

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070921\
 Data File : VX023229.D
 Acq On : 09 Jul 2021 18:23
 Operator : JC/MD
 Sample : PB137563ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137563ZHE#11

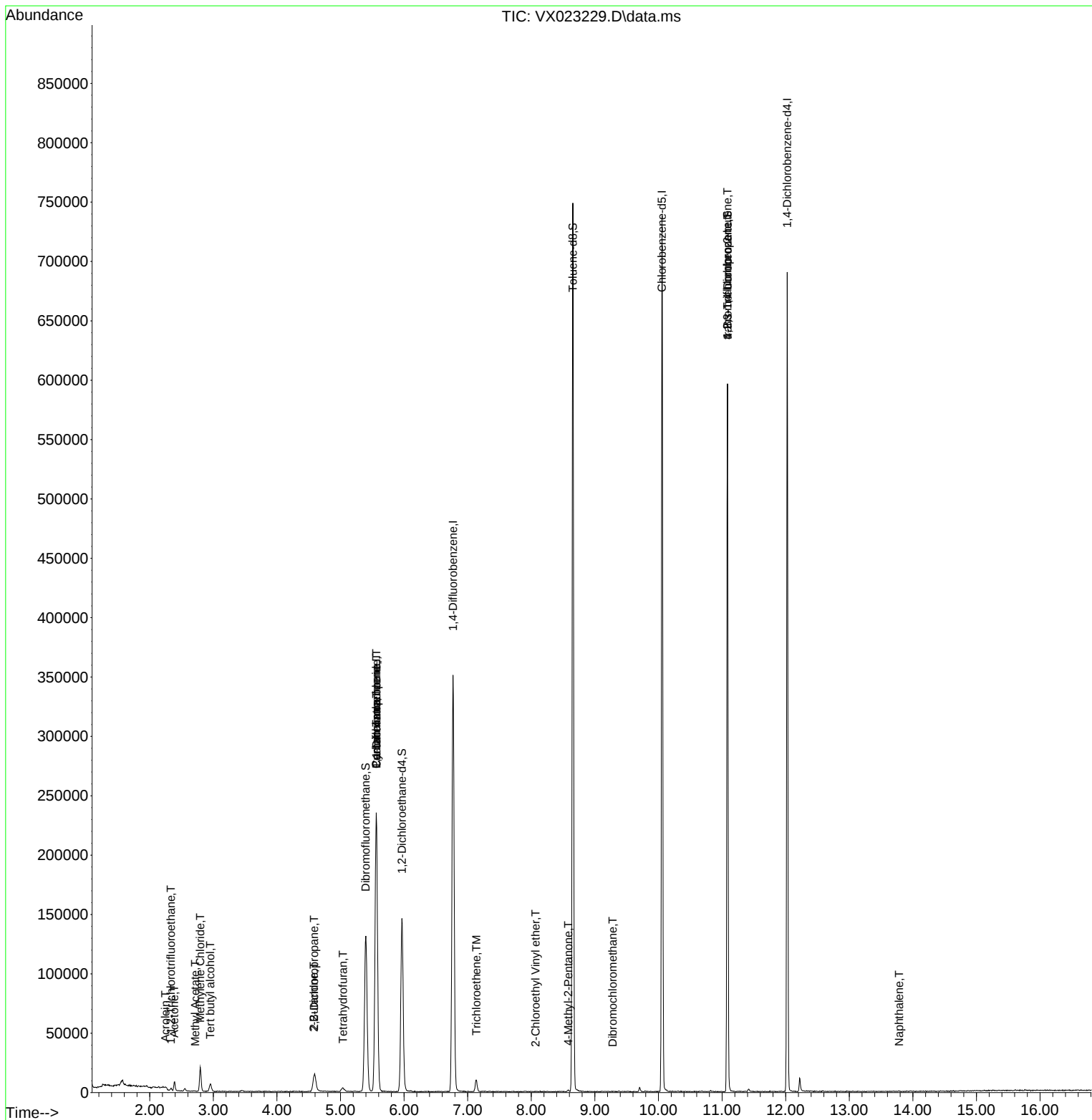
Quant Time: Jul 10 04:22:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

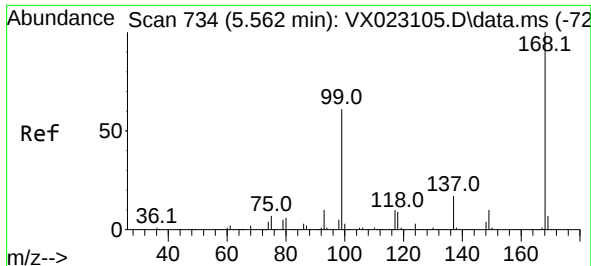
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	215563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	354692	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	325389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	148206	51.156	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.320%
35) Dibromofluoromethane	5.397	113	113218	49.430	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.860%
50) Toluene-d8	8.653	98	421231	49.302	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.600%
62) 4-Bromofluorobenzene	11.085	95	157789	47.838	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.680%
Target Compounds						Qvalue
5) Bromomethane	1.612	94	282	Below Cal	#	65
9) 1,1,2-Trichlorotrifluo...	2.331	101	793	0.381	ug/l	89
11) Tert butyl alcohol	2.953	59	3979	6.528	ug/l #	75
13) Acrolein	2.246	56	144	0.355	ug/l #	14
16) Acetone	2.386	43	7326	6.392	ug/l #	77
18) Methyl Acetate	2.715	43	582	0.209	ug/l #	56
20) Methylene Chloride	2.794	84	8520	3.452	ug/l	90
25) 2-Butanone	4.580	43	1786	1.033	ug/l #	45
26) 2,2-Dichloropropane	4.587	77	1199	0.359	ug/l #	52
29) Tetrahydrofuran	5.038	42	2953	2.658	ug/l #	70
31) Cyclohexane	5.562	56	4839	1.395	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	17408	5.505	ug/l #	50
38) Carbon Tetrachloride	5.562	117	21889	6.632	ug/l #	19
44) Trichloroethene	7.135	130	3995	1.534	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	948	0.267	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.068	63	23	4.700	ug/l #	45
60) Dibromochloromethane	9.281	129	23	3.120	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	81328	29.384	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	81328	78.995	ug/l #	12
95) Naphthalene	13.786	128	199	1.294	ug/l #	69

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

Quant Time: Jul 10 04:22:36 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

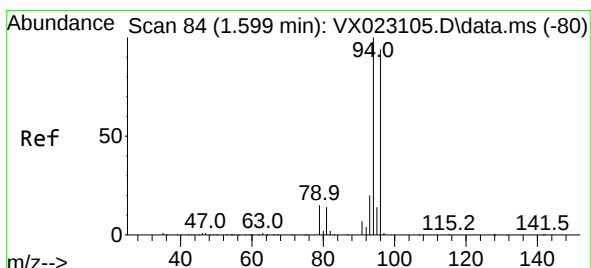
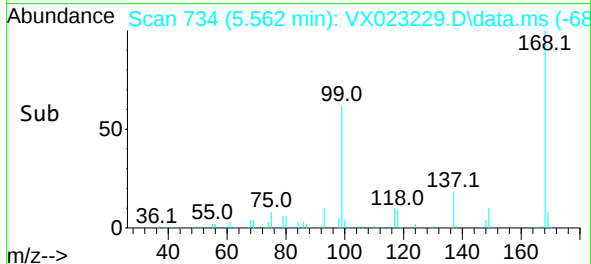
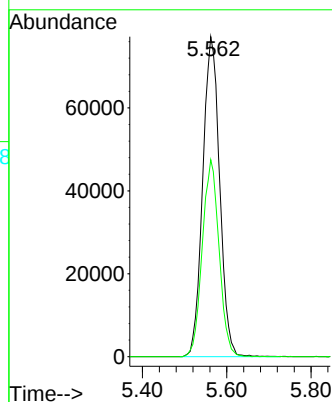
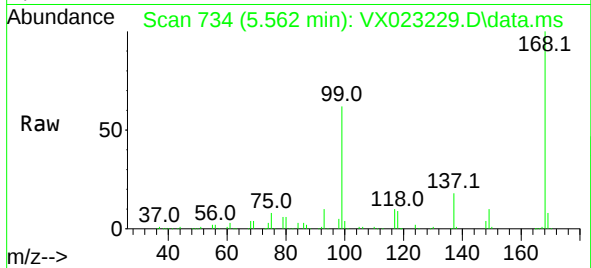




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

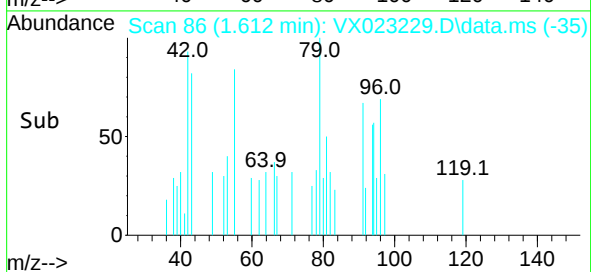
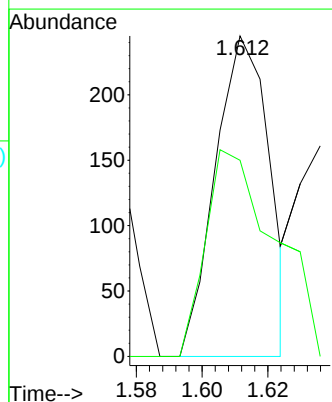
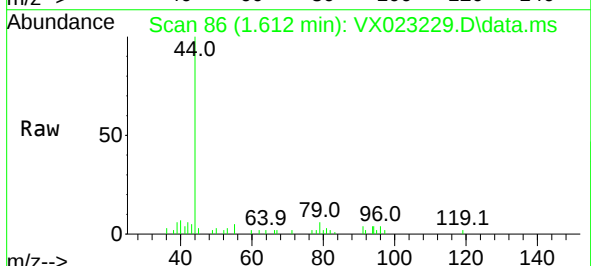
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

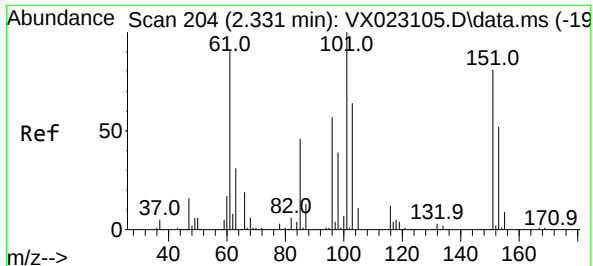
Tgt Ion:168 Resp: 215563
Ion Ratio Lower Upper
168 100
99 61.5 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 61.2 76.4 114.6#

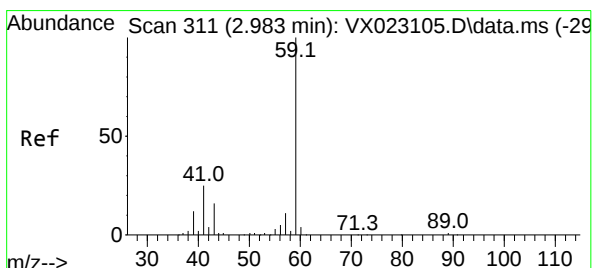
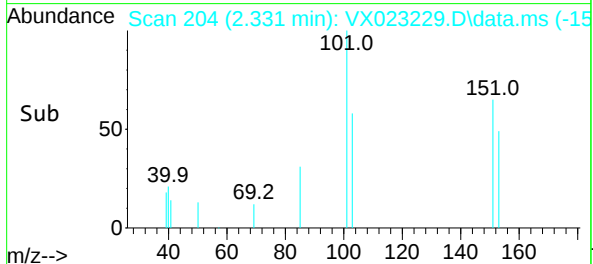
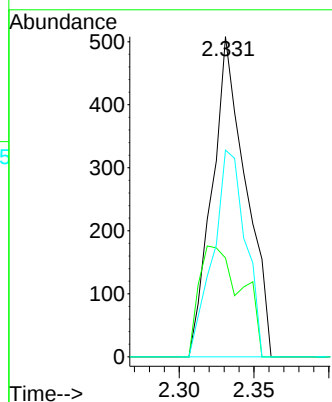
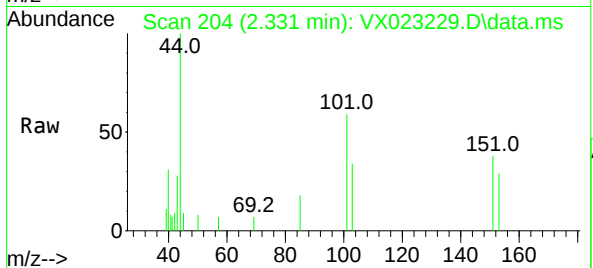




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.381 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

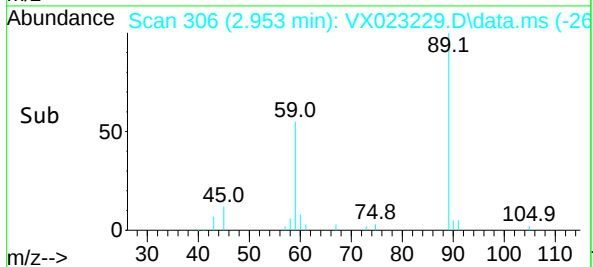
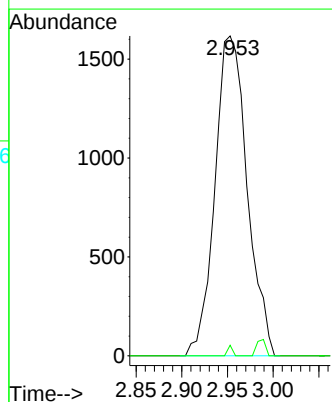
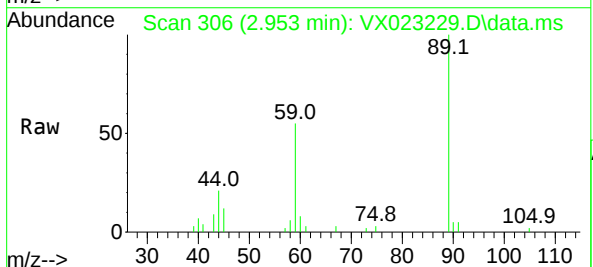
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

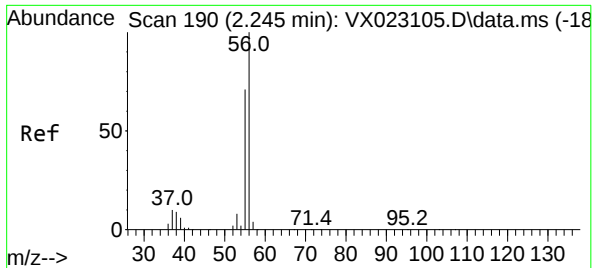
Tgt Ion:101 Resp: 793
Ion Ratio Lower Upper
101 100
85 43.6 34.9 52.3
151 62.3 61.4 92.2



#11
Tert butyl alcohol
Concen: 6.528 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 59 Resp: 3979
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.8#

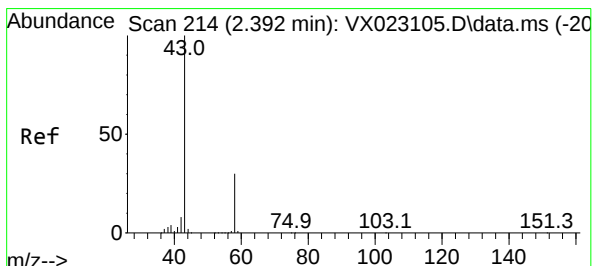
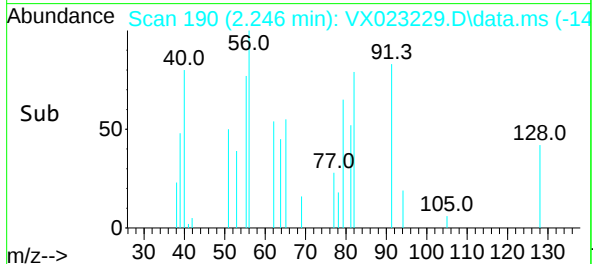
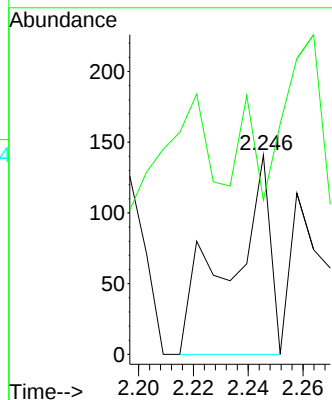
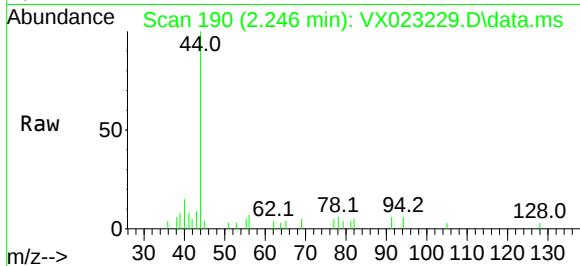




#13
Acrolein
Concen: 0.355 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

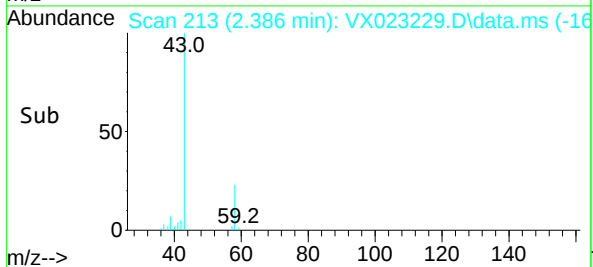
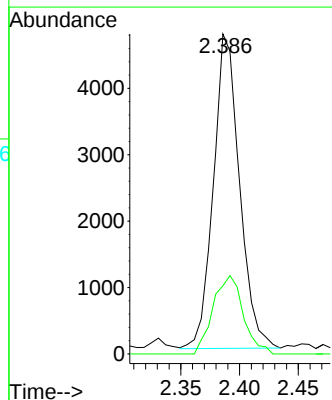
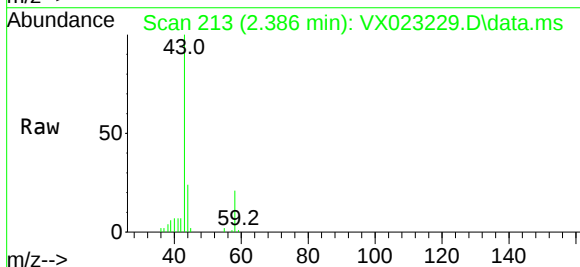
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

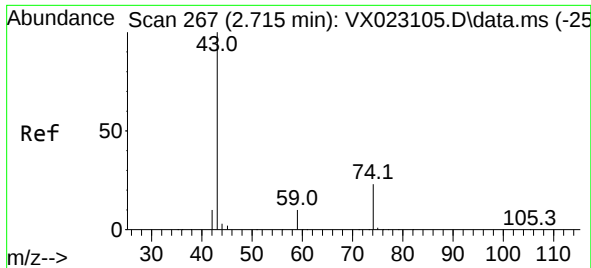
Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 6.392 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 43 Resp: 7326
Ion Ratio Lower Upper
43 100
58 21.7 27.8 41.8#

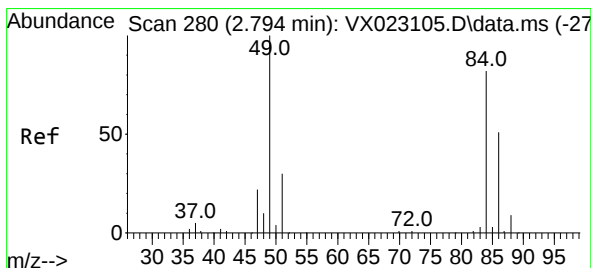
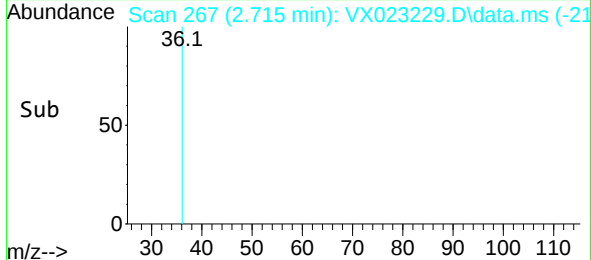
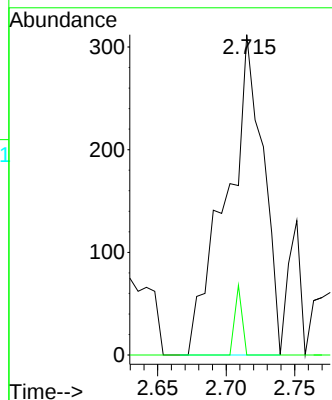
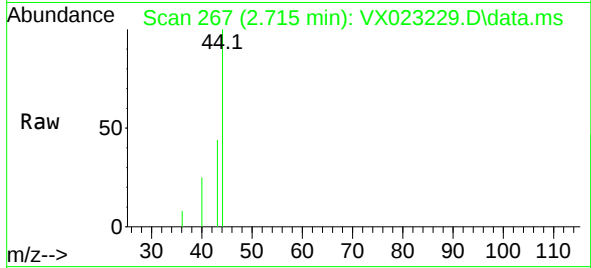




#18
Methyl Acetate
Concen: 0.209 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

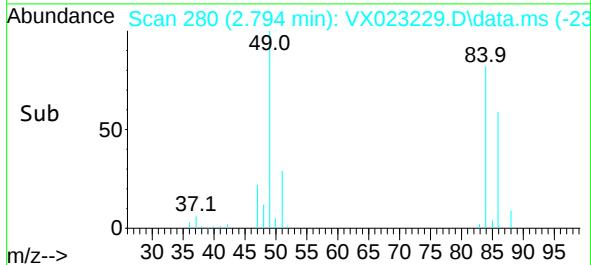
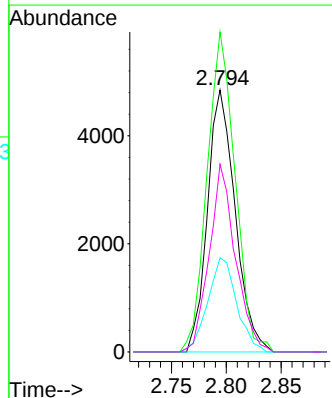
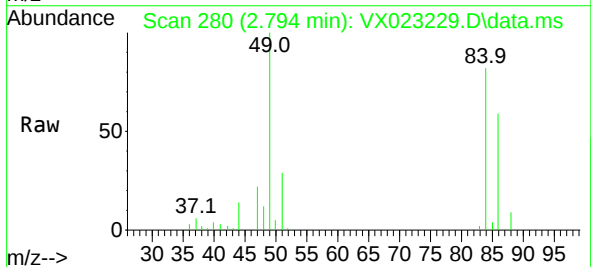
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

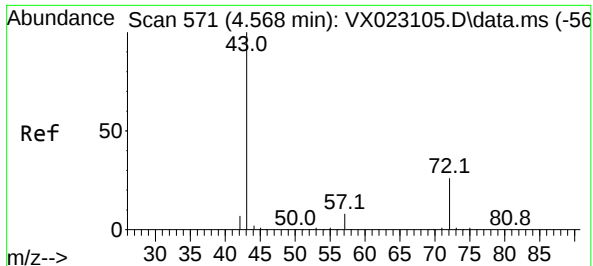
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
74 4.3 21.9 32.9#



#20
Methylene Chloride
Concen: 3.452 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 84 Resp: 8520
Ion Ratio Lower Upper
84 100
49 122.2 88.6 132.8
51 36.0 27.0 40.6
86 71.7 50.3 75.5





#25

2-Butanone

Concen: 1.033 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.013 min

Lab File: VX023229.D

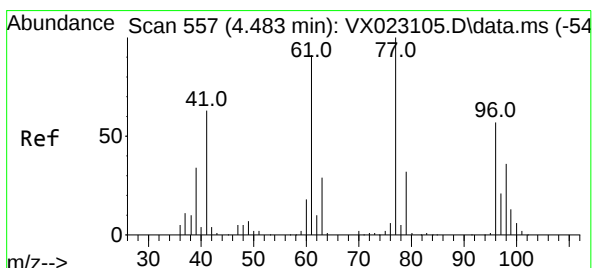
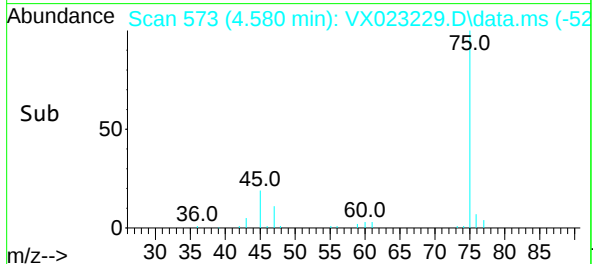
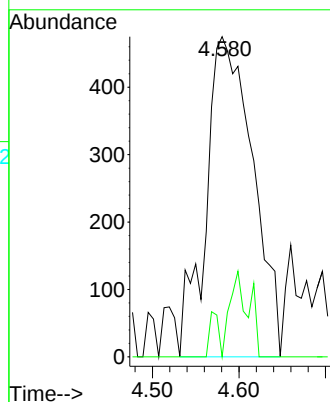
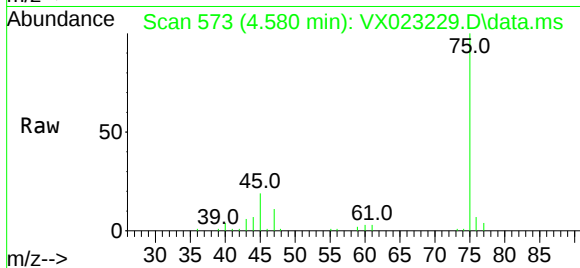
Acq: 09 Jul 2021 18:23

Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.359 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.104 min

Lab File: VX023229.D

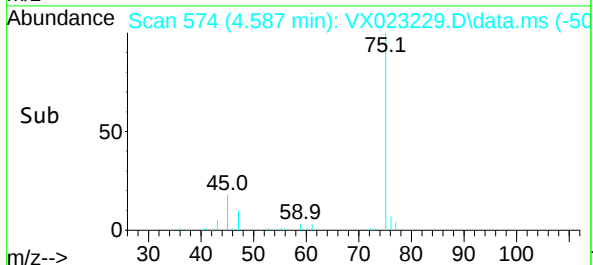
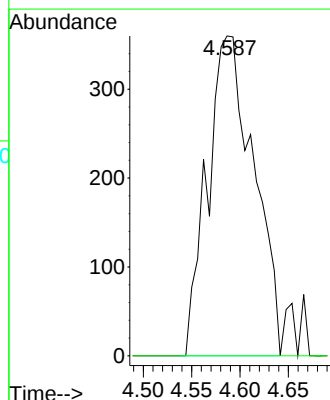
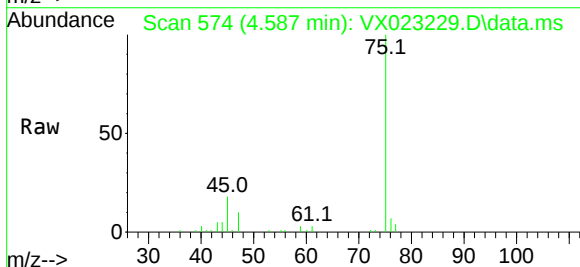
Acq: 09 Jul 2021 18:23

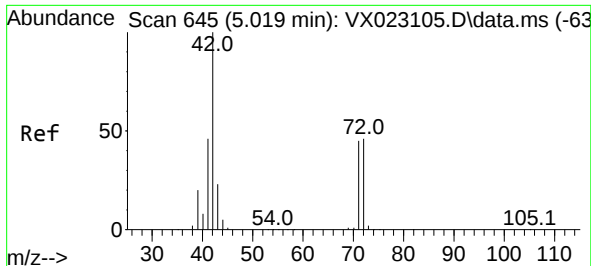
Tgt Ion: 77 Resp: 1199

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 2.658 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023229.D

Acq: 09 Jul 2021 18:23

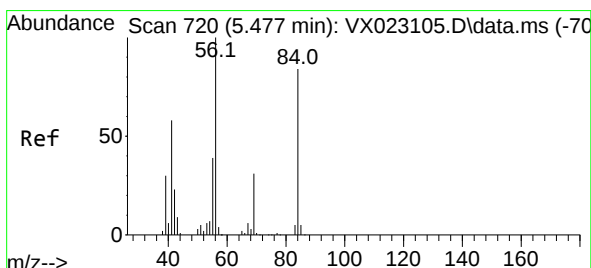
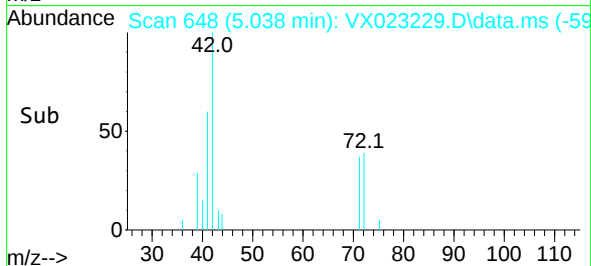
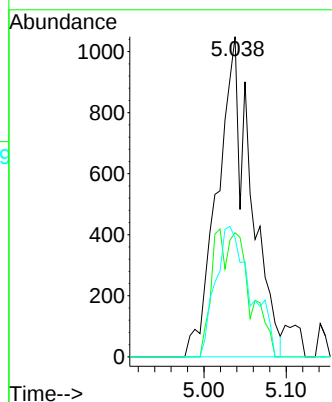
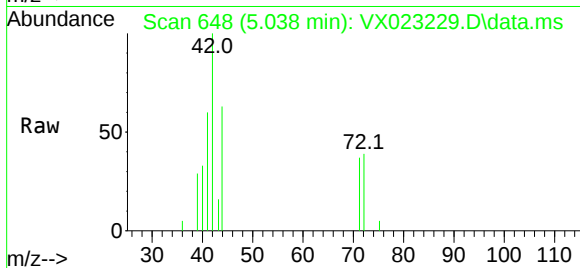
Instrument :

MSVOA_X

ClientSampleId :

PB137563ZHE#11

Tgt Ion:	42	Resp:	2953
Ion	Ratio	Lower	Upper
42	100		
72	17.1	41.7	62.5#
71	42.6	38.4	57.6



#31

Cyclohexane

Concen: 1.395 ug/l

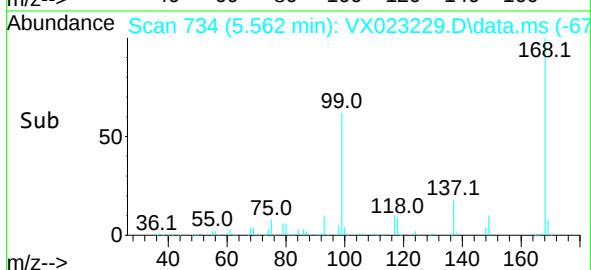
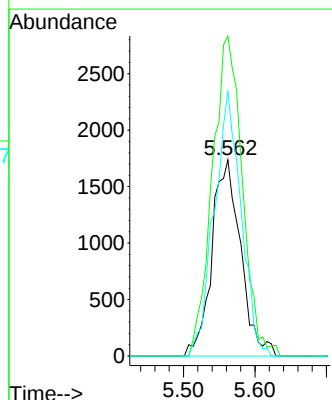
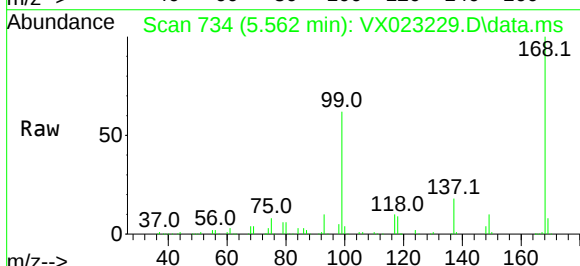
RT: 5.562 min Scan# 734

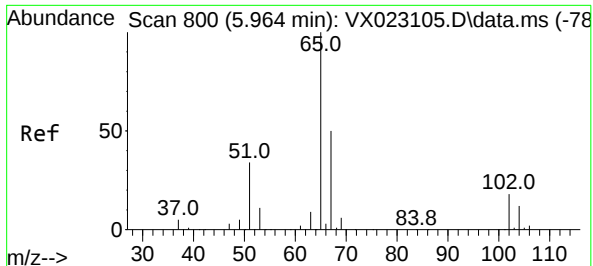
Delta R.T. 0.085 min

Lab File: VX023229.D

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Tgt Ion:	56	Resp:	4839
Ion	Ratio	Lower	Upper
56	100		
69	163.1	25.3	37.9#
84	134.7	71.4	107.0#



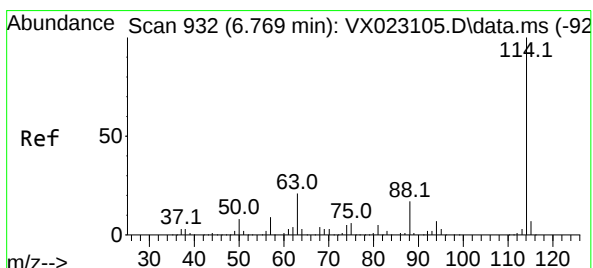
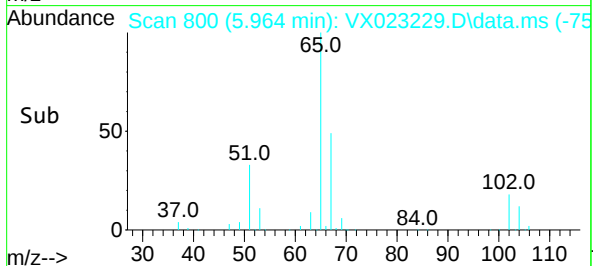
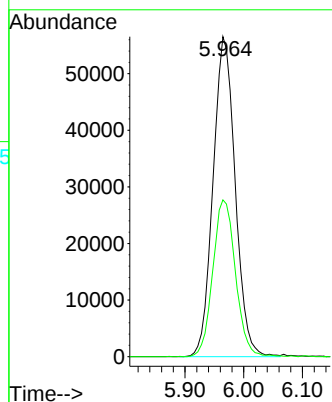
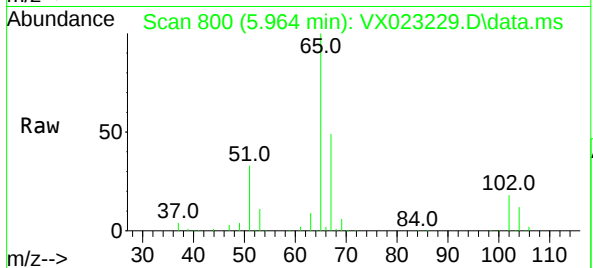


#33

1,2-Dichloroethane-d4
Concen: 51.156 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Instrument :
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ClientSampleId :
PB137563ZHE#11

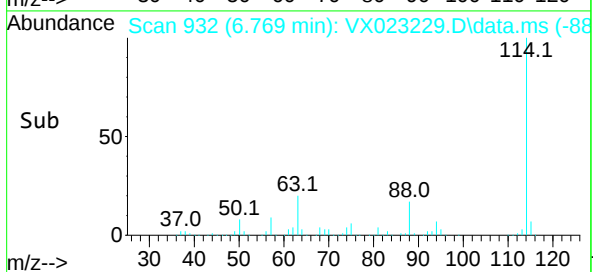
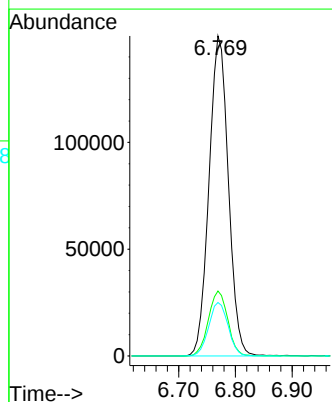
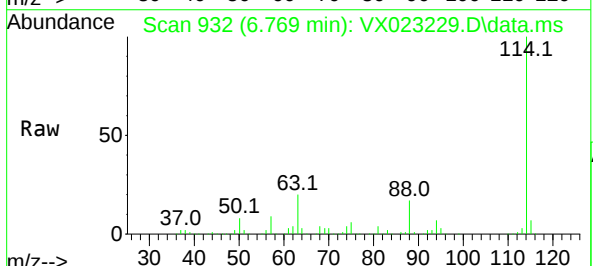
Tgt Ion: 65 Resp: 148206
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

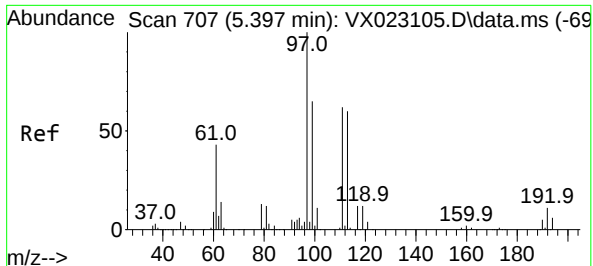


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 114 Resp: 354692
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.7 0.0 32.8

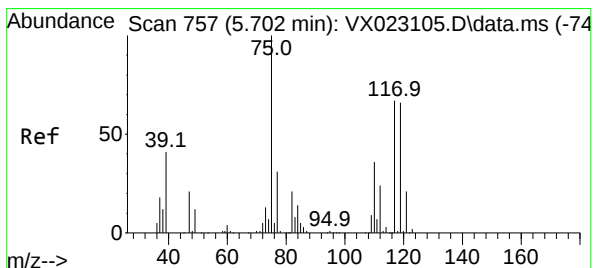
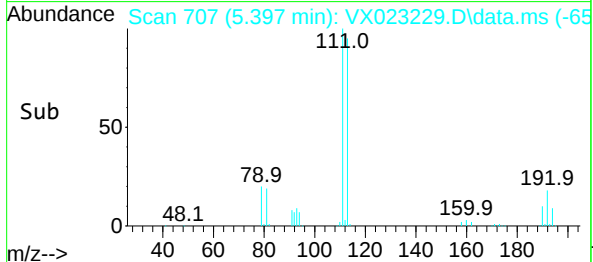
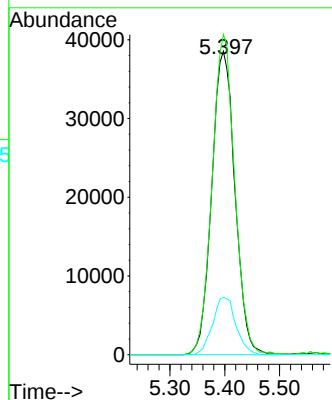
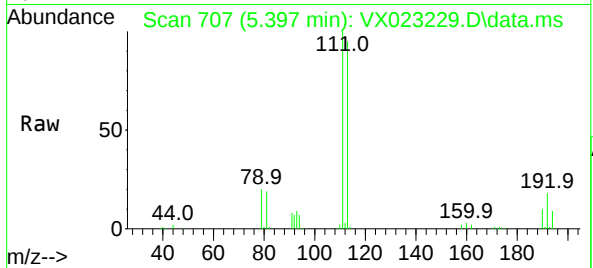




#35
Dibromofluoromethane
Concen: 49.430 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

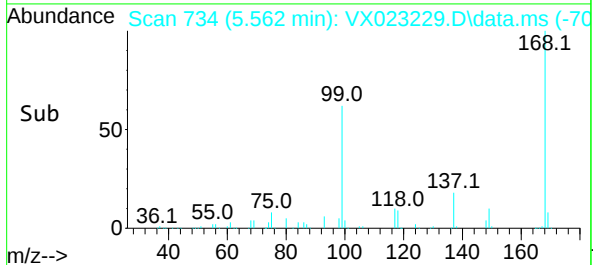
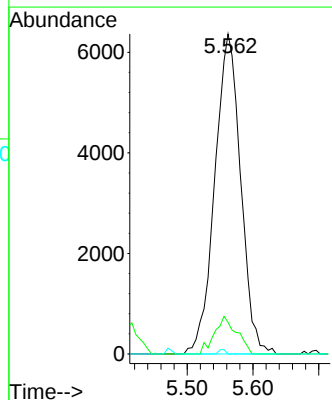
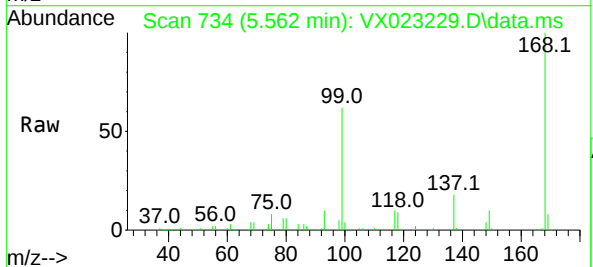
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

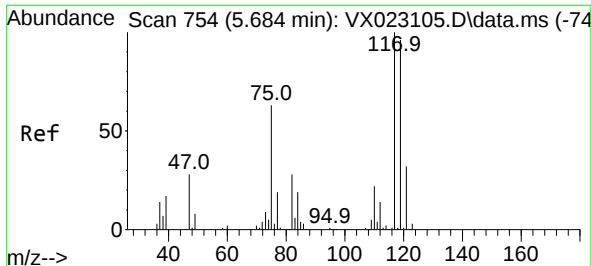
Tgt Ion:113 Resp: 113218
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.505 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

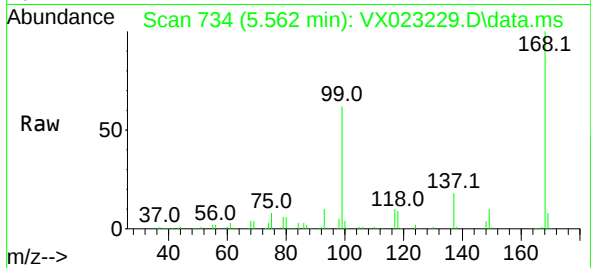
Tgt Ion: 75 Resp: 17408
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.4 25.3 37.9#



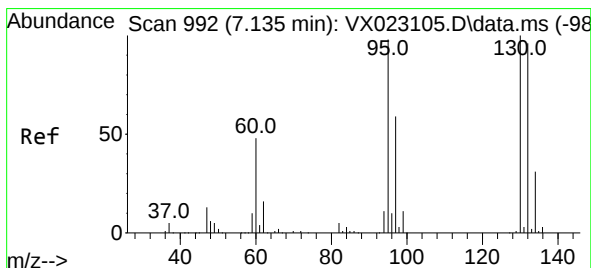
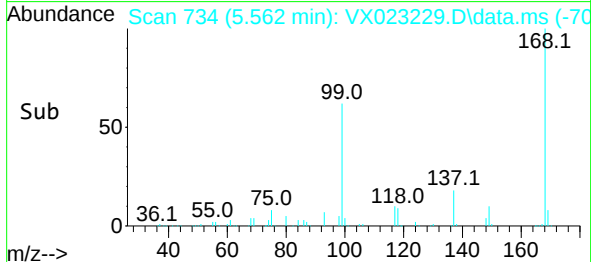
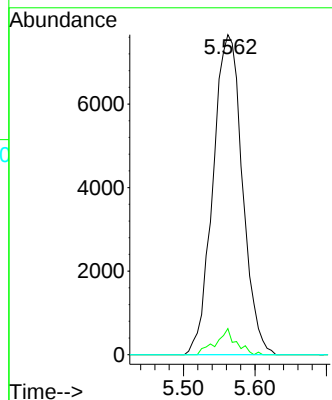


#38
Carbon Tetrachloride
Concen: 6.632 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

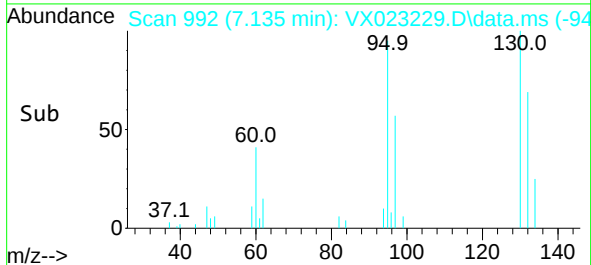
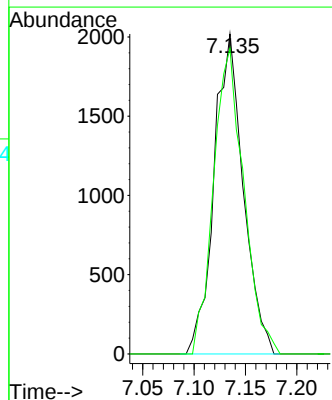
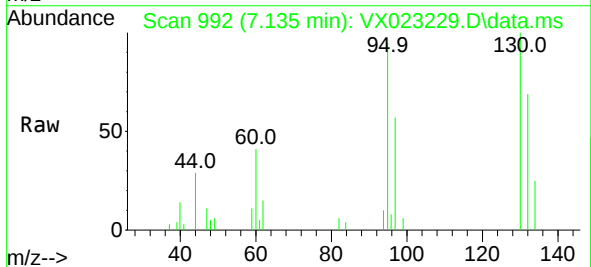


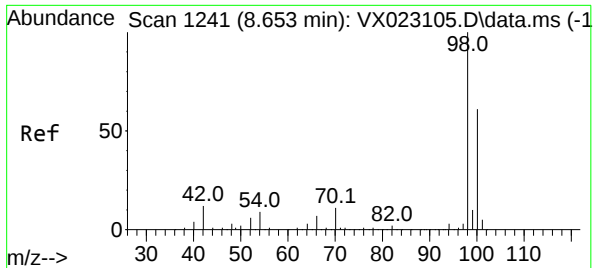
Tgt Ion:117 Resp: 21889
Ion Ratio Lower Upper
117 100
119 8.2 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 1.534 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion:130 Resp: 3995
Ion Ratio Lower Upper
130 100
95 95.4 0.0 198.0

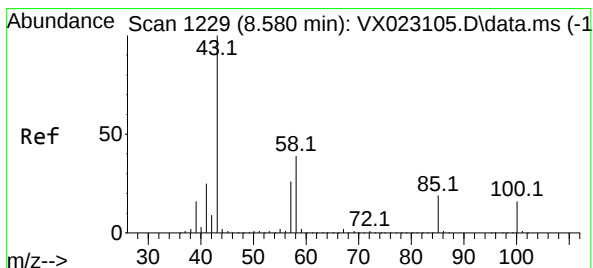
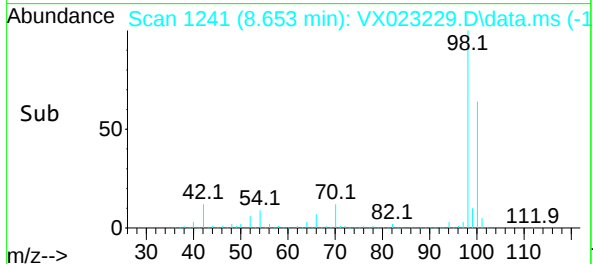
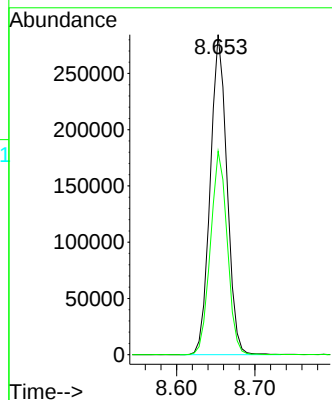
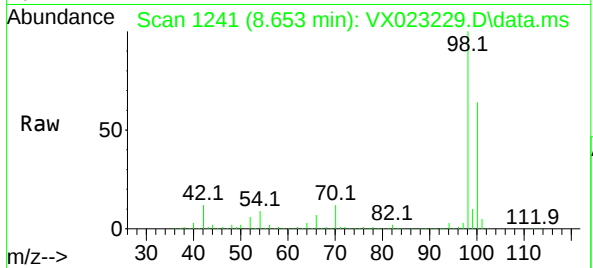




#50
Toluene-d8
Concen: 49.302 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

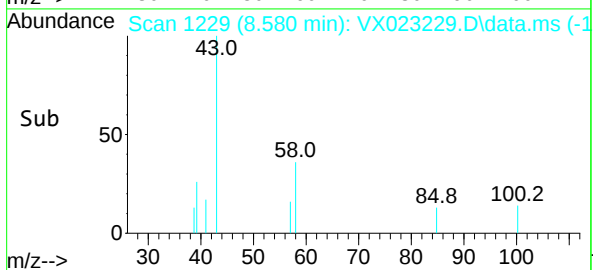
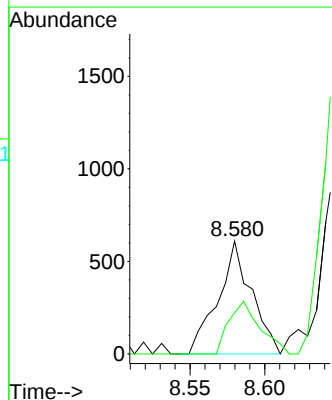
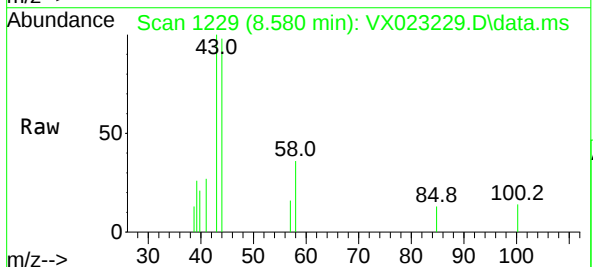
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

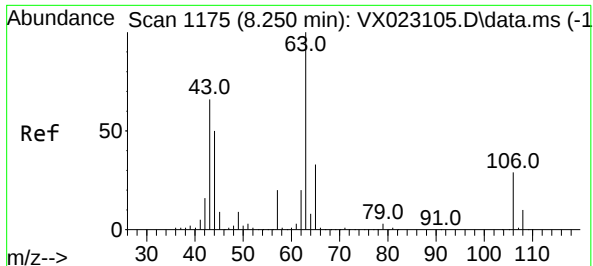
Tgt Ion: 98 Resp: 421231
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.267 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
58 43.4 35.4 53.0

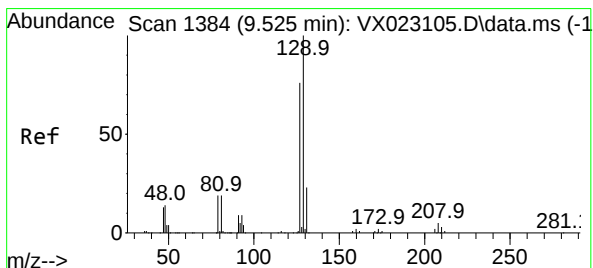
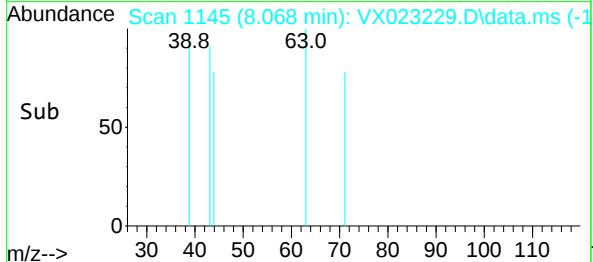
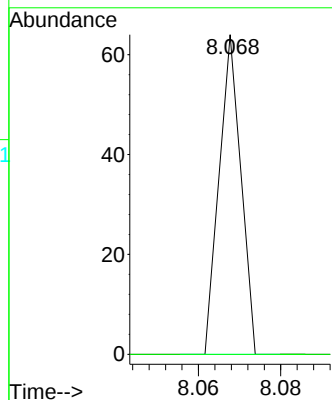
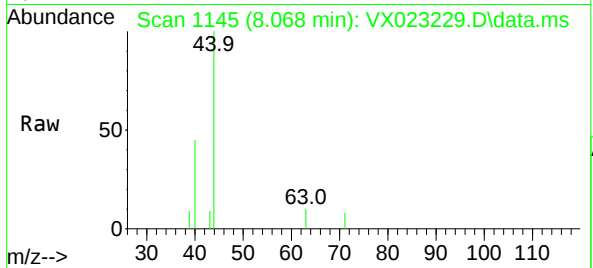




#58
2-Chloroethyl Vinyl ether
Concen: 4.700 ug/l
RT: 8.068 min Scan# 1145
Delta R.T. -0.182 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

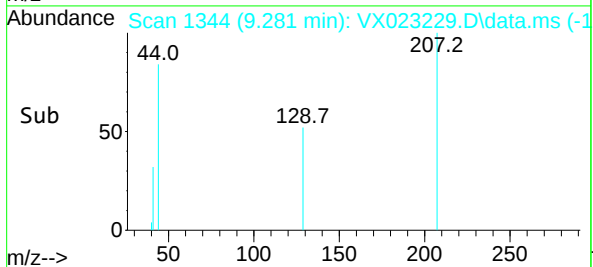
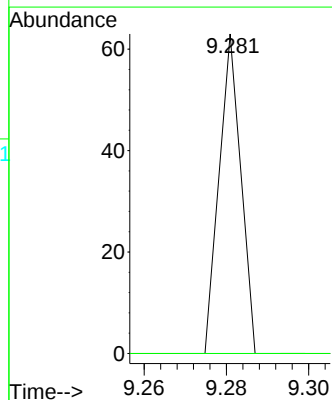
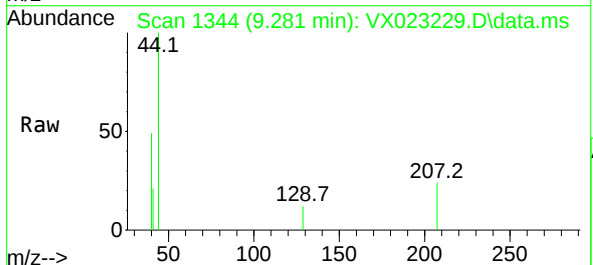
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

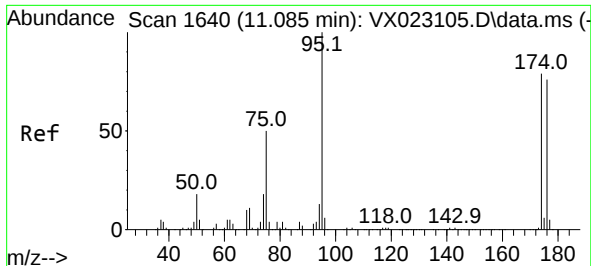
Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 3.120 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 129 Resp: 23
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

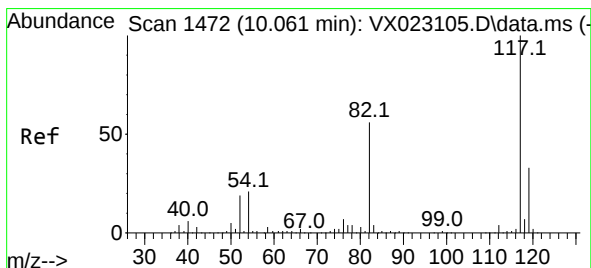
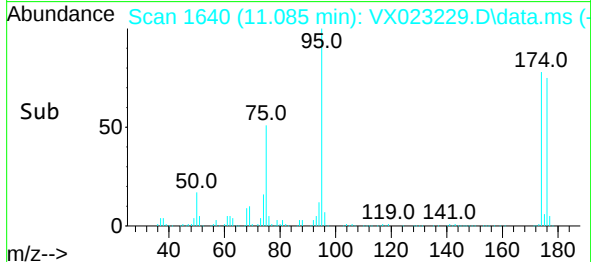
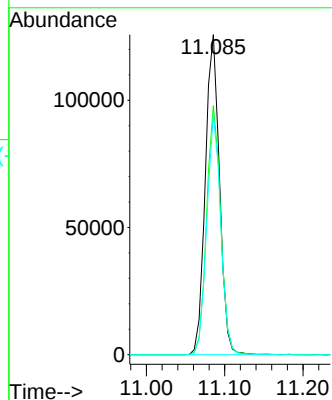
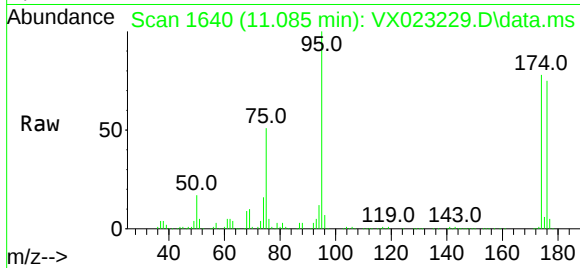




#62
4-Bromofluorobenzene
Concen: 47.838 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

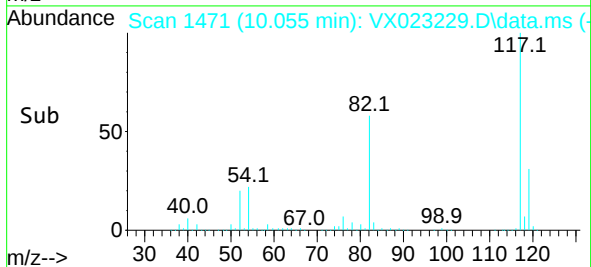
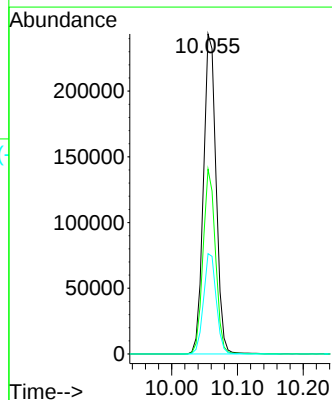
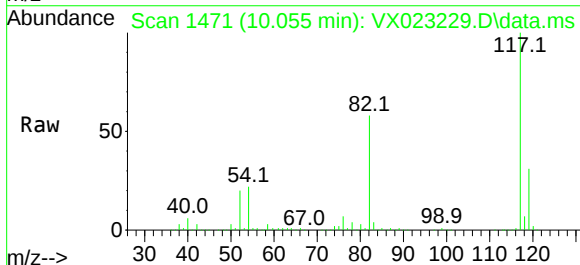
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

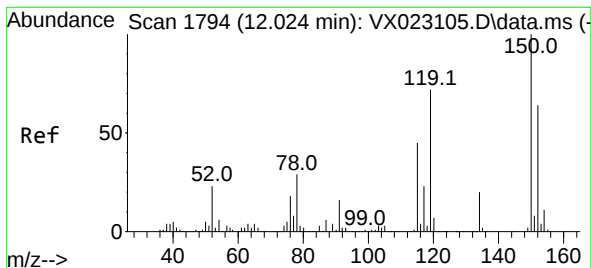
Tgt Ion: 95 Resp: 157789
Ion Ratio Lower Upper
95 100
174 77.6 0.0 154.6
176 73.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 117 Resp: 325389
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.4 26.6 39.8

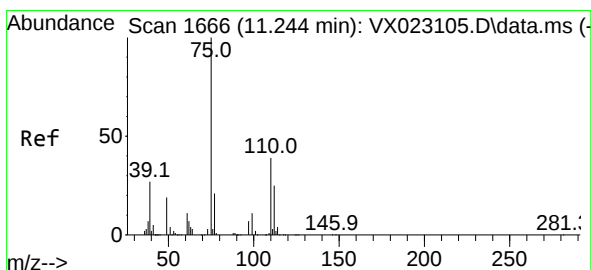
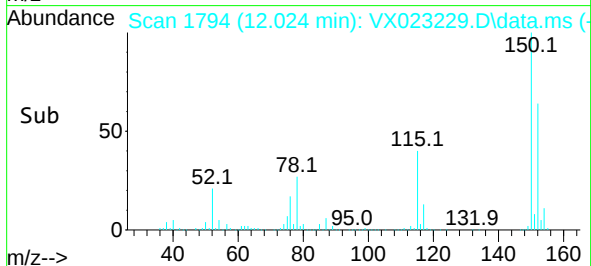
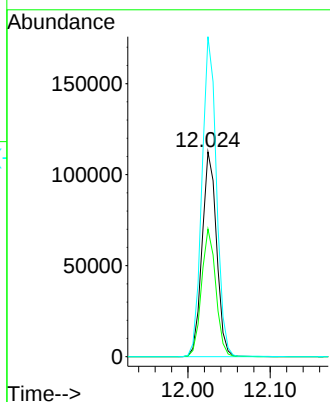
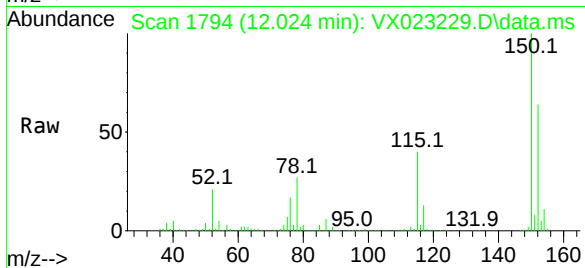




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023229.D
 Acq: 09 Jul 2021 18:23

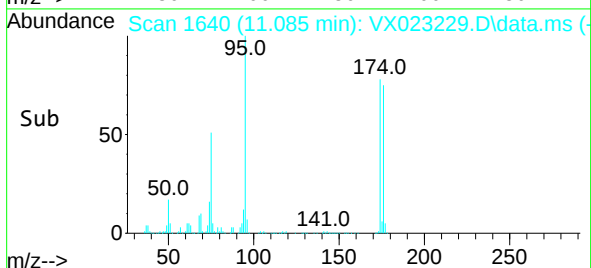
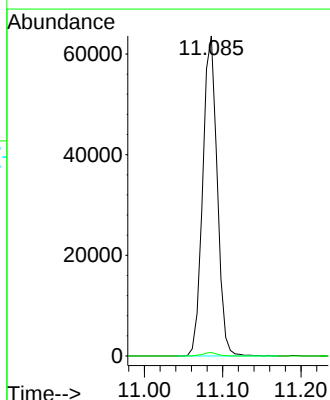
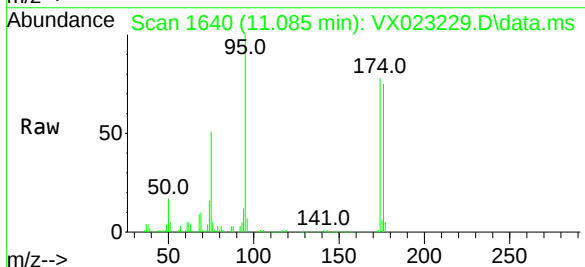
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137563ZHE#11

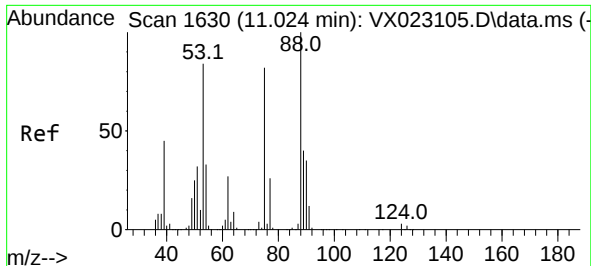
Tgt Ion:152 Resp: 137539
 Ion Ratio Lower Upper
 152 100
 115 61.6 41.1 123.3
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.384 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023229.D
 Acq: 09 Jul 2021 18:23

Tgt Ion: 75 Resp: 81328
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

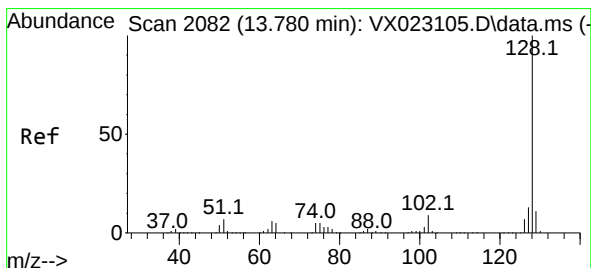
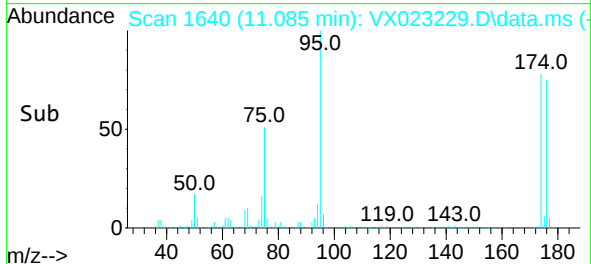
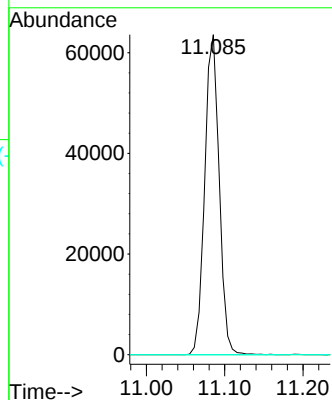
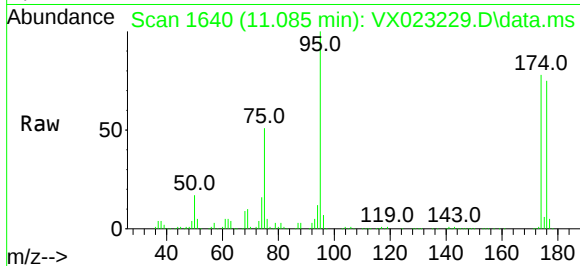




#81
trans-1,4-Dichloro-2-butene
Concen: 78.995 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#11

Tgt Ion: 75 Resp: 81328
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.294 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023229.D
Acq: 09 Jul 2021 18:23

Tgt Ion: 128 Resp: 199
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

