

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023207.D
 Acq On : 08 Jul 2021 18:13
 Operator : JC/MD
 Sample : PB137563ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 09 08:14:11 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)

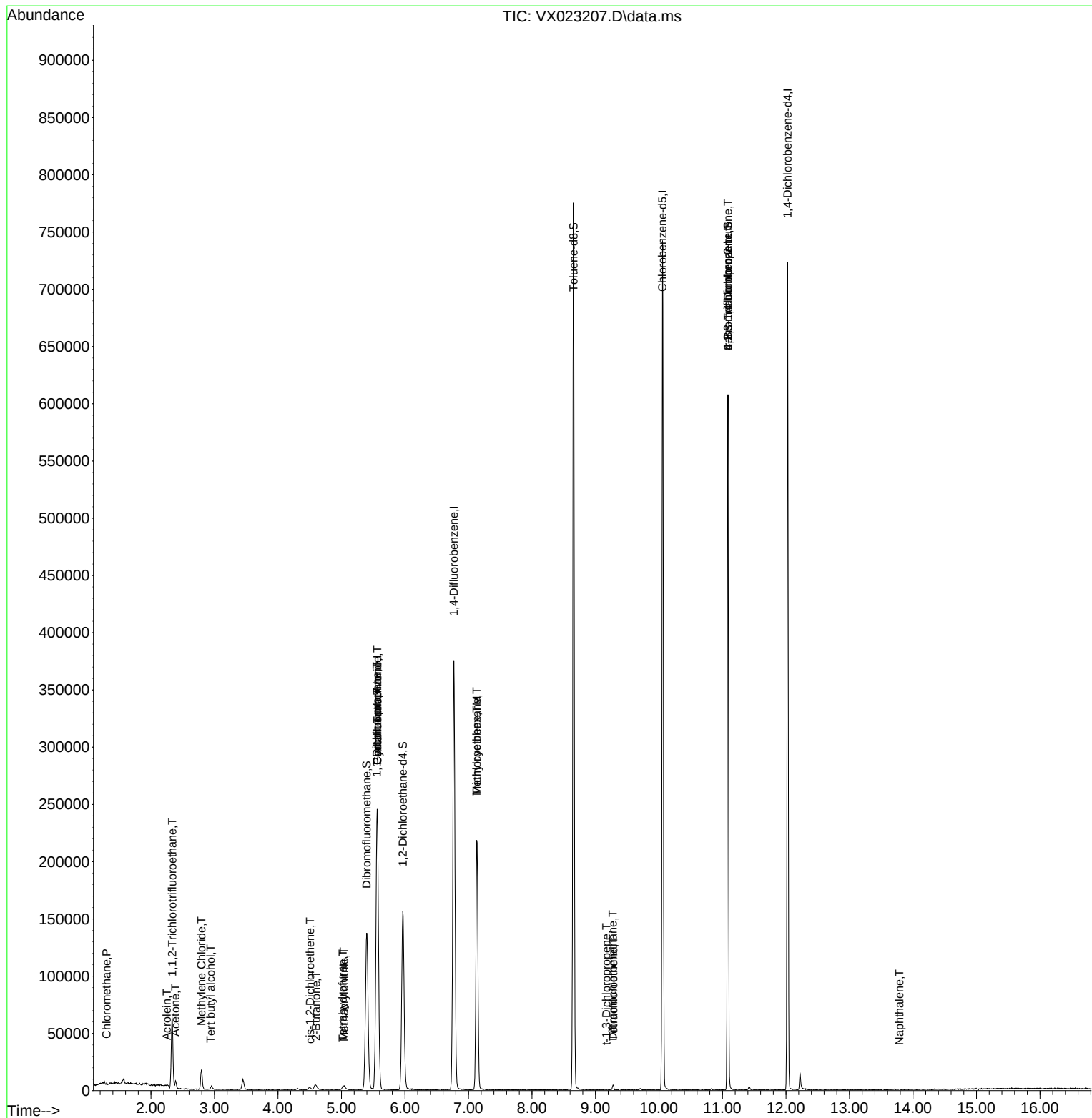
Internal Standards						
1) Pentafluorobenzene	5.562	168	228724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	374384	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	334021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	157317	51.176	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.360%
35) Dibromofluoromethane	5.397	113	118026	48.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.640%
50) Toluene-d8	8.653	98	445400	49.389	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.780%
62) 4-Bromofluorobenzene	11.085	95	162165	46.578	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.160%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	568	0.277	ug/l	97
5) Bromomethane	1.605	94	574	Below Cal	#	49
9) 1,1,2-Trichlorotrifluo...	2.337	101	23947	10.840	ug/l	96
11) Tert butyl alcohol	2.941	59	1694	2.619	ug/l #	73
13) Acrolein	2.252	56	185	0.430	ug/l #	80
16) Acetone	2.386	43	6892	5.667	ug/l	96
20) Methylene Chloride	2.794	84	7937	3.031	ug/l	96
25) 2-Butanone	4.599	43	913	0.498	ug/l #	45
27) cis-1,2-Dichloroethene	4.507	96	1460	0.547	ug/l	98
29) Tetrahydrofuran	5.019	42	1532	1.300	ug/l	95
31) Cyclohexane	5.562	56	4947	1.344	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	18497	5.542	ug/l #	49
38) Carbon Tetrachloride	5.562	117	23956	6.877	ug/l #	15
39) Methylcyclohexane	7.129	83	1001	0.256	ug/l #	1
41) Methacrylonitrile	5.038	41	2354	1.157	ug/l #	37
44) Trichloroethene	7.129	130	84910	30.889	ug/l	99
53) t-1,3-Dichloropropene	9.171	75	19	2.741	ug/l #	1
60) Dibromochloromethane	9.275	129	804	3.369	ug/l #	11
64) Tetrachloroethene	9.281	164	880	0.330	ug/l #	80
76) 1,2,3-Trichloropropane	11.085	75	83728	29.387	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	83728	79.002	ug/l #	12
95) Naphthalene	13.786	128	266	1.300	ug/l #	69

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

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Instrument :
MSVOA_X
ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
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Response via : Initial Calibration

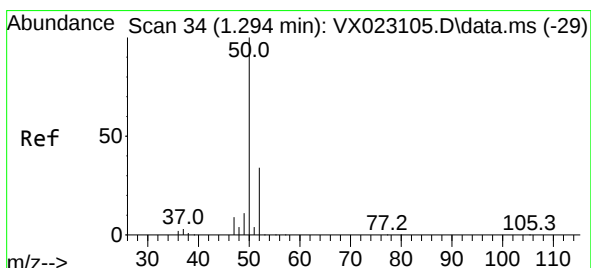
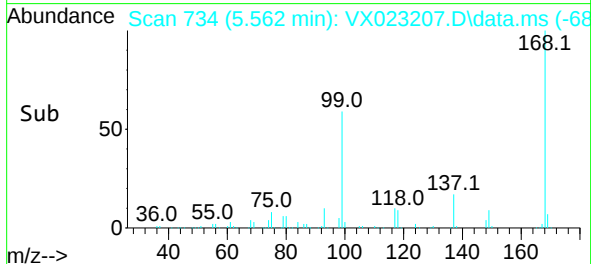
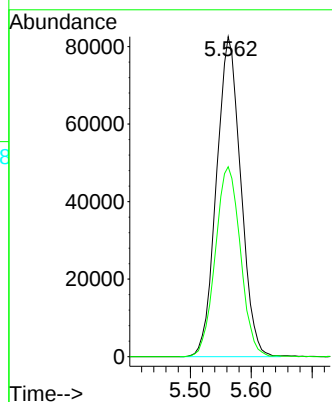
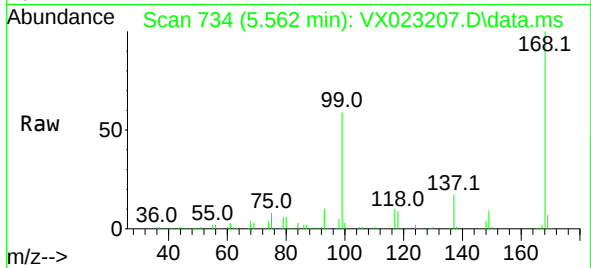




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

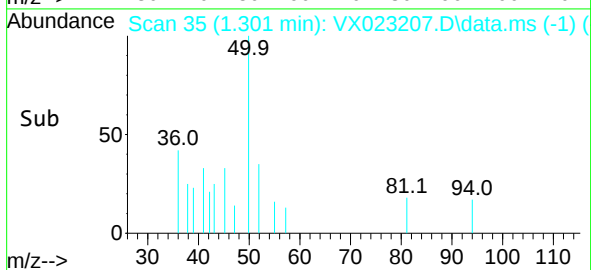
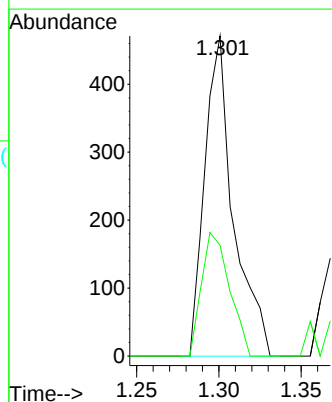
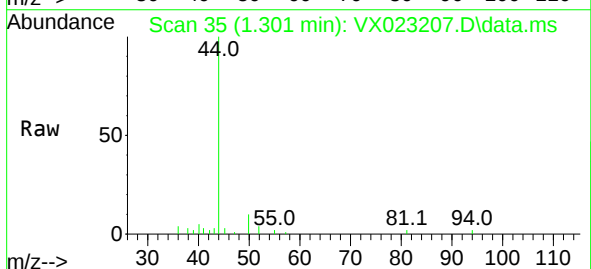
Instrument :
MSVOA_X
ClientSampled :

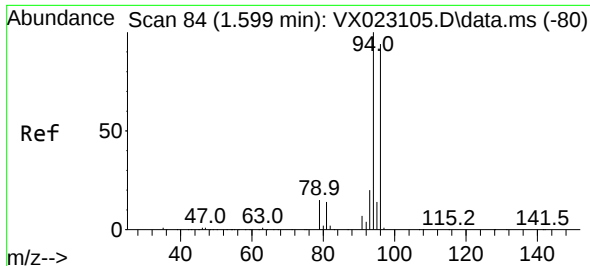
Tgt Ion:168 Resp: 228724
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#3
Chloromethane
Concen: 0.277 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

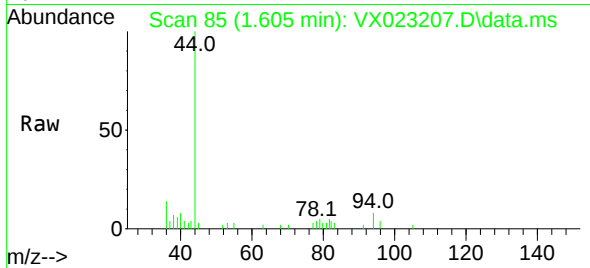
Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 34.6 26.4 39.6



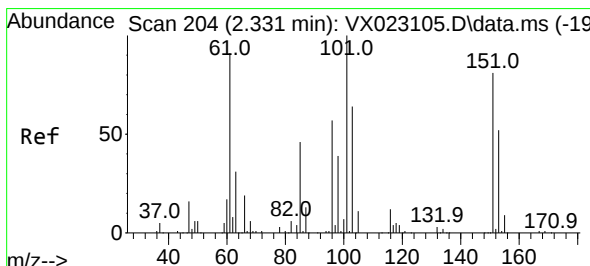
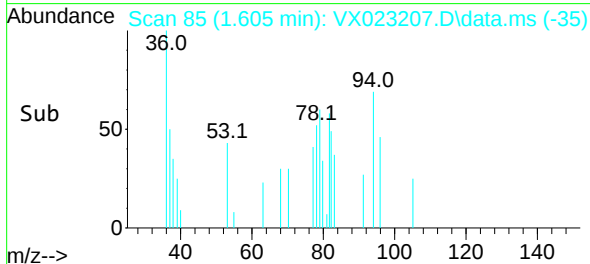
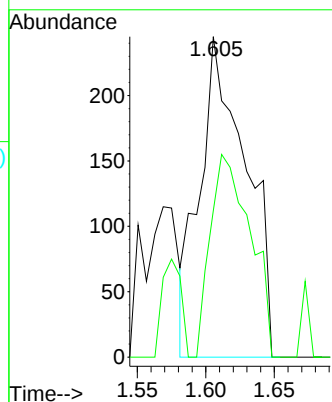


#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Instrument :
MSVOA_X
ClientSampled :

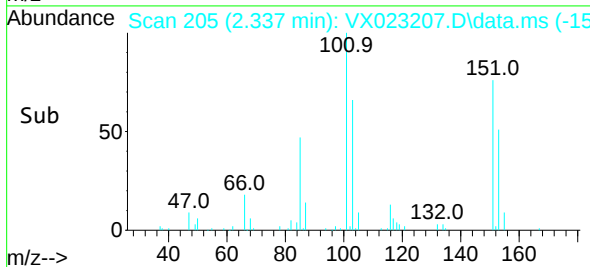
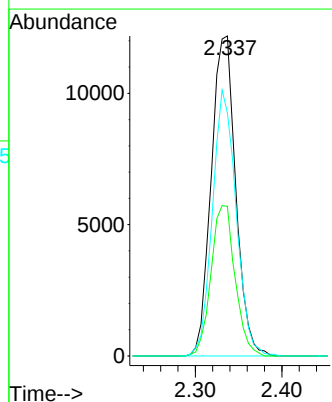
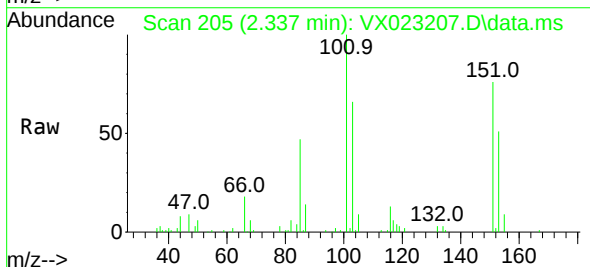


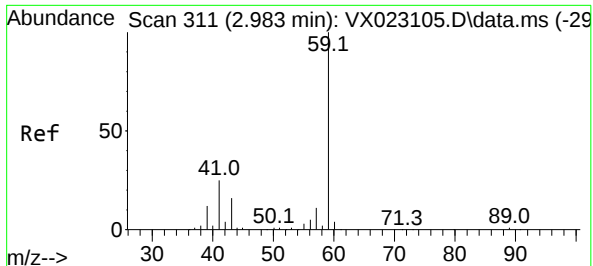
Tgt Ion: 94 Resp: 574
Ion Ratio Lower Upper
94 100
96 45.7 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.840 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion: 101 Resp: 23947
Ion Ratio Lower Upper
101 100
85 46.1 34.9 52.3
151 80.6 61.4 92.2





#11

Tert butyl alcohol

Concen: 2.619 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.042 min

Lab File: VX023207.D

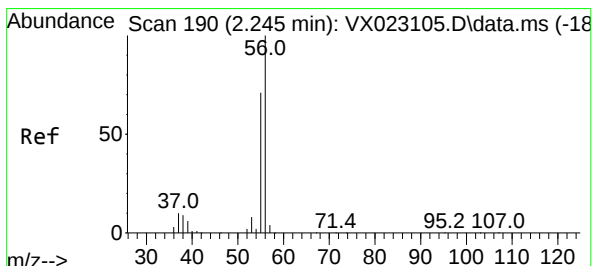
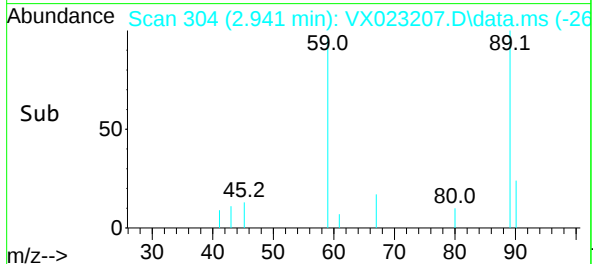
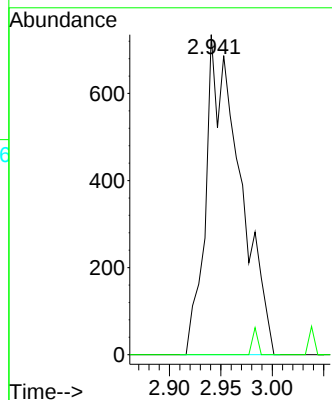
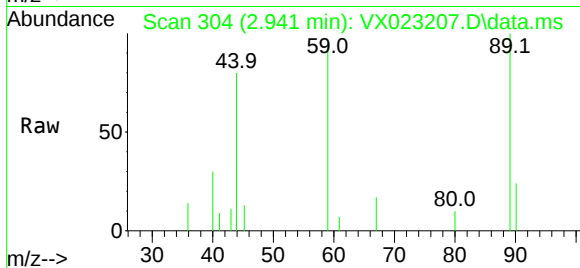
Acq: 08 Jul 2021 18:13

Tgt Ion: 59 Resp: 1694

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.430 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.007 min

Lab File: VX023207.D

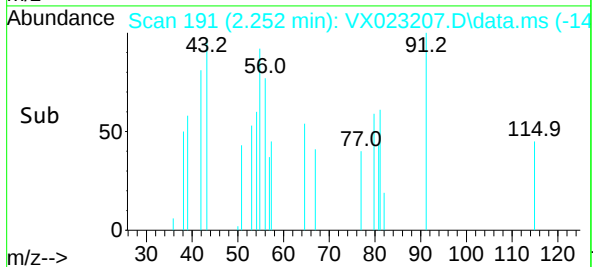
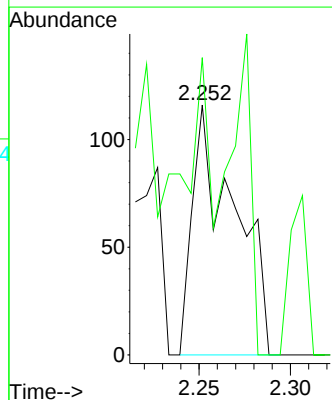
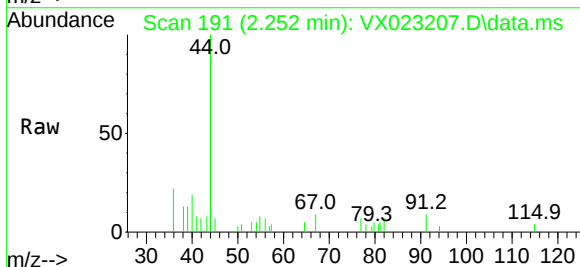
Acq: 08 Jul 2021 18:13

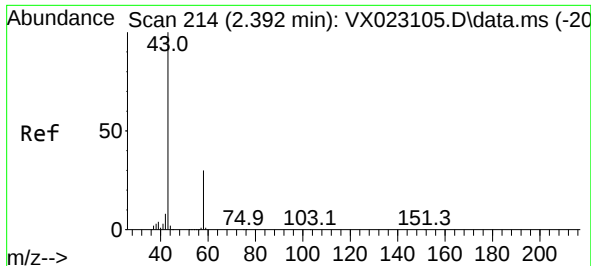
Tgt Ion: 56 Resp: 185

Ion Ratio Lower Upper

56 100

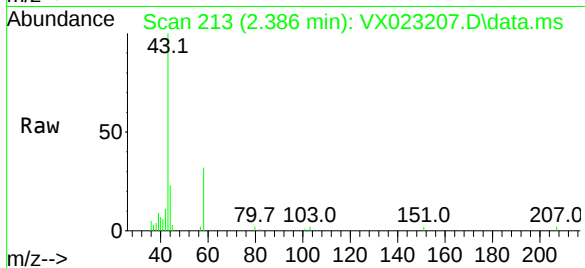
55 54.1 56.4 84.6#



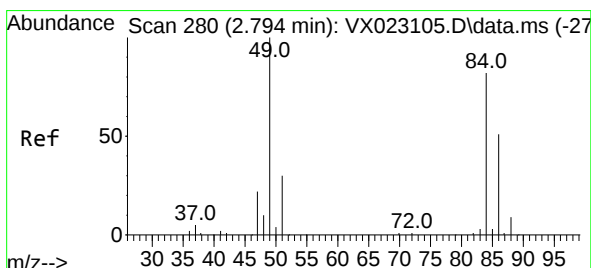
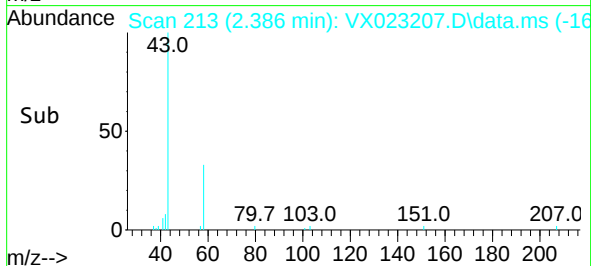
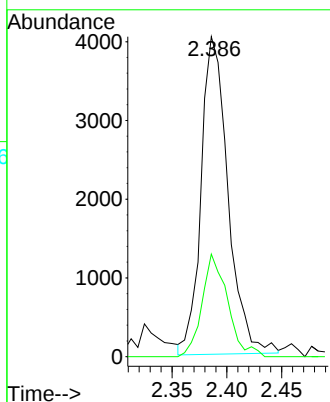


#16
Acetone
Concen: 5.667 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Instrument :
MSVOA_X
ClientSampled :

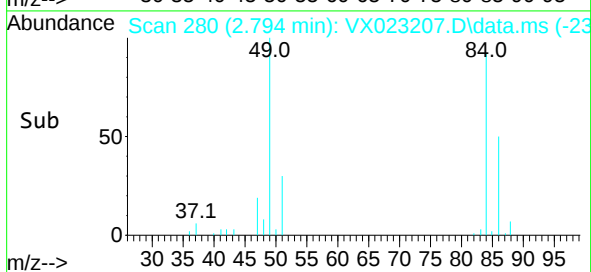
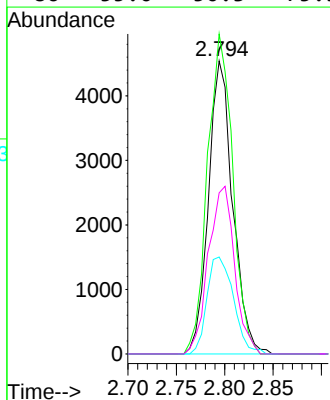
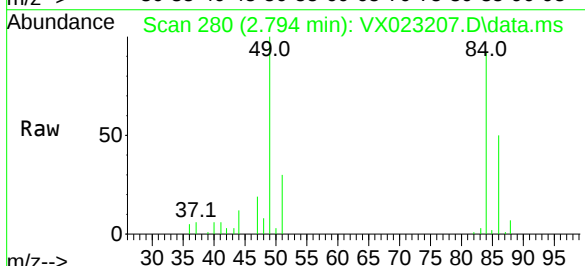


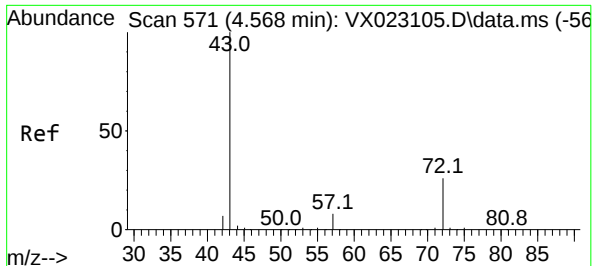
Tgt Ion: 43 Resp: 6892
Ion Ratio Lower Upper
43 100
58 32.7 27.8 41.8



#20
Methylene Chloride
Concen: 3.031 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion: 84 Resp: 7937
Ion Ratio Lower Upper
84 100
49 109.2 88.6 132.8
51 33.1 27.0 40.6
86 55.0 50.3 75.5





#25

2-Butanone

Concen: 0.498 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.031 min

Lab File: VX023207.D

Acq: 08 Jul 2021 18:13

Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

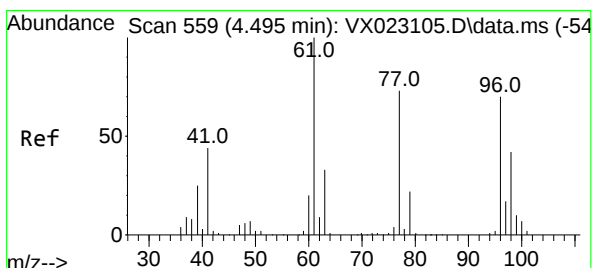
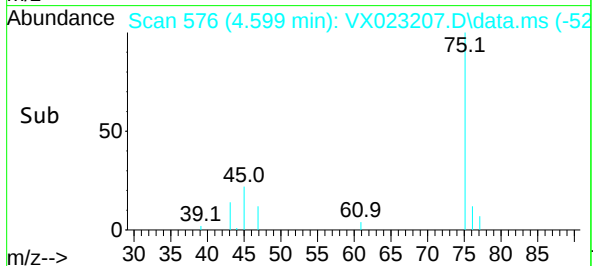
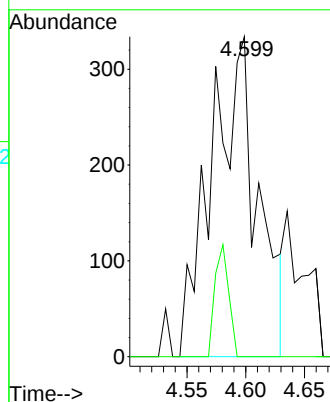
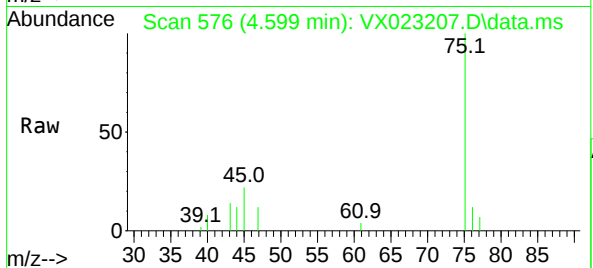
43 100

72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampled :



#27

cis-1,2-Dichloroethene

Concen: 0.547 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.012 min

Lab File: VX023207.D

Acq: 08 Jul 2021 18:13

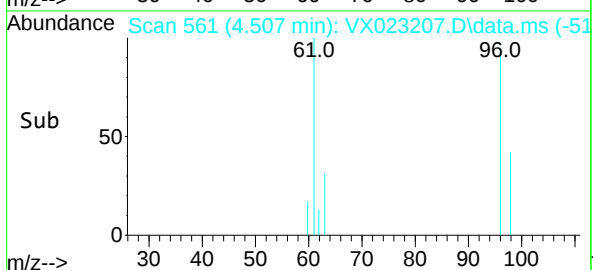
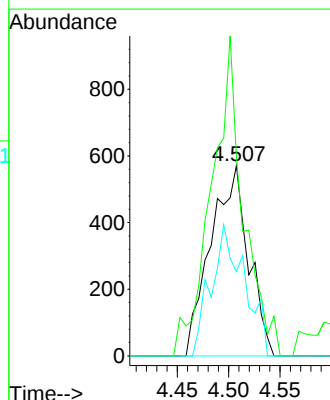
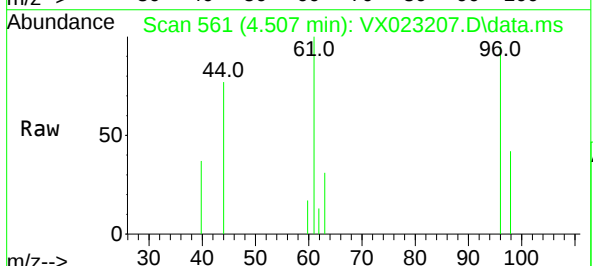
Tgt Ion: 96 Resp: 1460

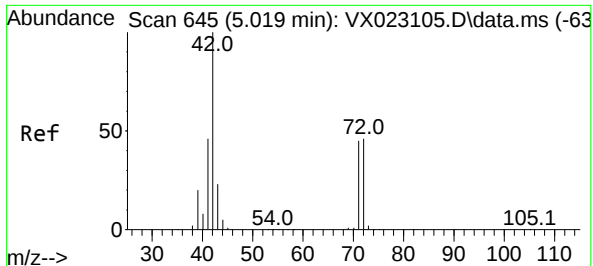
Ion Ratio Lower Upper

96 100

61 141.2 0.0 285.6

98 61.2 0.0 129.6





#29

Tetrahydrofuran

Concen: 1.300 ug/l

RT: 5.019 min Scan# 645

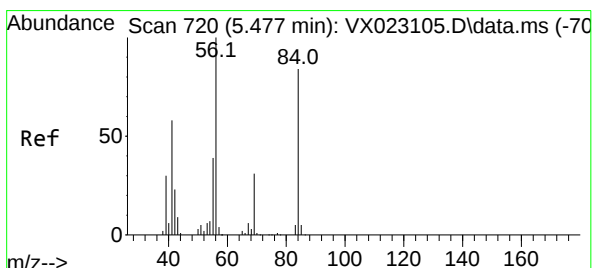
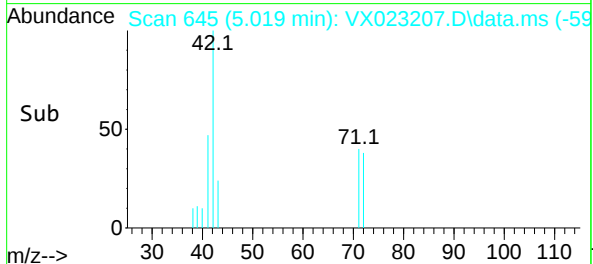
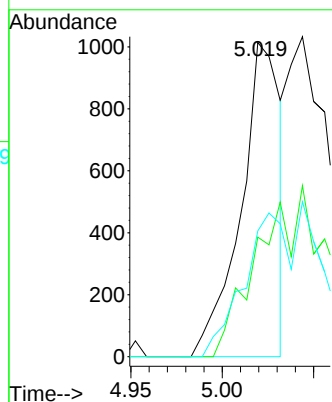
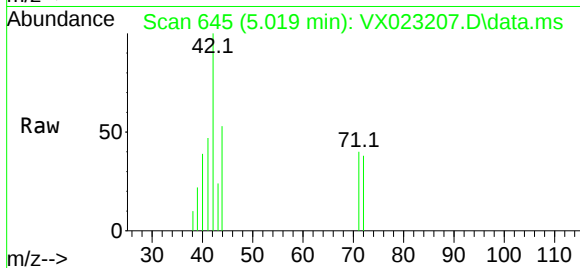
Delta R.T. 0.000 min

Lab File: VX023207.D

Acq: 08 Jul 2021 18:13

Tgt Ion: 42 Resp: 1532

Ion	Ratio	Lower	Upper
42	100		
72	49.2	41.7	62.5
71	52.1	38.4	57.6



#31

Cyclohexane

Concen: 1.344 ug/l

RT: 5.562 min Scan# 734

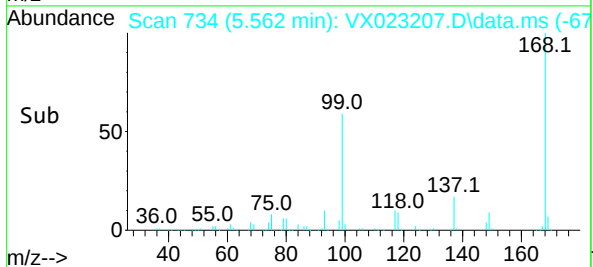
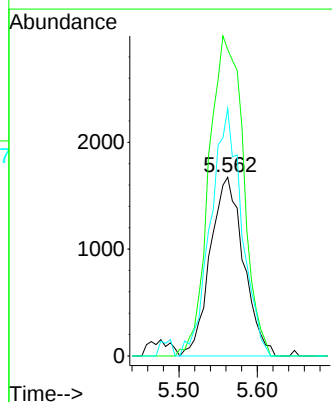
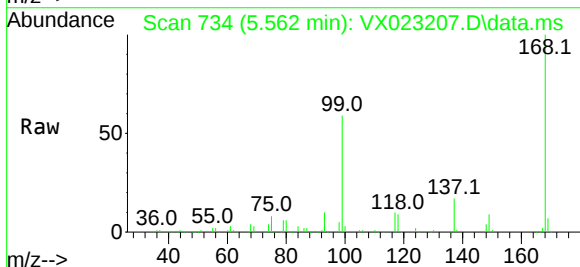
Delta R.T. 0.085 min

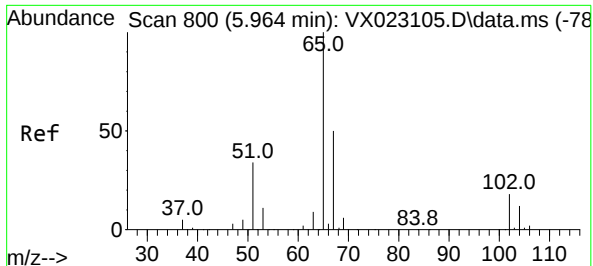
Lab File: VX023207.D

Acq: 08 Jul 2021 18:13

Tgt Ion: 56 Resp: 4947

Ion	Ratio	Lower	Upper
56	100		
69	171.4	25.3	37.9#
84	138.5	71.4	107.0#



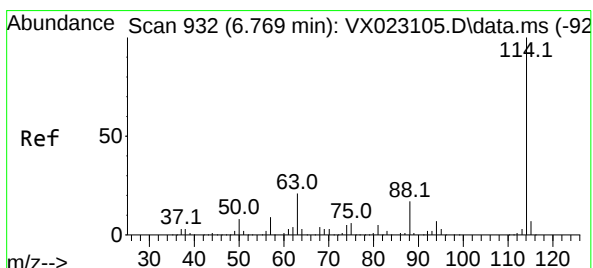
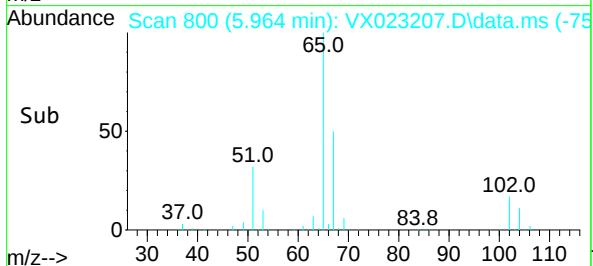
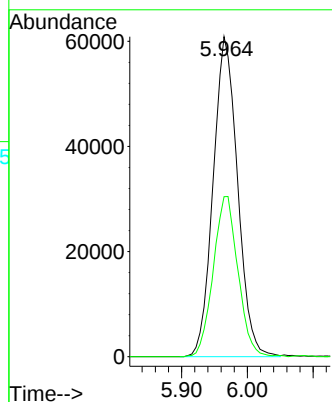
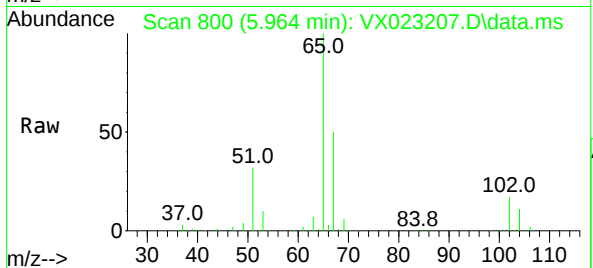


#33

1,2-Dichloroethane-d4
Concen: 51.176 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Instrument :
MSVOA_X
ClientSampled :

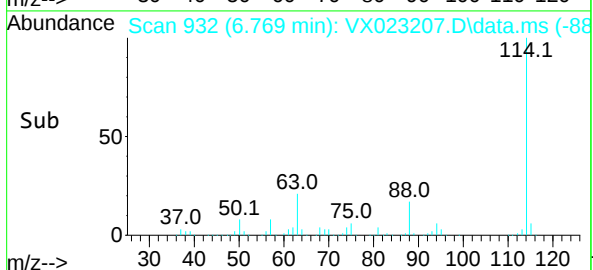
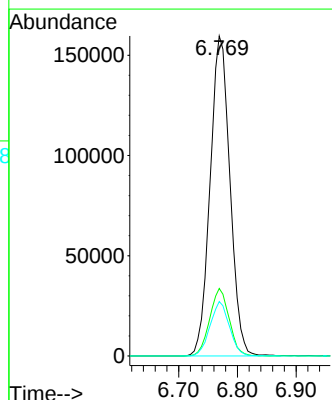
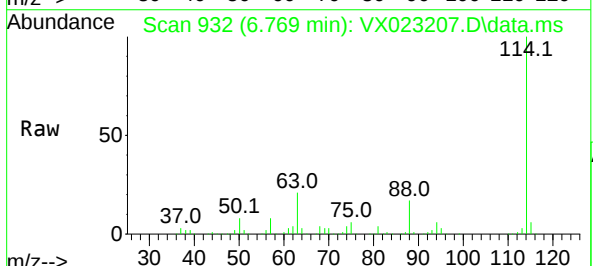
Tgt Ion: 65 Resp: 157317
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

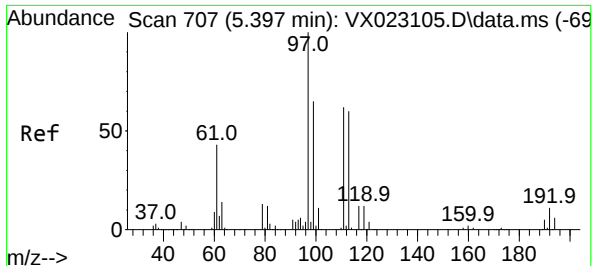


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion: 114 Resp: 374384
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 17.0 0.0 32.8

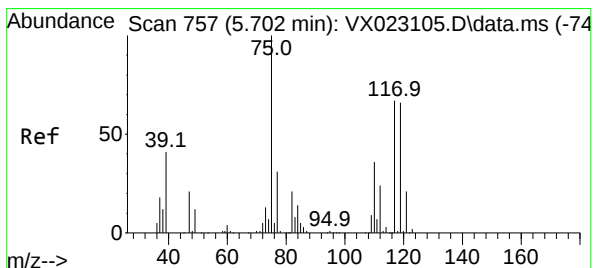
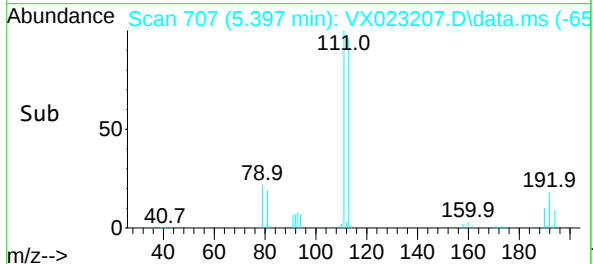
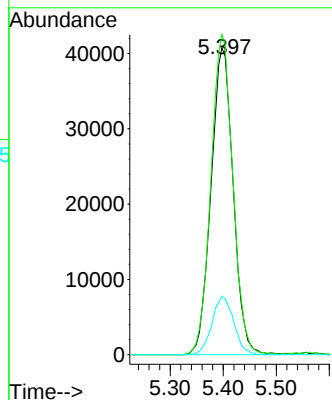
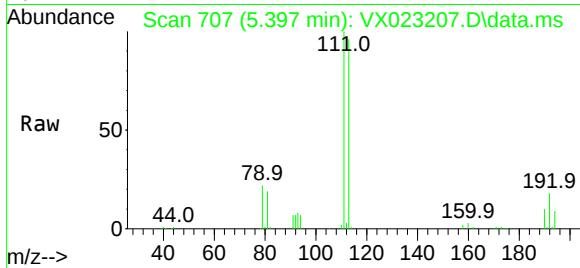




#35
Dibromofluoromethane
Concen: 48.819 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

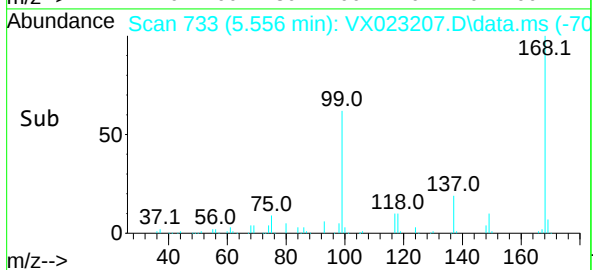
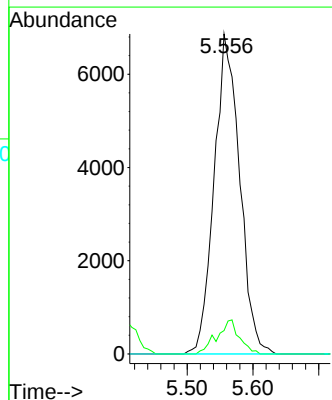
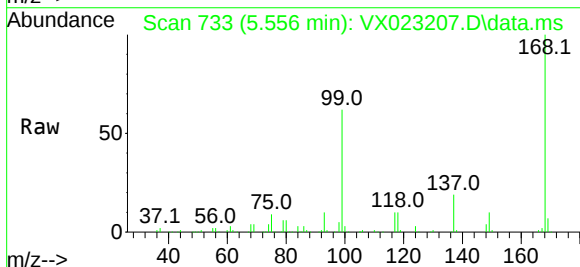
Instrument :
MSVOA_X
ClientSampleId :

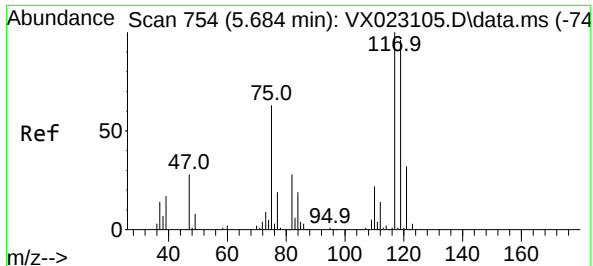
Tgt Ion:113 Resp: 118026
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.542 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

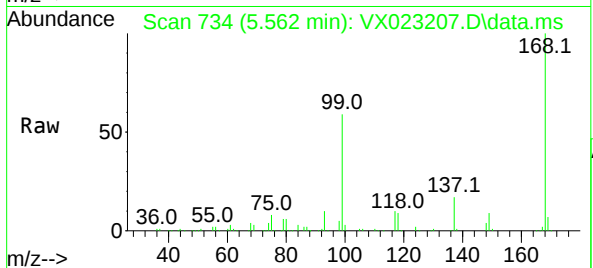
Tgt Ion: 75 Resp: 18497
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



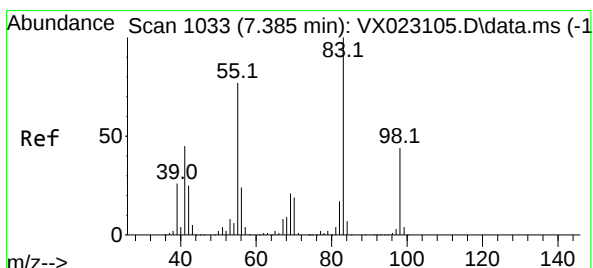
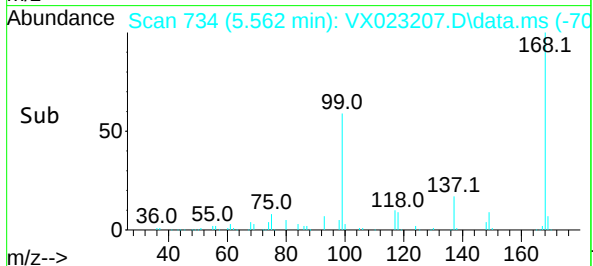
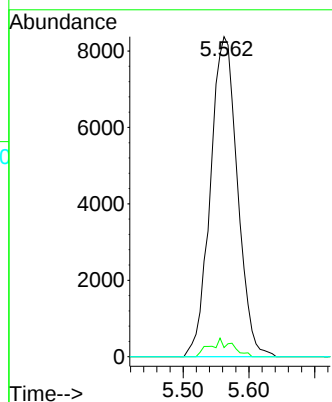


#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Instrument :
MSVOA_X
ClientSampleId :

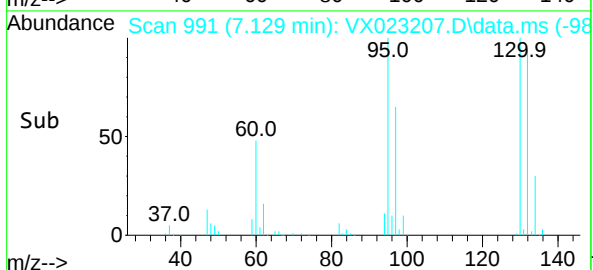
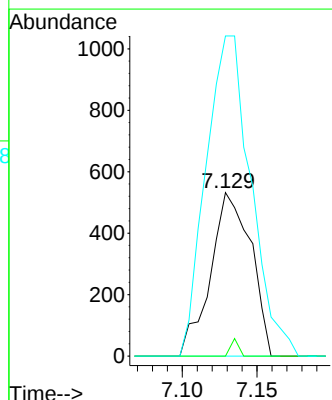
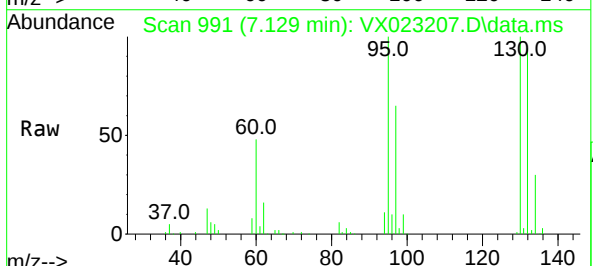


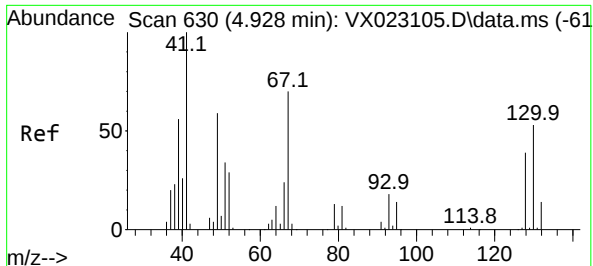
Tgt Ion:117 Resp: 23956
Ion Ratio Lower Upper
117 100
119 2.8 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.256 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion: 83 Resp: 1001
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 195.9 38.1 57.1#

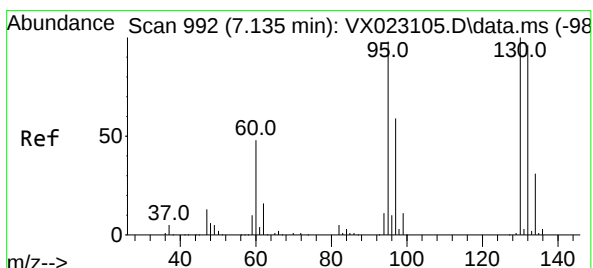
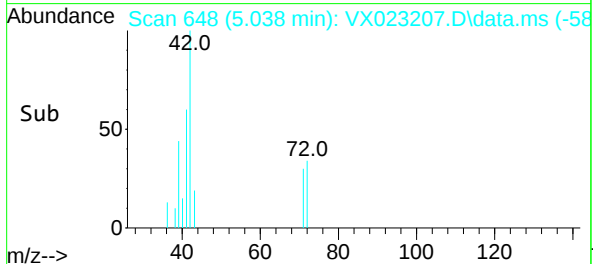
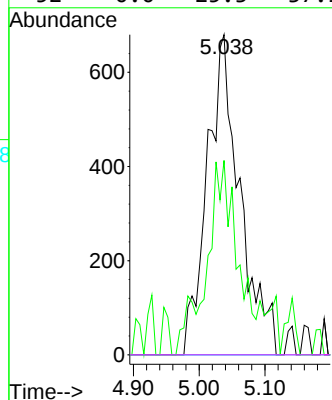
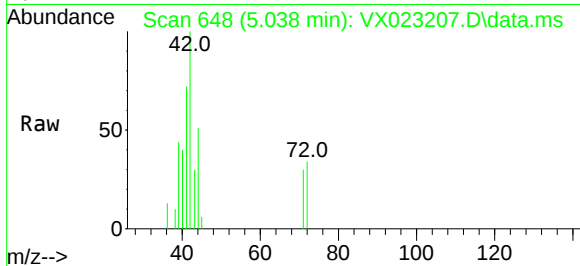




#41
Methacrylonitrile
Concen: 1.157 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

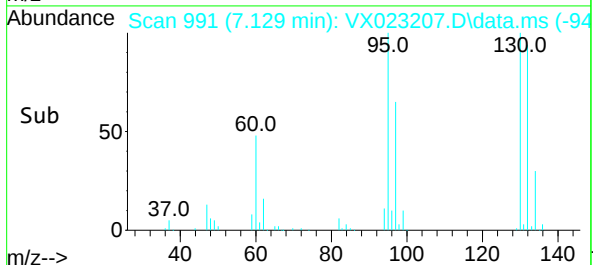
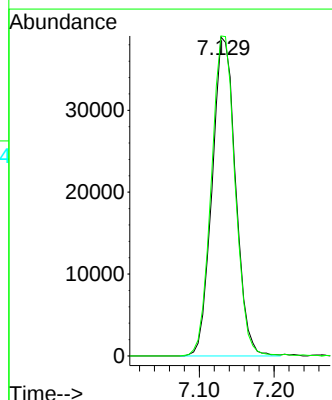
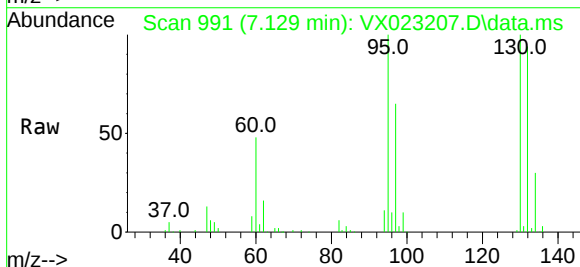
Instrument :
MSVOA_X
ClientSampled :

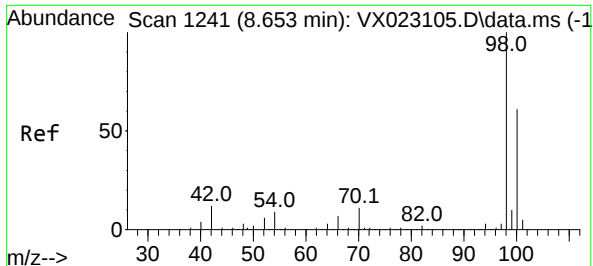
Tgt Ion: 41 Resp: 2354
Ion Ratio Lower Upper
41 100
39 36.6 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



#44
Trichloroethene
Concen: 30.889 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion:130 Resp: 84910
Ion Ratio Lower Upper
130 100
95 100.3 0.0 198.0

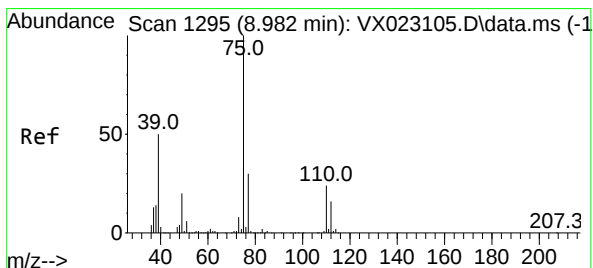
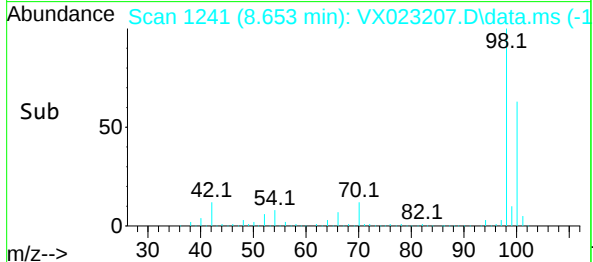
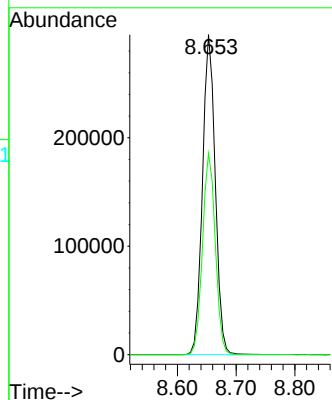
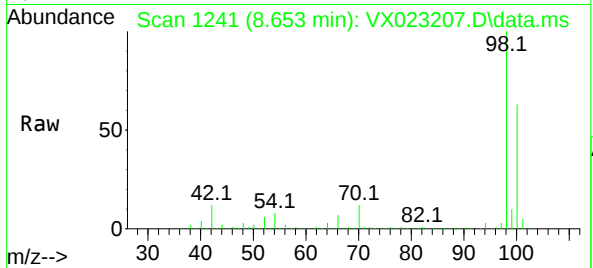




#50
Toluene-d8
Concen: 49.389 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

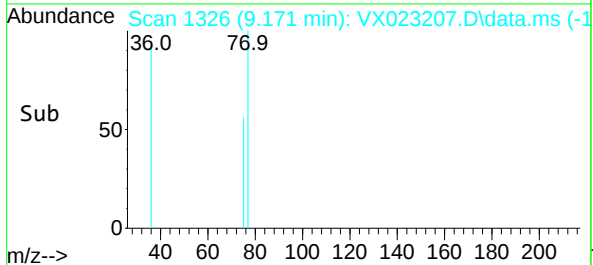
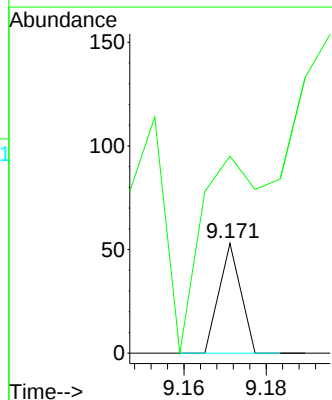
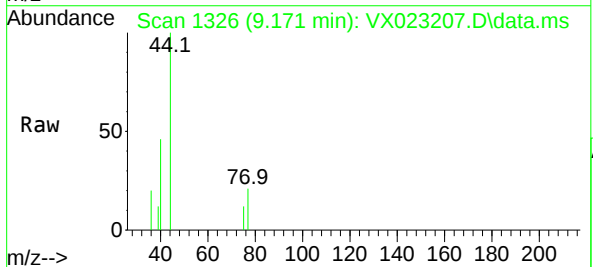
Instrument :
MSVOA_X
ClientSampled :

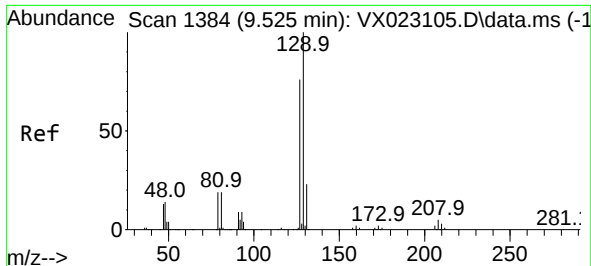
Tgt Ion: 98 Resp: 445400
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.741 ug/l
RT: 9.171 min Scan# 1326
Delta R.T. 0.189 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 179.2 24.9 37.3#

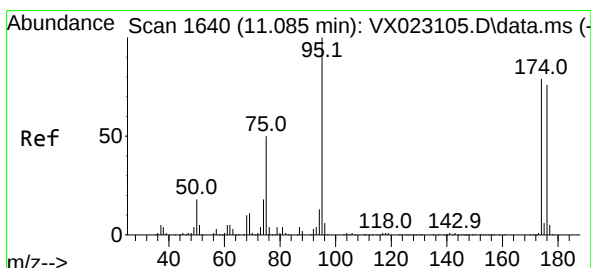
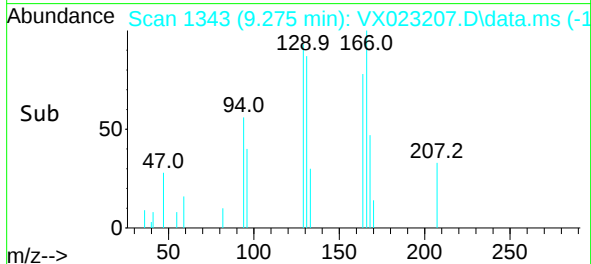
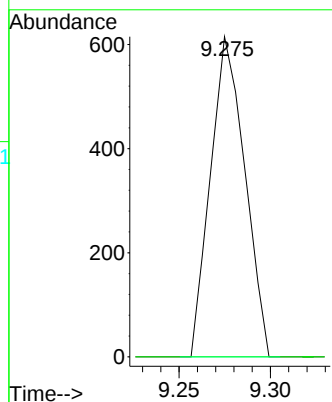
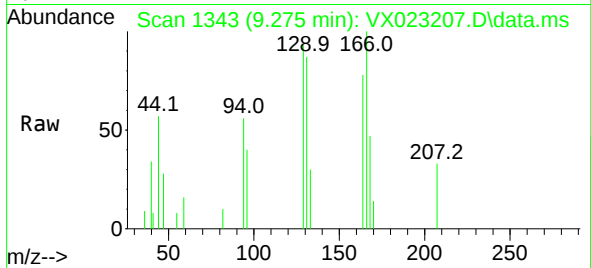




#60
Dibromochloromethane
Concen: 3.369 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

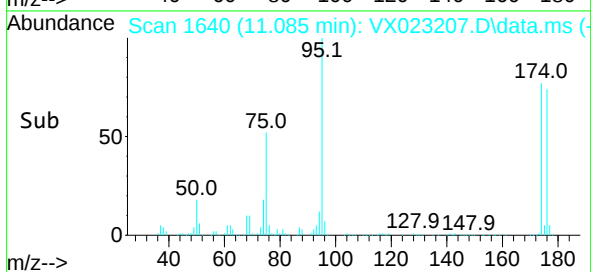
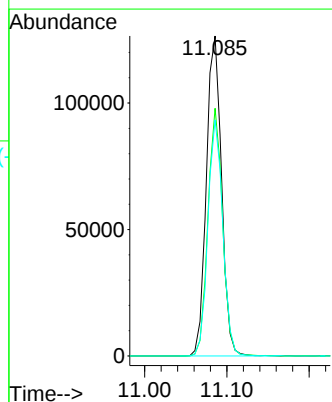
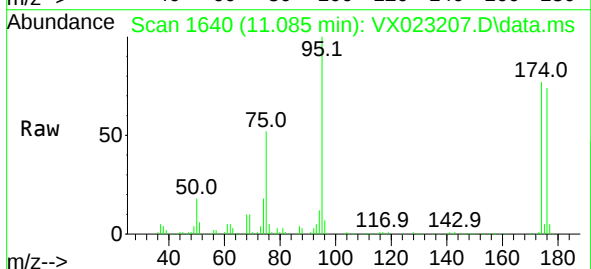
Instrument :
MSVOA_X
ClientSampleId :

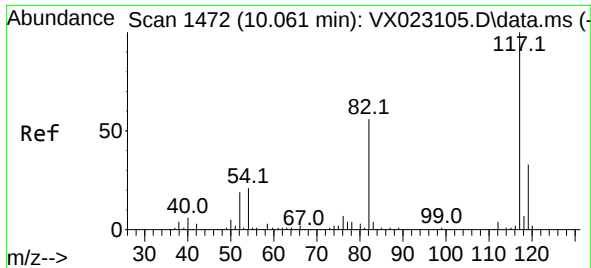
Tgt Ion:129 Resp: 804
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.578 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion: 95 Resp: 162165
Ion Ratio Lower Upper
95 100
174 74.6 0.0 154.6
176 72.3 0.0 155.8

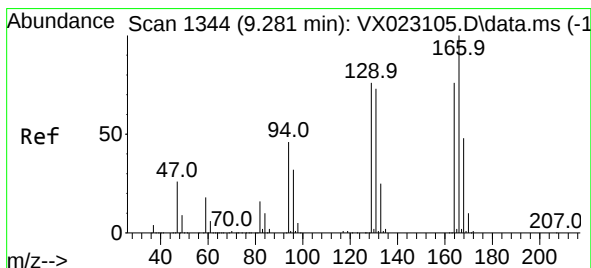
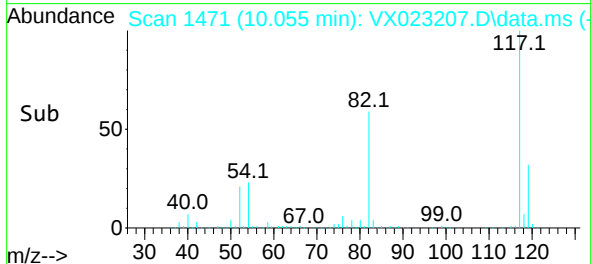
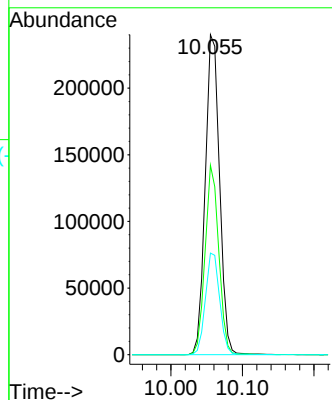
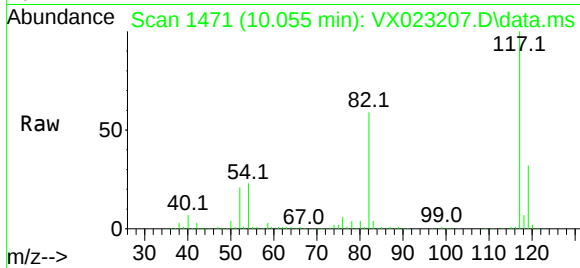




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

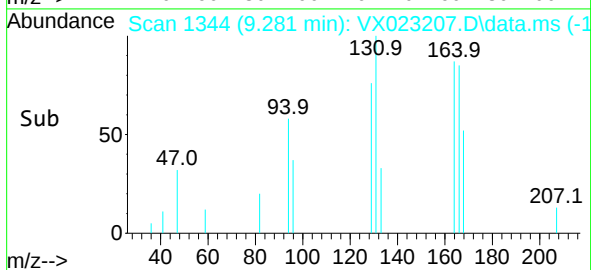
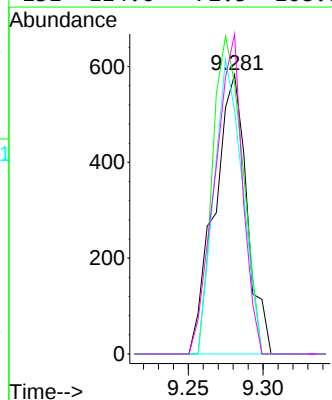
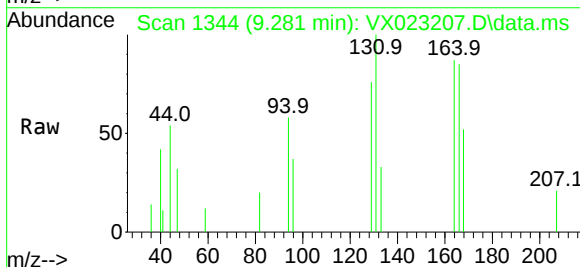
Instrument :
MSVOA_X
ClientSampleId :

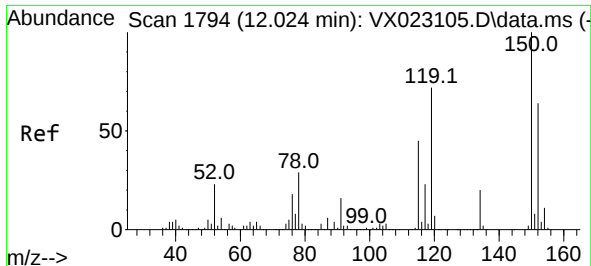
Tgt Ion:117 Resp: 334021
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.7 26.6 39.8



#64
Tetrachloroethene
Concen: 0.330 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

Tgt Ion:164 Resp: 880
Ion Ratio Lower Upper
164 100
166 96.9 103.4 155.2#
129 87.3 70.8 106.2
131 114.6 72.5 108.7#

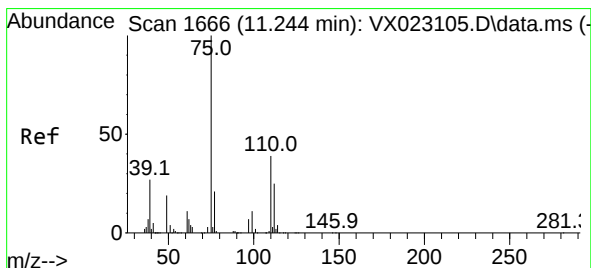
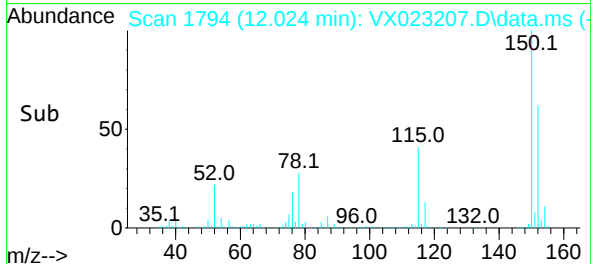
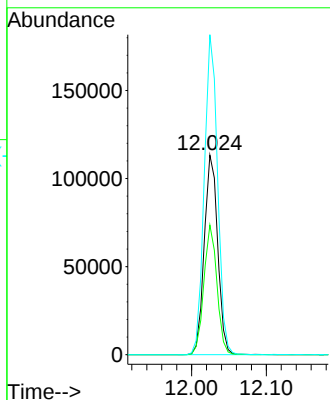
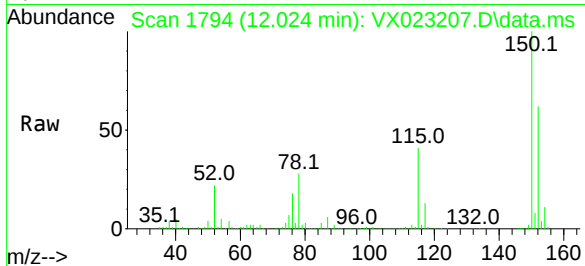




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023207.D
 Acq: 08 Jul 2021 18:13

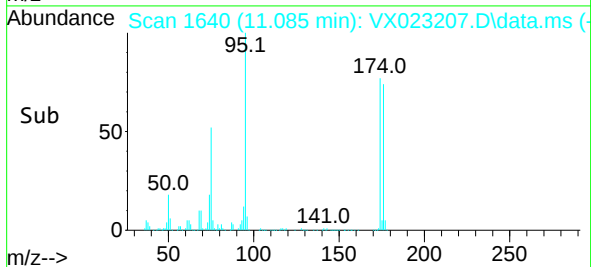
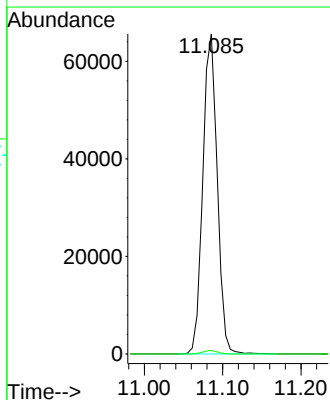
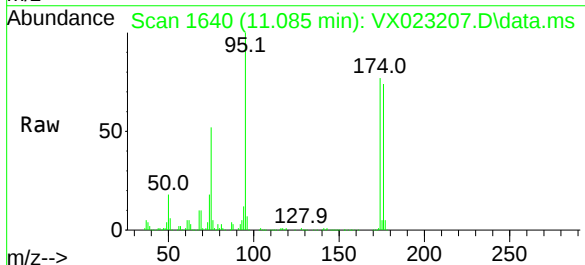
Instrument :
 MSVOA_X
 ClientSampleId :

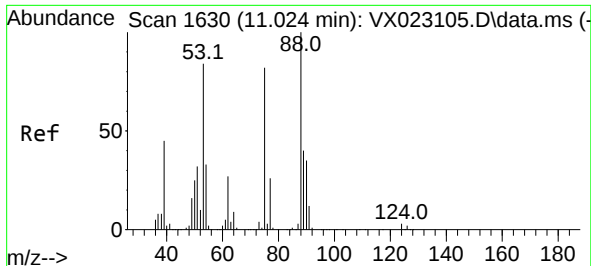
Tgt Ion:152 Resp: 141584
 Ion Ratio Lower Upper
 152 100
 115 63.1 41.1 123.3
 150 158.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.387 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023207.D
 Acq: 08 Jul 2021 18:13

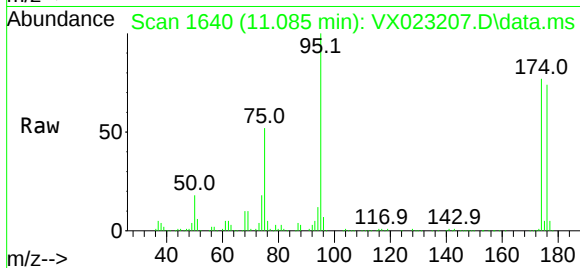
Tgt Ion: 75 Resp: 83728
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



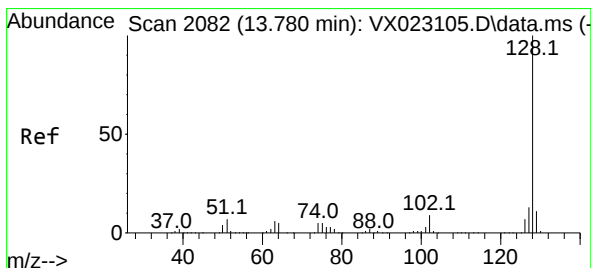
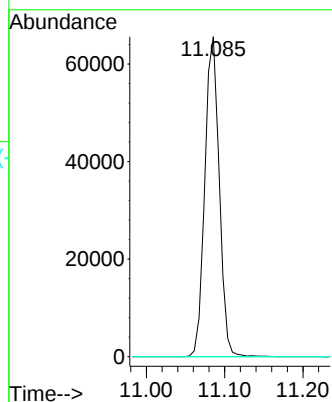
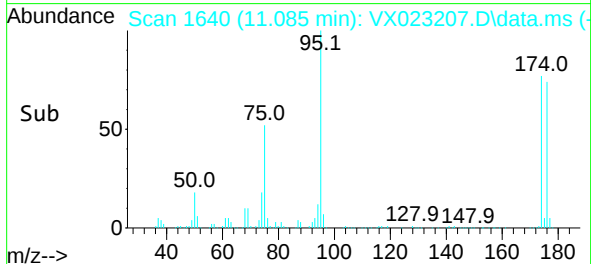


#81
trans-1,4-Dichloro-2-butene
Concen: 79.002 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13

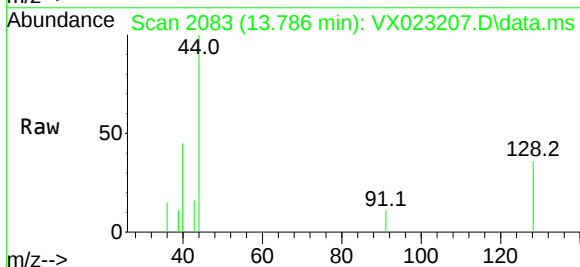
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 83728
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.300 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023207.D
Acq: 08 Jul 2021 18:13



Tgt Ion: 128 Resp: 266
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

