

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021509.D
 Acq On : 26 Mar 2021 00:54
 Operator : JC/MD
 Sample : M1770-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 06:33:19 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)

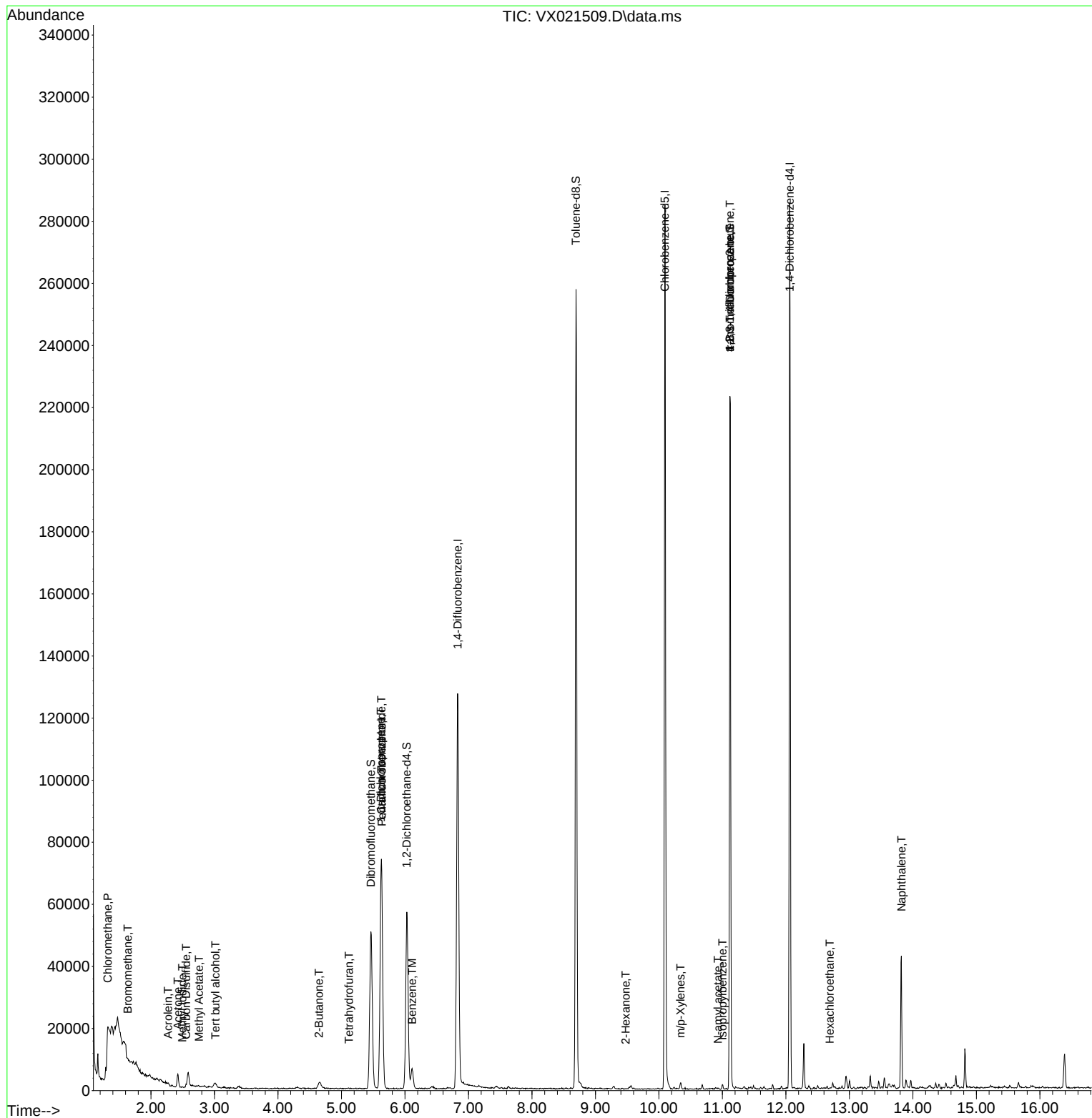
Internal Standards							
1) Pentafluorobenzene		5.635	168	63919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene		6.829	114	117125	50.00	ug/l	0.00
63) Chlorobenzene-d5		10.094	117	117596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.059	152	52001	50.00	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		6.029	65	55919	52.58	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.16%		
35) Dibromofluoromethane		5.464	113	42679	51.30	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.60%		
50) Toluene-d8		8.694	98	145877	49.20	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.40%		
62) 4-Bromofluorobenzene		11.118	95	59081	51.26	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.52%		
Target Compounds							
							Qvalue
3) Chloromethane		1.316	50	3715	4.64	ug/l	91
5) Bromomethane		1.634	94	111	0.38	ug/l #	61
10) Methyl Iodide		2.493	142	98	6.81	ug/l #	42
11) Tert butyl alcohol		3.017	59	1580	8.99	ug/l	99
13) Acrolein		2.270	56	83	5.22	ug/l #	14
16) Acetone		2.422	43	4546	11.31	ug/l #	86
17) Carbon Disulfide		2.552	76	1606	0.89	ug/l #	94
18) Methyl Acetate		2.758	43	348	0.30	ug/l #	47
25) 2-Butanone		4.646	43	729	1.20	ug/l #	45
29) Tetrahydrofuran		5.117	42	134	0.34	ug/l #	27
36) 1,1-Dichloropropene		5.623	75	5784	5.04	ug/l #	50
38) Carbon Tetrachloride		5.629	117	7364	5.97	ug/l #	15
40) Benzene		6.111	78	6624	2.03	ug/l	93
59) 2-Hexanone		9.476	43	206	0.21	ug/l #	19
68) m/p-Xylenes		10.341	106	490	0.32	ug/l	91
73) Isopropylbenzene		11.000	105	862	0.24	ug/l	92
74) N-amyl acetate		10.929	43	407	0.23	ug/l #	38
76) 1,2,3-Trichloropropane		11.118	75	33696	27.83	ug/l #	39
81) trans-1,4-Dichloro-2-b...		11.118	75	33696	84.78	ug/l #	12
90) Hexachloroethane		12.689	117	119	0.21	ug/l #	9
95) Naphthalene		13.818	128	24391	7.20	ug/l	99

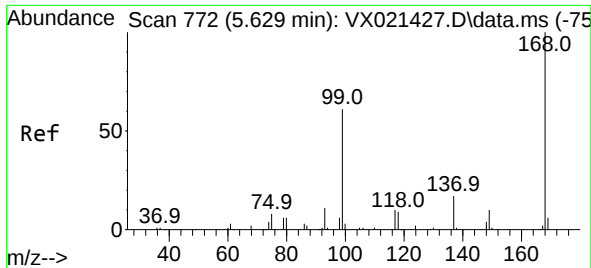
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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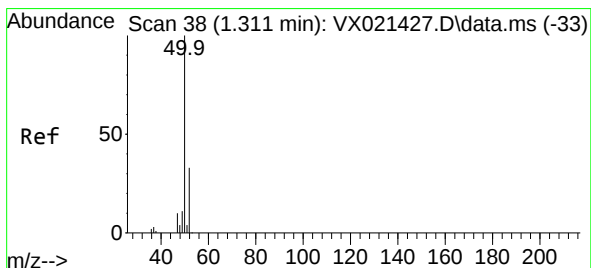
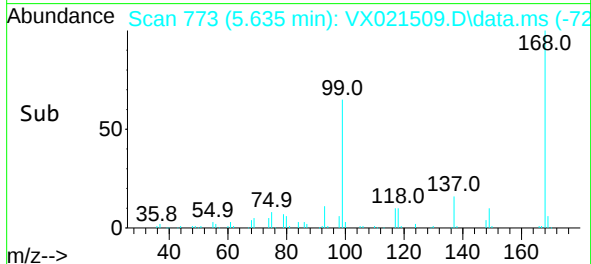
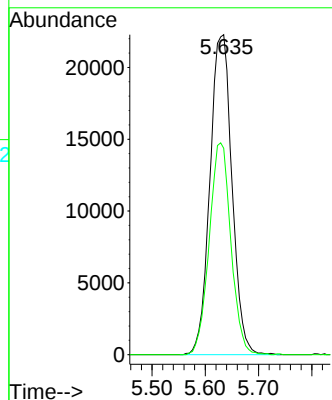
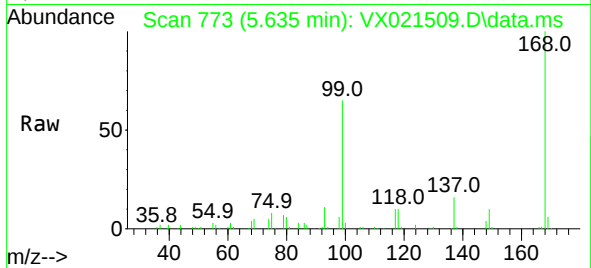




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

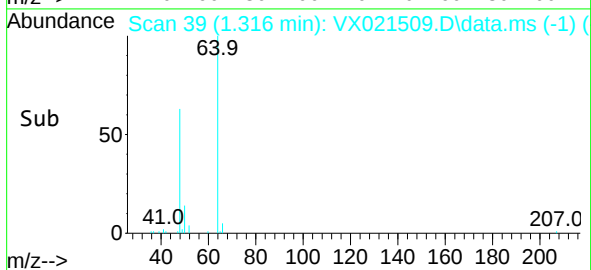
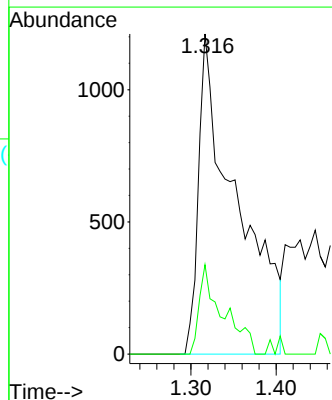
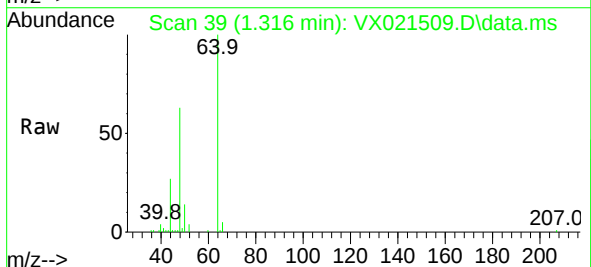
Instrument :
MSVOA_X
ClientSampleId :

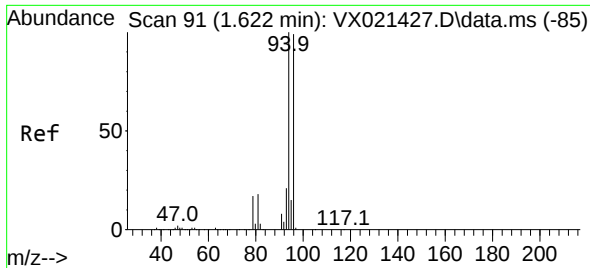
Tgt Ion:168 Resp: 63919
Ion Ratio Lower Upper
168 100
99 64.5 45.8 68.6



#3
Chloromethane
Concen: 4.64 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion: 50 Resp: 3715
Ion Ratio Lower Upper
50 100
52 27.9 26.4 39.6

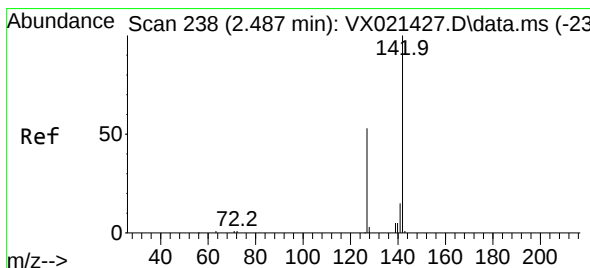
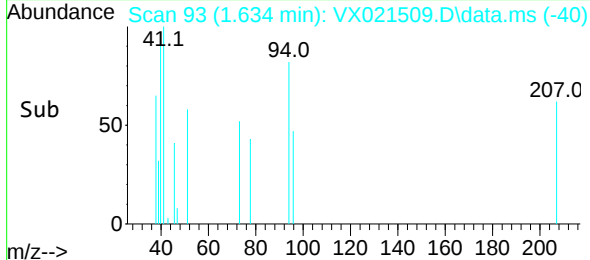
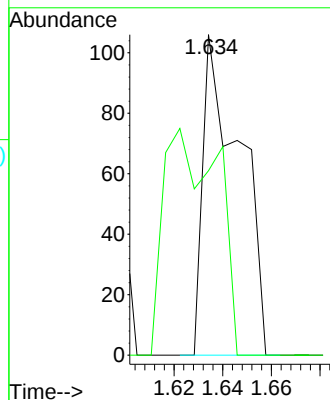
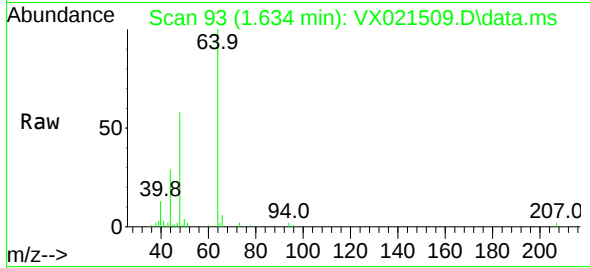




#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

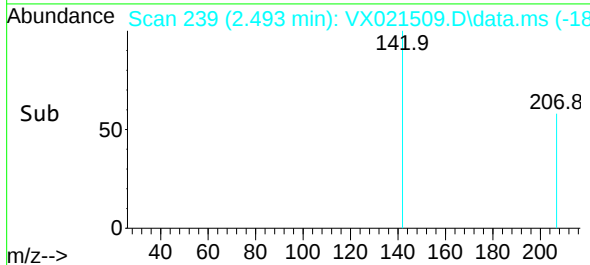
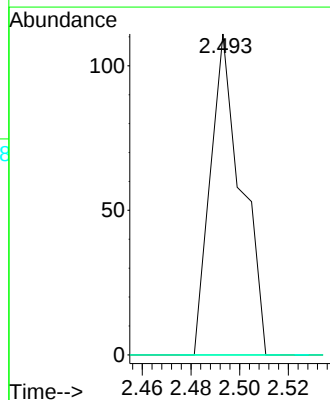
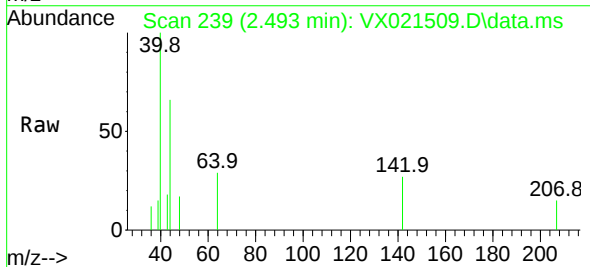
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 94 Resp: 111
Ion Ratio Lower Upper
94 100
96 57.5 76.4 114.6#



#10
Methyl Iodide
Concen: 6.81 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion: 142 Resp: 98
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

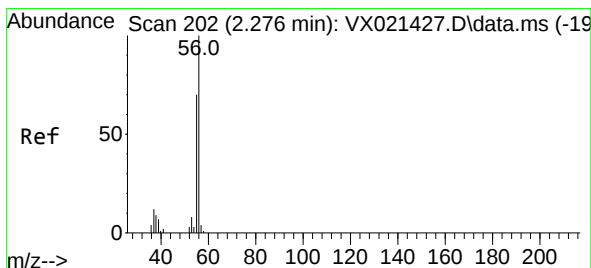
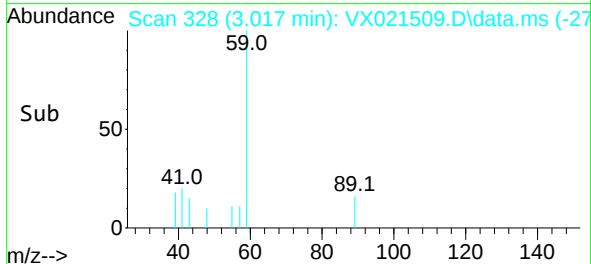
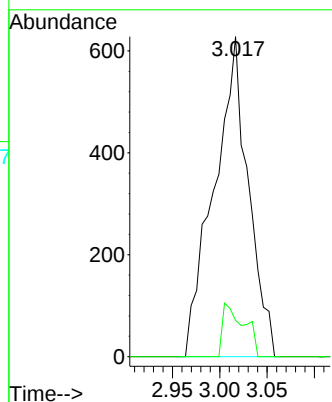
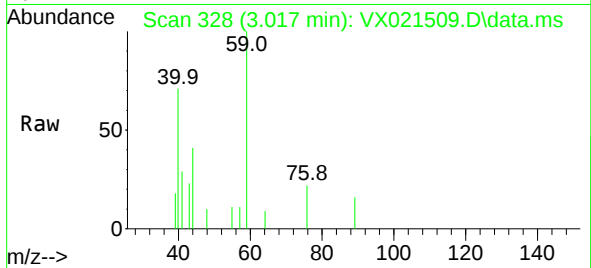




#11
Tert butyl alcohol
Concen: 8.99 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

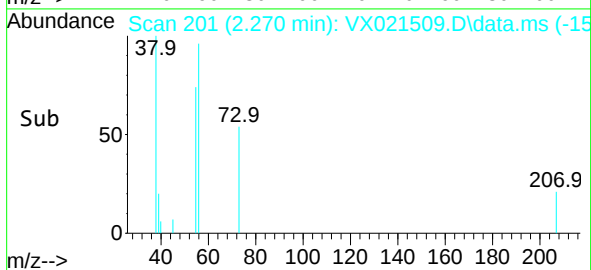
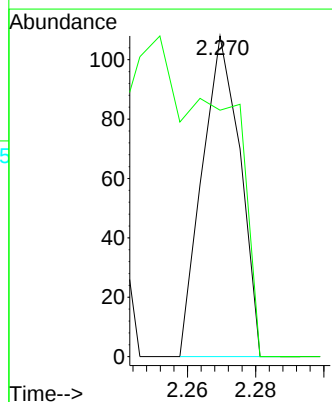
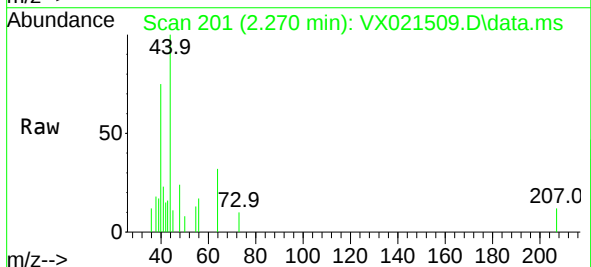
Instrument :
MSVOA_X
ClientSampled :

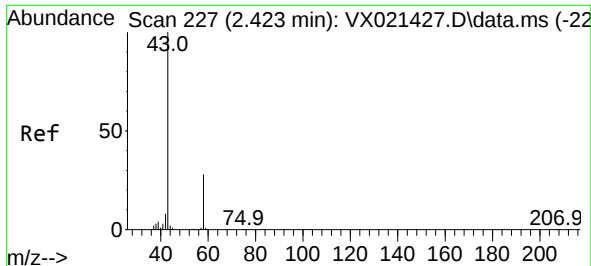
Tgt Ion: 59 Resp: 1580
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8



#13
Acrolein
Concen: 5.22 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

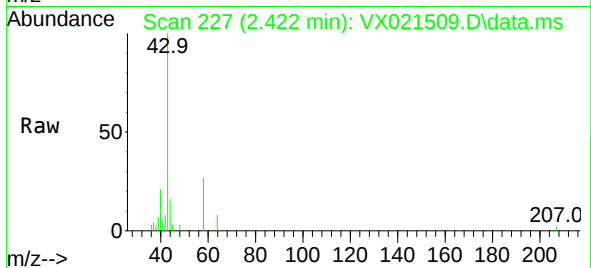
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



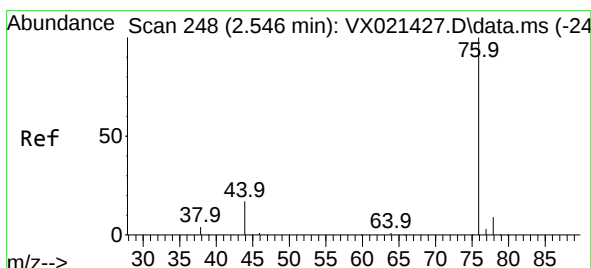
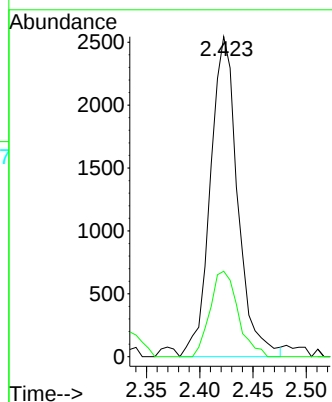
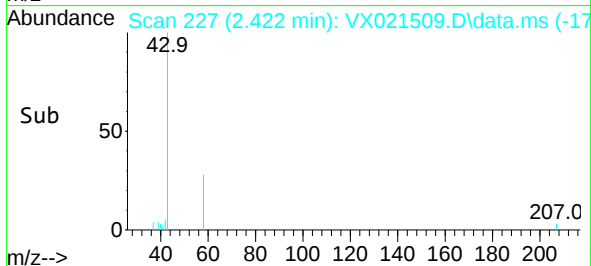


#16
Acetone
Concen: 11.31 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

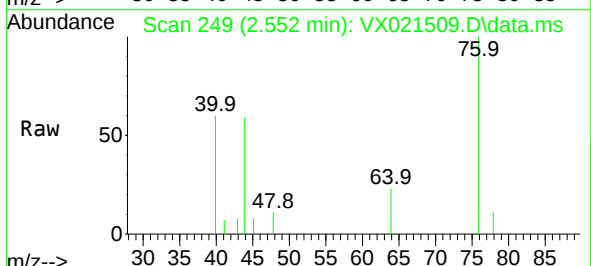
Instrument :
MSVOA_X
ClientSampled :



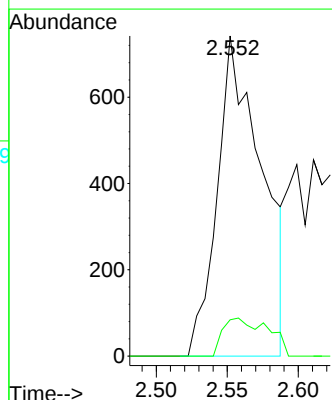
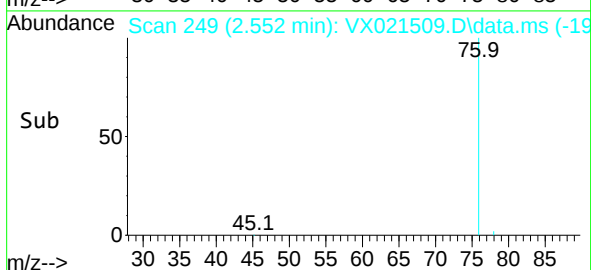
Tgt Ion: 43 Resp: 4546
Ion Ratio Lower Upper
43 100
58 26.7 27.8 41.8#

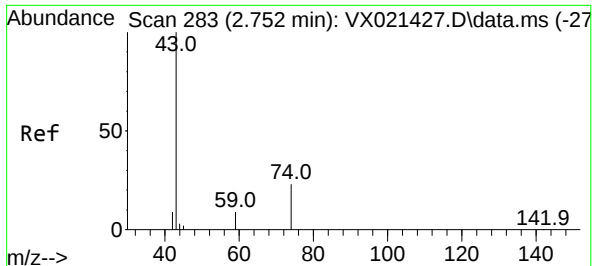


#17
Carbon Disulfide
Concen: 0.89 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54



Tgt Ion: 76 Resp: 1606
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#





#18

Methyl Acetate

Concen: 0.30 ug/l

RT: 2.758 min Scan# 284

Delta R.T. 0.006 min

Lab File: VX021509.D

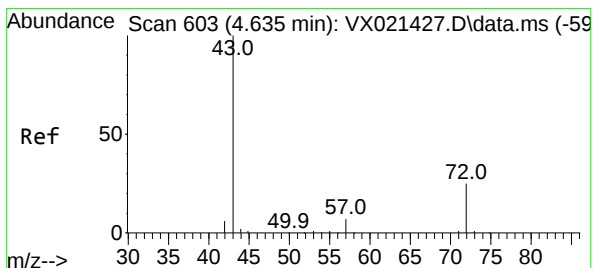
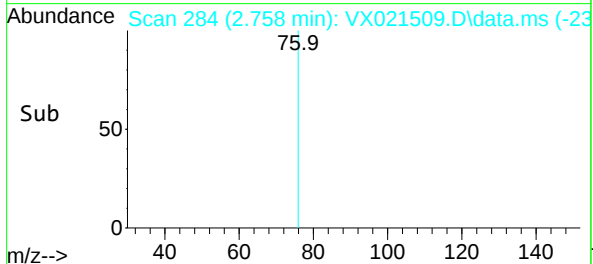
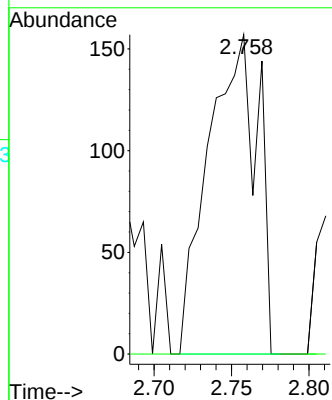
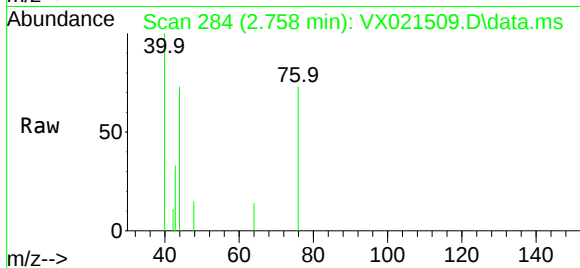
Acq: 26 Mar 2021 00:54

Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#25

2-Butanone

Concen: 1.20 ug/l

RT: 4.646 min Scan# 605

Delta R.T. 0.011 min

Lab File: VX021509.D

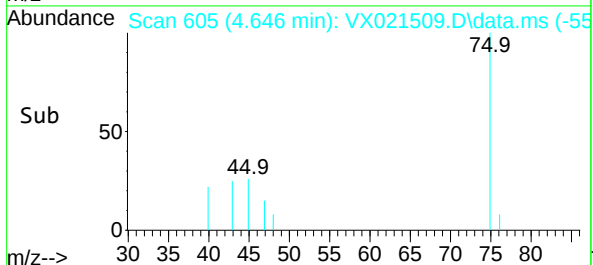
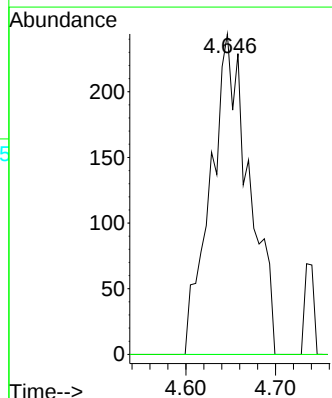
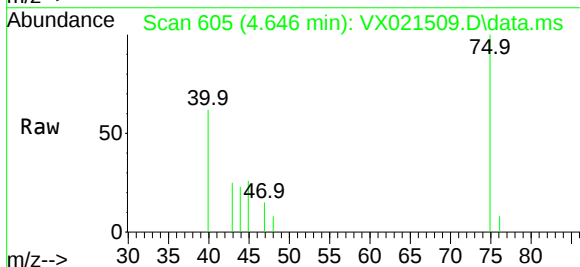
Acq: 26 Mar 2021 00:54

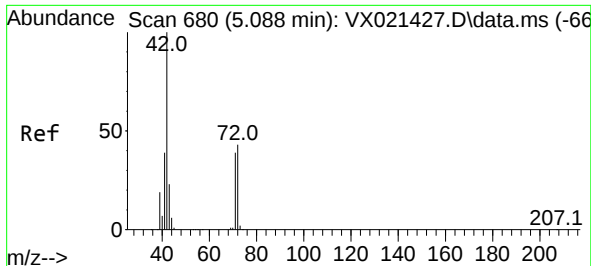
Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.34 ug/l

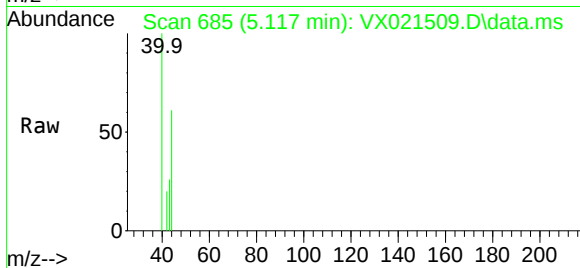
RT: 5.117 min Scan# 685

Delta R.T. 0.029 min

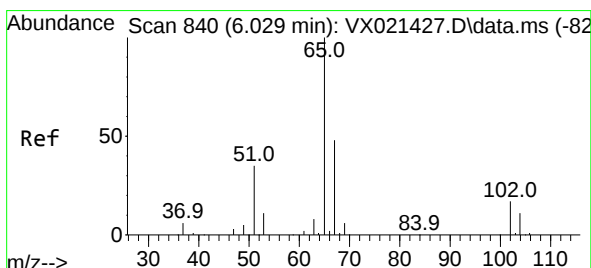
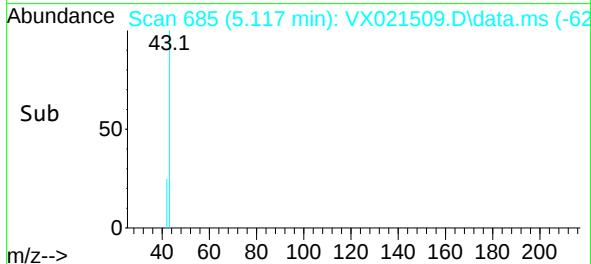
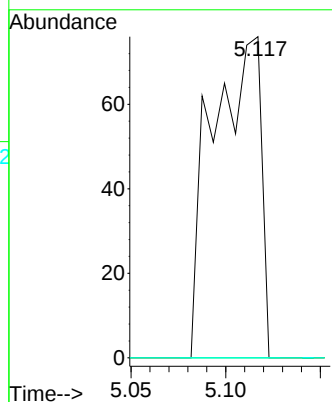
Lab File: VX021509.D

Acq: 26 Mar 2021 00:54

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MSVOA_X
ClientSampled :



Tgt Ion:	42	Resp:	134
Ion Ratio	Lower	Upper	
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



#33

1,2-Dichloroethane-d4

Concen: 52.58 ug/l

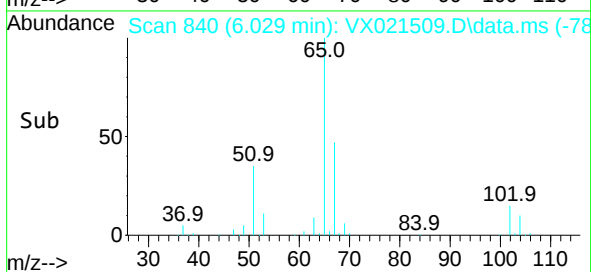
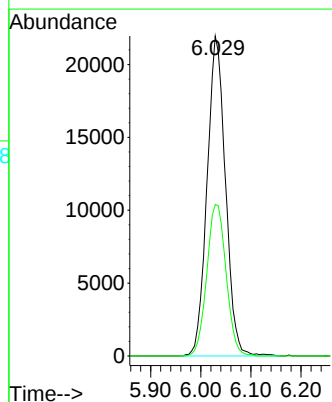
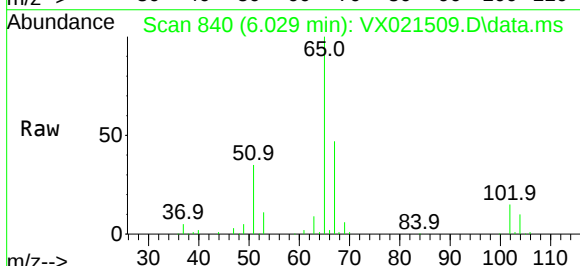
RT: 6.029 min Scan# 840

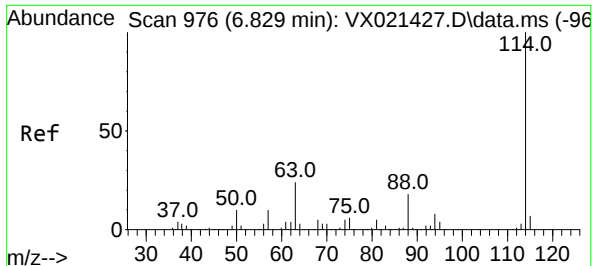
Delta R.T. -0.000 min

Lab File: VX021509.D

Acq: 26 Mar 2021 00:54

Tgt Ion:	65	Resp:	55919
Ion Ratio	Lower	Upper	
65	100		
67	49.7	0.0	105.4

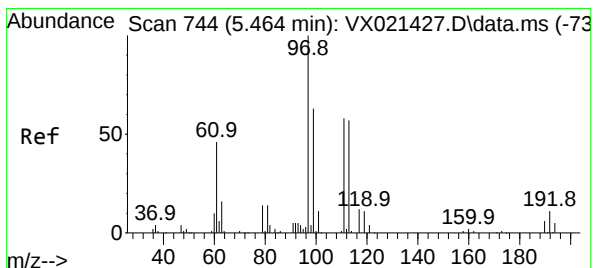
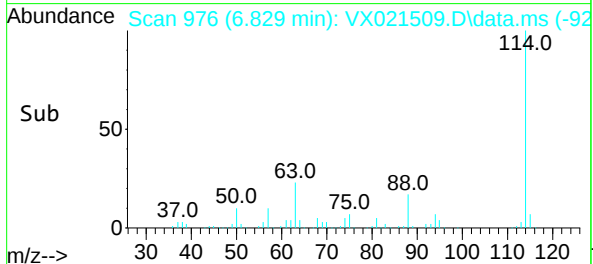
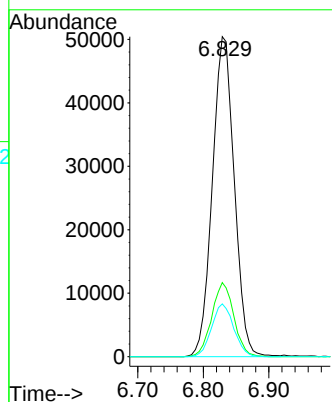
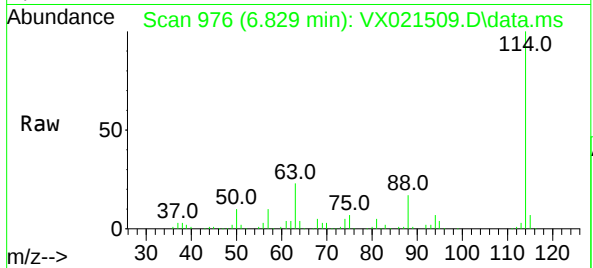




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

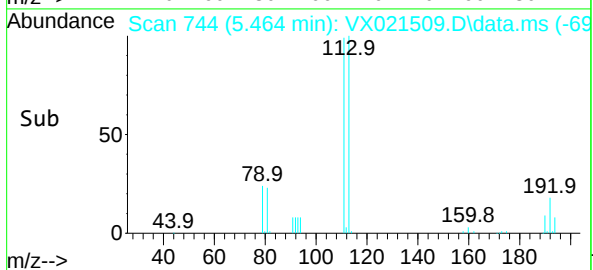
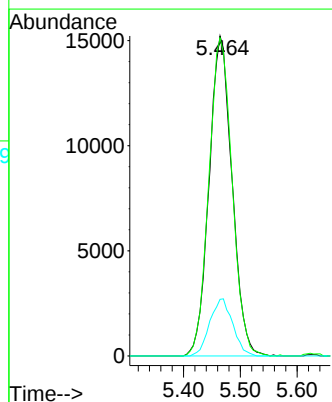
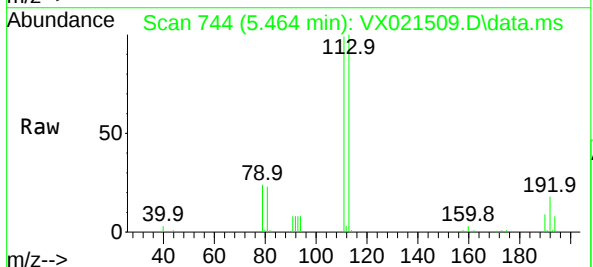
Instrument :
MSVOA_X
ClientSampled :

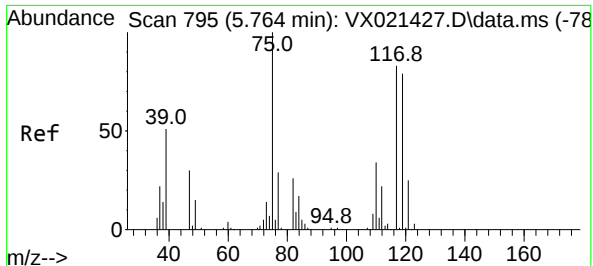
Tgt Ion:114 Resp: 117125
Ion Ratio Lower Upper
114 100
63 23.1 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.30 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion:113 Resp: 42679
Ion Ratio Lower Upper
113 100
111 100.6 81.9 122.9
192 17.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.04 ug/l

RT: 5.623 min Scan# 771

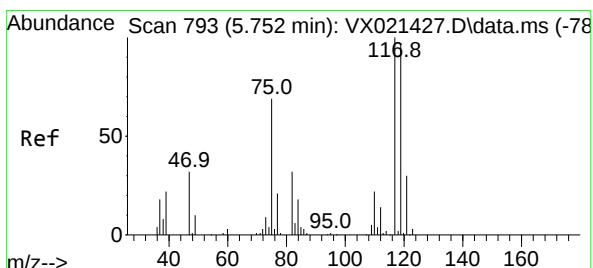
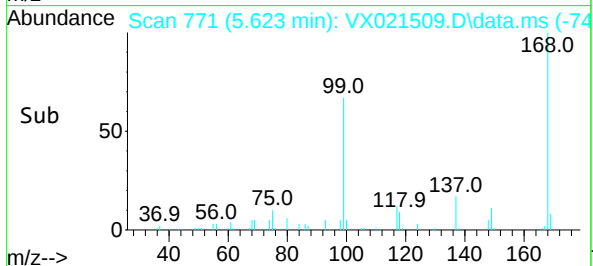
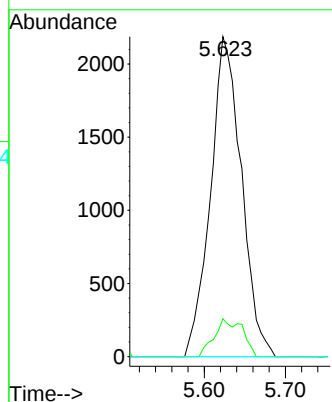
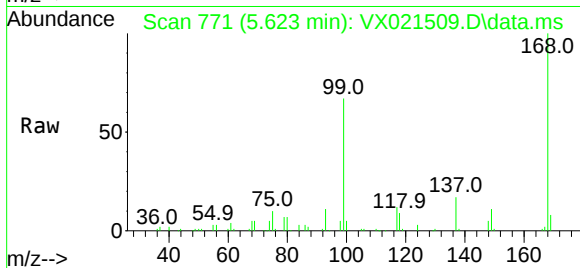
Delta R.T. -0.141 min

Lab File: VX021509.D

Acq: 26 Mar 2021 00:54

Tgt Ion:	75	Resp:	5784
Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.97 ug/l

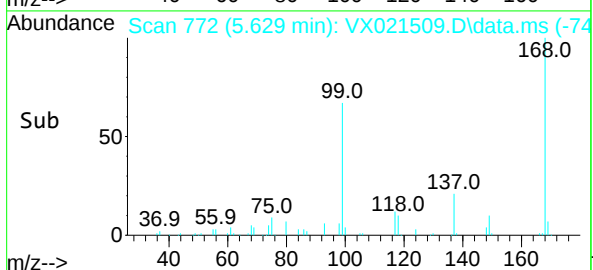
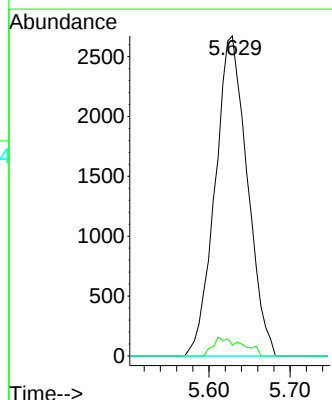
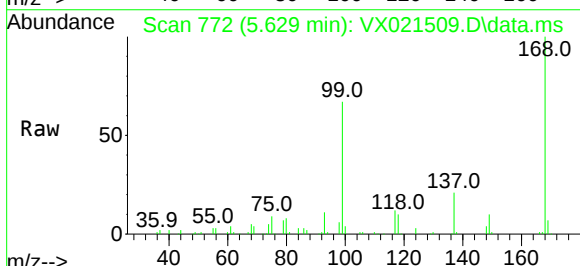
RT: 5.629 min Scan# 772

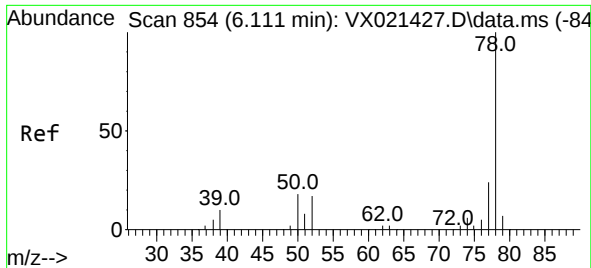
Delta R.T. -0.123 min

Lab File: VX021509.D

Acq: 26 Mar 2021 00:54

Tgt Ion:	117	Resp:	7364
Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.2	114.2#
121	0.0	24.8	37.2#

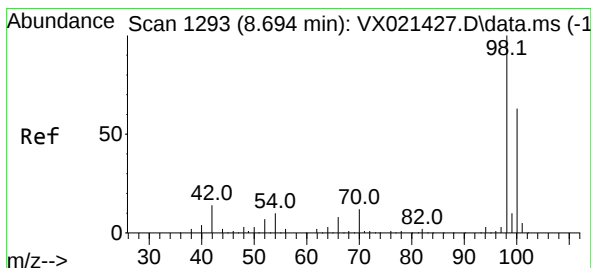
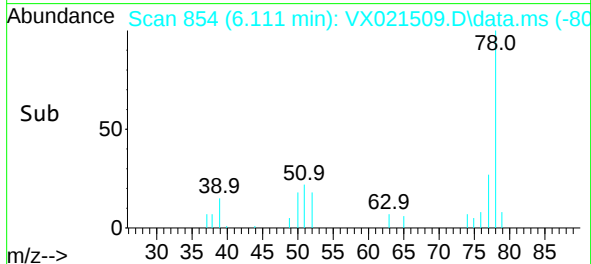
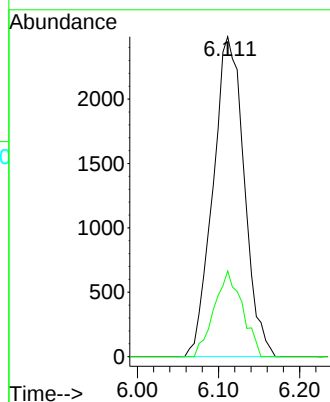
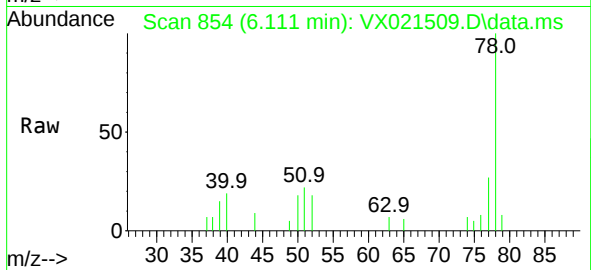




#40
Benzene
Concen: 2.03 ug/l
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

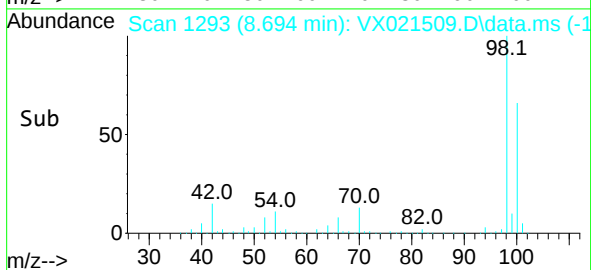
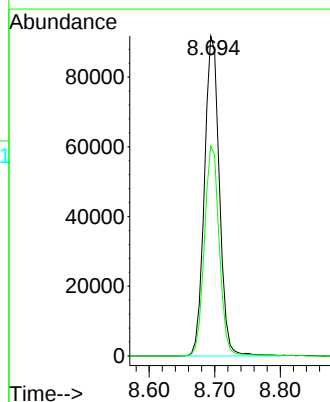
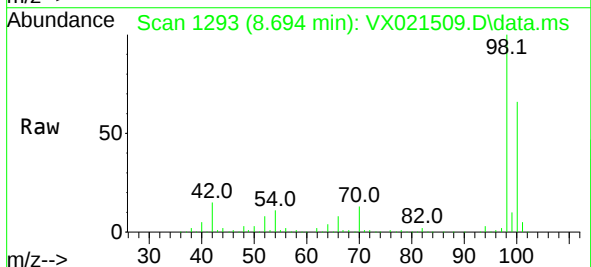
Instrument :
MSVOA_X
ClientSampled :

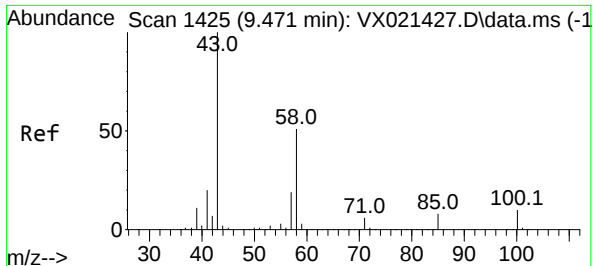
Tgt Ion: 78 Resp: 6624
Ion Ratio Lower Upper
78 100
77 26.8 18.9 28.3



#50
Toluene-d8
Concen: 49.20 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion: 98 Resp: 145877
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

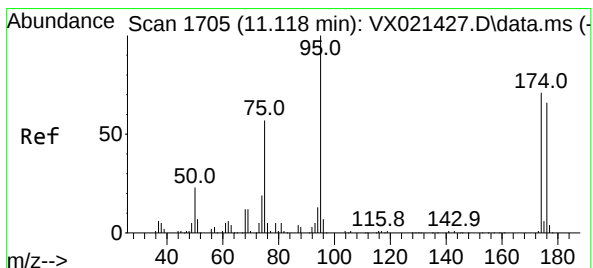
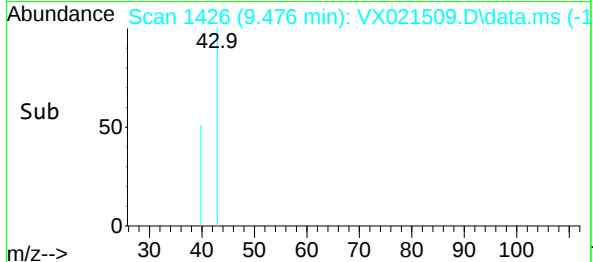
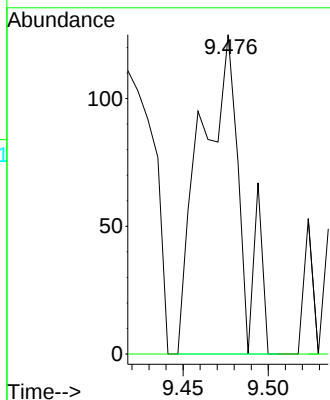
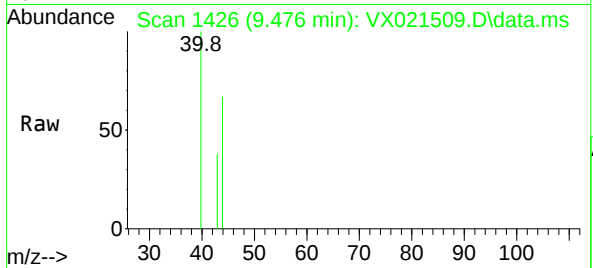




#59
2-Hexanone
Concen: 0.21 ug/l
RT: 9.476 min Scan# 1426
Delta R.T. 0.005 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

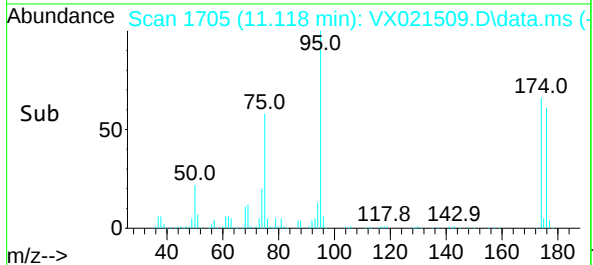
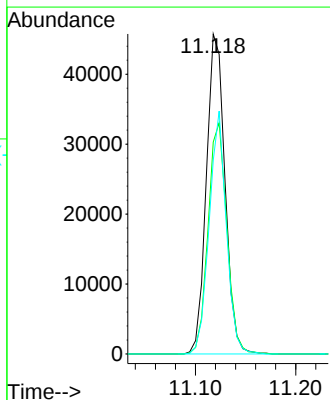
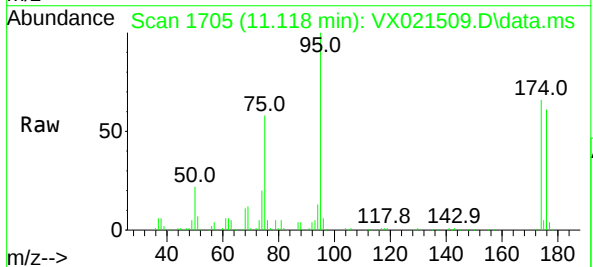
Instrument :
MSVOA_X
ClientSampled :

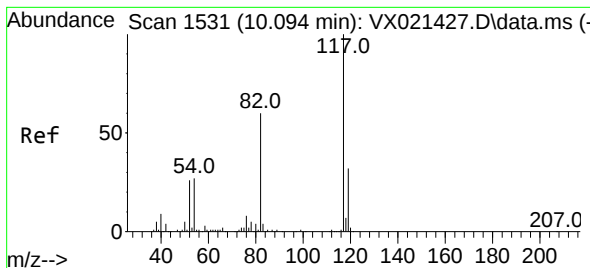
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 51.26 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion: 95 Resp: 59081
Ion Ratio Lower Upper
95 100
174 73.0 0.0 154.6
176 69.8 0.0 155.8

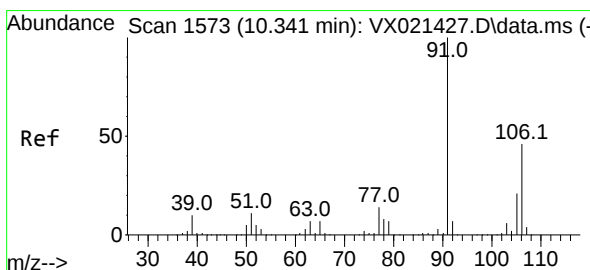
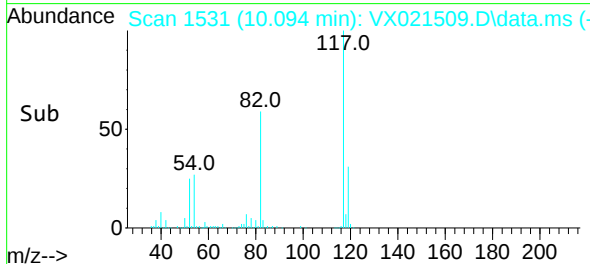
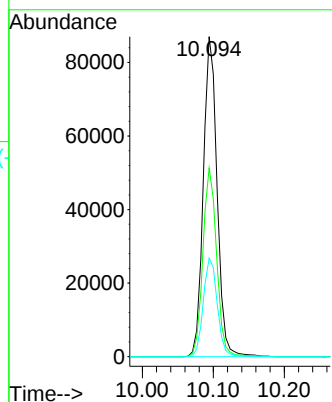
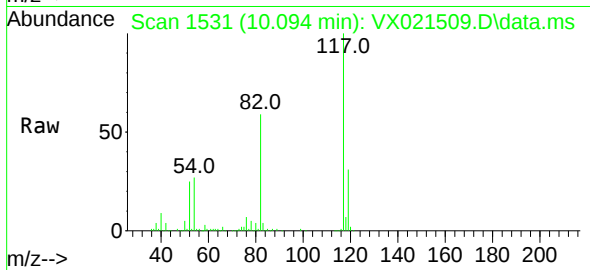




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

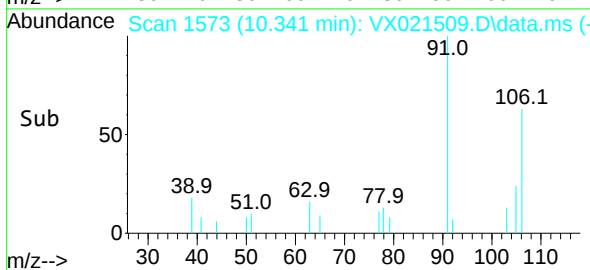
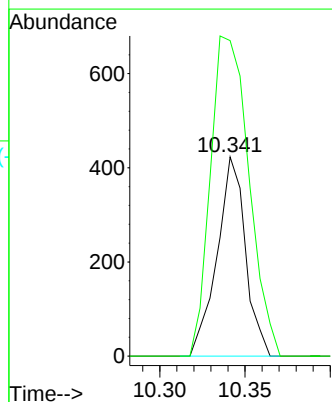
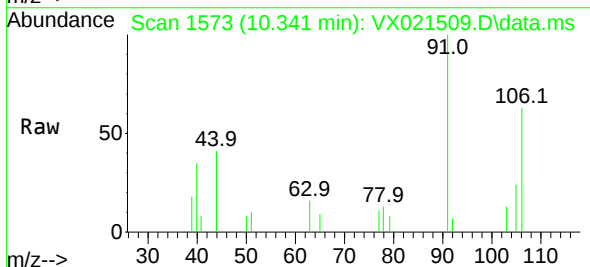
Instrument :
MSVOA_X
ClientSampleId :

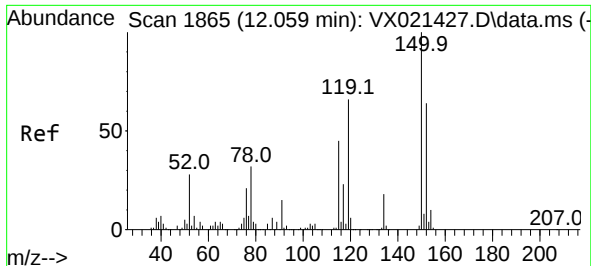
Tgt Ion:117 Resp: 117596
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 30.8 26.6 39.8



#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion:106 Resp: 490
Ion Ratio Lower Upper
106 100
91 217.1 162.8 244.2

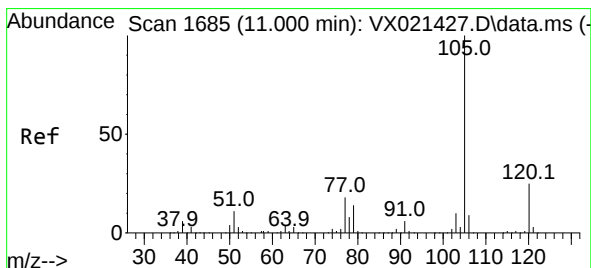
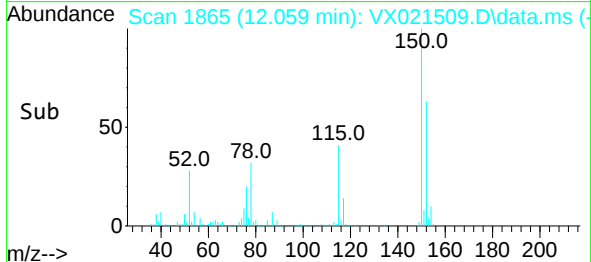
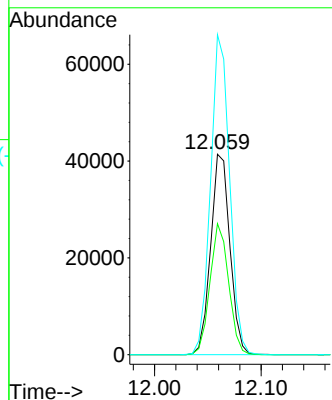
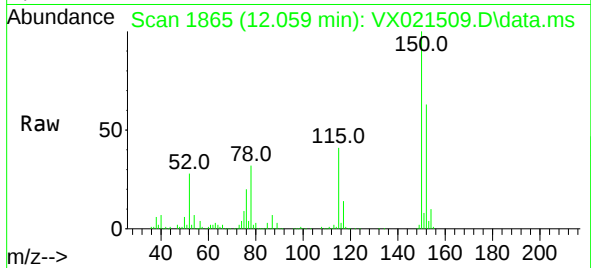




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

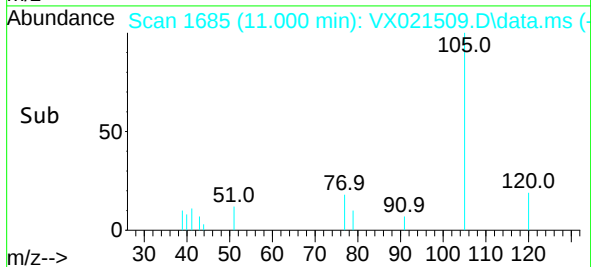
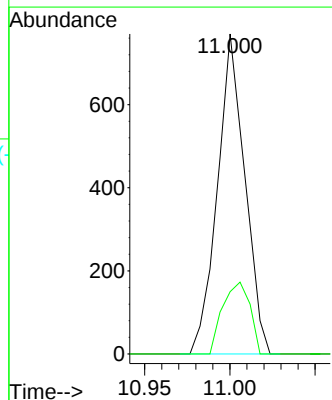
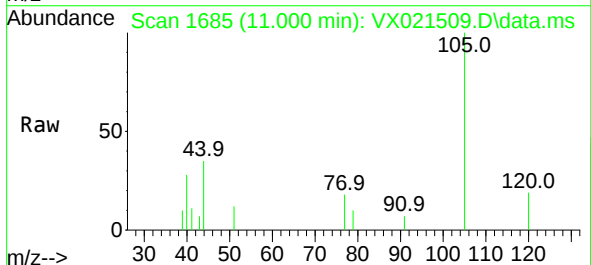
Instrument :
MSVOA_X
ClientSampleId :

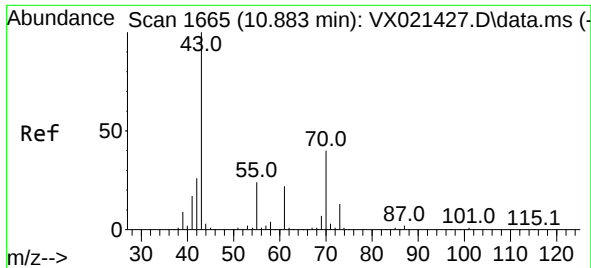
Tgt Ion:152 Resp: 52001
Ion Ratio Lower Upper
152 100
115 63.3 41.1 123.3
150 157.6 0.0 349.0



#73
Isopropylbenzene
Concen: 0.24 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion:105 Resp: 862
Ion Ratio Lower Upper
105 100
120 22.3 13.2 39.6

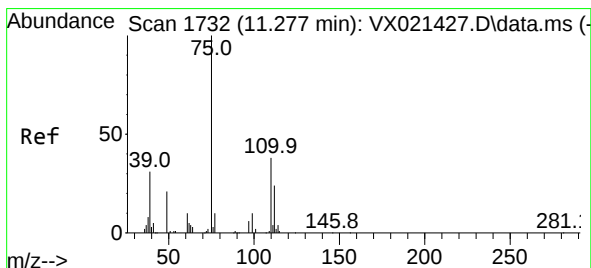
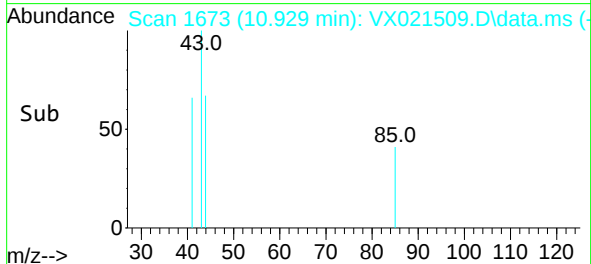
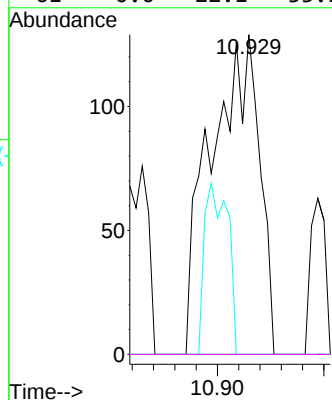
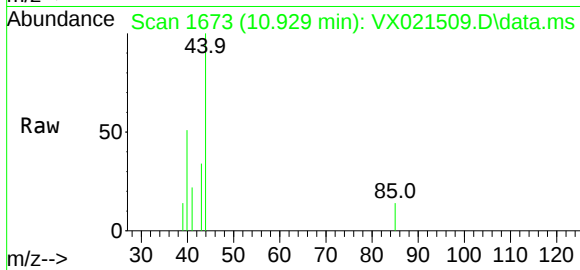




#74
N-amy1 acetate
Concen: 0.23 ug/l
RT: 10.929 min Scan# 1673
Delta R.T. 0.046 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

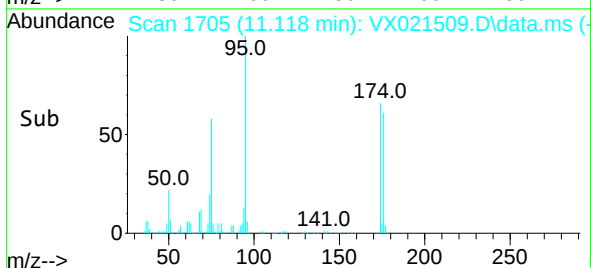
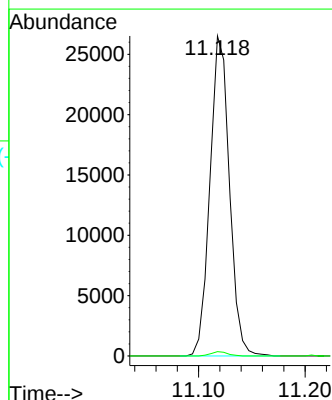
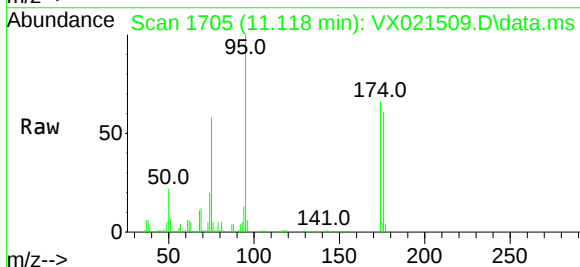
Instrument :
MSVOA_X
ClientSampleId :

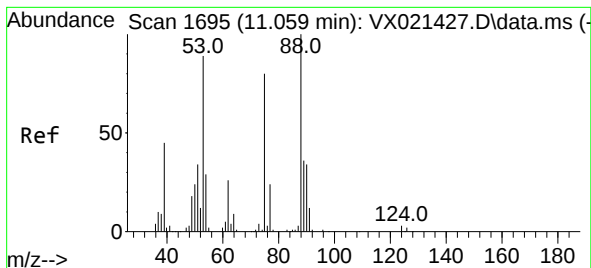
Tgt Ion: 43	Resp: 407
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 0.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.83 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Tgt Ion: 75	Resp: 33696
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#

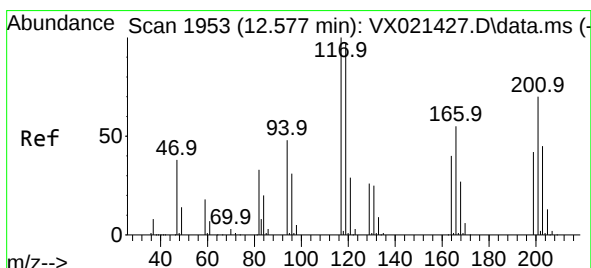
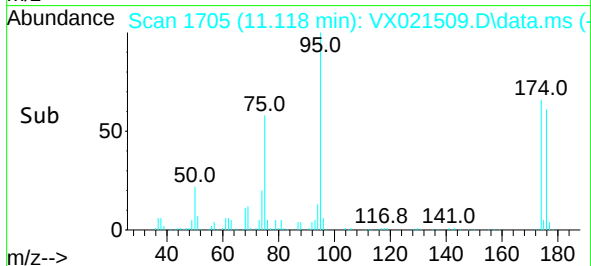
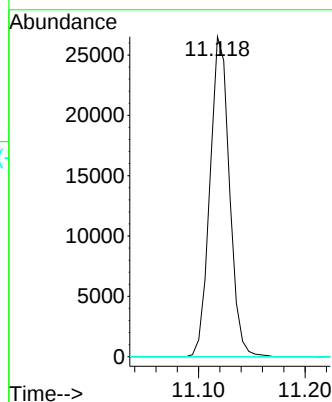
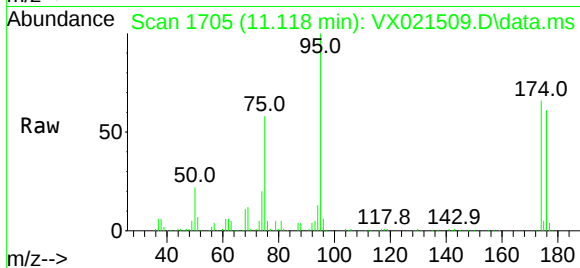




#81
trans-1,4-Dichloro-2-butene
Concen: 84.78 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

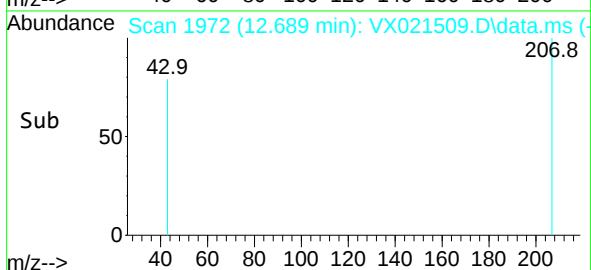
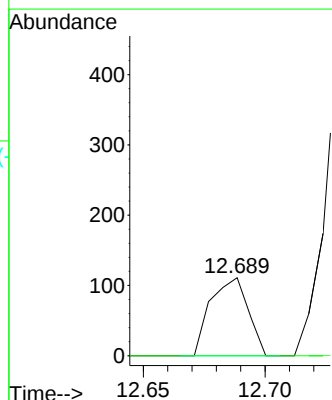
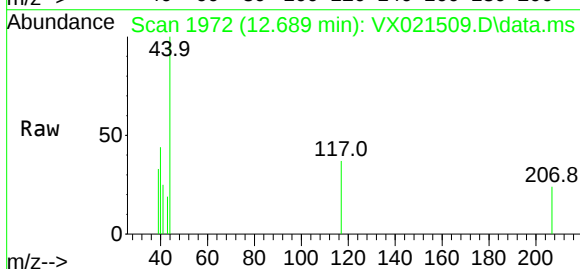
Instrument :
MSVOA_X
ClientSampleId :

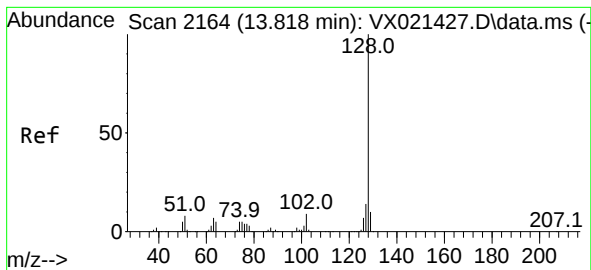
Tgt Ion: 75 Resp: 33696
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 0.21 ug/l
RT: 12.689 min Scan# 1972
Delta R.T. 0.112 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

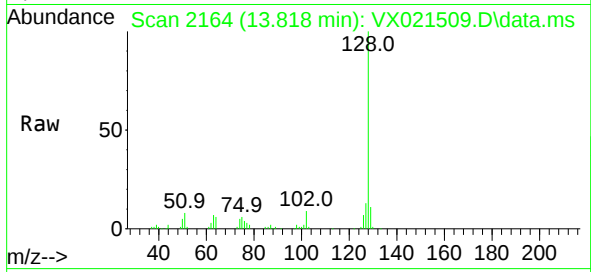
Tgt Ion: 117 Resp: 119
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 7.20 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021509.D
Acq: 26 Mar 2021 00:54

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	24391
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.3	15.5
129	10.8	8.8	13.2

