

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070921\
 Data File : VX023225.D
 Acq On : 09 Jul 2021 16:49
 Operator : JC/MD
 Sample : PB137563ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137563ZHE#13

Quant Time: Jul 10 04:21:28 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	212712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	349550	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	307418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128048	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	145192	50.787	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.580%
35) Dibromofluoromethane	5.397	113	110045	48.752	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.500%
50) Toluene-d8	8.653	98	410996	48.811	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.620%
62) 4-Bromofluorobenzene	11.085	95	145705	44.824	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.640%

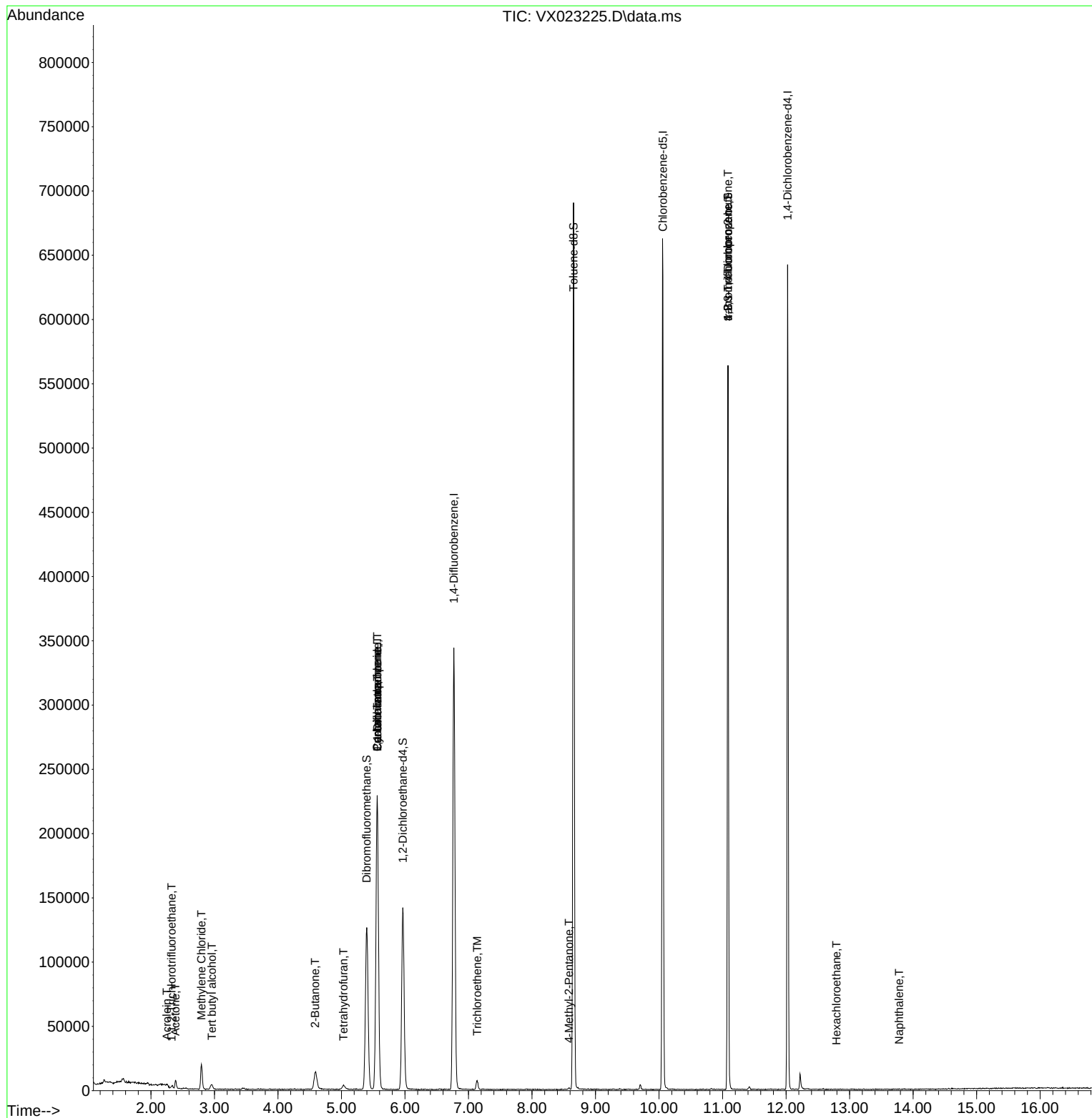
Target Compounds			Qvalue			
5) Bromomethane	1.587	94	69	Below Cal	#	2
9) 1,1,2-Trichlorotrifluo...	2.325	101	815	0.397	ug/l	96
11) Tert butyl alcohol	2.959	59	2584	4.296	ug/l #	83
13) Acrolein	2.252	56	96	0.240	ug/l #	46
16) Acetone	2.386	43	6822	6.032	ug/l	90
20) Methylene Chloride	2.794	84	8346	3.427	ug/l	91
25) 2-Butanone	4.586	43	1186	0.695	ug/l #	78
29) Tetrahydrofuran	5.032	42	3199	2.918	ug/l #	79
31) Cyclohexane	5.562	56	4381	1.280	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	16006	5.136	ug/l #	50
38) Carbon Tetrachloride	5.562	117	21910	6.736	ug/l #	16
44) Trichloroethene	7.135	130	2702	1.053	ug/l	92
51) 4-Methyl-2-Pentanone	8.580	43	1071	0.306	ug/l #	77
76) 1,2,3-Trichloropropane	11.085	75	74275	28.825	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	74275	77.582	ug/l #	12
90) Hexachloroethane	12.792	117	19	3.009	ug/l #	9
95) Naphthalene	13.780	128	152	1.291	ug/l #	69

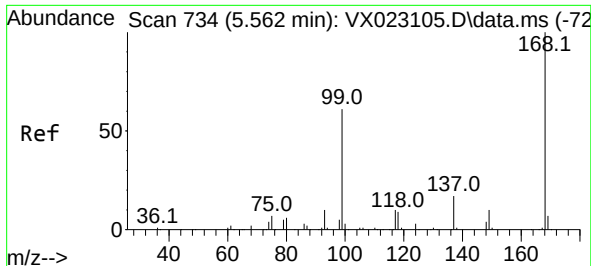
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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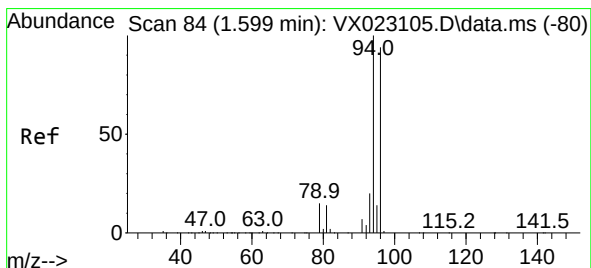
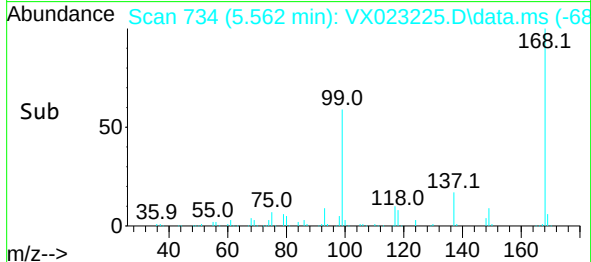
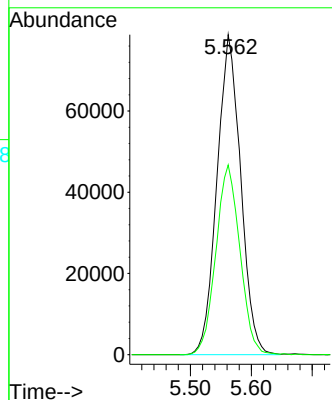
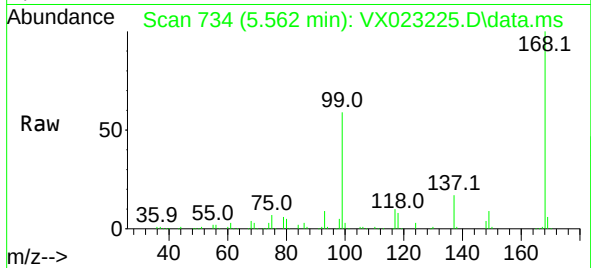




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

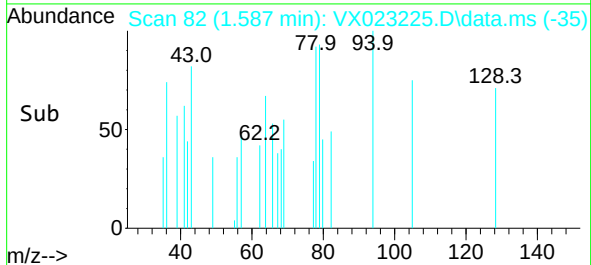
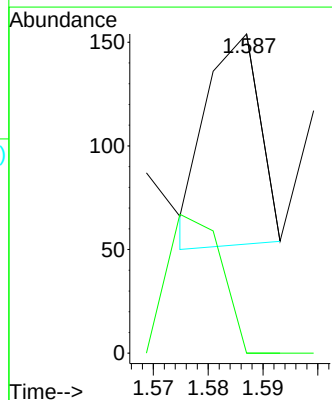
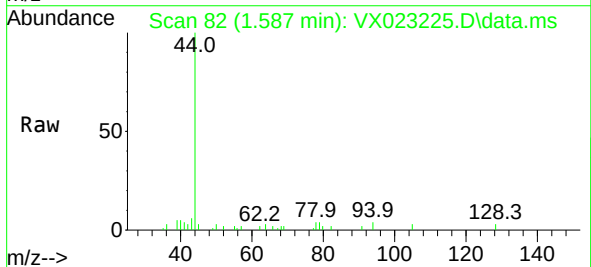
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

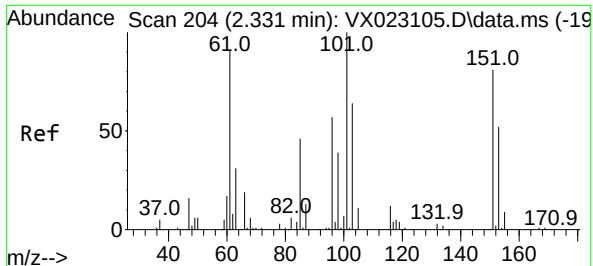
Tgt Ion:168 Resp: 212712
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 82
Delta R.T. -0.012 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

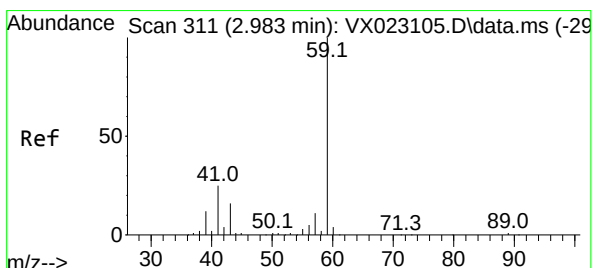
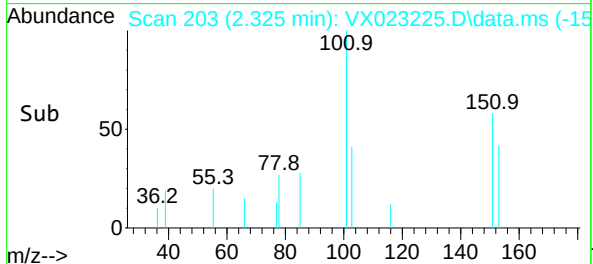
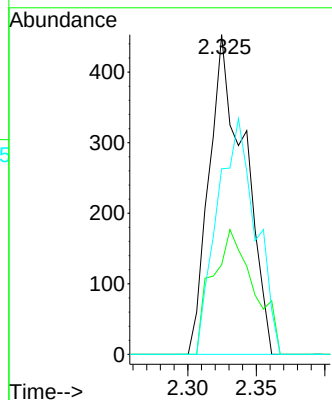
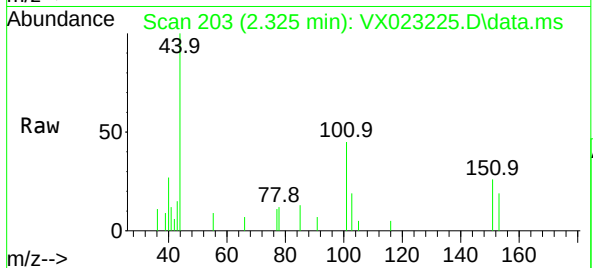




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.397 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

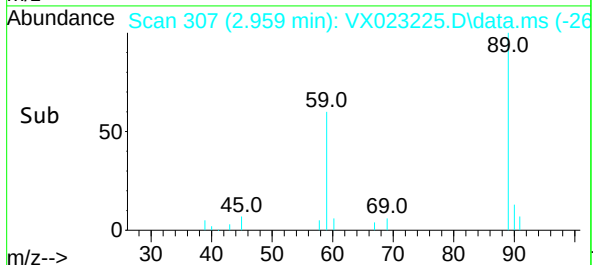
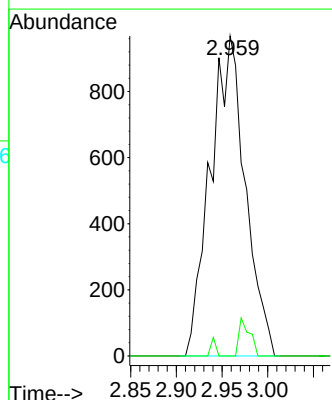
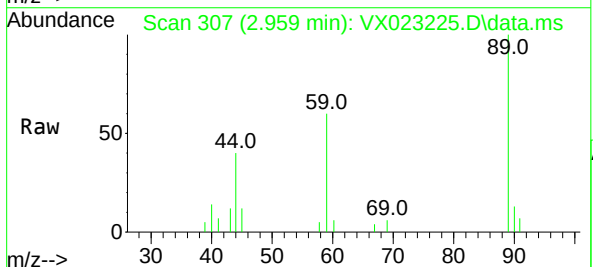
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

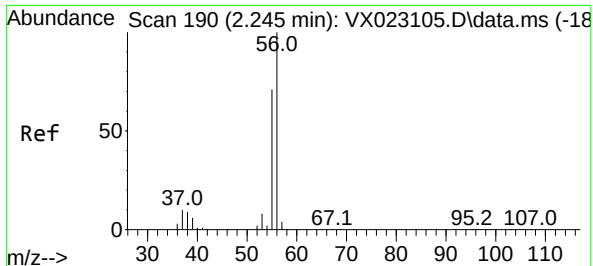
Tgt Ion:101 Resp: 815
Ion Ratio Lower Upper
101 100
85 45.8 34.9 52.3
151 80.0 61.4 92.2



#11
Tert butyl alcohol
Concen: 4.296 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion: 59 Resp: 2584
Ion Ratio Lower Upper
59 100
57 3.6 7.8 11.8#

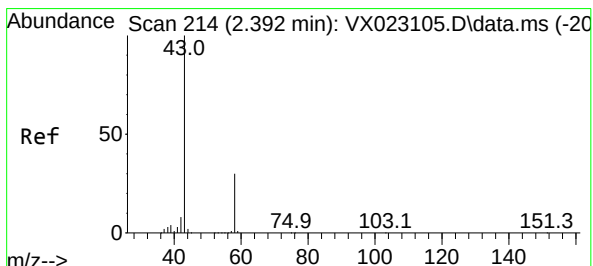
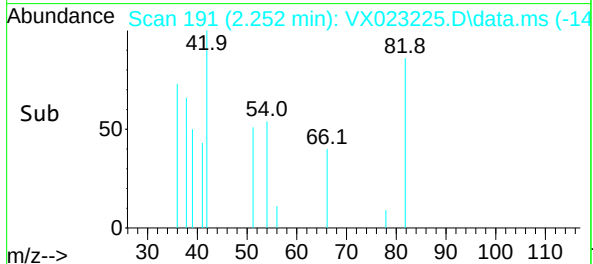
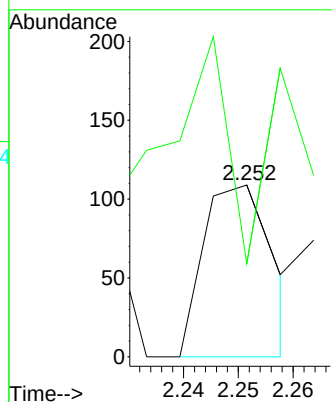
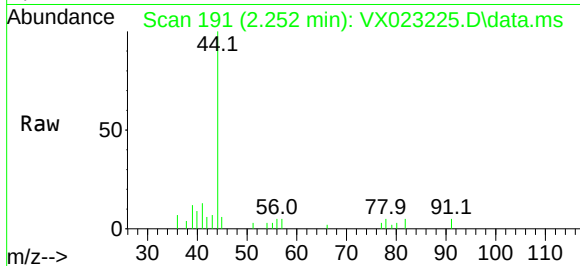




#13
Acrolein
Concen: 0.240 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

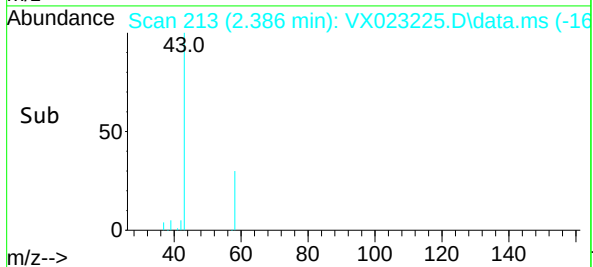
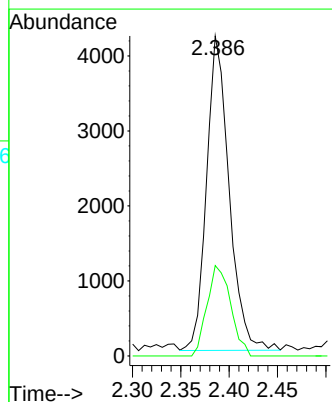
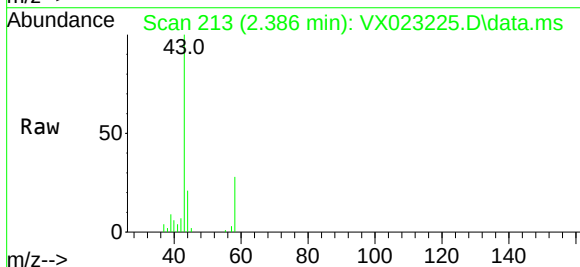
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

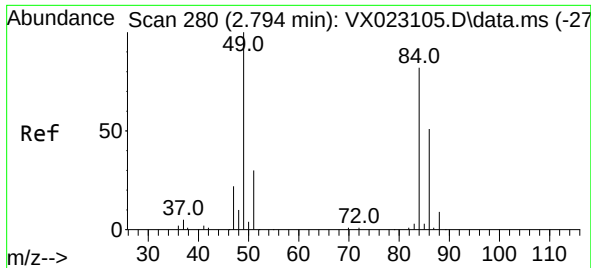
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 114.6 56.4 84.6#



#16
Acetone
Concen: 6.032 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

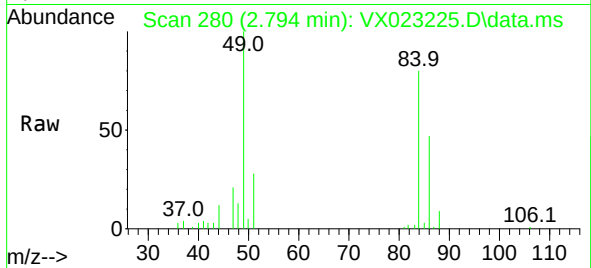
Tgt Ion: 43 Resp: 6822
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



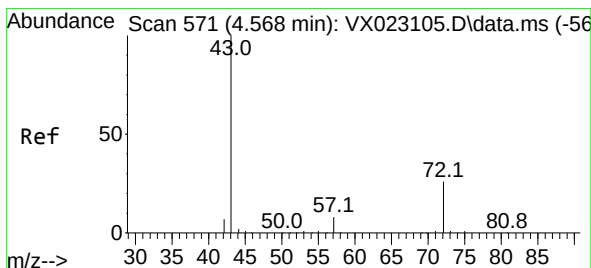
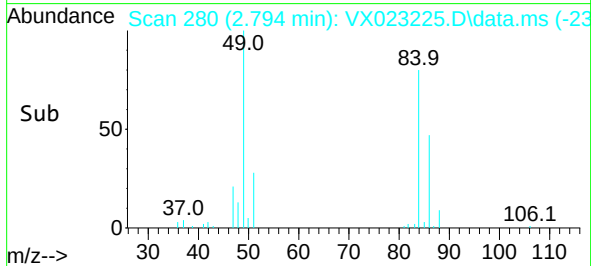
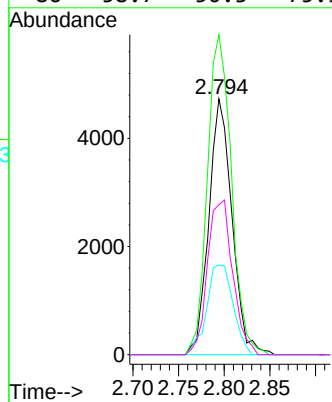


#20
Methylene Chloride
Concen: 3.427 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

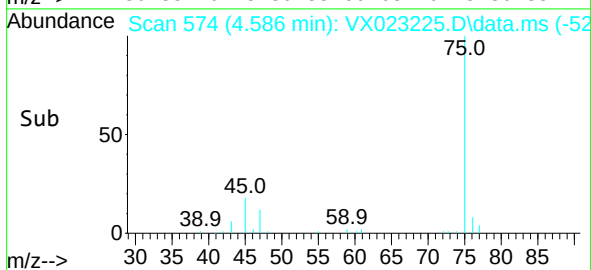
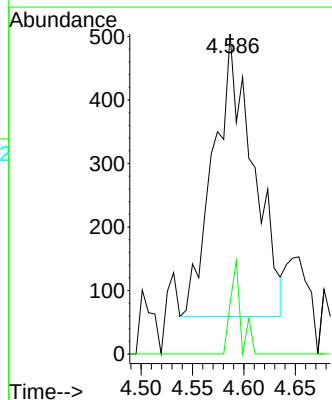
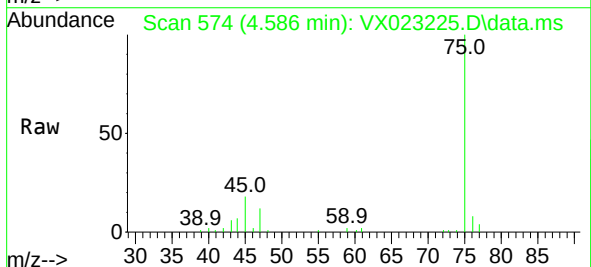


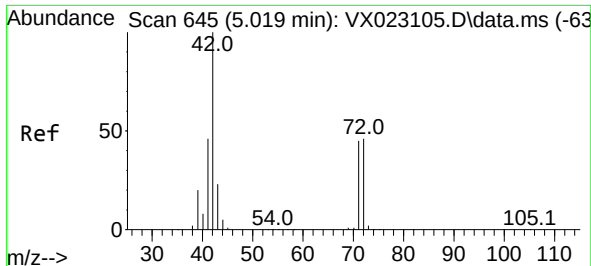
Tgt Ion:	84	Resp:	8346
Ion	Ratio	Lower	Upper
84	100		
49	125.1	88.6	132.8
51	35.0	27.0	40.6
86	58.7	50.3	75.5



#25
2-Butanone
Concen: 0.695 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion:	43	Resp:	1186
Ion	Ratio	Lower	Upper
43	100		
72	18.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 2.918 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023225.D

Acq: 09 Jul 2021 16:49

Instrument :

MSVOA_X

ClientSampleId :

PB137563ZHE#13

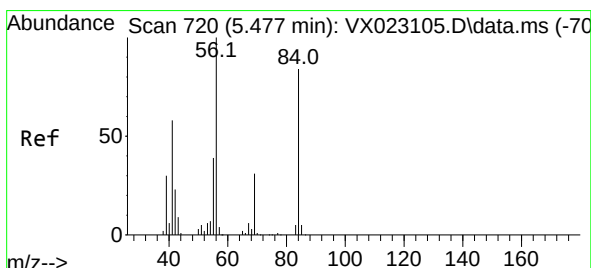
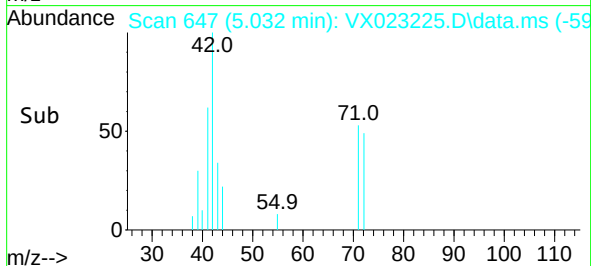
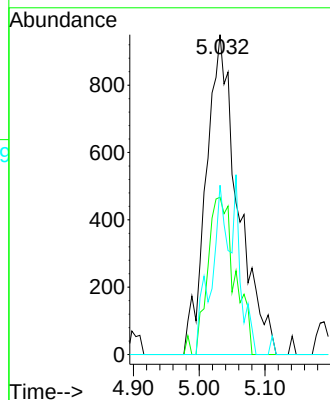
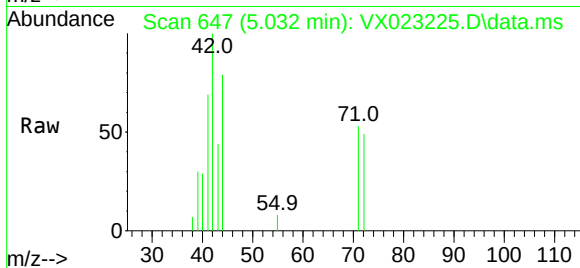
Tgt Ion: 42 Resp: 3199

Ion Ratio Lower Upper

42 100

72 41.4 41.7 62.5#

71 29.6 38.4 57.6#



#31

Cyclohexane

Concen: 1.280 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023225.D

Acq: 09 Jul 2021 16:49

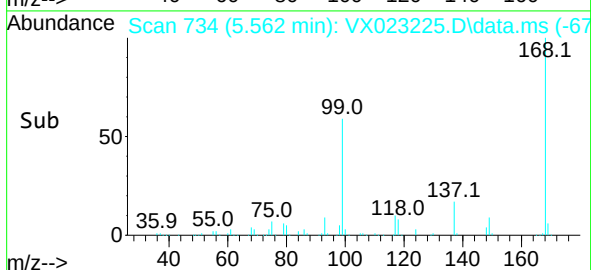
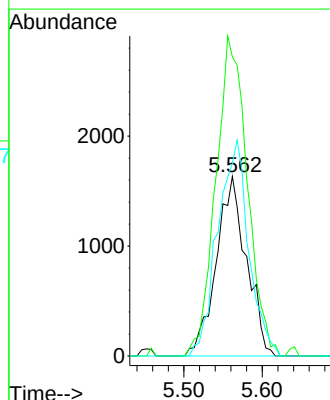
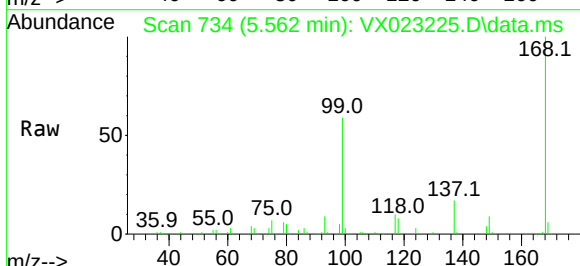
Tgt Ion: 56 Resp: 4381

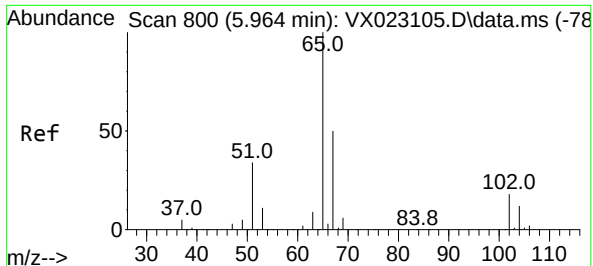
Ion Ratio Lower Upper

56 100

69 166.6 25.3 37.9#

84 107.3 71.4 107.0#



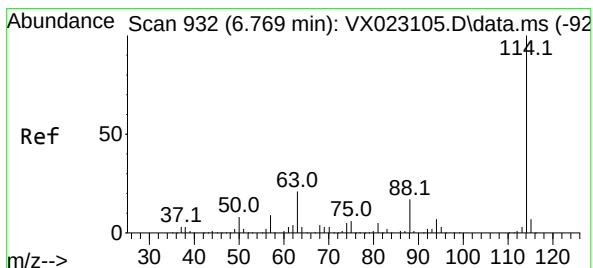
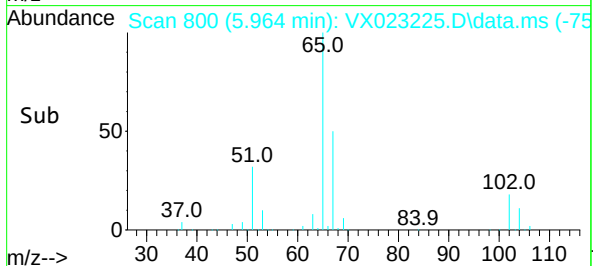
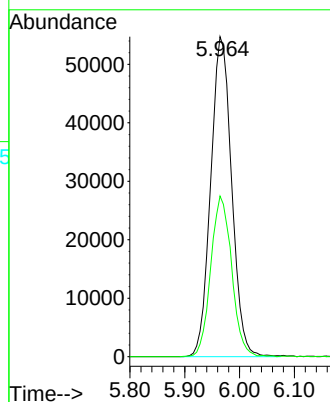
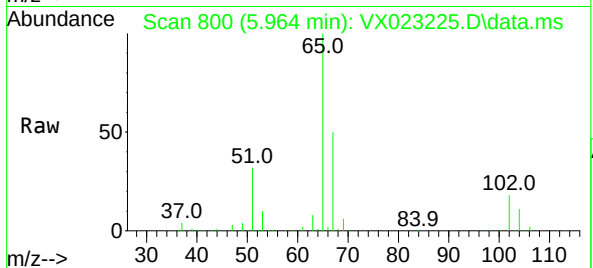


#33

1,2-Dichloroethane-d4
Concen: 50.787 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Instrument :
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PB137563ZHE#13

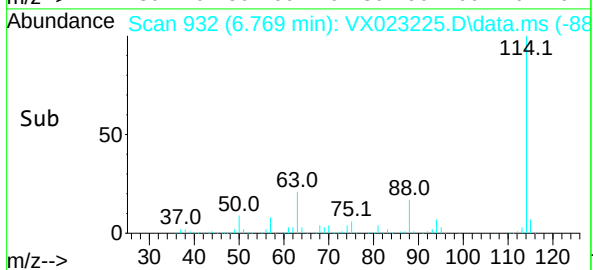
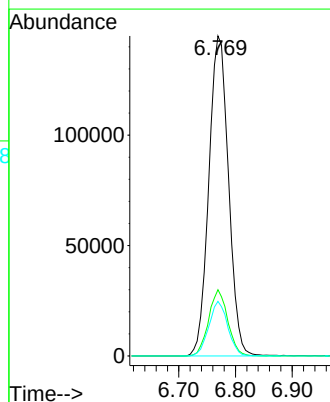
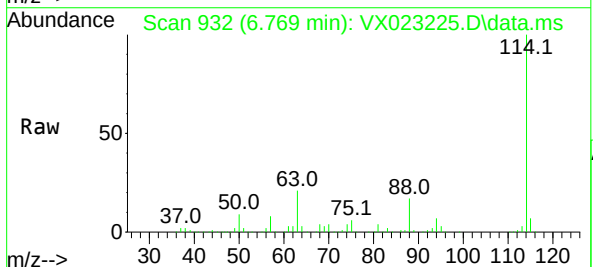
Tgt Ion: 65 Resp: 145192
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

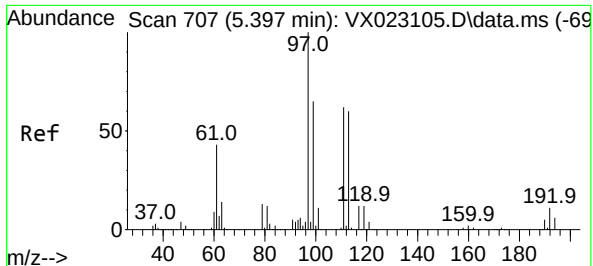


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion: 114 Resp: 349550
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 17.0 0.0 32.8

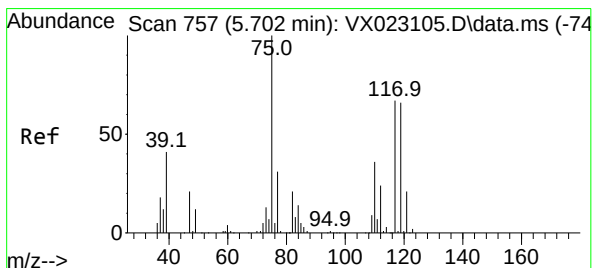
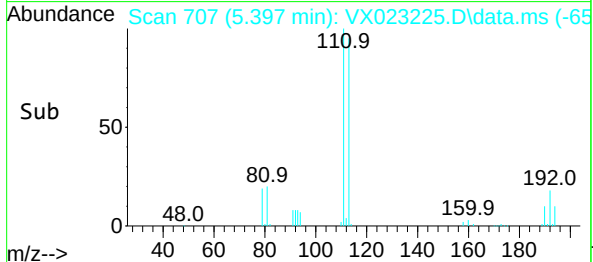
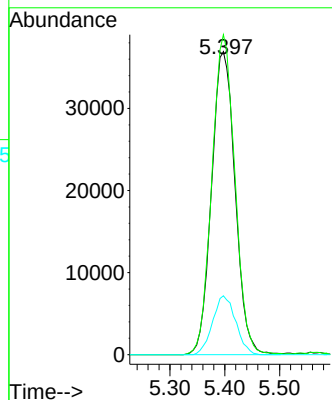
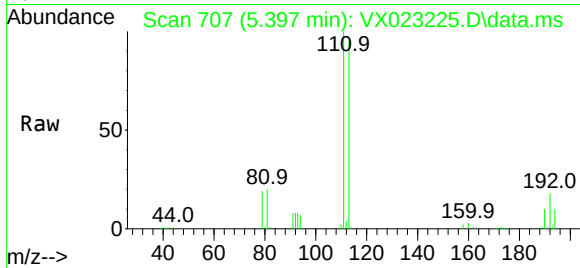




#35
Dibromofluoromethane
Concen: 48.752 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

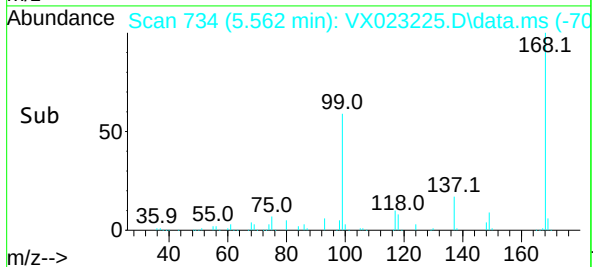
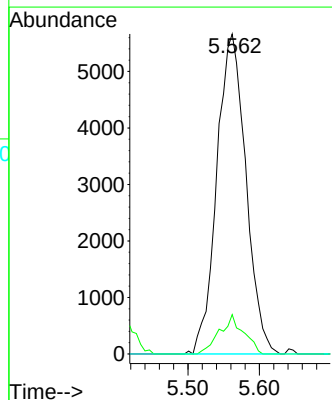
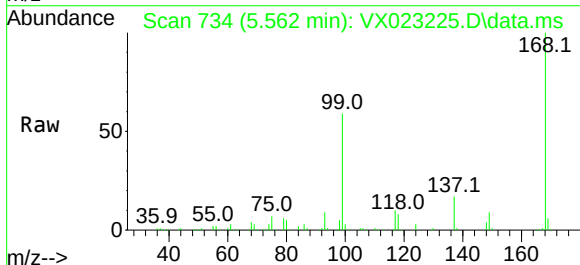
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

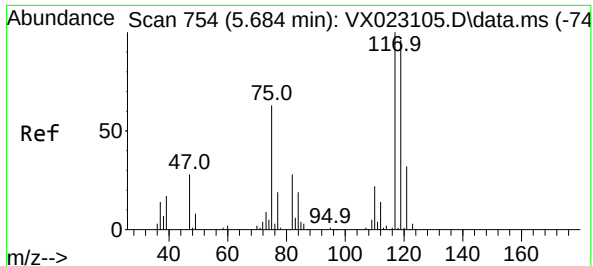
Tgt Ion:113 Resp: 110045
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.136 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

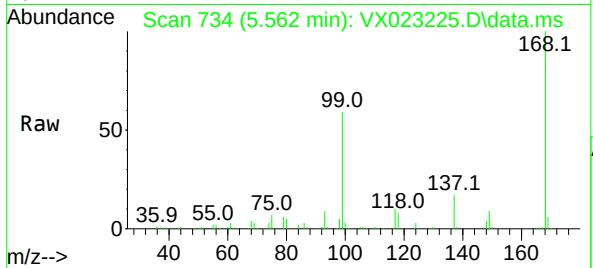
Tgt Ion: 75 Resp: 16006
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



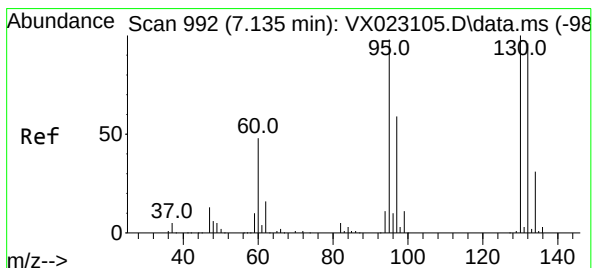
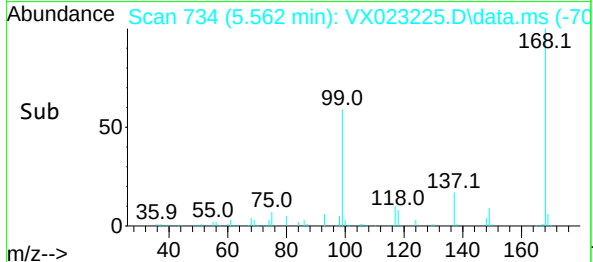
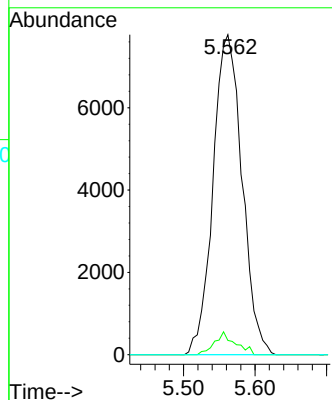


#38
Carbon Tetrachloride
Concen: 6.736 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

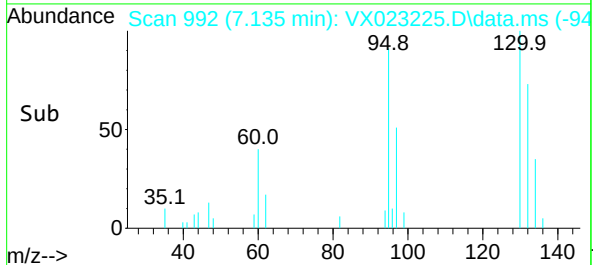
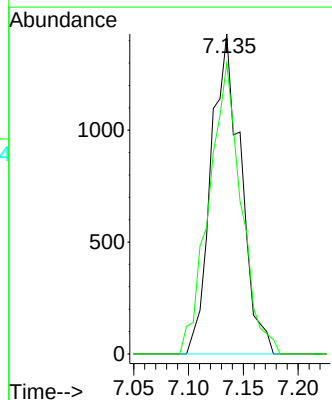
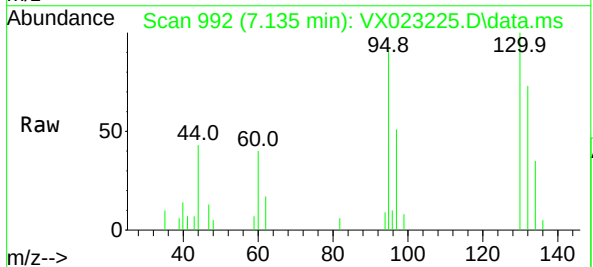


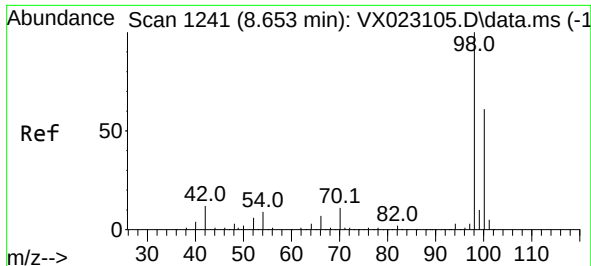
Tgt Ion:117 Resp: 21910
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 1.053 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion:130 Resp: 2702
Ion Ratio Lower Upper
130 100
95 90.8 0.0 198.0

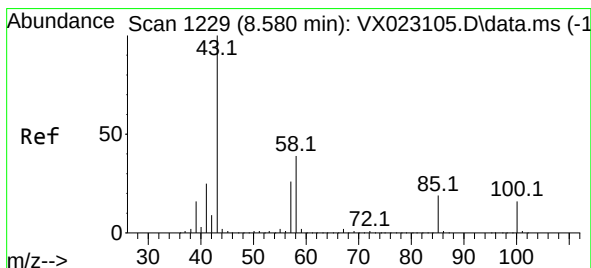
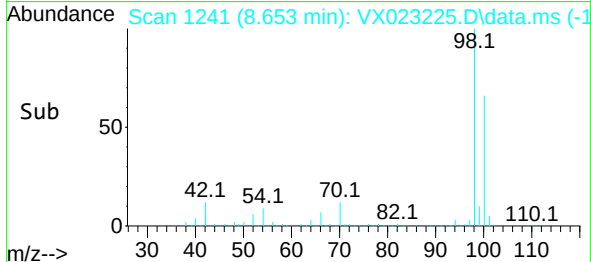
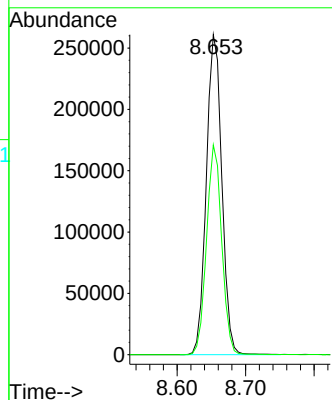
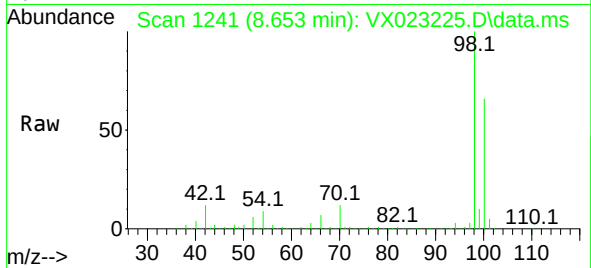




#50
Toluene-d8
Concen: 48.811 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

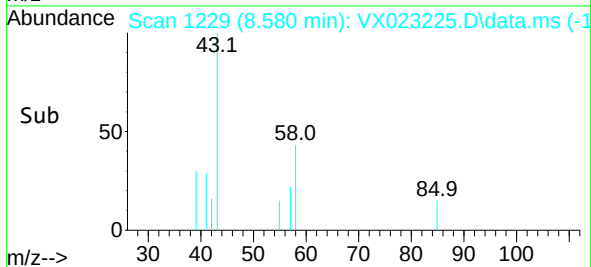
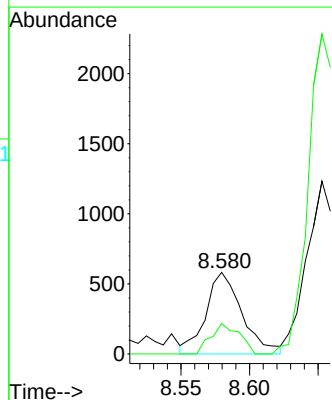
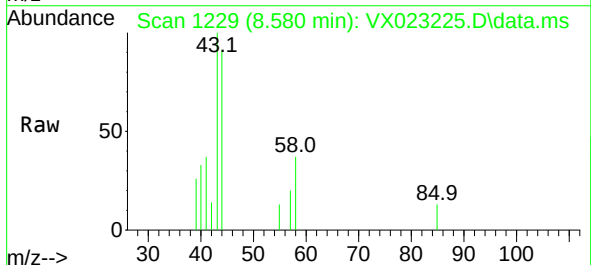
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

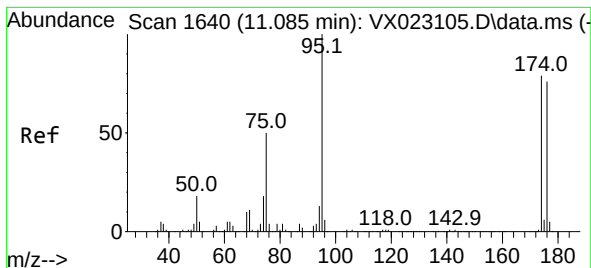
Tgt Ion: 98 Resp: 410996
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.306 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 29.4 35.4 53.0#

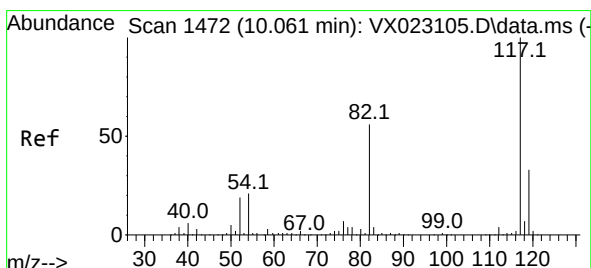
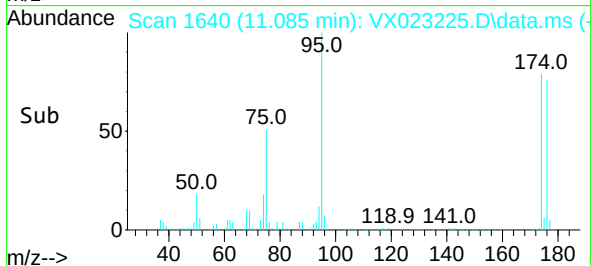
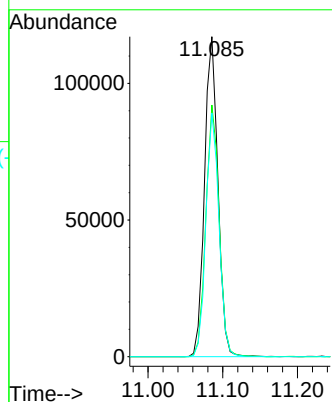
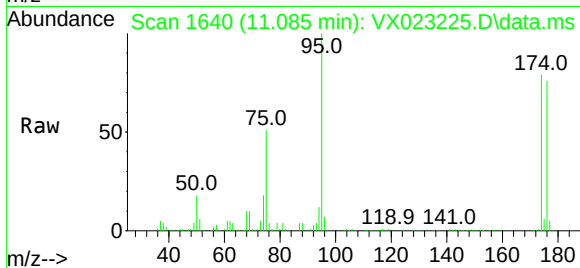




#62
4-Bromofluorobenzene
Concen: 44.824 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

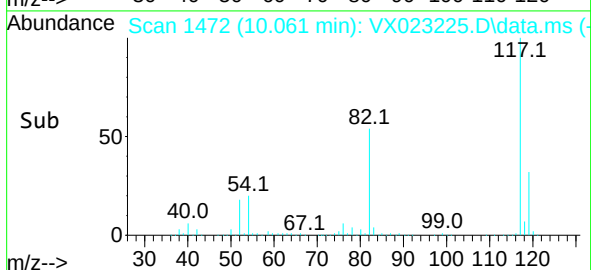
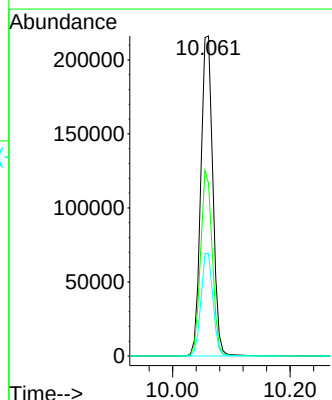
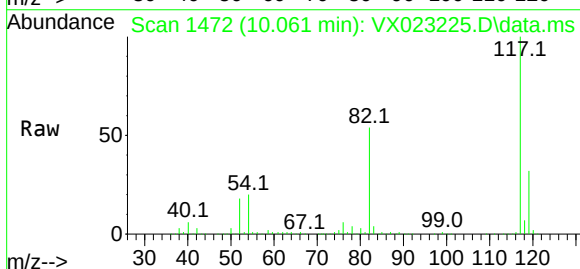
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

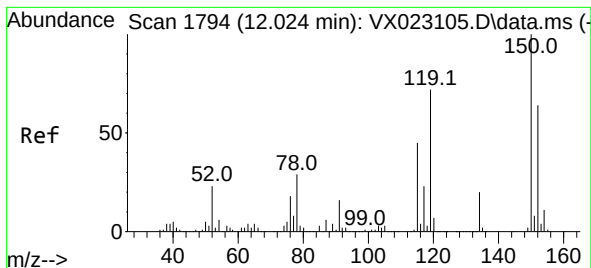
Tgt Ion: 95 Resp: 145705
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 74.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion: 117 Resp: 307418
Ion Ratio Lower Upper
117 100
82 53.9 47.4 71.2
119 32.0 26.6 39.8

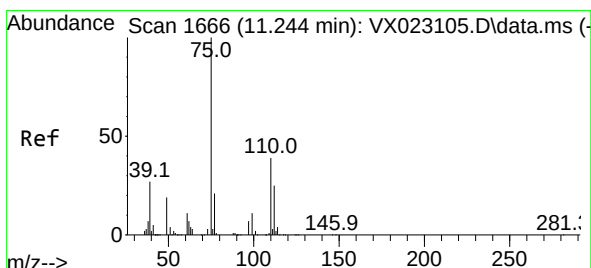
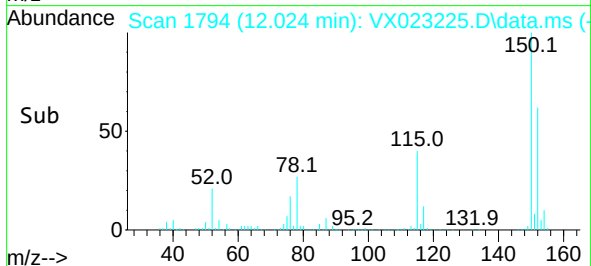
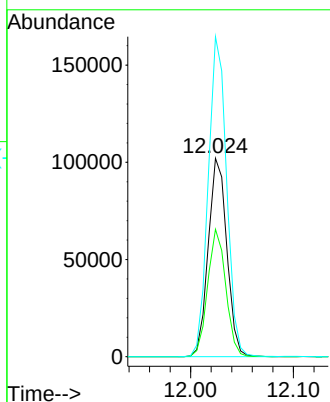
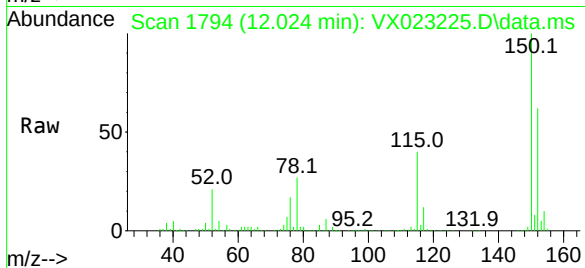




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023225.D
 Acq: 09 Jul 2021 16:49

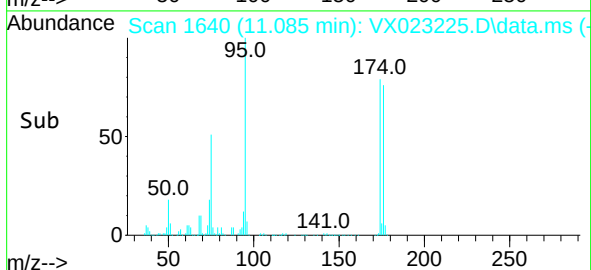
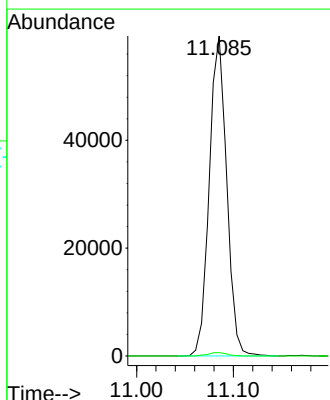
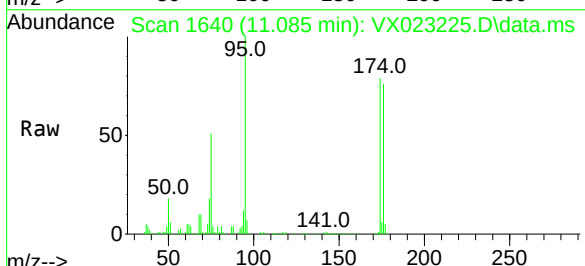
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137563ZHE#13

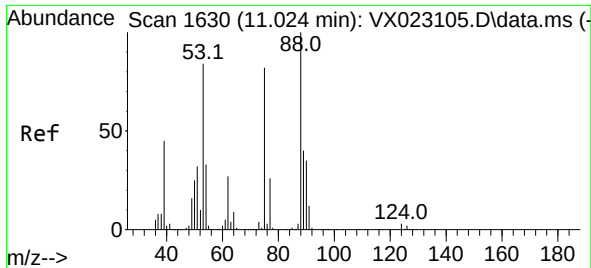
Tgt Ion:152 Resp: 128048
 Ion Ratio Lower Upper
 152 100
 115 62.7 41.1 123.3
 150 159.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.825 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023225.D
 Acq: 09 Jul 2021 16:49

Tgt Ion: 75 Resp: 74275
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

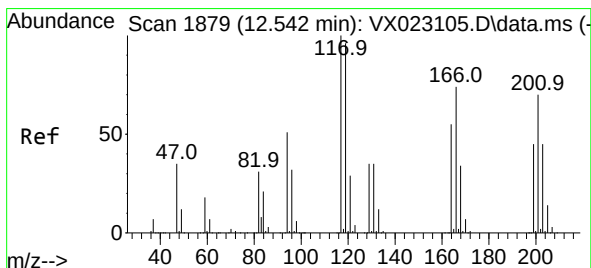
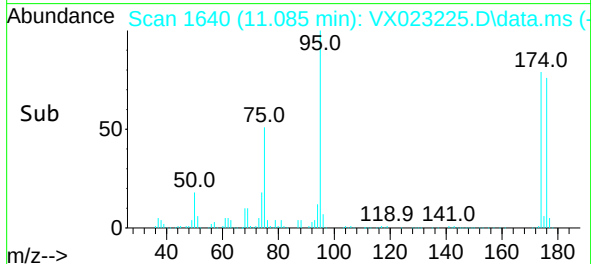
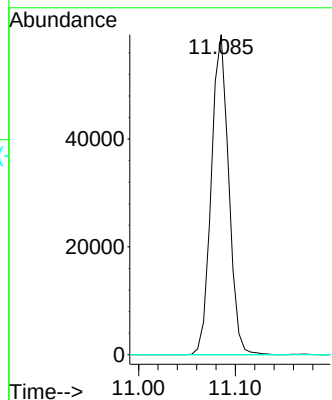
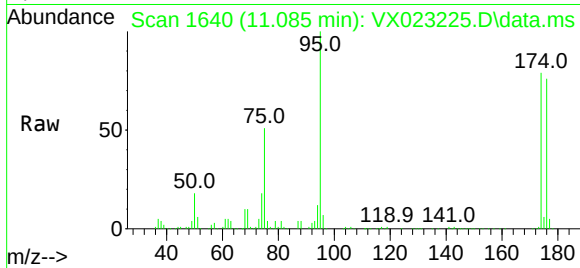




#81
trans-1,4-Dichloro-2-butene
Concen: 77.582 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

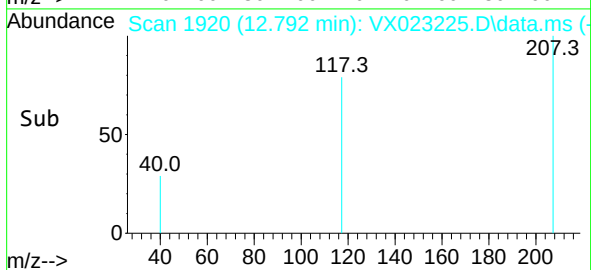
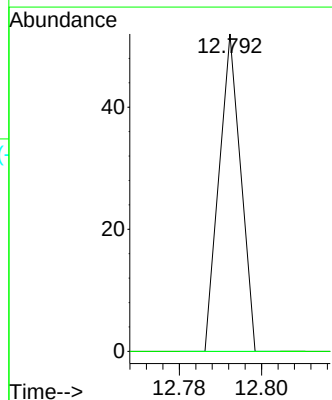
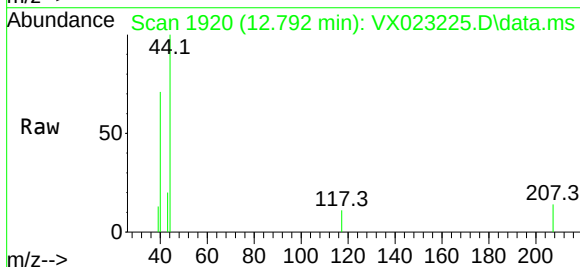
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

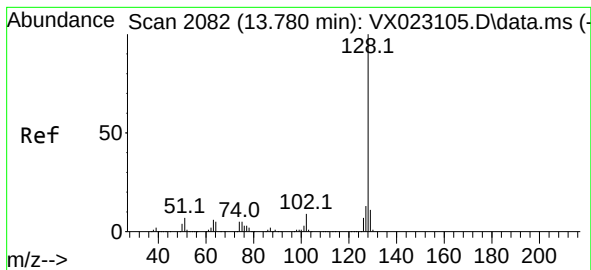
Tgt Ion: 75 Resp: 74275
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.009 ug/l
RT: 12.792 min Scan# 1920
Delta R.T. 0.250 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Tgt Ion: 117 Resp: 19
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.291 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023225.D
Acq: 09 Jul 2021 16:49

Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#13

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

