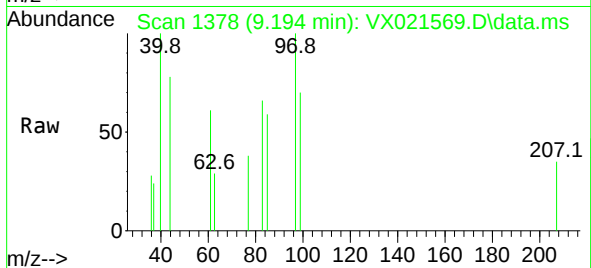
Tgt Ion: 98 Resp: 148823
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



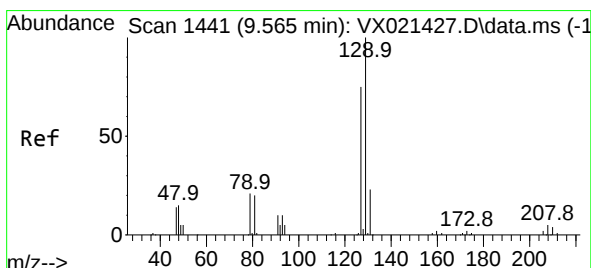
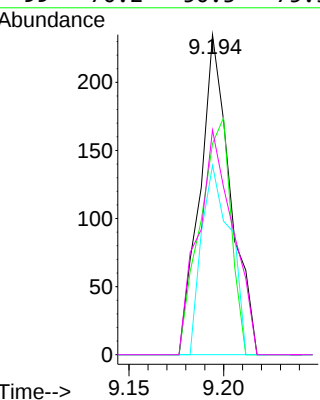
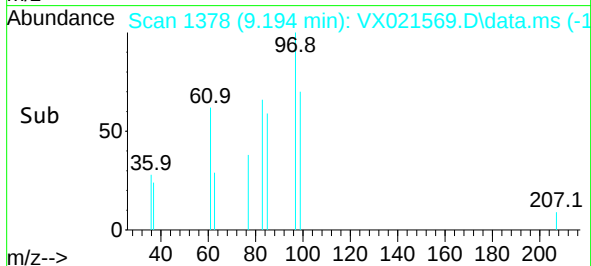


#55
1,1,2-Trichloroethane
Concen: 0.32 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

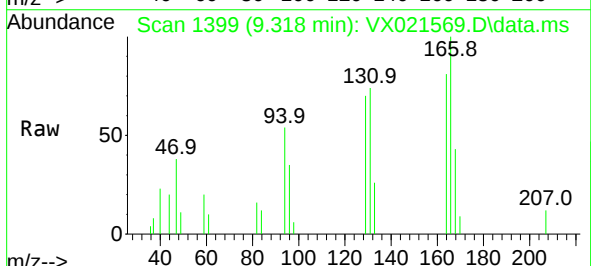
Instrument :
MSVOA_X
ClientSampleId :



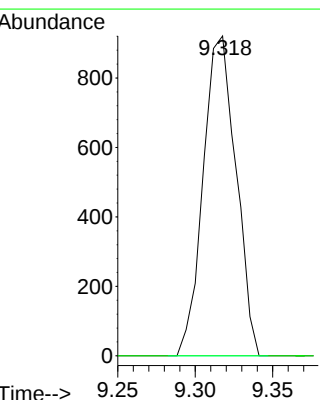
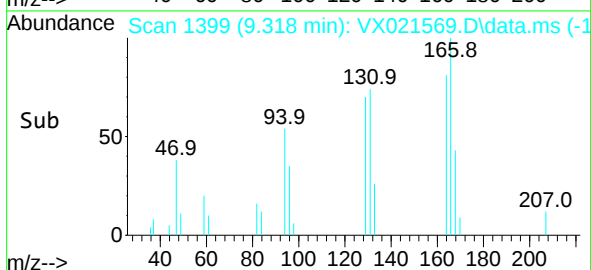
Tgt Ion: 97	Resp: 263
Ion Ratio	Lower Upper
97 100	
83 66.0	69.3 103.9#
85 59.1	44.3 66.5
99 70.2	50.3 75.5

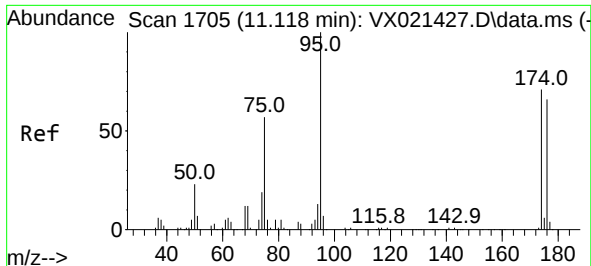


#60
Dibromochloromethane
Concen: 1.46 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09



Tgt Ion: 129	Resp: 1358
Ion Ratio	Lower Upper
129 100	
127 0.0	38.4 115.2#

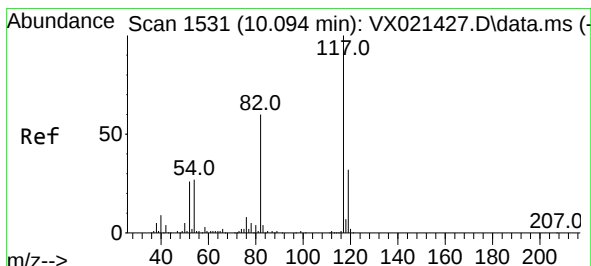
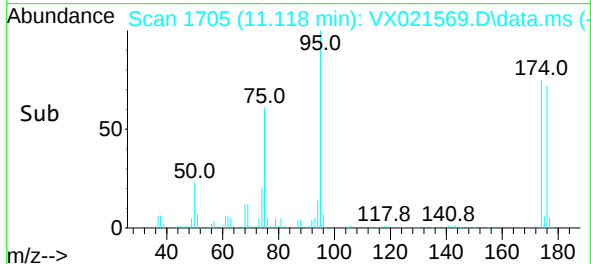
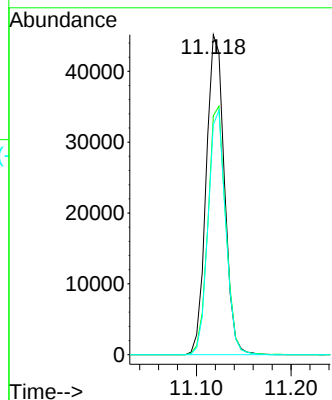
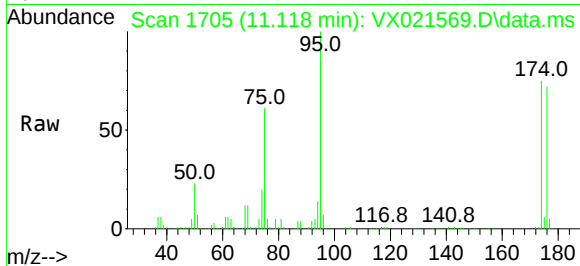




#62
4-Bromofluorobenzene
Concen: 53.33 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

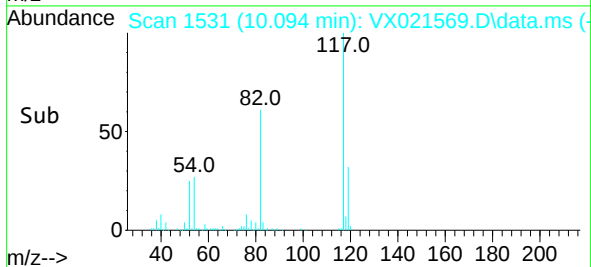
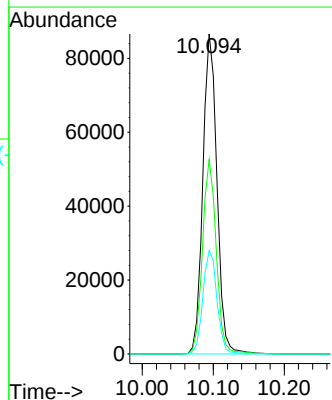
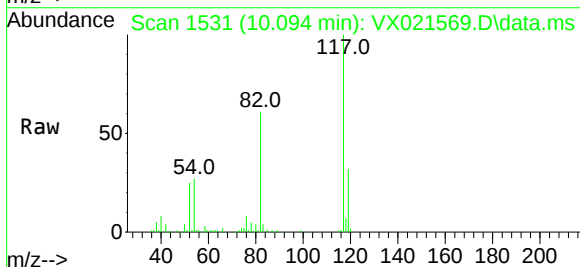
Instrument :
MSVOA_X
ClientSampled :

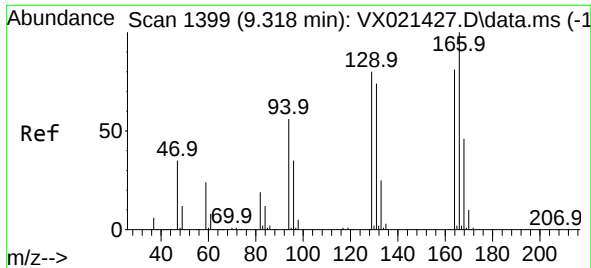
Tgt Ion: 95 Resp: 60223
Ion Ratio Lower Upper
95 100
174 75.6 0.0 154.6
176 73.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

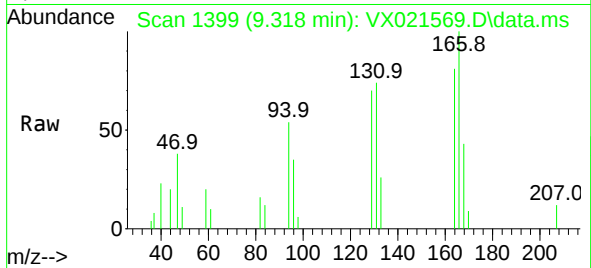
Tgt Ion: 117 Resp: 120005
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 32.3 26.6 39.8



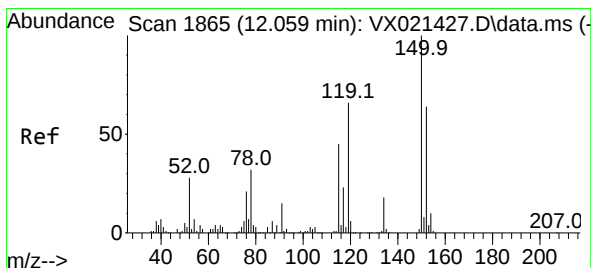
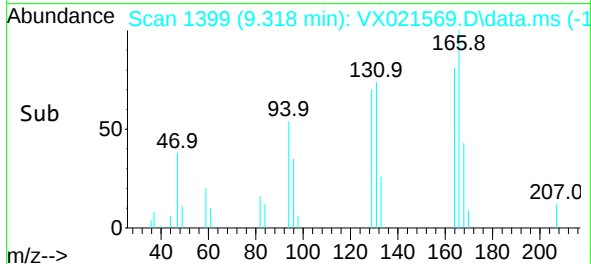
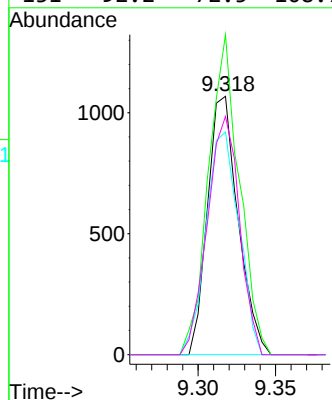


#64
Tetrachloroethene
Concen: 1.82 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Instrument :
MSVOA_X
ClientSampleId :

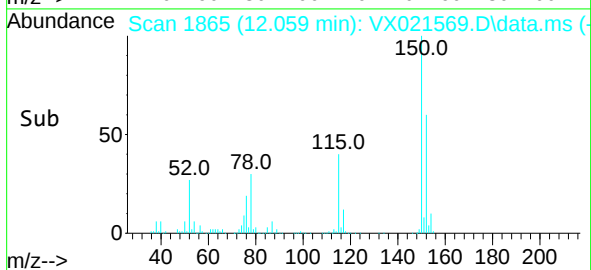
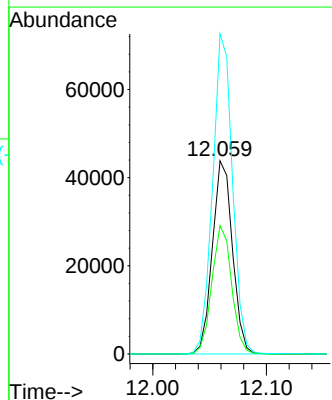
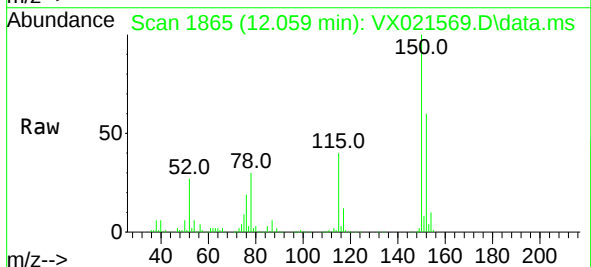


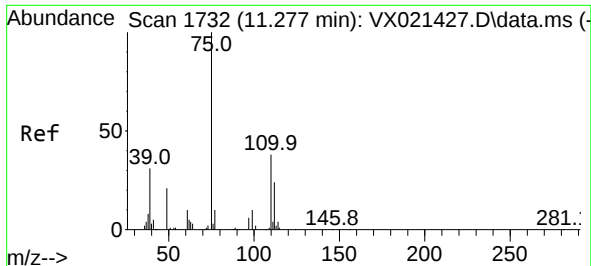
Tgt Ion:	164	Resp:	1466
Ion	Ratio	Lower	Upper
164	100		
166	123.9	103.4	155.2
129	86.2	70.8	106.2
131	92.2	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Tgt Ion:	152	Resp:	53849
Ion	Ratio	Lower	Upper
152	100		
115	65.3	41.1	123.3
150	164.0	0.0	349.0

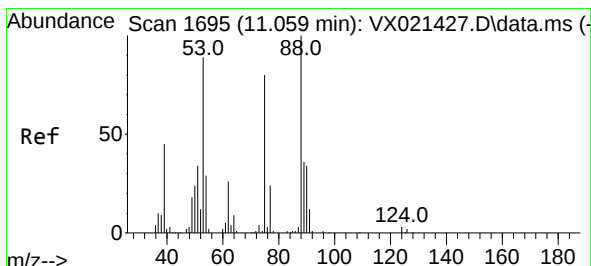
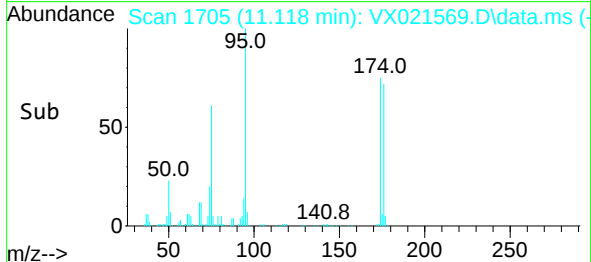
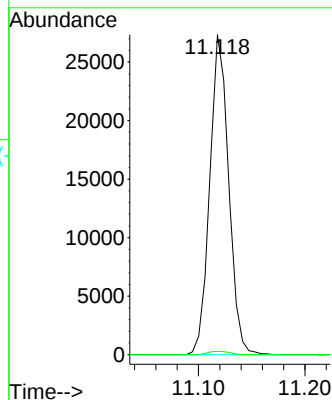
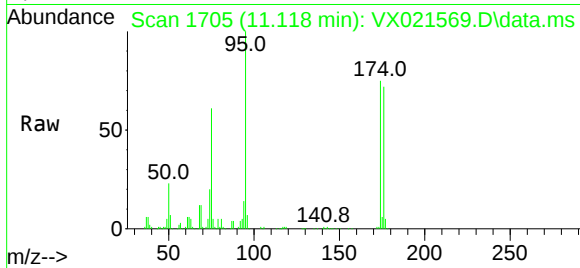




#76
1,2,3-Trichloropropane
Concen: 26.89 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 33704
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.89 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021569.D
Acq: 29 Mar 2021 12:09

Tgt Ion: 75 Resp: 33704
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

