

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023208.D
 Acq On : 08 Jul 2021 18:37
 Operator : JC/MD
 Sample : PB137563ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 09 08:14:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

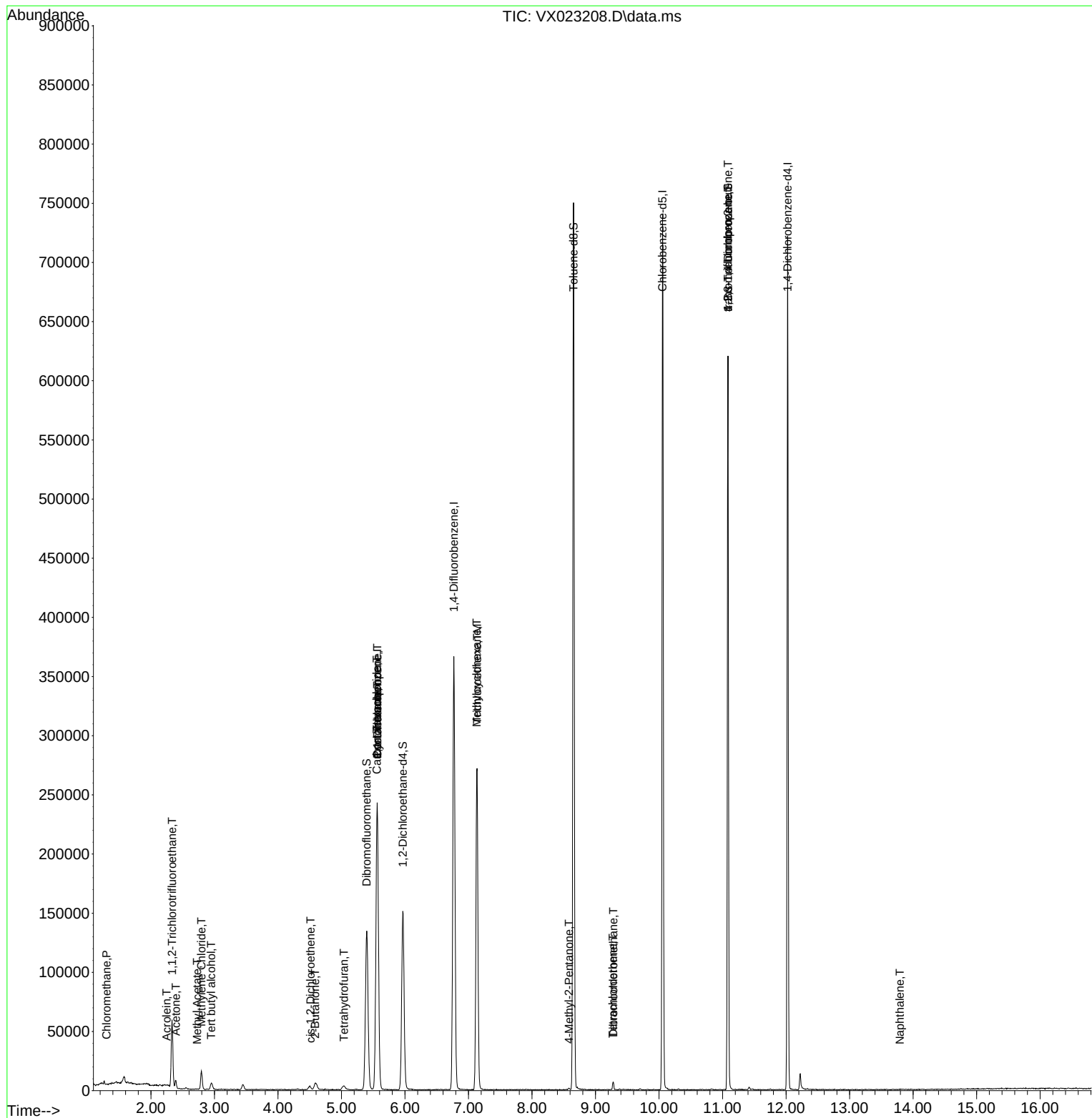
Internal Standards						
1) Pentafluorobenzene	5.562	168	224168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	364071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	333310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155379	51.573	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.140%			
35) Dibromofluoromethane	5.397	113	117075	49.798	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.600%			
50) Toluene-d8	8.653	98	437861	49.928	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.860%			
62) 4-Bromofluorobenzene	11.085	95	161025	47.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.120%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	582	0.290	ug/l #	85
5) Bromomethane	1.611	94	486	Below Cal		85
9) 1,1,2-Trichlorotrifluo...	2.331	101	21916	10.123	ug/l	96
11) Tert butyl alcohol	2.947	59	3557	5.612	ug/l #	73
13) Acrolein	2.246	56	230	0.545	ug/l	88
16) Acetone	2.392	43	7055	5.919	ug/l	90
18) Methyl Acetate	2.727	43	593	0.205	ug/l #	47
20) Methylene Chloride	2.794	84	6555	2.554	ug/l	95
25) 2-Butanone	4.587	43	1266	0.704	ug/l #	45
27) cis-1,2-Dichloroethene	4.513	96	1963	0.751	ug/l	88
29) Tetrahydrofuran	5.038	42	3076	2.662	ug/l	92
31) Cyclohexane	5.562	56	4742	1.315	ug/l #	11
36) 1,1-Dichloropropene	5.562	75	17598	5.422	ug/l #	49
38) Carbon Tetrachloride	5.556	117	22728	6.709	ug/l #	15
39) Methylcyclohexane	7.129	83	1373	0.362	ug/l #	1
44) Trichloroethene	7.135	130	106009	39.657	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	998	0.273	ug/l #	61
60) Dibromochloromethane	9.281	129	1300	3.539	ug/l #	11
64) Tetrachloroethene	9.275	164	1195	0.450	ug/l #	79
76) 1,2,3-Trichloropropane	11.085	75	83538	29.369	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	83538	78.956	ug/l #	12
95) Naphthalene	13.792	128	289	1.302	ug/l #	78

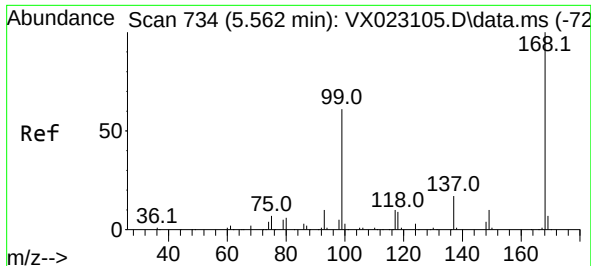
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
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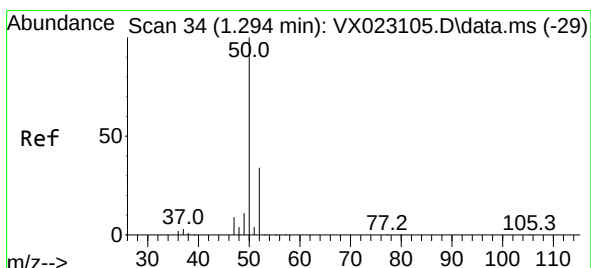
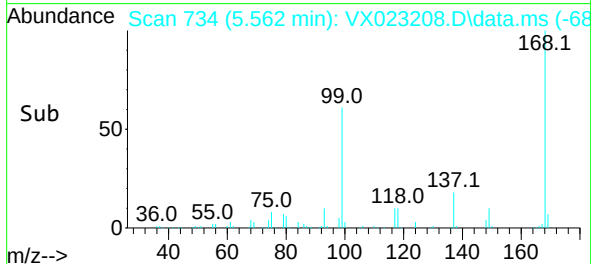
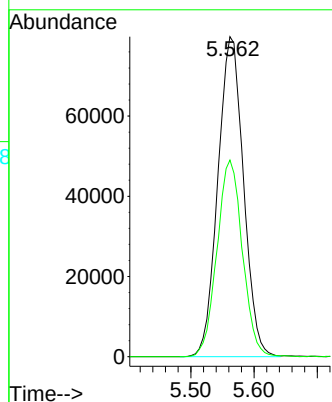
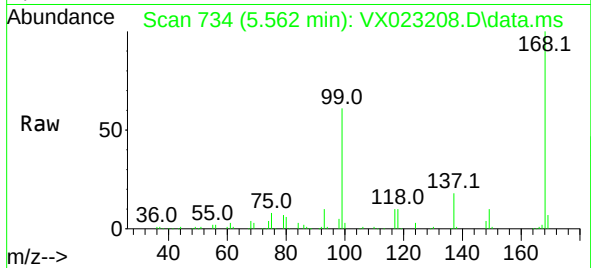




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

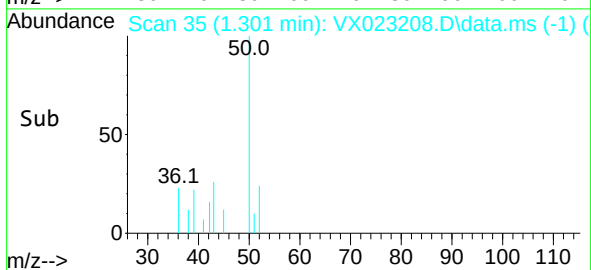
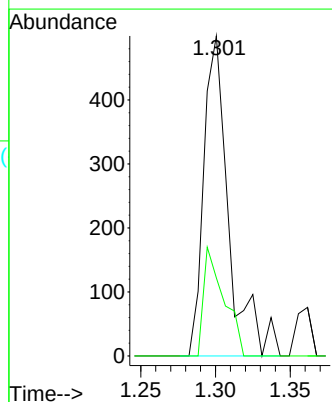
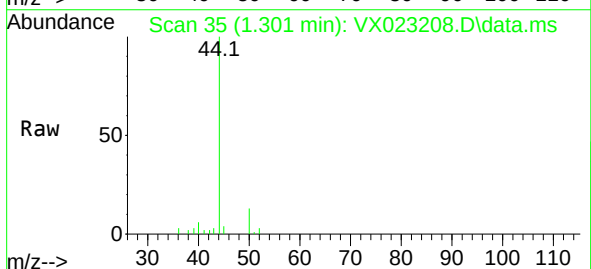
Instrument :
MSVOA_X
ClientSampled :

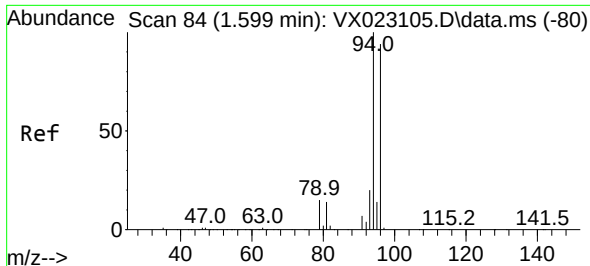
Tgt Ion:168 Resp: 224168
Ion Ratio Lower Upper
168 100
99 61.4 45.8 68.6



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion: 50 Resp: 582
Ion Ratio Lower Upper
50 100
52 24.4 26.4 39.6#

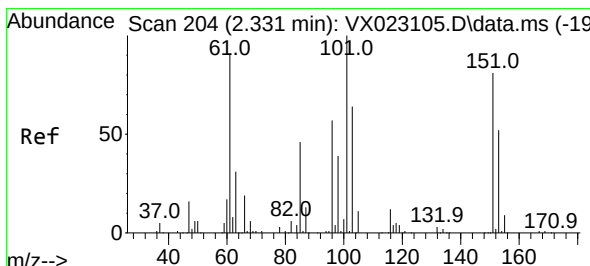
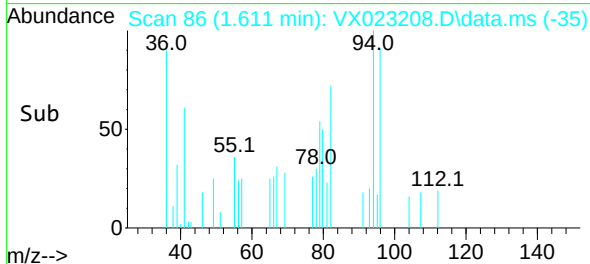
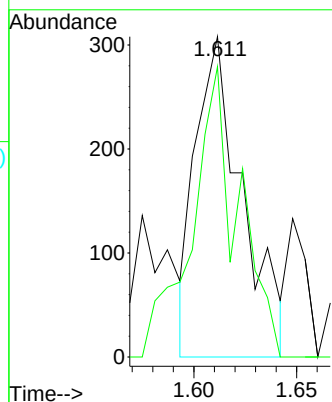
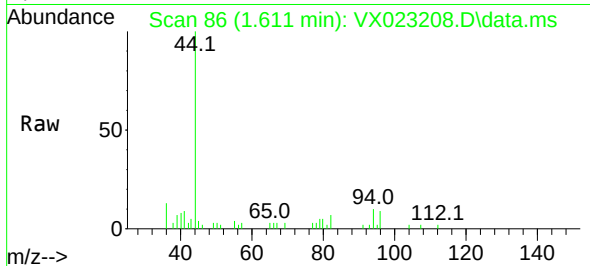




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

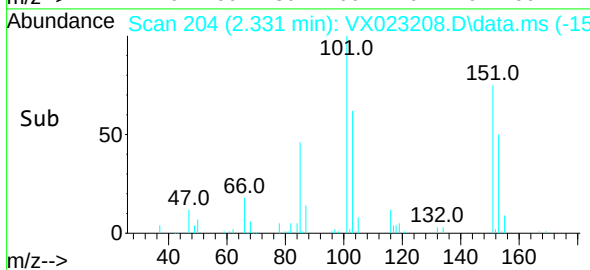
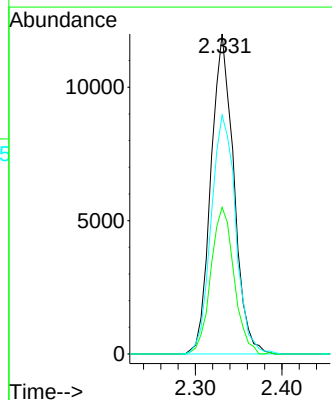
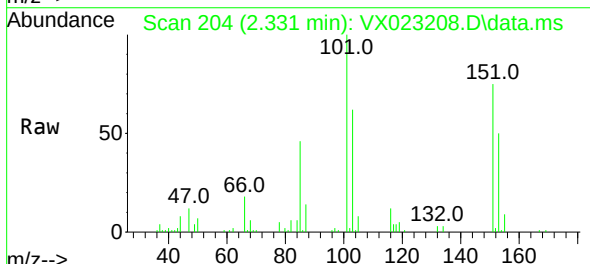
Instrument :
MSVOA_X
ClientSampled :

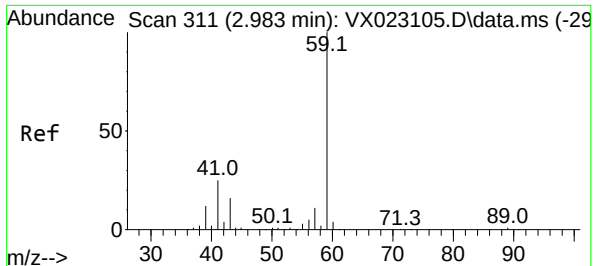
Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 109.8 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.123 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion: 101 Resp: 21916
Ion Ratio Lower Upper
101 100
85 46.5 34.9 52.3
151 80.3 61.4 92.2



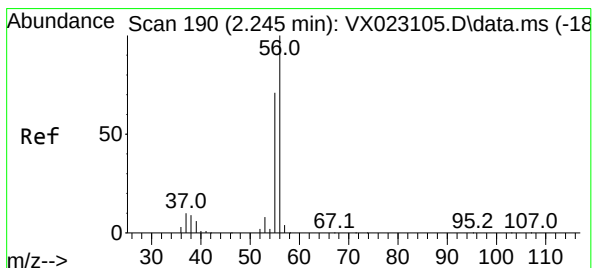
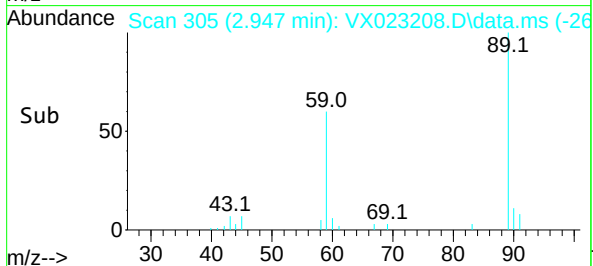
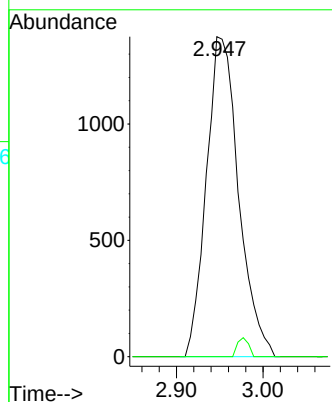
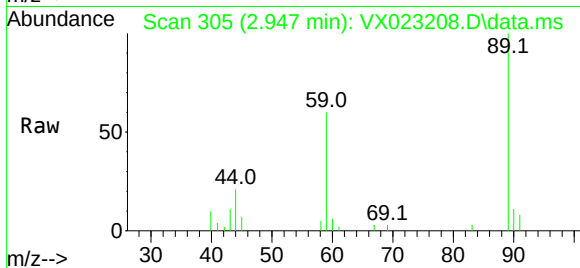


#11

Tert butyl alcohol
Concen: 5.612 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Instrument :
MSVOA_X
ClientSampled :

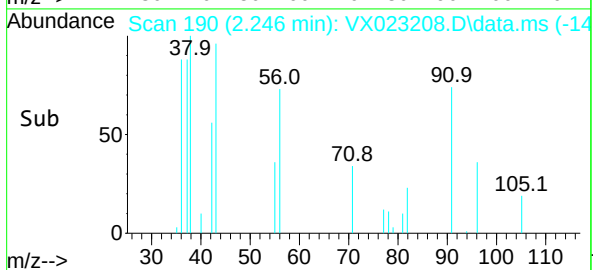
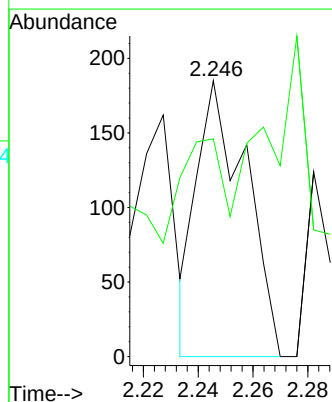
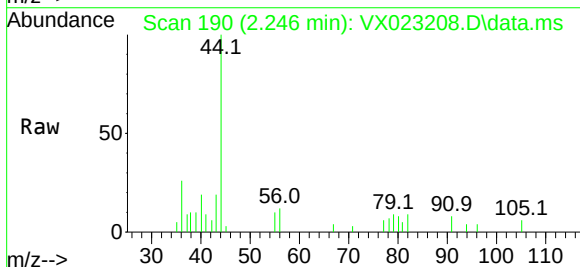
Tgt Ion: 59 Resp: 3557
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

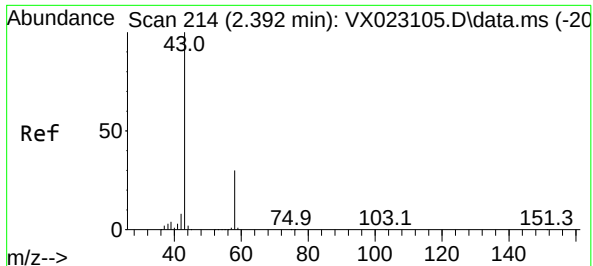


#13

Acrolein
Concen: 0.545 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 80.0 56.4 84.6

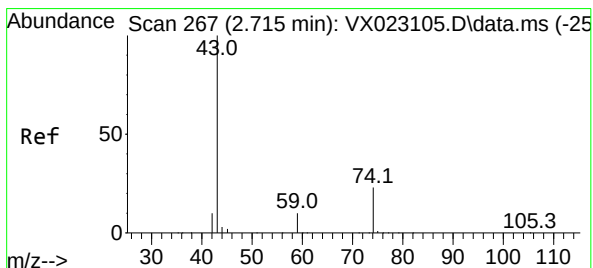
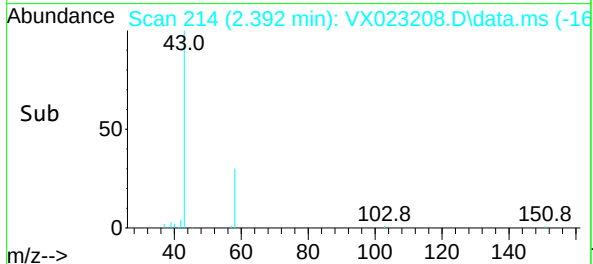
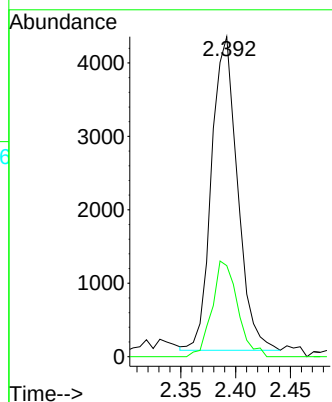
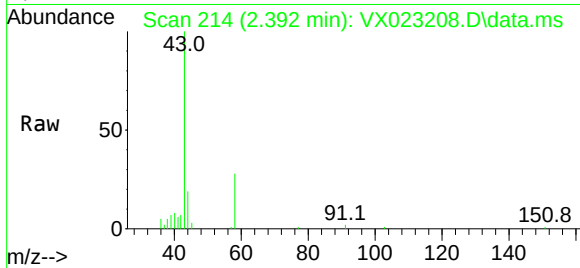




#16
Acetone
Concen: 5.919 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

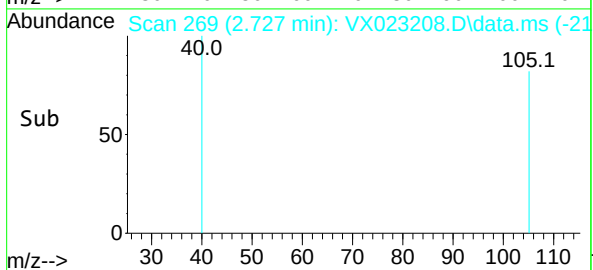
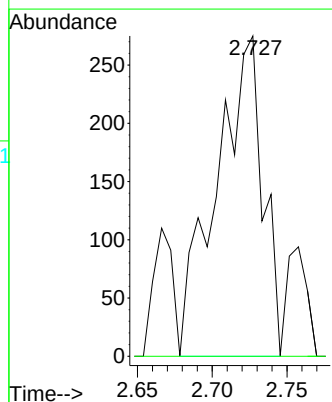
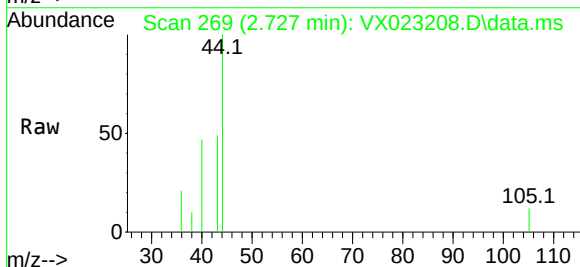
Instrument :
MSVOA_X
ClientSampled :

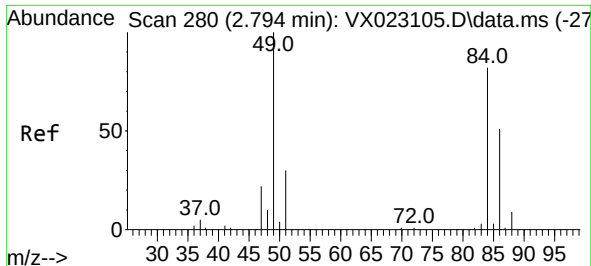
Tgt Ion: 43 Resp: 7055
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.012 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

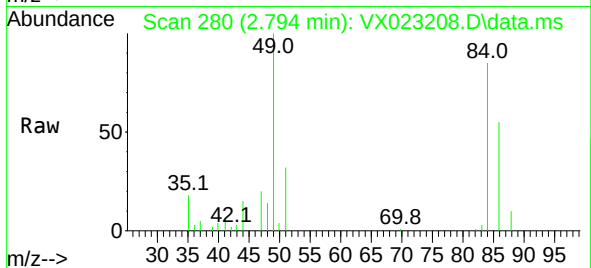
Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



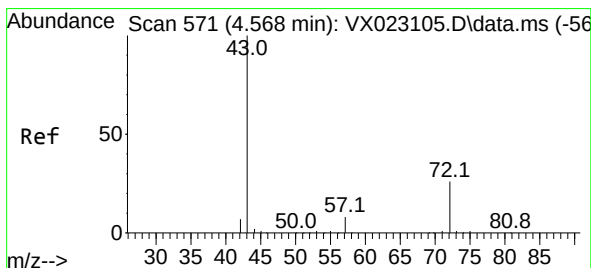
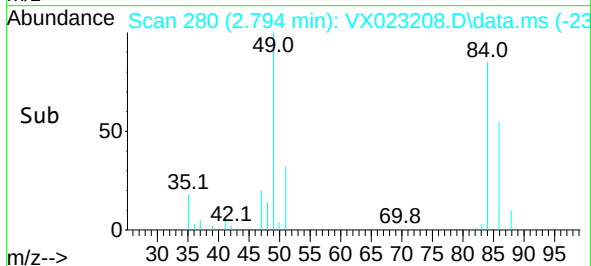
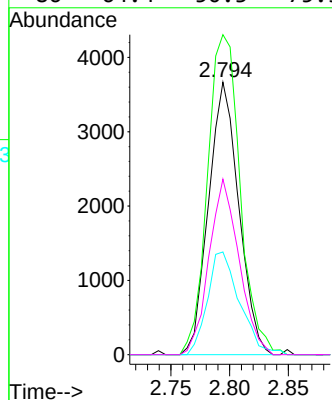


#20
Methylene Chloride
Concen: 2.554 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Instrument :
MSVOA_X
ClientSampled :

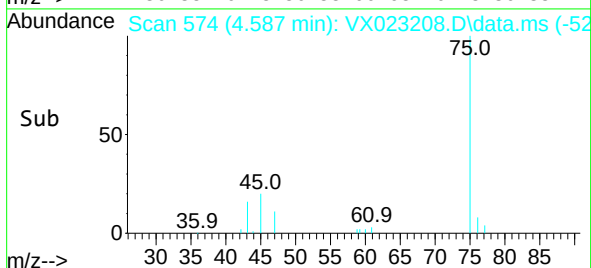
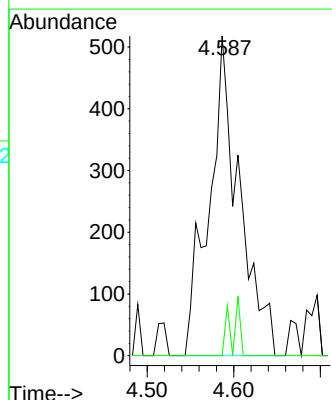
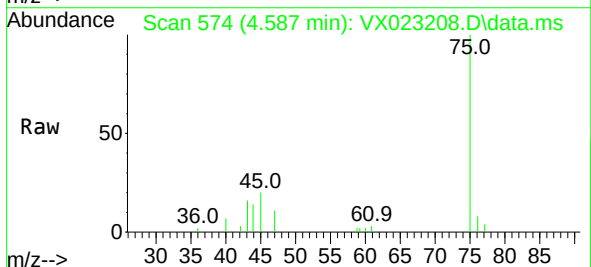


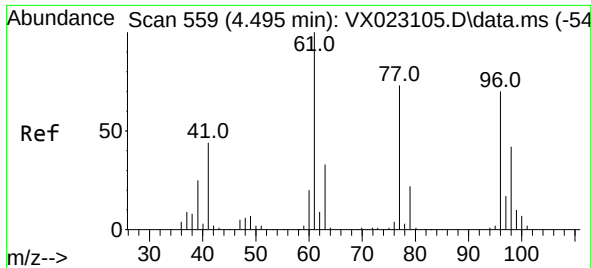
Tgt Ion:	84	Resp:	6555
Ion	Ratio	Lower	Upper
84	100		
49	117.5	88.6	132.8
51	37.7	27.0	40.6
86	64.4	50.3	75.5



#25
2-Butanone
Concen: 0.704 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion:	43	Resp:	1266
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#27

cis-1,2-Dichloroethene

Concen: 0.751 ug/l

RT: 4.513 min Scan# 562

Delta R.T. 0.018 min

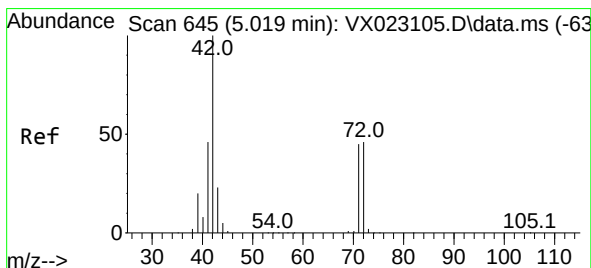
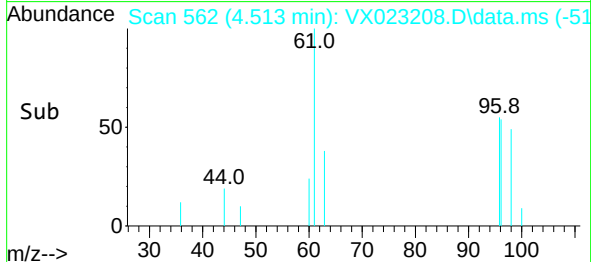
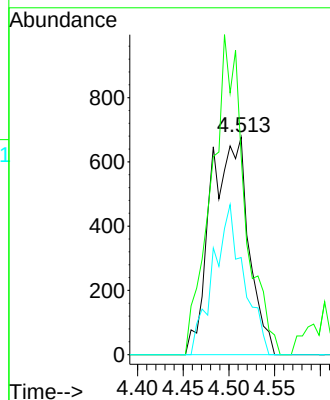
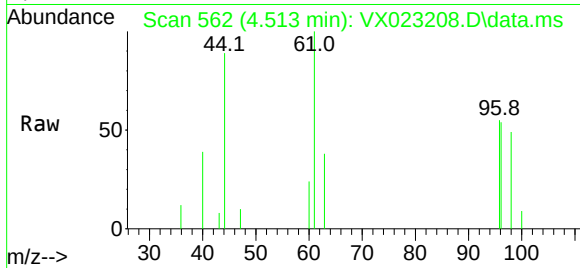
Lab File: VX023208.D

Acq: 08 Jul 2021 18:37

Tgt Ion: 96 Resp: 1963

Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	285.6
98	55.2	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#29

Tetrahydrofuran

Concen: 2.662 ug/l

RT: 5.038 min Scan# 648

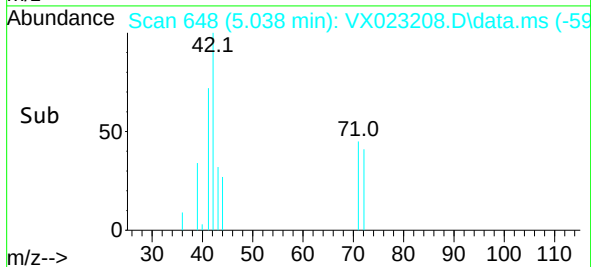
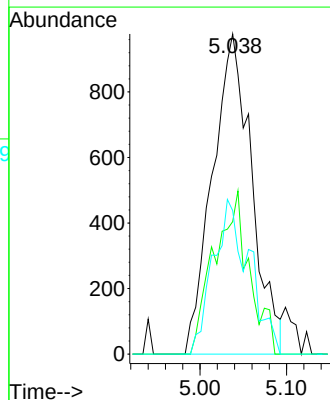
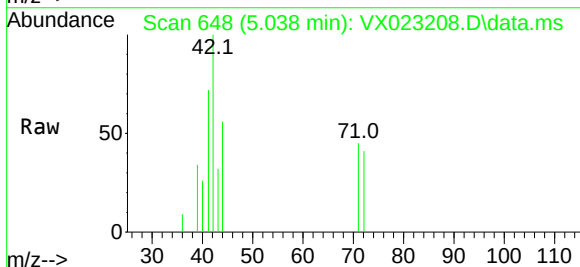
Delta R.T. 0.019 min

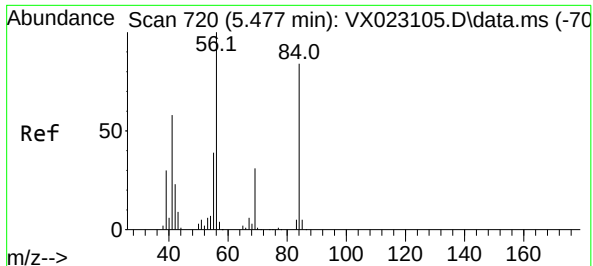
Lab File: VX023208.D

Acq: 08 Jul 2021 18:37

Tgt Ion: 42 Resp: 3076

Ion	Ratio	Lower	Upper
42	100		
72	45.2	41.7	62.5
71	44.5	38.4	57.6

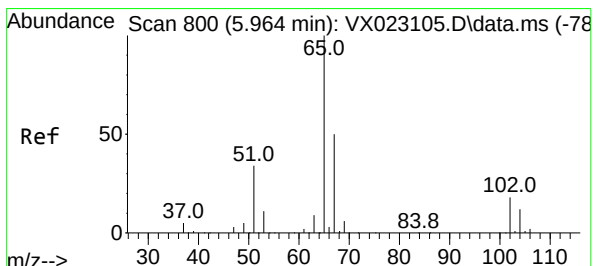
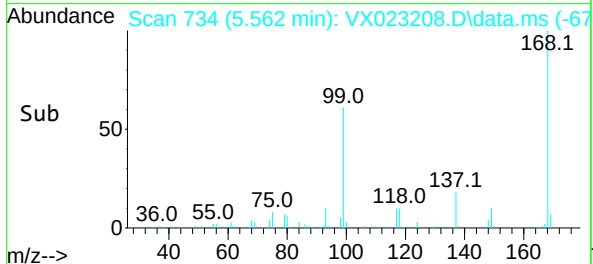
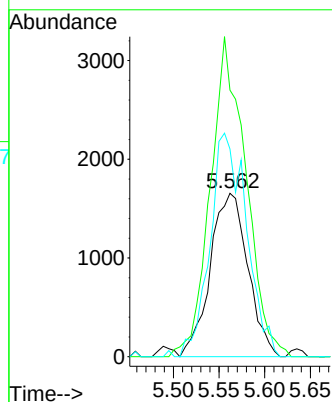
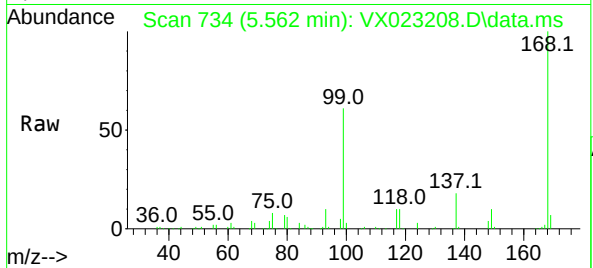




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

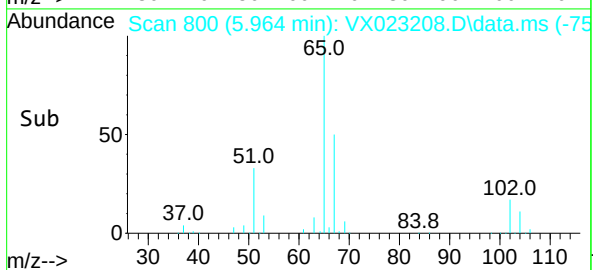
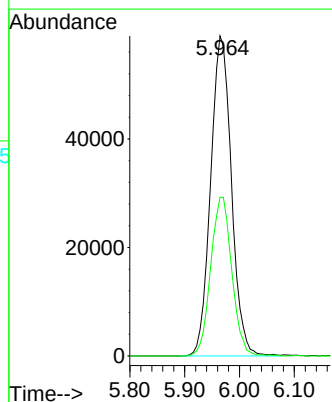
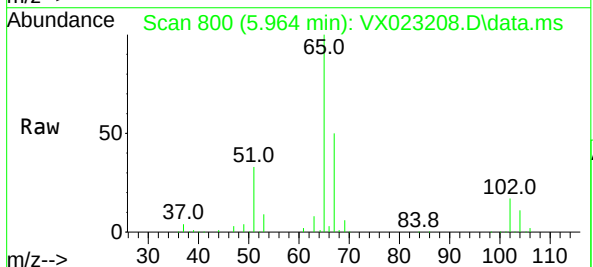
Instrument :
MSVOA_X
ClientSampleId :

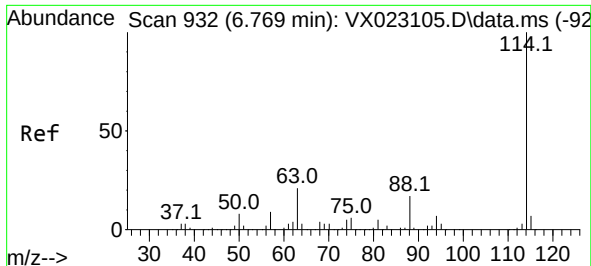
Tgt Ion: 56 Resp: 4742
Ion Ratio Lower Upper
56 100
69 157.1 25.3 37.9#
84 127.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.573 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion: 65 Resp: 155379
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

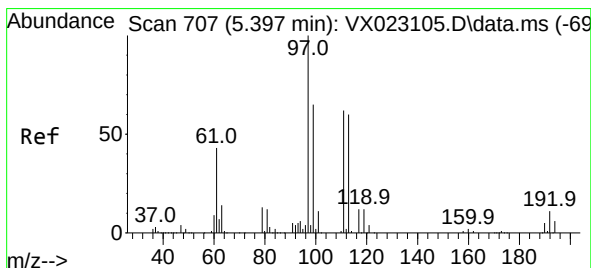
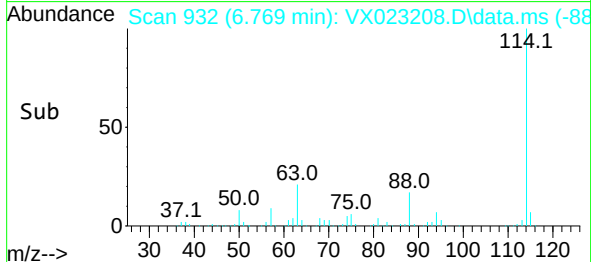
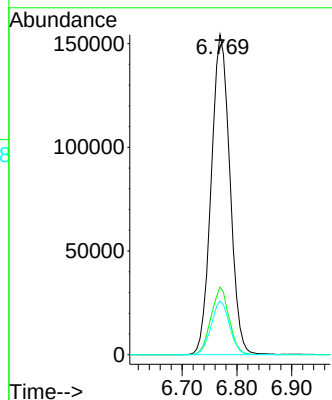
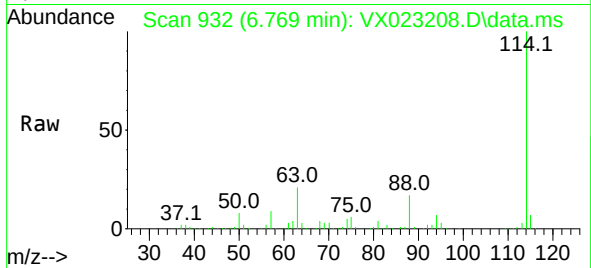




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

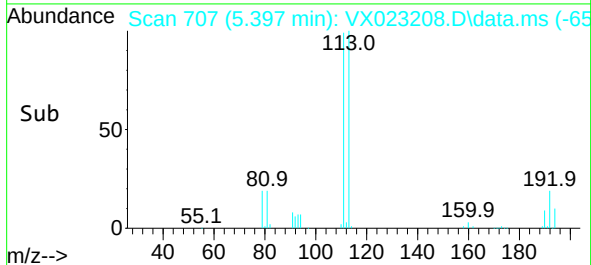
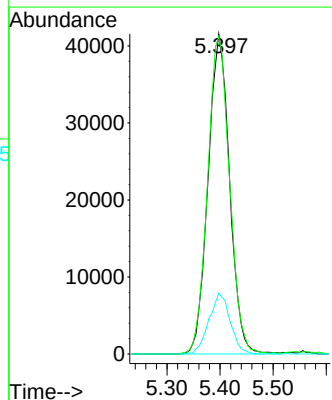
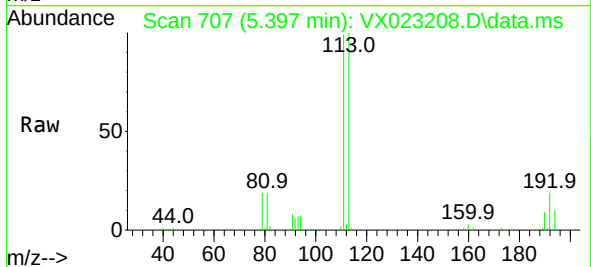
Instrument :
MSVOA_X
ClientSampled :

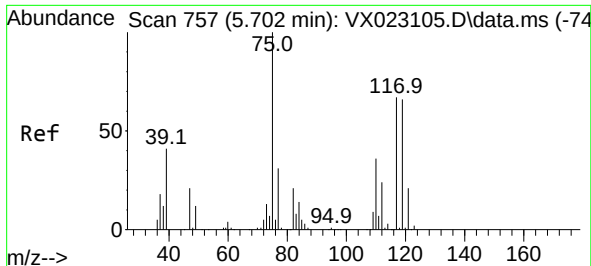
Tgt Ion:114 Resp: 364071
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.798 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion:113 Resp: 117075
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 18.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.422 ug/l

RT: 5.562 min Scan# 734

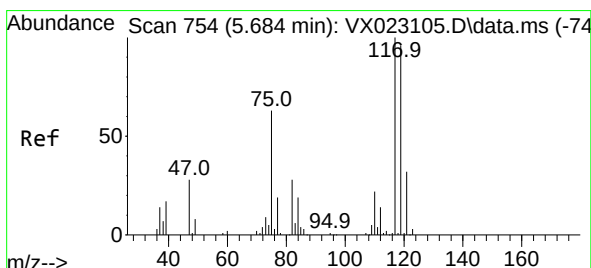
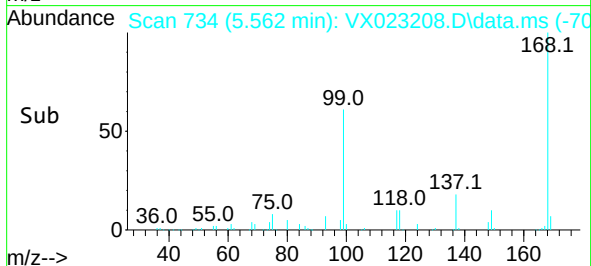
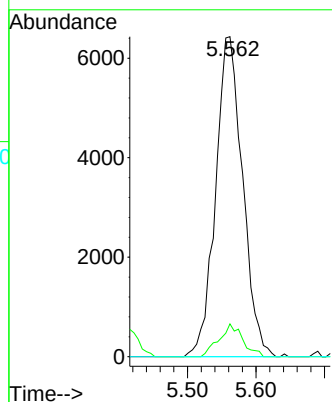
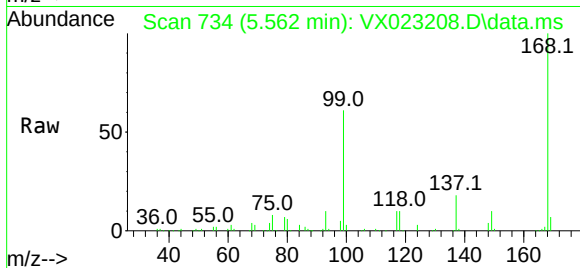
Delta R.T. -0.140 min

Lab File: VX023208.D

Acq: 08 Jul 2021 18:37

Tgt Ion: 75	Resp: 17598
Ion Ratio	Lower Upper
75 100	
110 9.0	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.709 ug/l

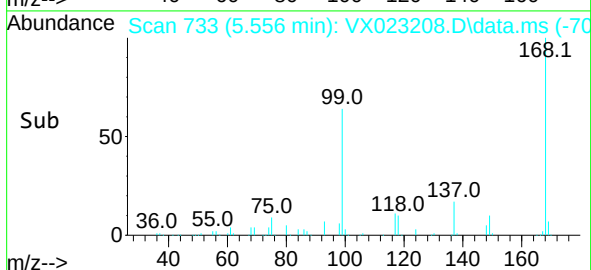
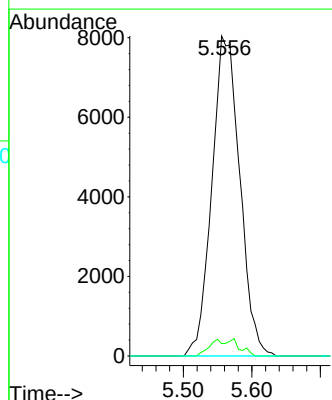
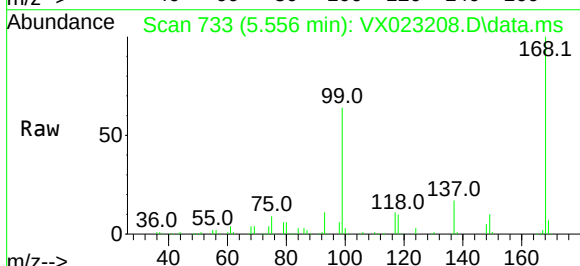
RT: 5.556 min Scan# 733

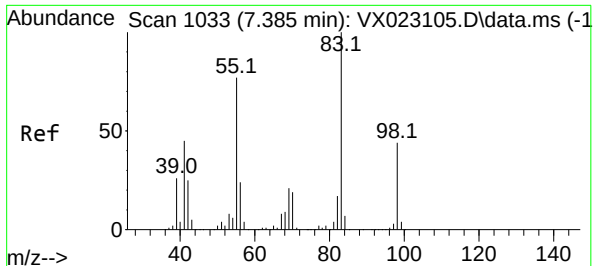
Delta R.T. -0.128 min

Lab File: VX023208.D

Acq: 08 Jul 2021 18:37

Tgt Ion: 117	Resp: 22728
Ion Ratio	Lower Upper
117 100	
119 3.9	76.2 114.2#
121 0.0	24.8 37.2#





#39

Methylcyclohexane

Concen: 0.362 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX023208.D

Acq: 08 Jul 2021 18:37

Tgt Ion: 83 Resp: 1373

Ion Ratio Lower Upper

83 100

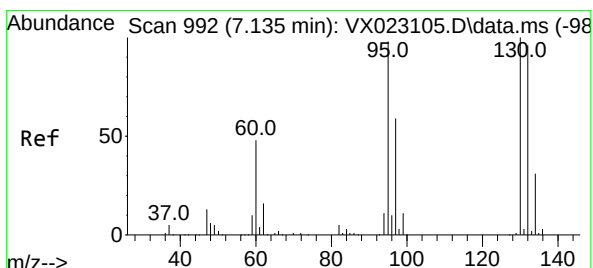
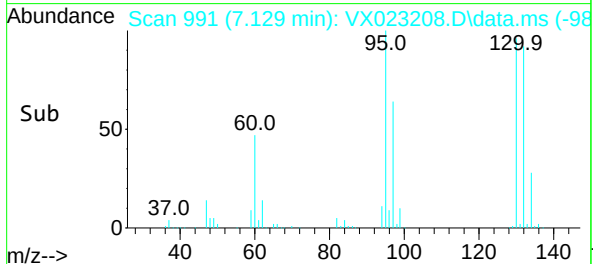
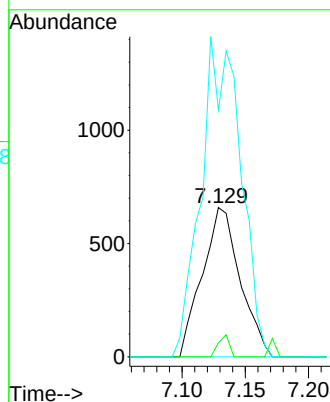
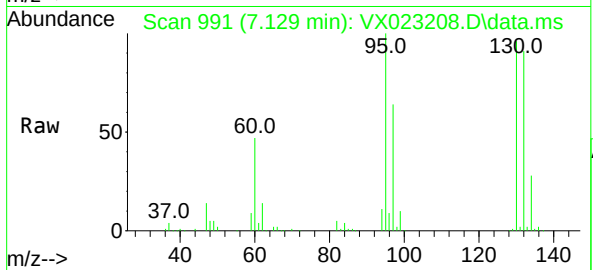
55 9.4 58.9 88.3#

98 165.3 38.1 57.1#

Instrument :

MSVOA_X

ClientSampled :



#44

Trichloroethene

Concen: 39.657 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX023208.D

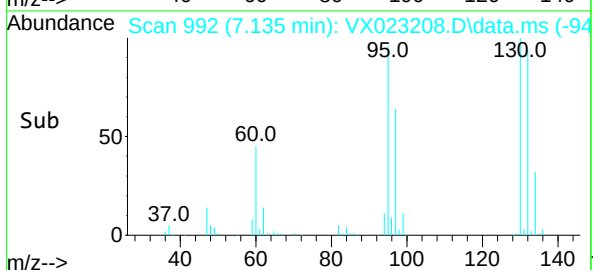
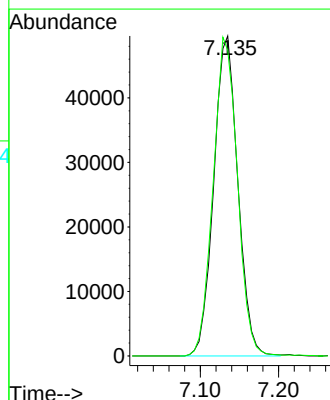
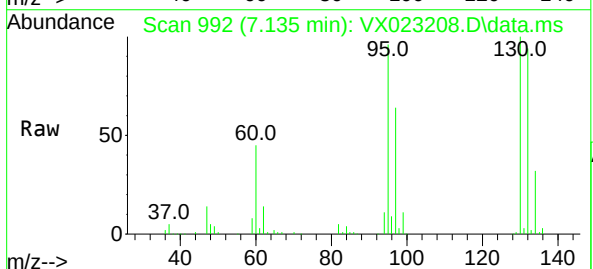
Acq: 08 Jul 2021 18:37

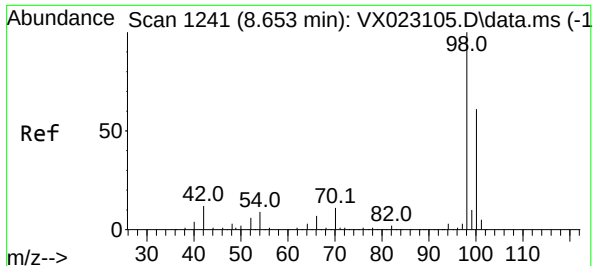
Tgt Ion:130 Resp: 106009

Ion Ratio Lower Upper

130 100

95 95.5 0.0 198.0

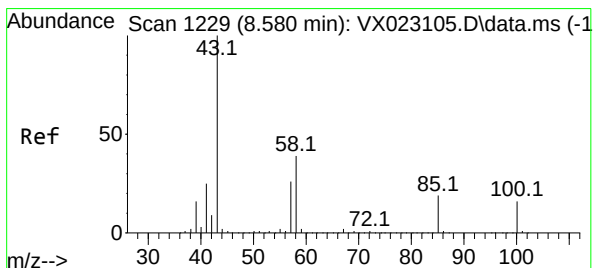
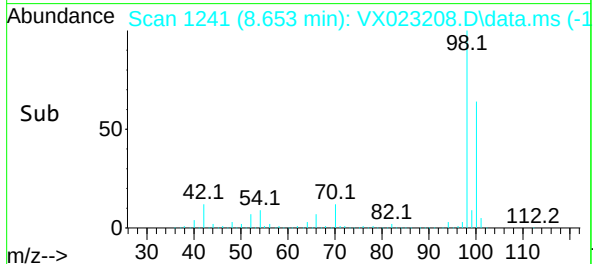
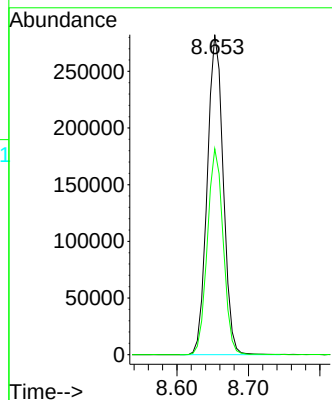
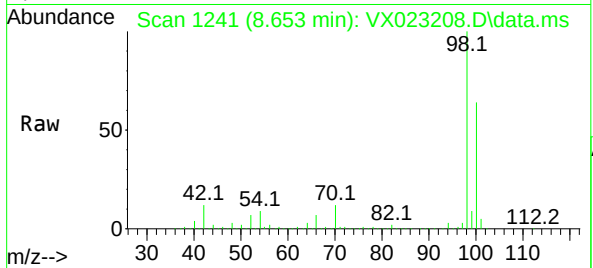




#50
Toluene-d8
Concen: 49.928 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

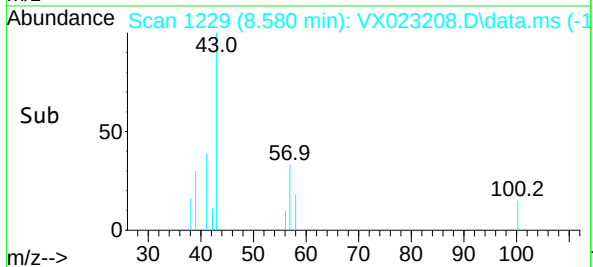
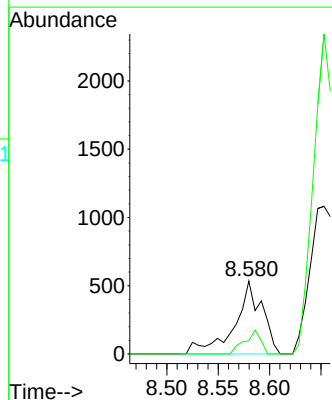
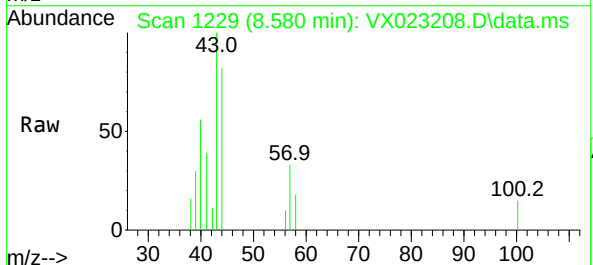
Instrument :
MSVOA_X
ClientSampled :

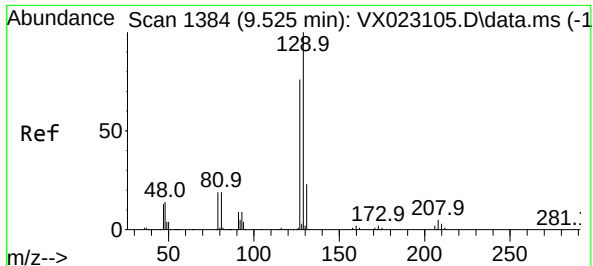
Tgt Ion: 98 Resp: 437861
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.273 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
58 19.0 35.4 53.0#

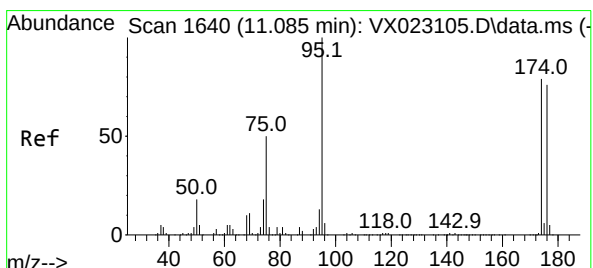
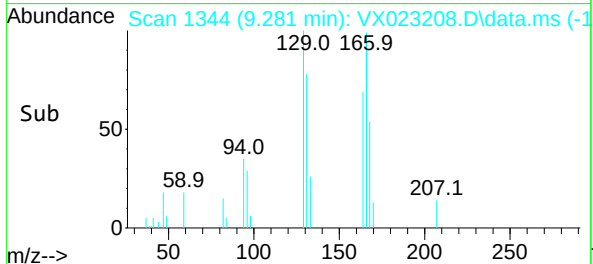
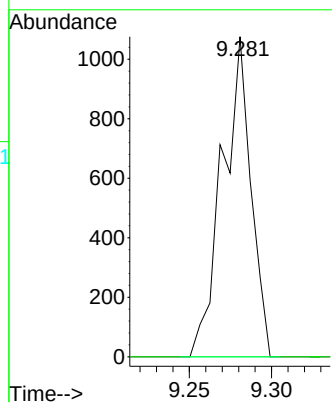
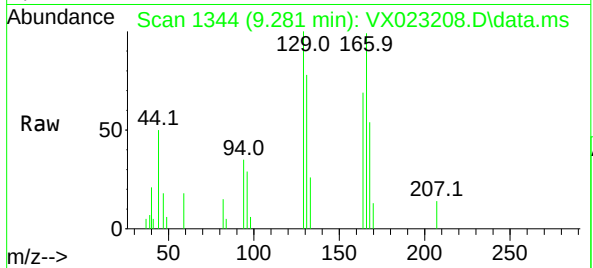




#60
Dibromochloromethane
Concen: 3.539 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

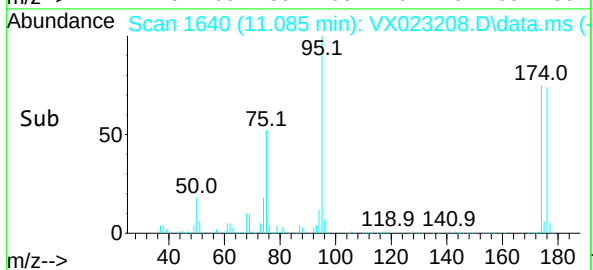
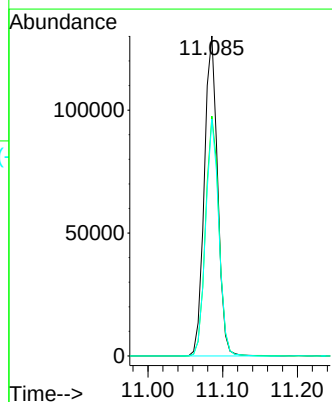
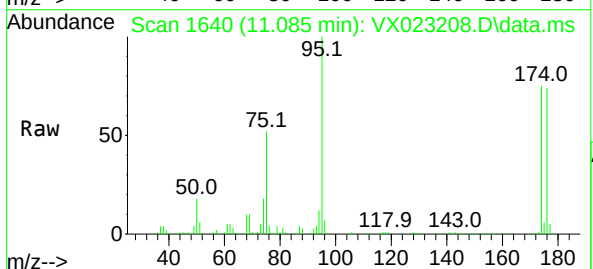
Instrument :
MSVOA_X
ClientSampled :

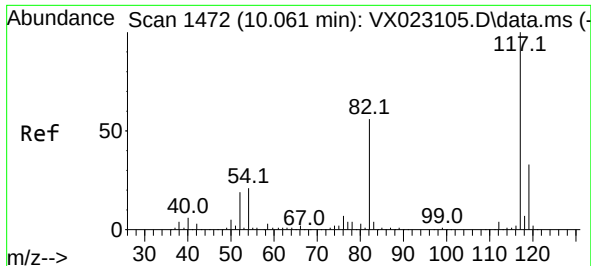
Tgt Ion:129 Resp: 1300
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.561 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion: 95 Resp: 161025
Ion Ratio Lower Upper
95 100
174 75.0 0.0 154.6
176 73.1 0.0 155.8

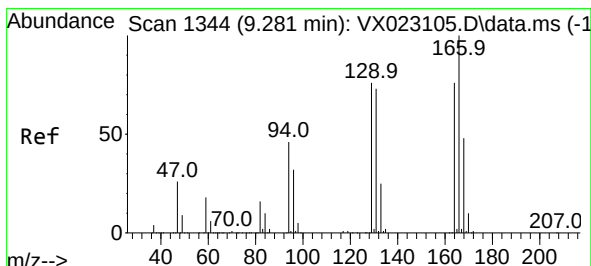
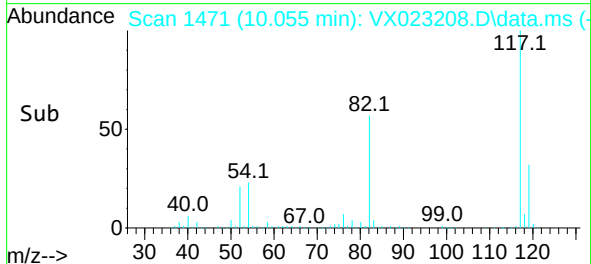
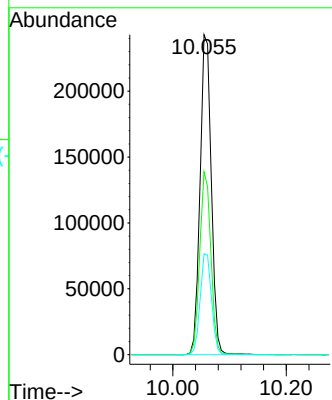
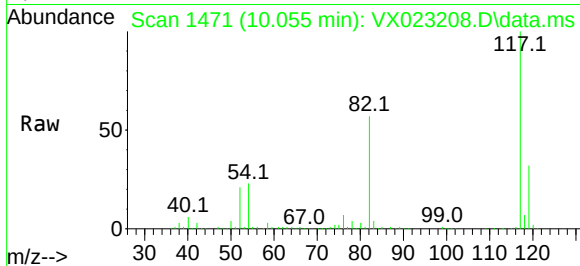




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

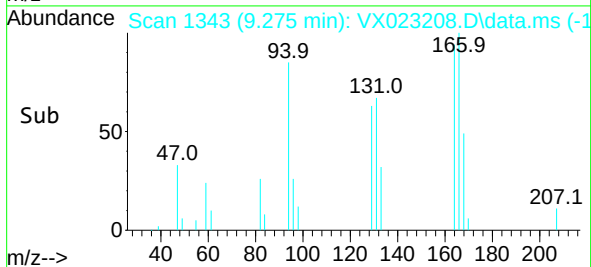
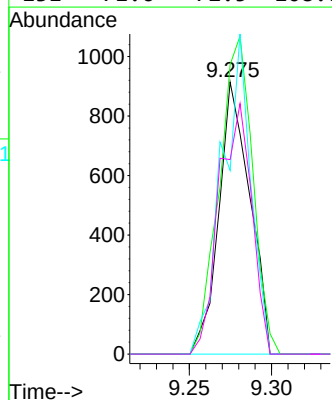
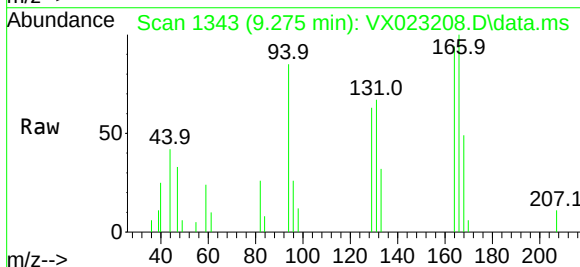
Instrument :
MSVOA_X
ClientSampled :

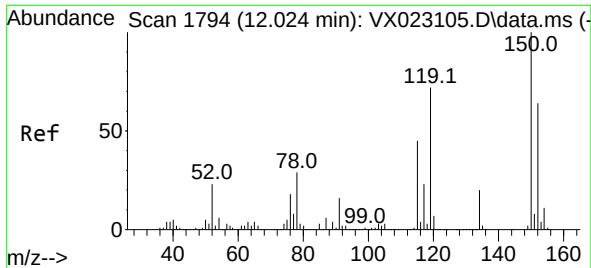
Tgt Ion:117 Resp: 333310
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.6 26.6 39.8



#64
Tetrachloroethene
Concen: 0.450 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion:164 Resp: 1195
Ion Ratio Lower Upper
164 100
166 106.5 103.4 155.2
129 67.5 70.8 106.2#
131 71.6 72.5 108.7#

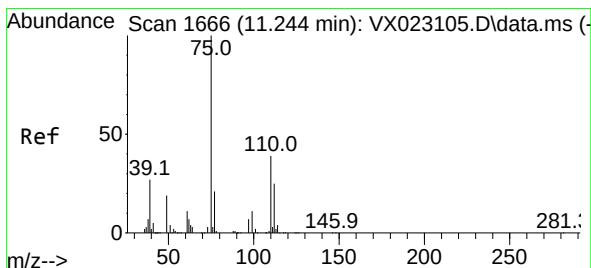
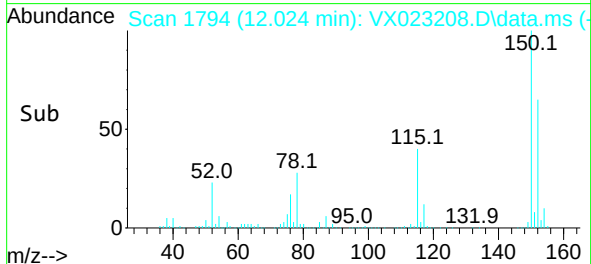
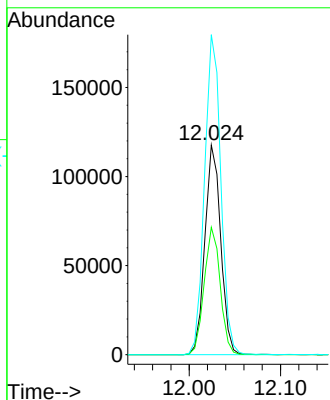
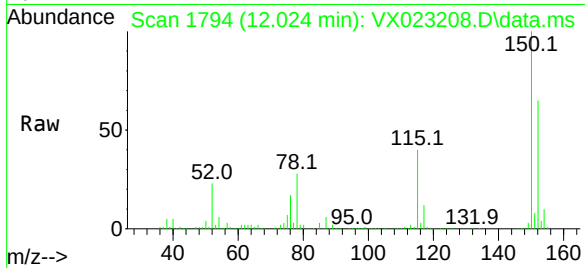




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023208.D
 Acq: 08 Jul 2021 18:37

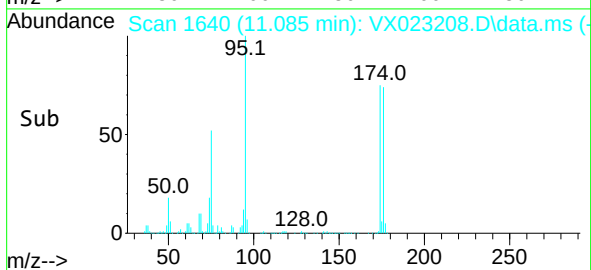
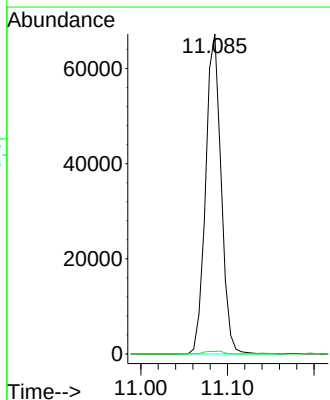
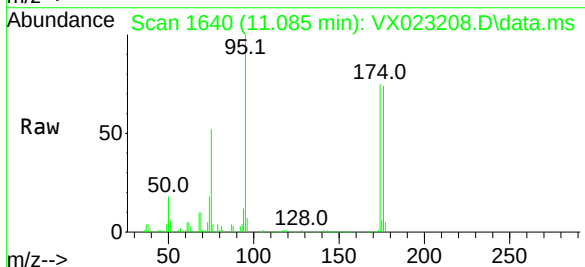
Instrument :
 MSVOA_X
 ClientSampled :

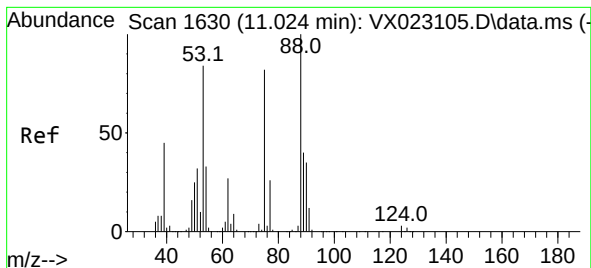
Tgt Ion:152 Resp: 141351
 Ion Ratio Lower Upper
 152 100
 115 61.5 41.1 123.3
 150 156.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.369 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023208.D
 Acq: 08 Jul 2021 18:37

Tgt Ion: 75 Resp: 83538
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

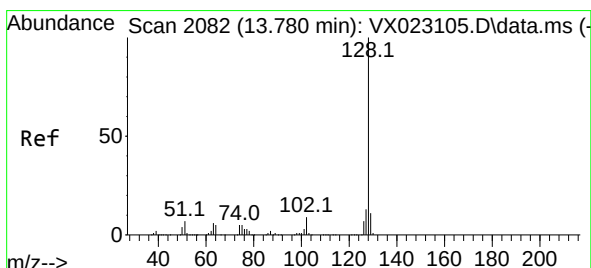
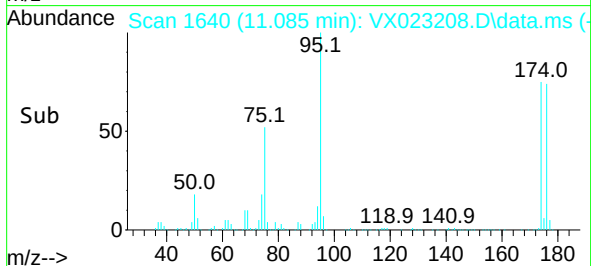
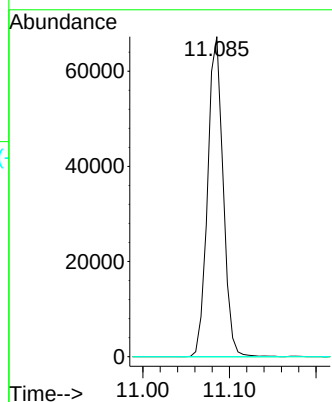
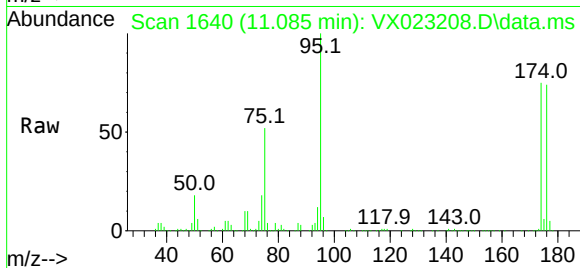




#81
trans-1,4-Dichloro-2-butene
Concen: 78.956 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 83538
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.302 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX023208.D
Acq: 08 Jul 2021 18:37

Tgt Ion: 128 Resp: 289
Ion Ratio Lower Upper
128 100
127 6.2 10.3 15.5#
129 0.0 8.8 13.2#

