

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021568.D
 Acq On : 29 Mar 2021 11:46
 Operator : JC/MD
 Sample : M1787-11 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-122D2-20210319

Quant Time: Mar 30 03:25:15 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)

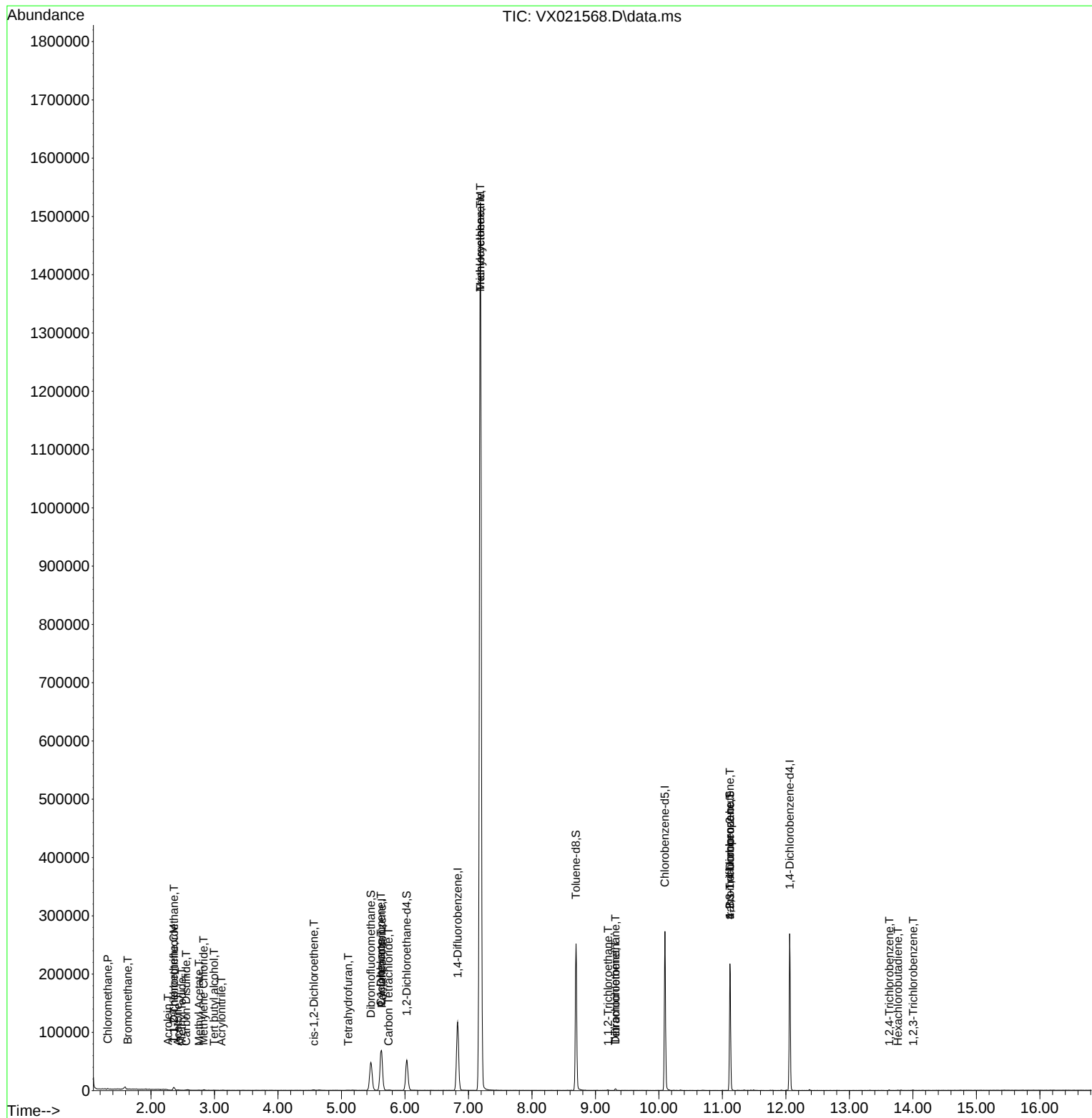
Internal Standards						
1) Pentafluorobenzene	5.635	168	61145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	109828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	48900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50839	49.97	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.94%		
35) Dibromofluoromethane	5.464	113	39801	51.02	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.04%		
50) Toluene-d8	8.694	98	140601	50.58	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.16%		
62) 4-Bromofluorobenzene	11.118	95	56434	52.21	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.42%		
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1435	1.90	ug/l	95
5) Bromomethane	1.634	94	94	0.34	ug/l #	76
9) 1,1,2-Trichlorotrifluo...	2.364	101	1467	2.33	ug/l	91
10) Methyl Iodide	2.487	142	100	6.82	ug/l #	42
11) Tert butyl alcohol	2.993	59	39	0.23	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	549	0.89	ug/l	96
13) Acrolein	2.270	56	39	4.75	ug/l #	80
15) Acrylonitrile	3.111	53	84	0.21	ug/l #	92
16) Acetone	2.423	43	617	1.60	ug/l	93
17) Carbon Disulfide	2.552	76	632	0.37	ug/l #	75
18) Methyl Acetate	2.758	43	380	0.34	ug/l #	47
20) Methylene Chloride	2.829	84	443	0.59	ug/l #	91
27) cis-1,2-Dichloroethene	4.564	96	530	0.67	ug/l	58
29) Tetrahydrofuran	5.105	42	265	0.70	ug/l #	27
31) Cyclohexane	5.623	56	1835	1.64	ug/l #	22
36) 1,1-Dichloropropene	5.623	75	5576	5.18	ug/l #	50
38) Carbon Tetrachloride	5.741	117	295	0.26	ug/l #	76
39) Methylcyclohexane	7.188	83	7122	5.97	ug/l #	1
44) Trichloroethene	7.188	130	534012	662.21	ug/l	97
55) 1,1,2-Trichloroethane	9.200	97	215	0.27	ug/l #	80
60) Dibromochloromethane	9.318	129	510	0.57	ug/l #	11
64) Tetrachloroethene	9.318	164	581	0.78	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	30812	27.07	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30812	82.44	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.630	180	270	0.28	ug/l	88
94) Hexachlorobutadiene	13.765	225	121	0.27	ug/l	84
96) 1,2,3-Trichlorobenzene	14.007	180	251	0.26	ug/l #	73

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

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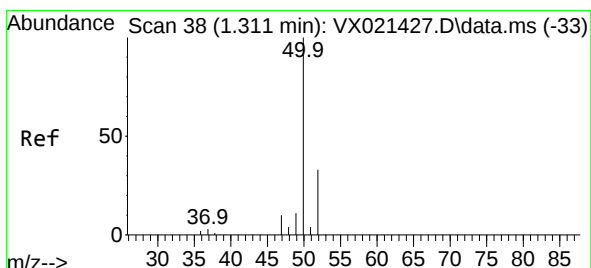
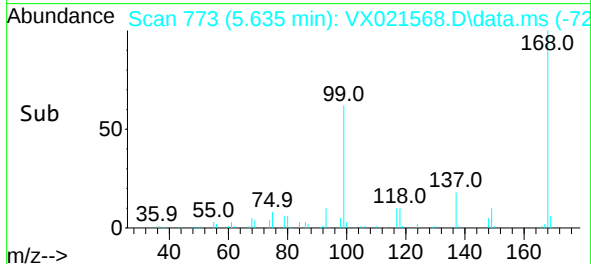
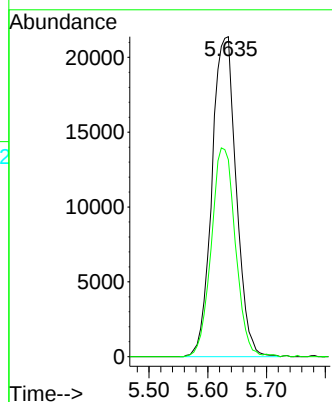
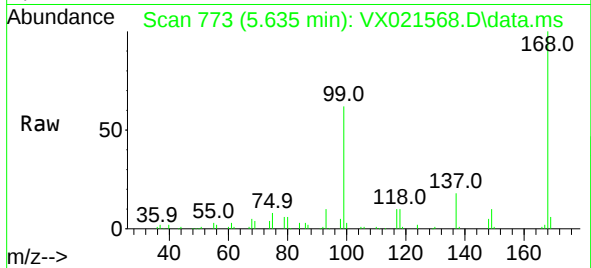




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

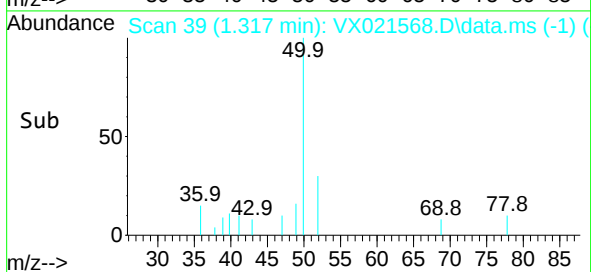
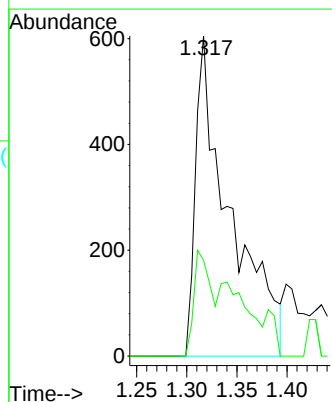
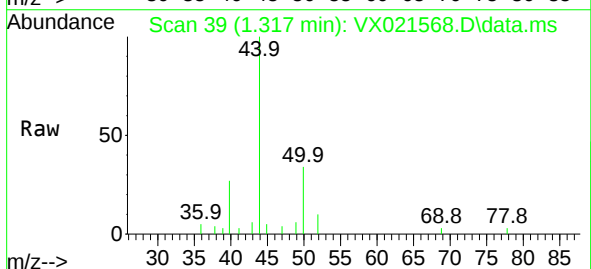
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

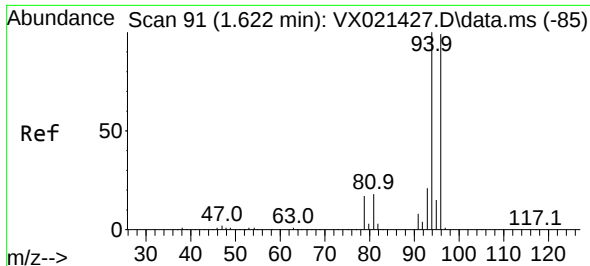
Tgt Ion:168 Resp: 61145
Ion Ratio Lower Upper
168 100
99 61.6 45.8 68.6



#3
Chloromethane
Concen: 1.90 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion: 50 Resp: 1435
Ion Ratio Lower Upper
50 100
52 29.9 26.4 39.6

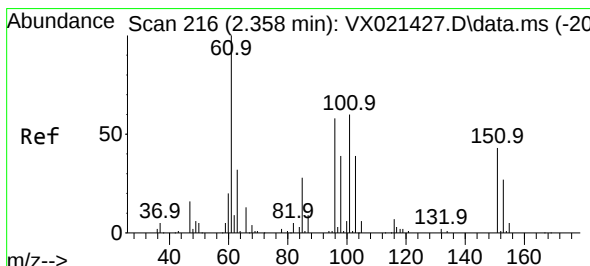
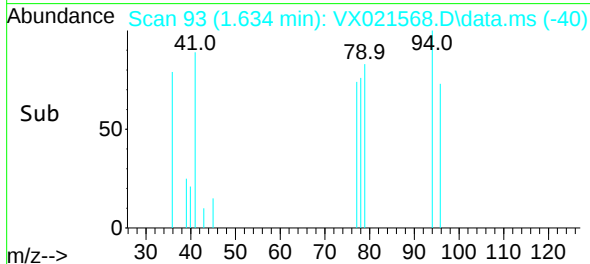
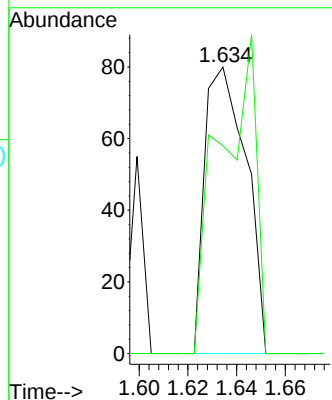
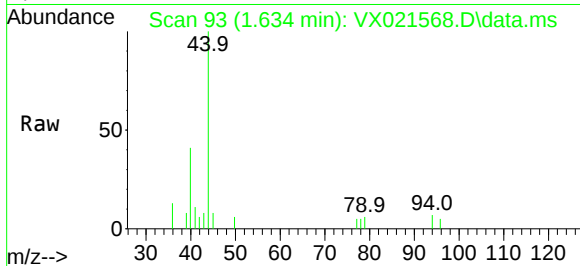




#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

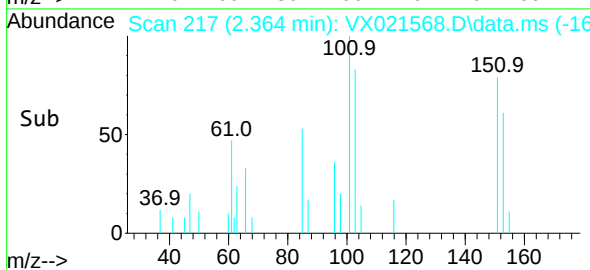
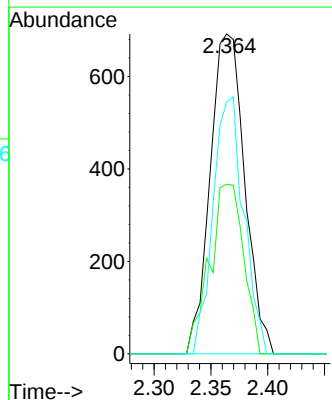
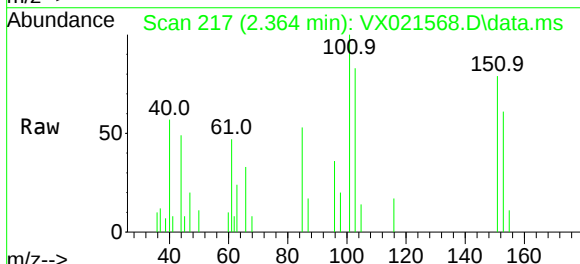
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

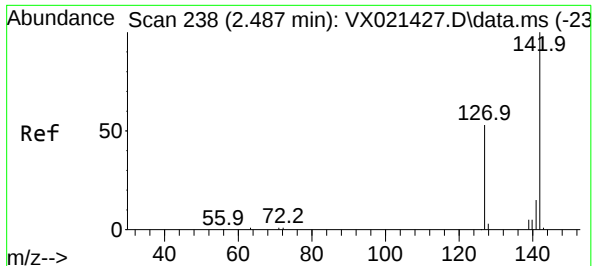
Tgt Ion: 94 Resp: 94
Ion Ratio Lower Upper
94 100
96 72.5 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.33 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion: 101 Resp: 1467
Ion Ratio Lower Upper
101 100
85 51.9 34.9 52.3
151 71.2 61.4 92.2

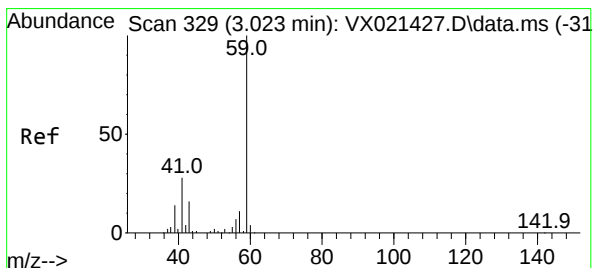
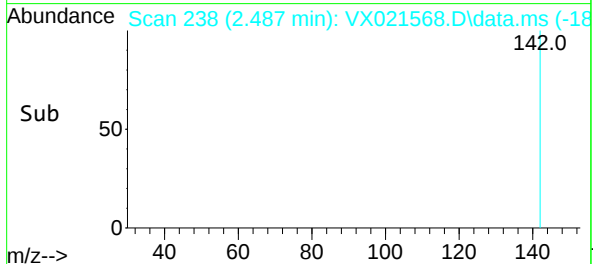
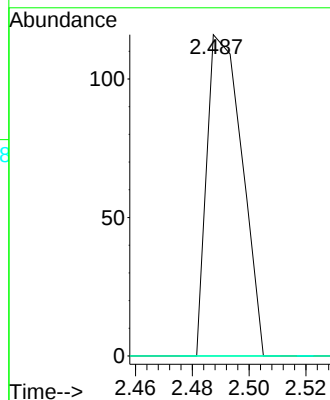
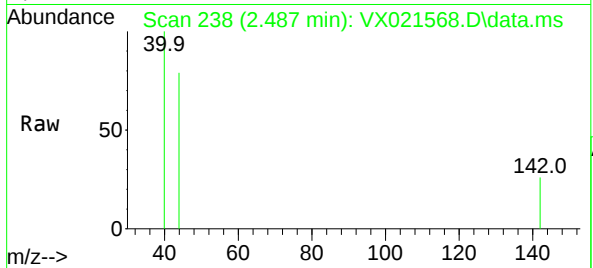




#10
Methyl Iodide
Concen: 6.82 ug/l
RT: 2.487 min Scan# 238
Delta R.T. 0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

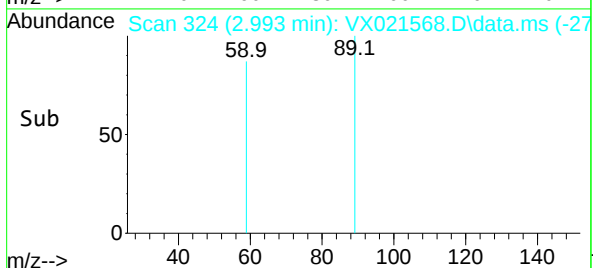
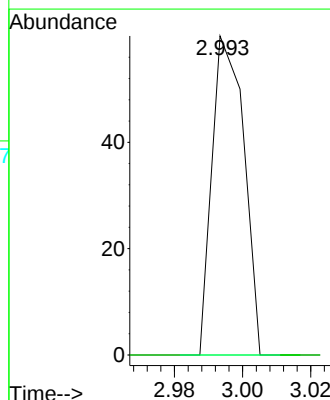
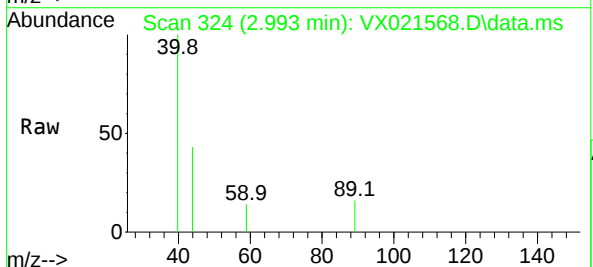
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

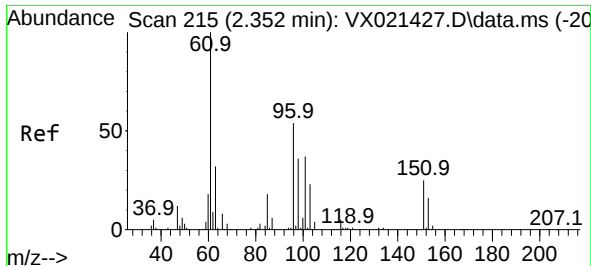
Tgt Ion:142 Resp: 100
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.030 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion: 59 Resp: 39
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.89 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

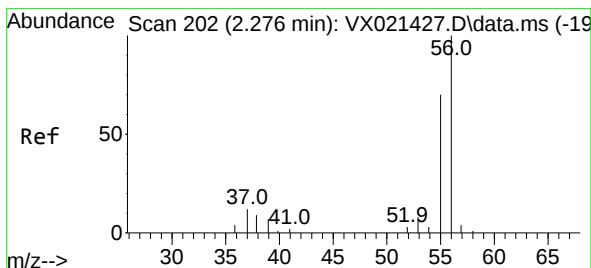
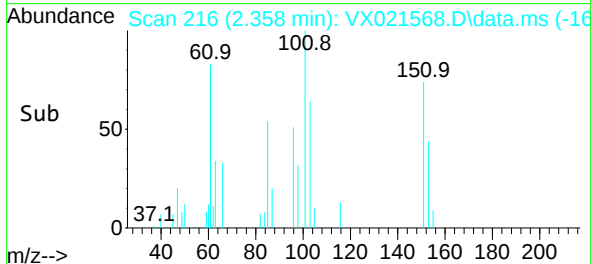
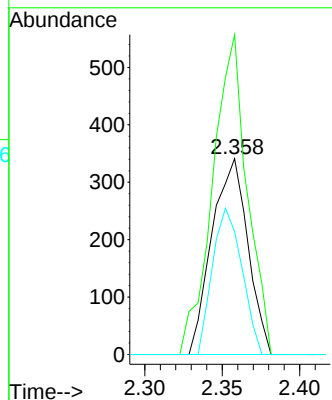
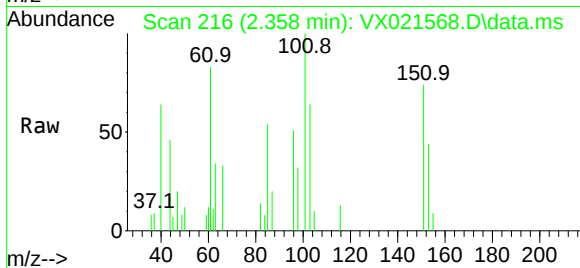
Tgt Ion: 96 Resp: 549

Ion Ratio Lower Upper

96 100

61 163.3 124.6 187.0

98 62.8 50.6 76.0



#13

Acrolein

Concen: 4.75 ug/l

RT: 2.270 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX021568.D

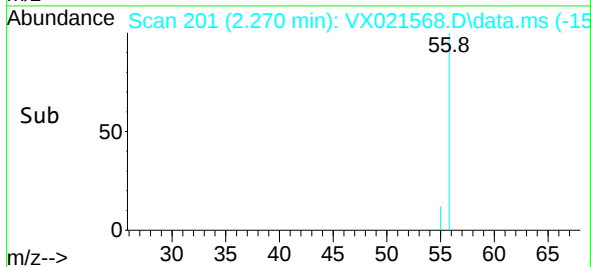
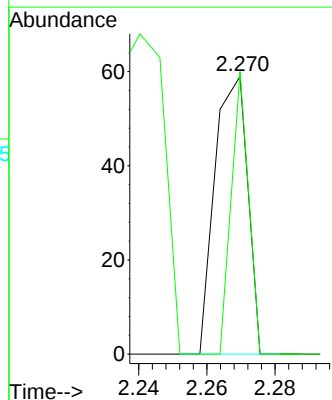
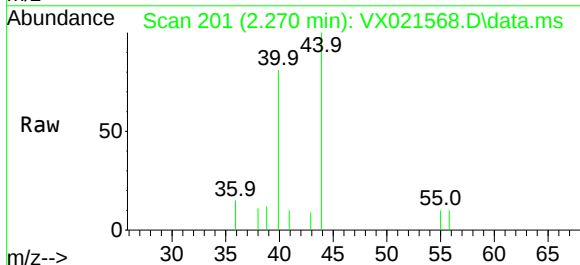
Acq: 29 Mar 2021 11:46

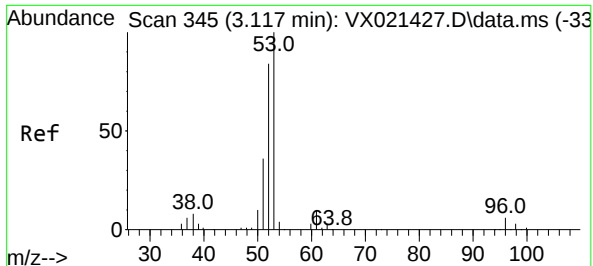
Tgt Ion: 56 Resp: 39

Ion Ratio Lower Upper

56 100

55 53.8 56.4 84.6#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.111 min Scan# 344

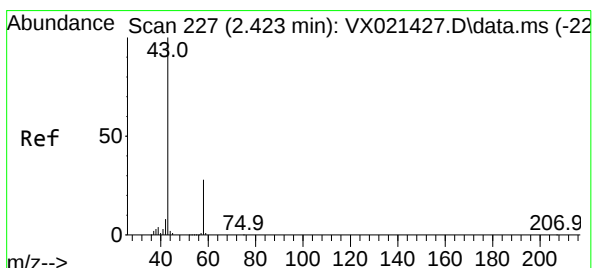
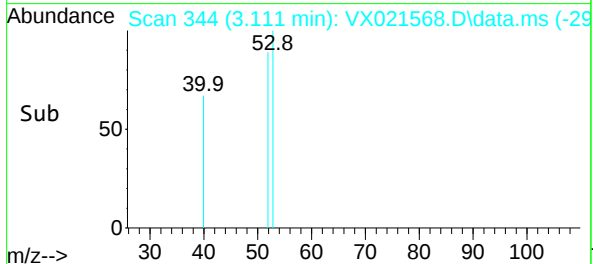
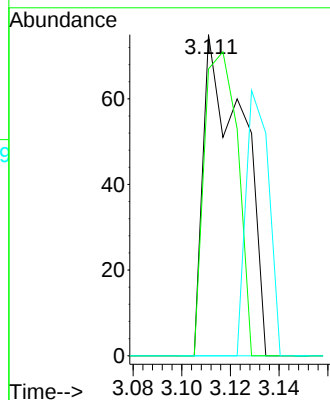
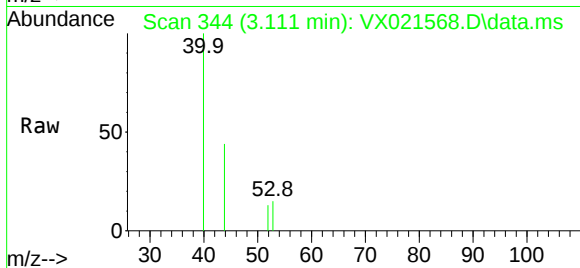
Delta R.T. -0.006 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

Tgt Ion: 53	Resp: 84
Ion Ratio	Lower Upper
53 100	
52 79.8	65.3 97.9
51 47.6	28.2 42.2#

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#16

Acetone

Concen: 1.60 ug/l

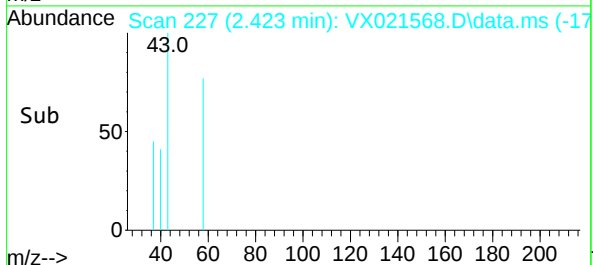
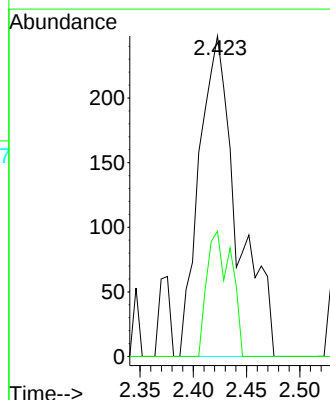
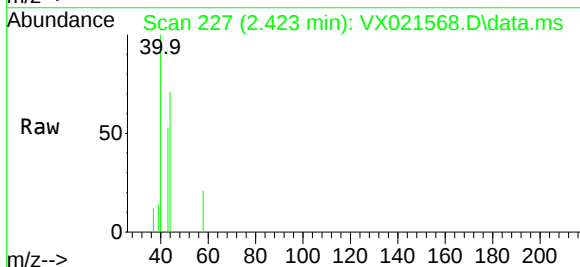
RT: 2.423 min Scan# 227

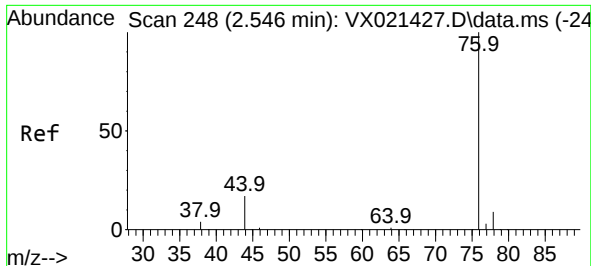
Delta R.T. -0.000 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

Tgt Ion: 43	Resp: 617
Ion Ratio	Lower Upper
43 100	
58 39.1	27.8 41.8

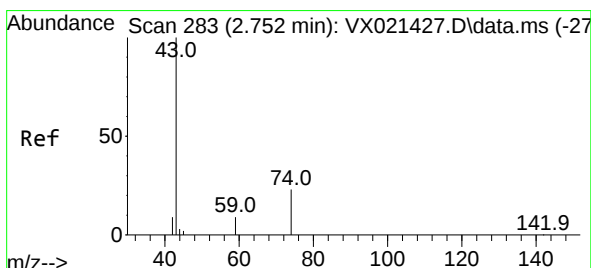
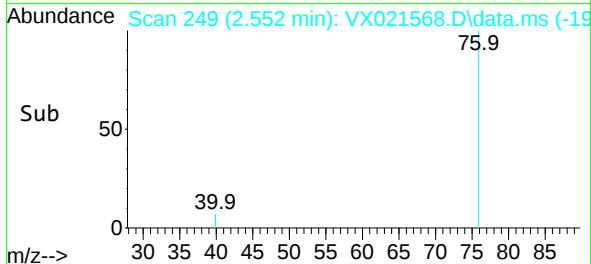
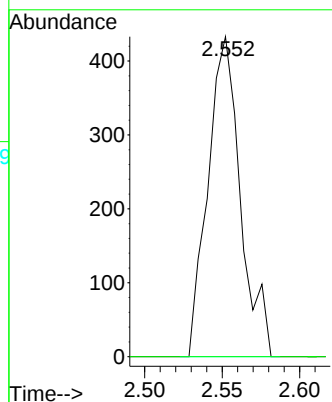
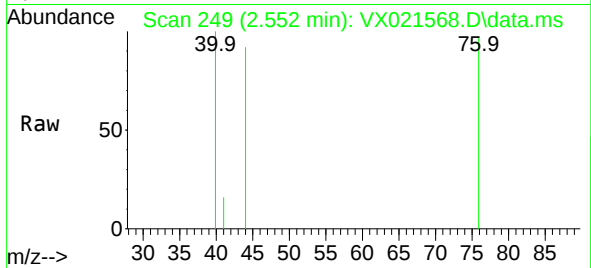




#17
Carbon Disulfide
Concen: 0.37 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

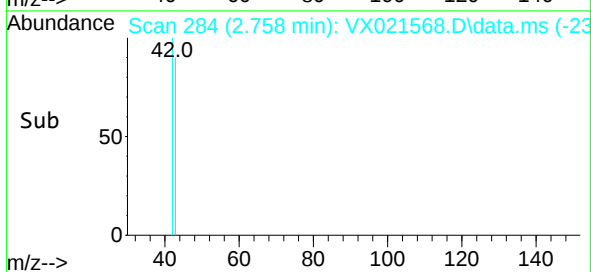
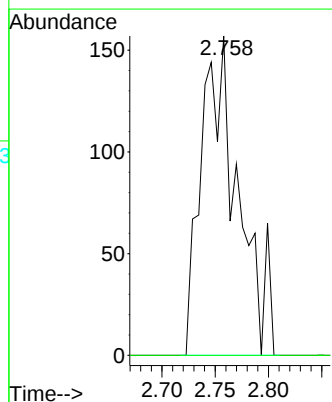
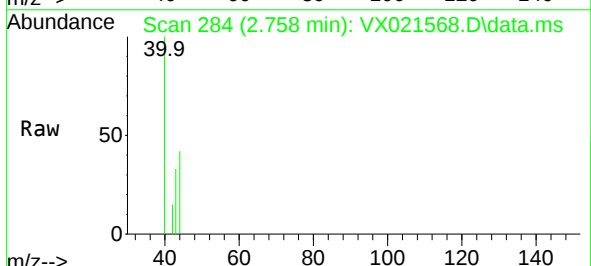
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

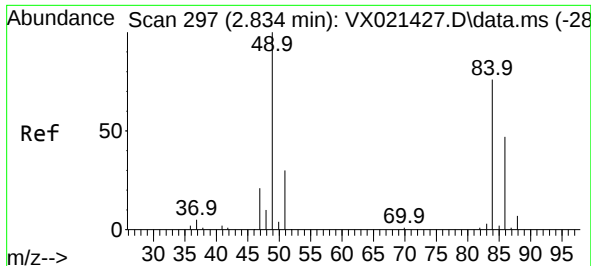
Tgt Ion: 76 Resp: 632
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.34 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.59 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.005 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

Tgt Ion: 84 Resp: 443

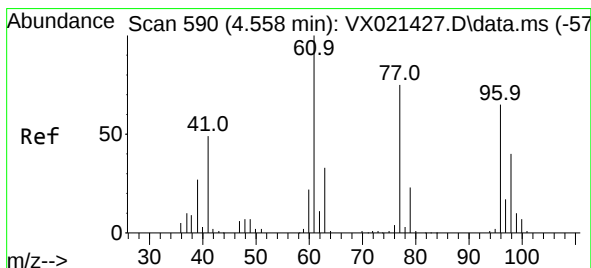
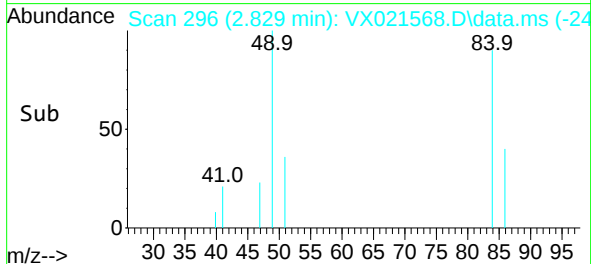
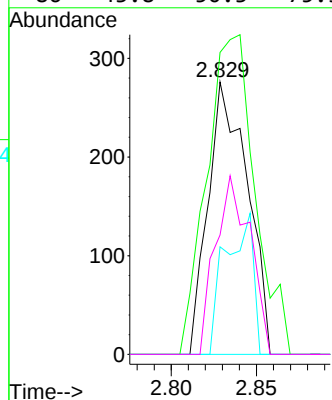
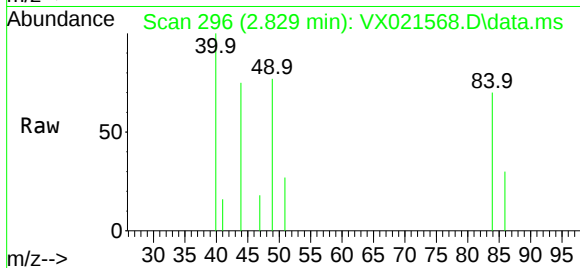
Ion Ratio Lower Upper

84 100

49 110.9 88.6 132.8

51 39.5 27.0 40.6

86 43.8 50.3 75.5#



#27

cis-1,2-Dichloroethene

Concen: 0.67 ug/l

RT: 4.564 min Scan# 591

Delta R.T. 0.006 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

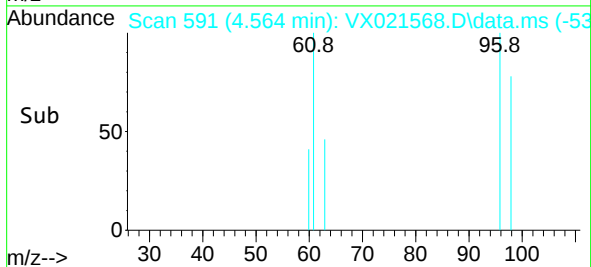
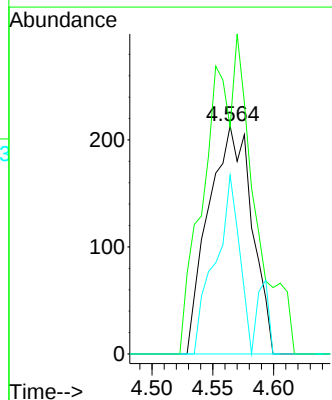
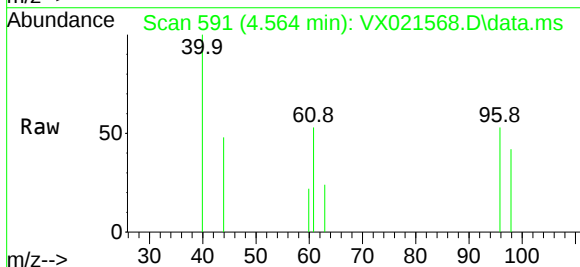
Tgt Ion: 96 Resp: 530

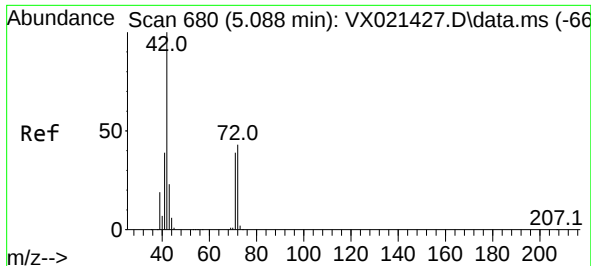
Ion Ratio Lower Upper

96 100

61 83.0 0.0 285.6

98 44.0 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

Lab File: VX021568.D

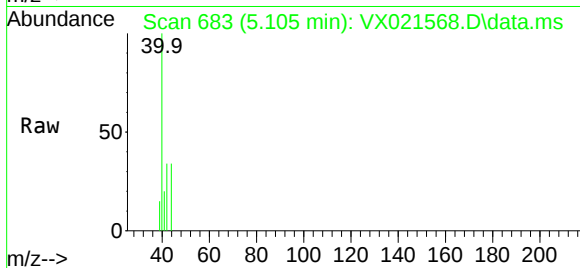
Acq: 29 Mar 2021 11:46

Instrument :

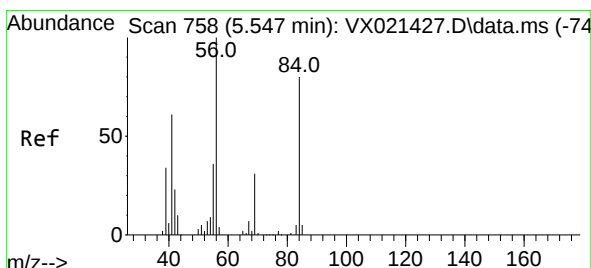
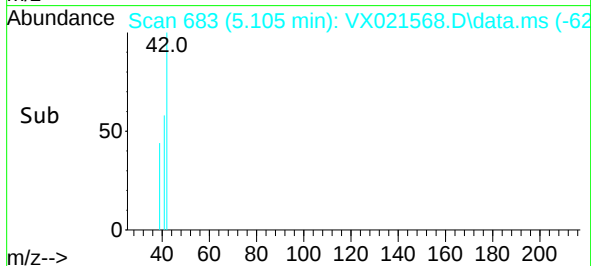
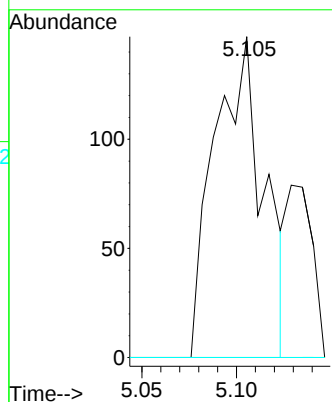
MSVOA_X

ClientSampleId :

RE-122D2-20210319



Tgt Ion:	42	Resp:	265
Ion Ratio	Lower	Upper	
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.64 ug/l

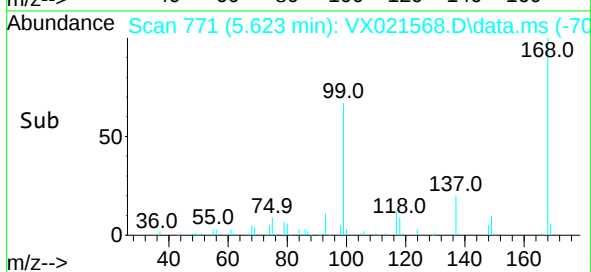
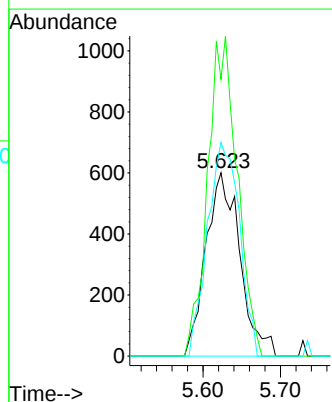
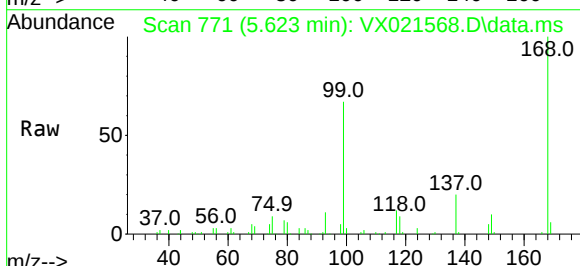
RT: 5.623 min Scan# 771

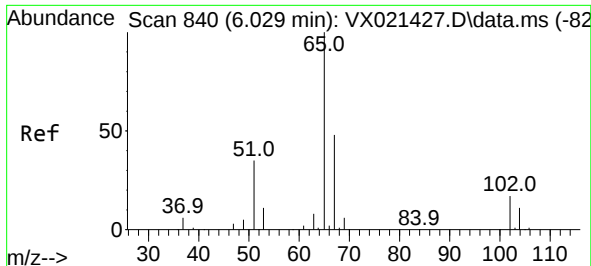
Delta R.T. 0.076 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

Tgt Ion:	56	Resp:	1835
Ion Ratio	Lower	Upper	
56	100		
69	150.9	25.3	37.9#
84	116.5	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.97 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

Tgt Ion: 65 Resp: 50839

Ion Ratio Lower Upper

65 100

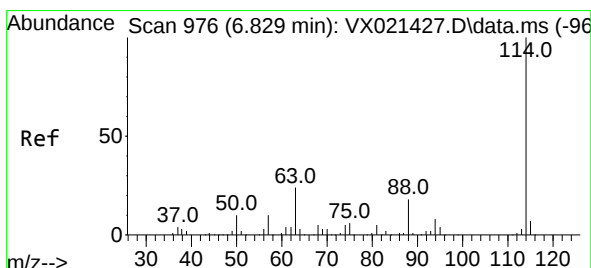
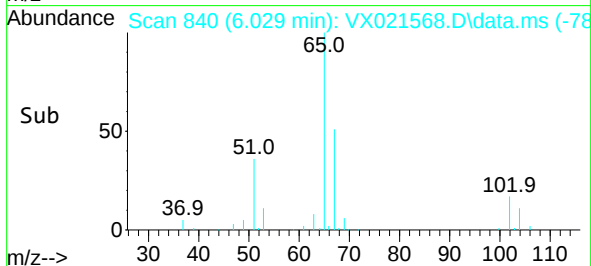
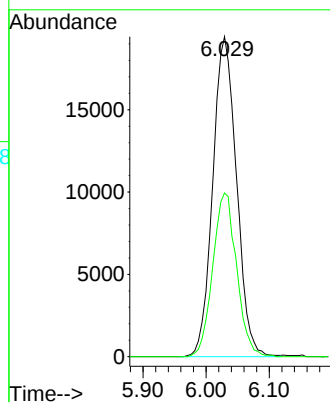
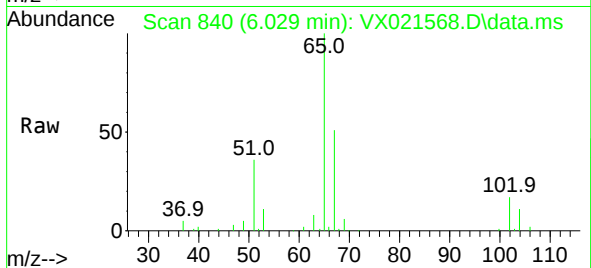
67 51.3 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

RE-122D2-20210319



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

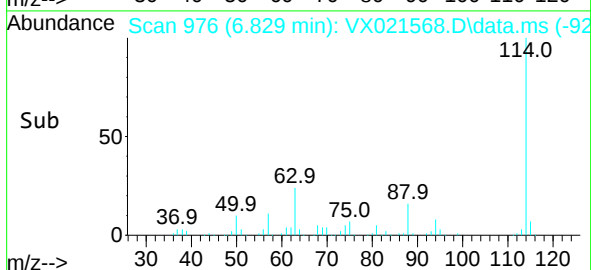
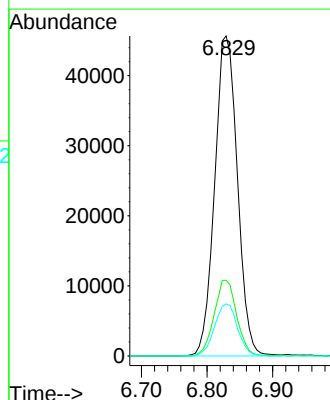
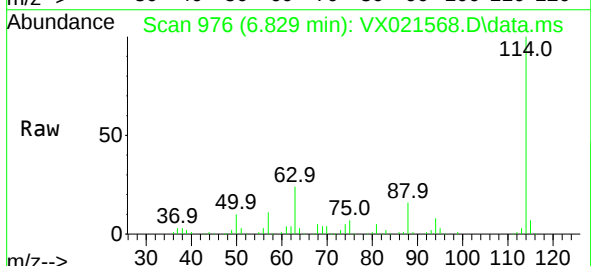
Tgt Ion: 114 Resp: 109828

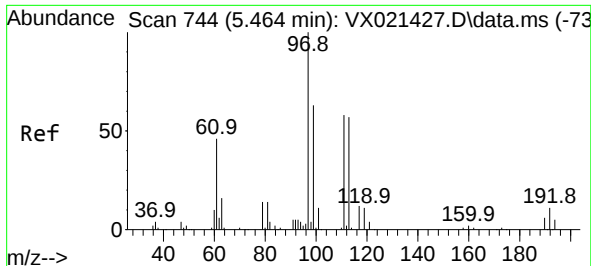
Ion Ratio Lower Upper

114 100

63 23.7 0.0 40.8

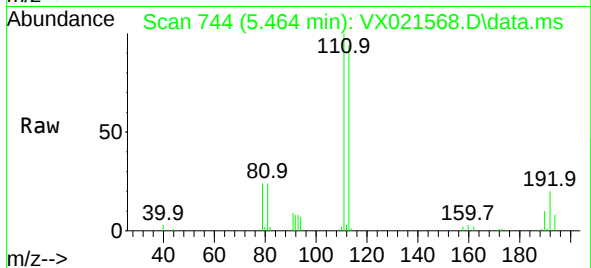
88 16.3 0.0 32.8



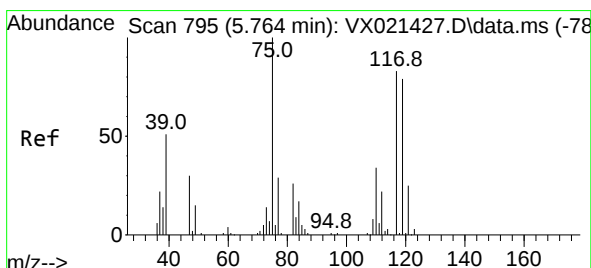
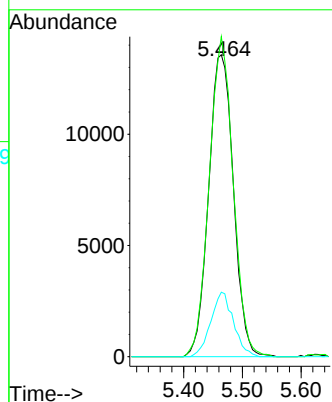
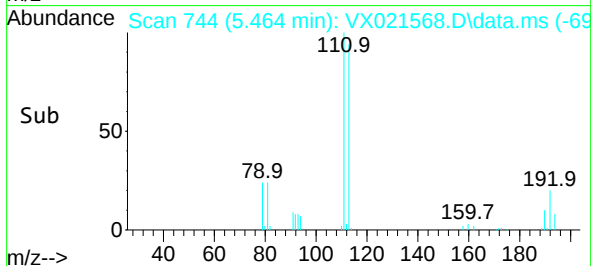


#35
Dibromofluoromethane
Concen: 51.02 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

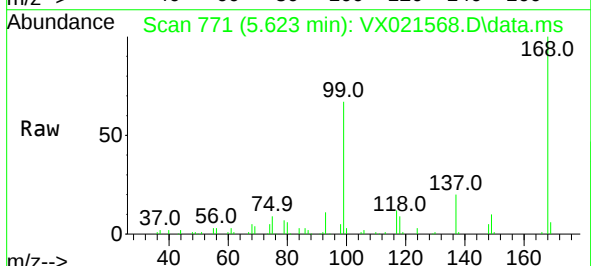
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319



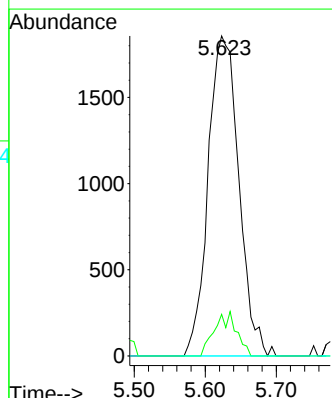
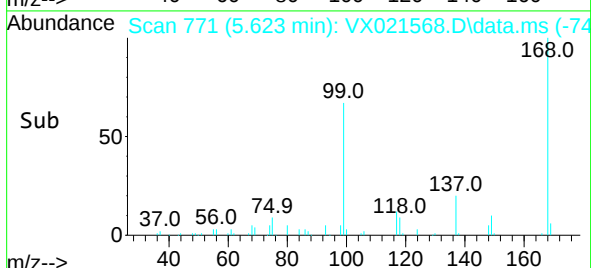
Tgt Ion:113 Resp: 39801
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.5 16.7 25.1

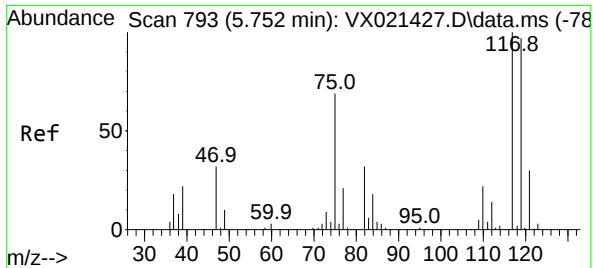


#36
1,1-Dichloropropene
Concen: 5.18 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46



Tgt Ion: 75 Resp: 5576
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#

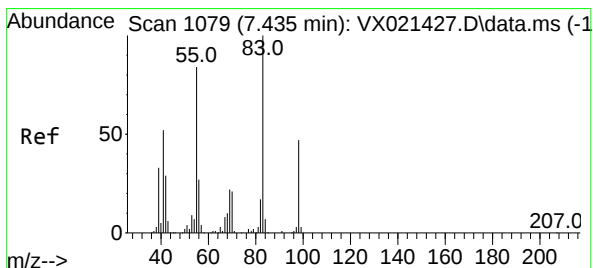
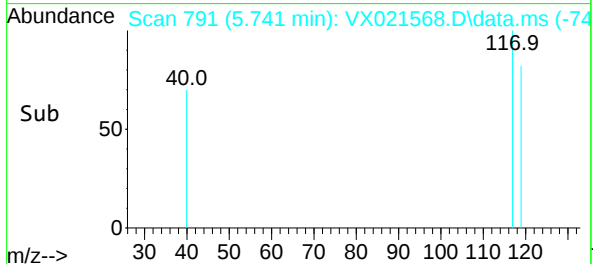
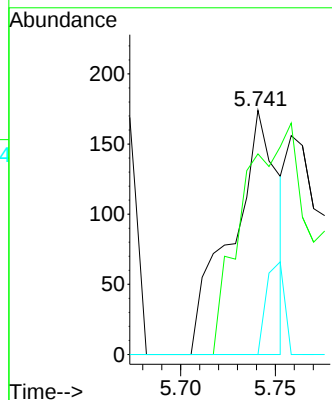
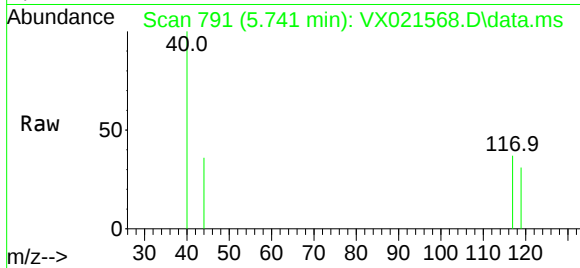




#38
Carbon Tetrachloride
Concen: 0.26 ug/l
RT: 5.741 min Scan# 791
Delta R.T. -0.011 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

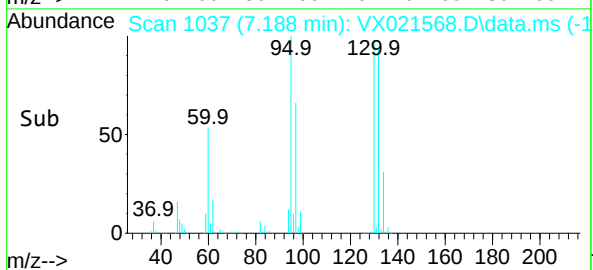
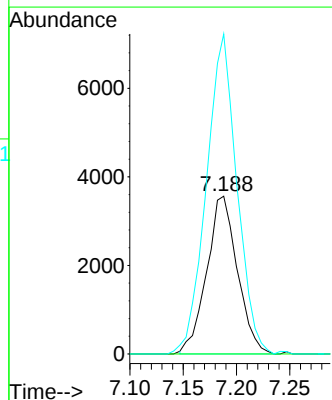
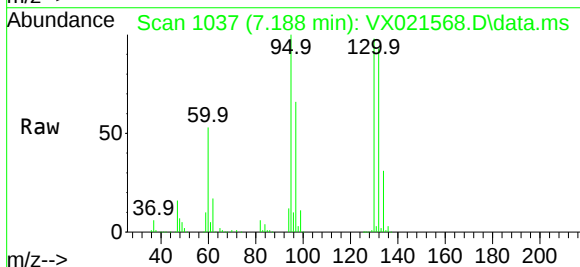
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

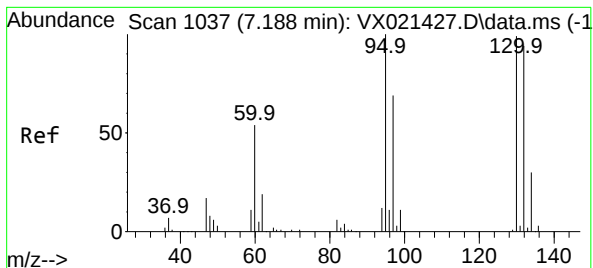
Tgt Ion:117 Resp: 295
Ion Ratio Lower Upper
117 100
119 82.2 76.2 114.2
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 5.97 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion: 83 Resp: 7122
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 201.2 38.1 57.1#





#44

Trichloroethene

Concen: 662.21 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

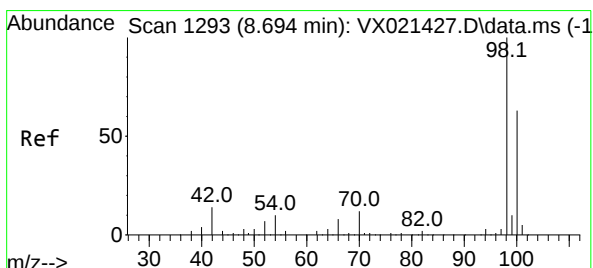
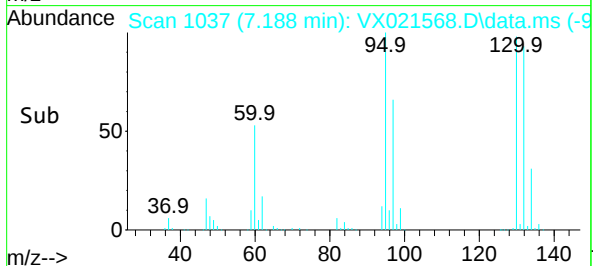
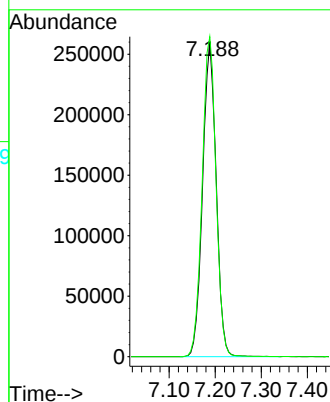
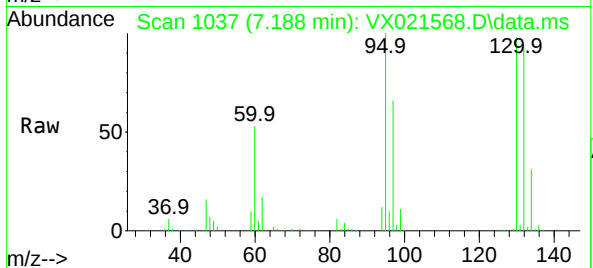
Lab File: VX021568.D

Acq: 29 Mar 2021 11:46

Tgt Ion:130 Resp: 534012

Ion Ratio Lower Upper

130	100		
95	101.7	0.0	198.0



#50

Toluene-d8

Concen: 50.58 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

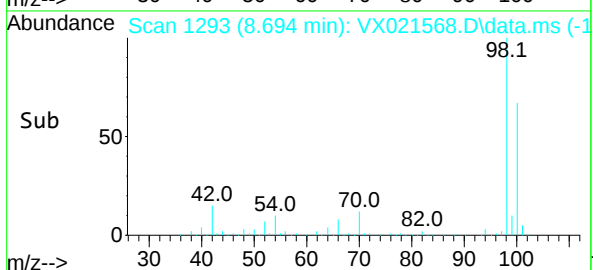
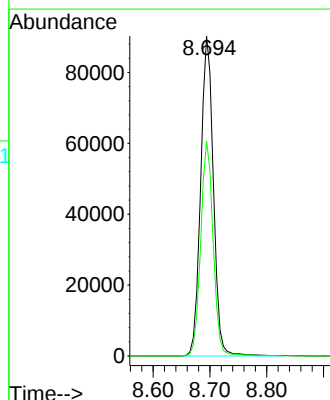
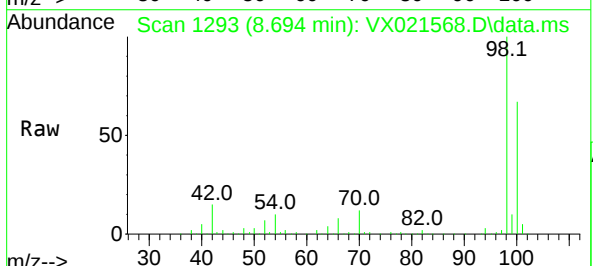
Lab File: VX021568.D

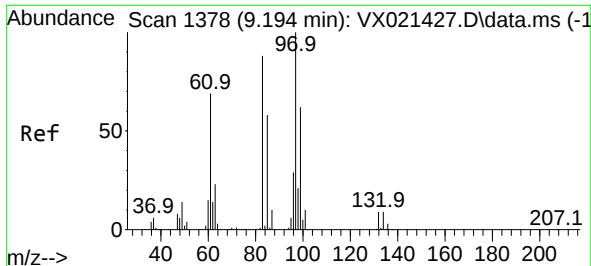
Acq: 29 Mar 2021 11:46

Tgt Ion: 98 Resp: 140601

Ion Ratio Lower Upper

98	100		
100	65.5	51.9	77.9

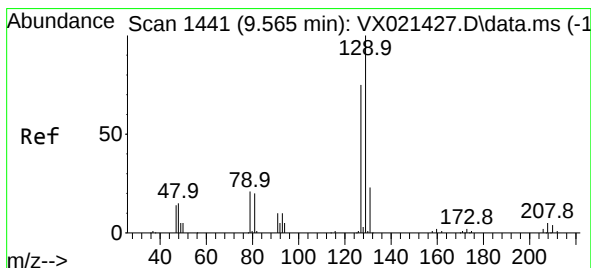
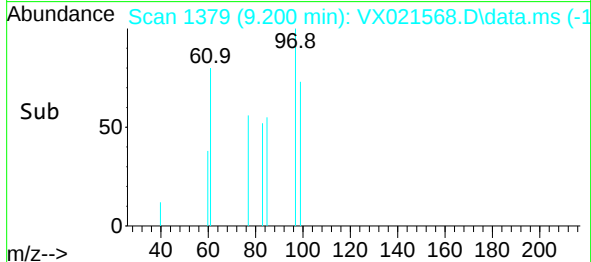
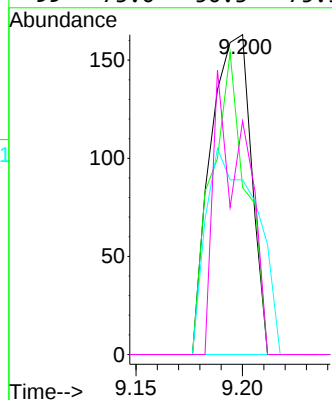
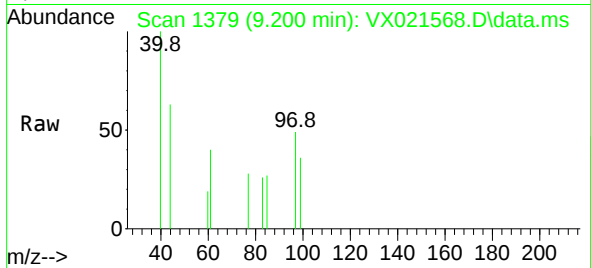




#55
1,1,2-Trichloroethane
Concen: 0.27 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

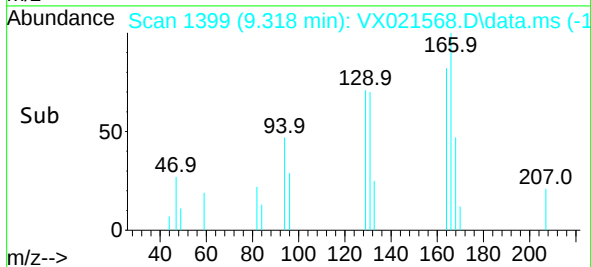
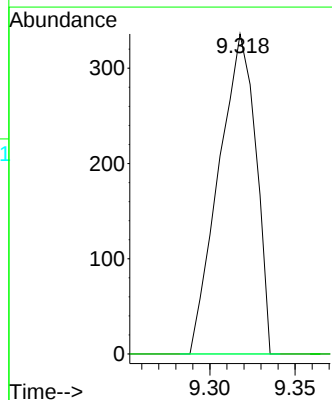
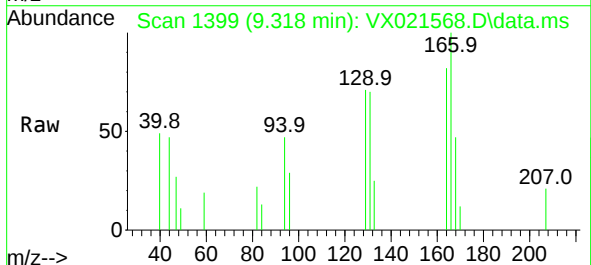
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

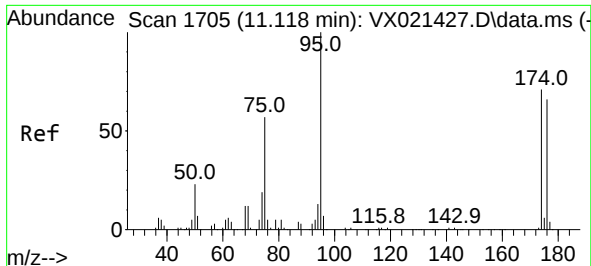
Tgt Ion:	97	Resp:	215
Ion	Ratio	Lower	Upper
97	100		
83	52.1	69.3	103.9#
85	54.6	44.3	66.5
99	73.0	50.3	75.5



#60
Dibromochloromethane
Concen: 0.57 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion:	129	Resp:	510
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

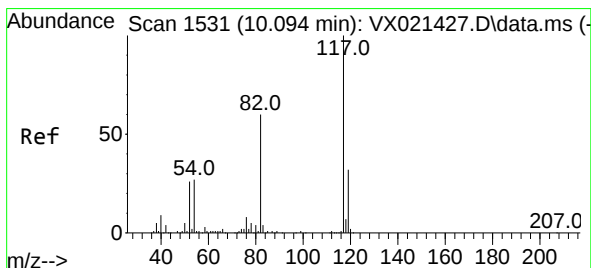
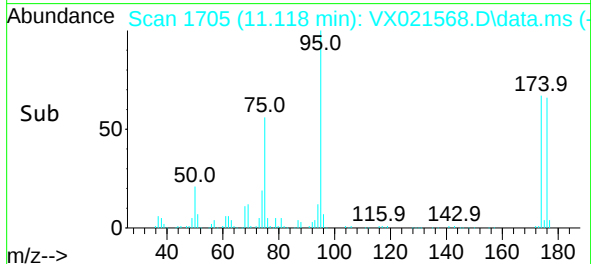
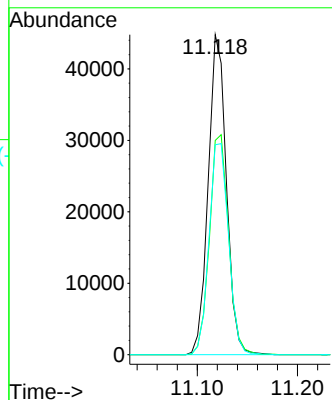
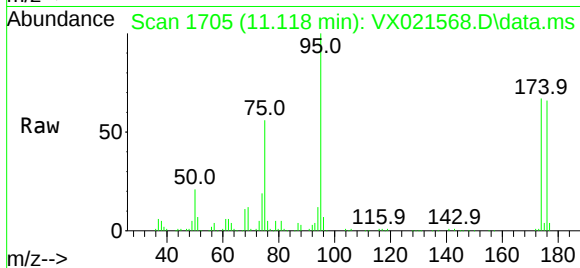




#62
4-Bromofluorobenzene
Concen: 52.21 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

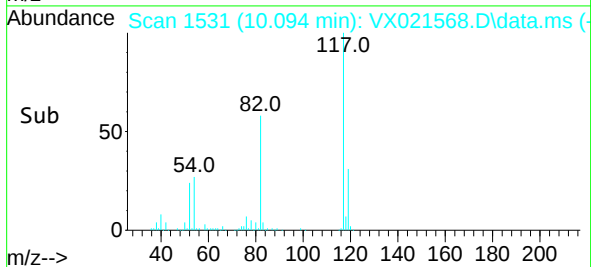
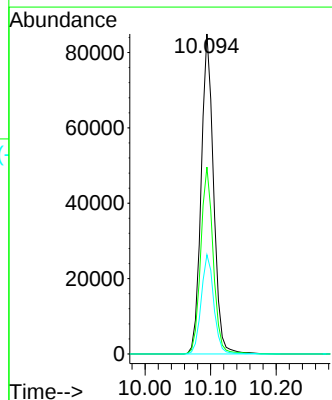
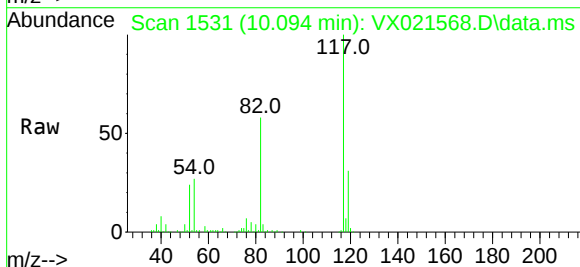
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

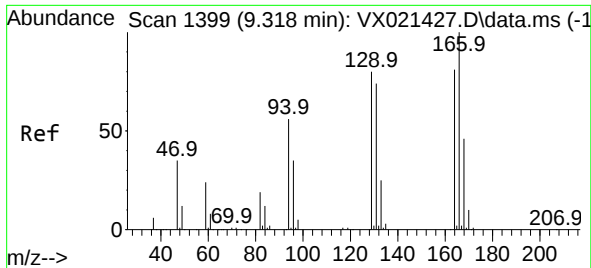
Tgt Ion: 95 Resp: 56434
Ion Ratio Lower Upper
95 100
174 72.2 0.0 154.6
176 70.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion: 117 Resp: 111860
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.0 26.6 39.8



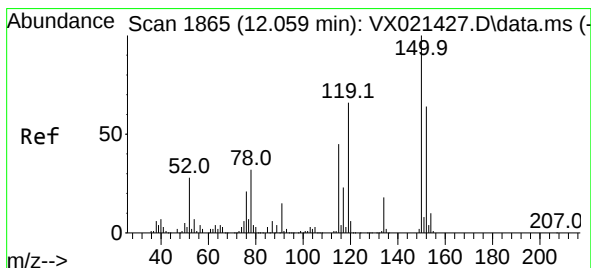
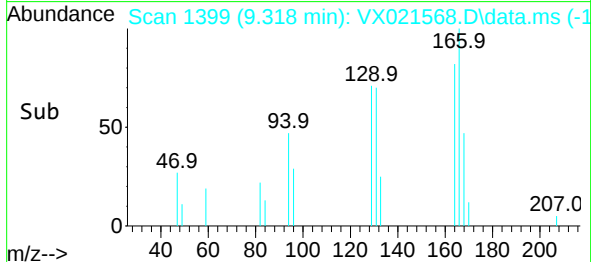
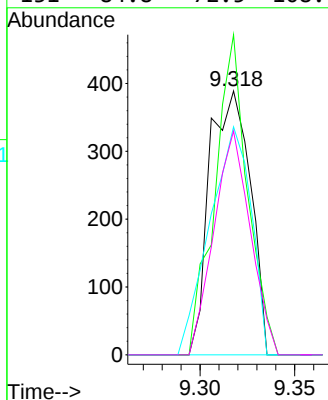
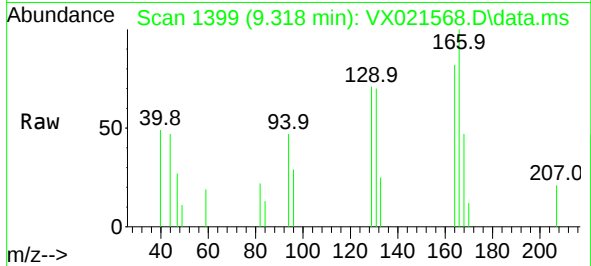


#64
Tetrachloroethene
Concen: 0.78 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

Tgt Ion:164 Resp: 581

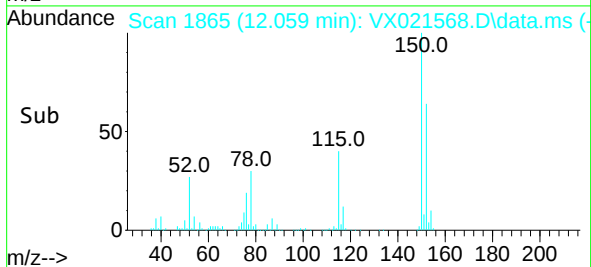
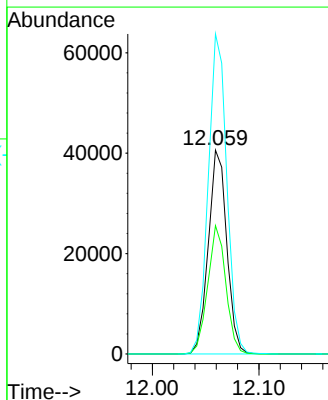
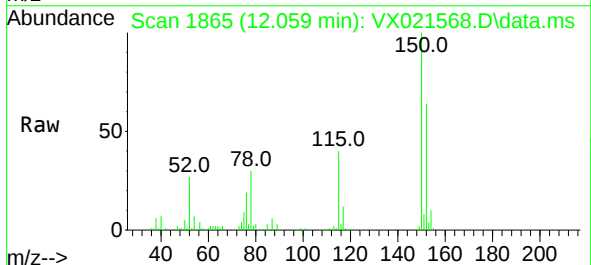
Ion	Ratio	Lower	Upper
164	100		
166	121.3	103.4	155.2
129	86.4	70.8	106.2
131	84.8	72.5	108.7

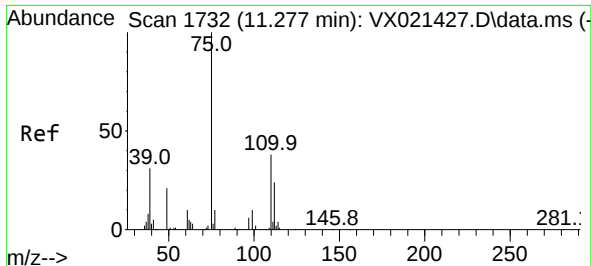


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion:152 Resp: 48900

Ion	Ratio	Lower	Upper
152	100		
115	61.9	41.1	123.3
150	157.2	0.0	349.0

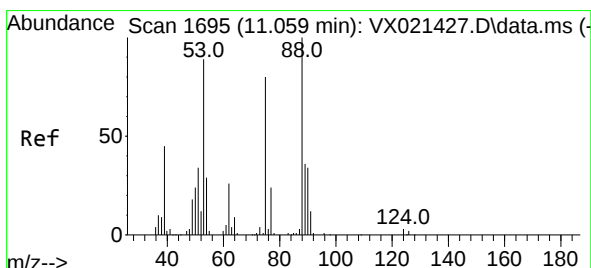
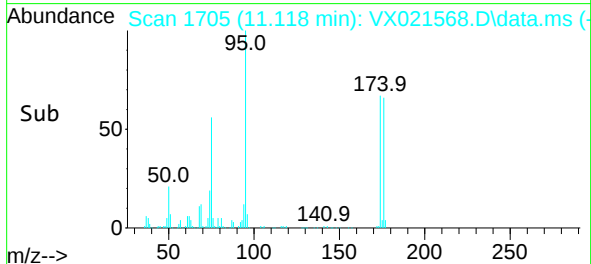
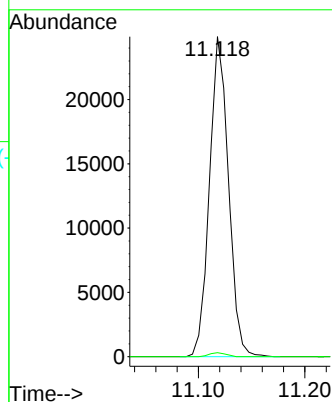
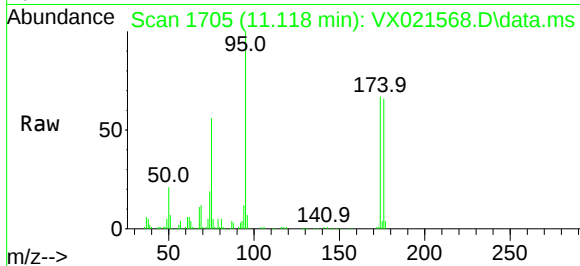




#76
1,2,3-Trichloropropane
Concen: 27.07 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

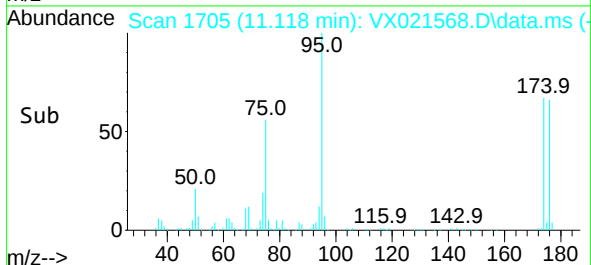
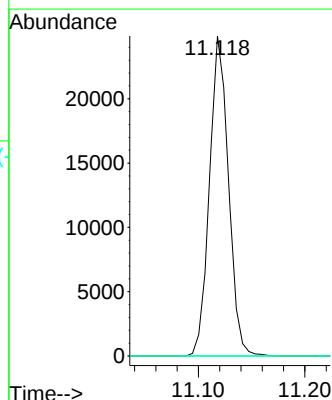
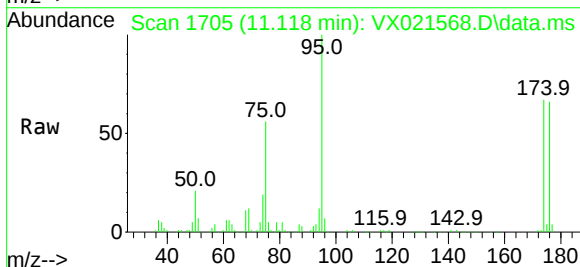
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

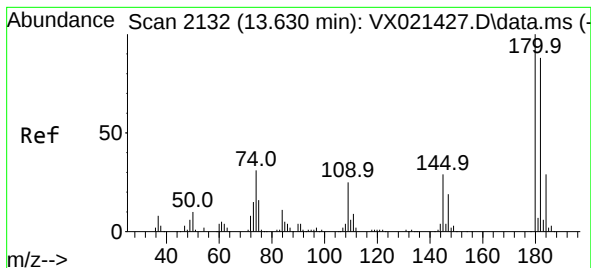
Tgt Ion: 75 Resp: 30812
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.44 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

Tgt Ion: 75 Resp: 30812
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

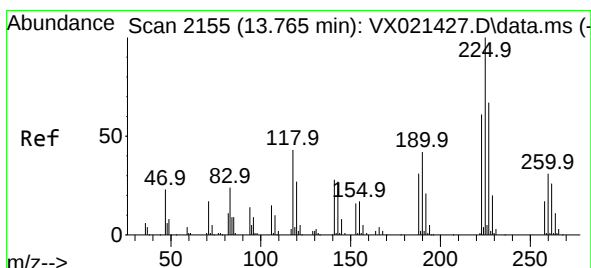
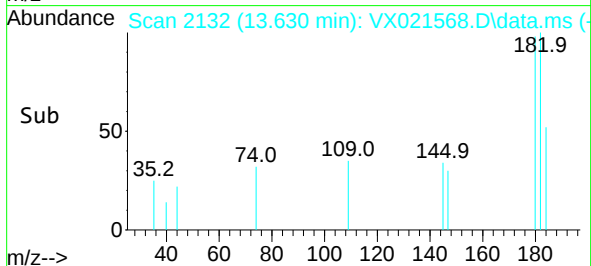
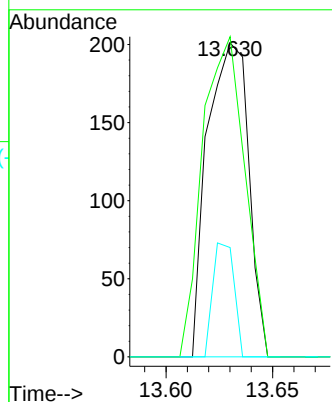
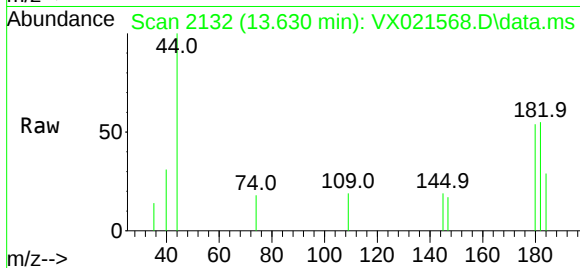




#93
1,2,4-Trichlorobenzene
Concen: 0.28 ug/l
RT: 13.630 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

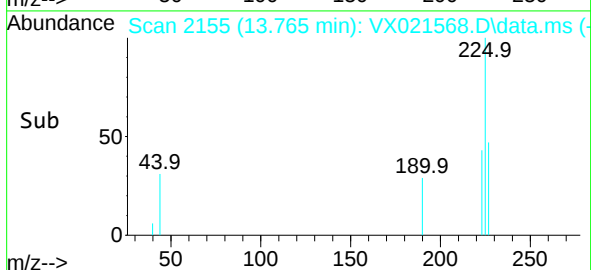
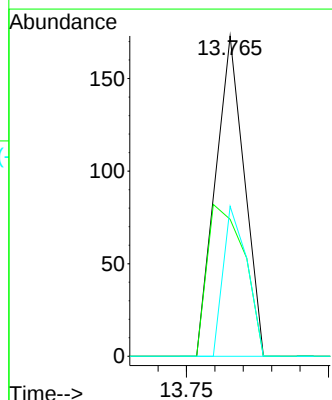
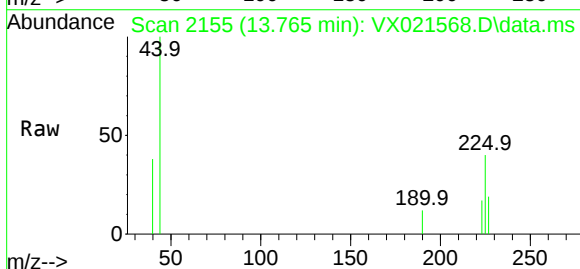
Instrument :
MSVOA_X
ClientSampleId :
RE-122D2-20210319

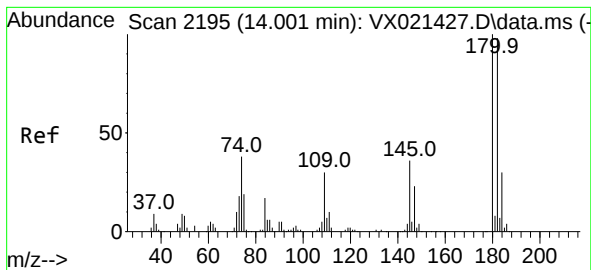
Tgt Ion:180 Resp: 270
Ion Ratio Lower Upper
180 100
182 104.1 47.7 143.1
145 18.5 15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.27 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VX021568.D
Acq: 29 Mar 2021 11:46

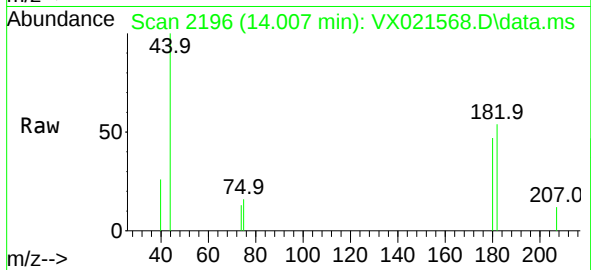
Tgt Ion:225 Resp: 121
Ion Ratio Lower Upper
225 100
223 61.2 31.1 93.2
227 38.8 31.6 95.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 14.007 min Scan# 2196
 Delta R.T. 0.006 min
 Lab File: VX021568.D
 Acq: 29 Mar 2021 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-122D2-20210319



Tgt Ion:	180	Resp:	251
Ion	Ratio	Lower	Upper
180	100		
182	111.2	47.6	142.9
145	0.0	16.1	48.3#

