

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070921\
 Data File : VX023221.D
 Acq On : 09 Jul 2021 15:15
 Operator : JC/MD
 Sample : PB137563TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137563TB

Quant Time: Jul 10 04:20:22 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)

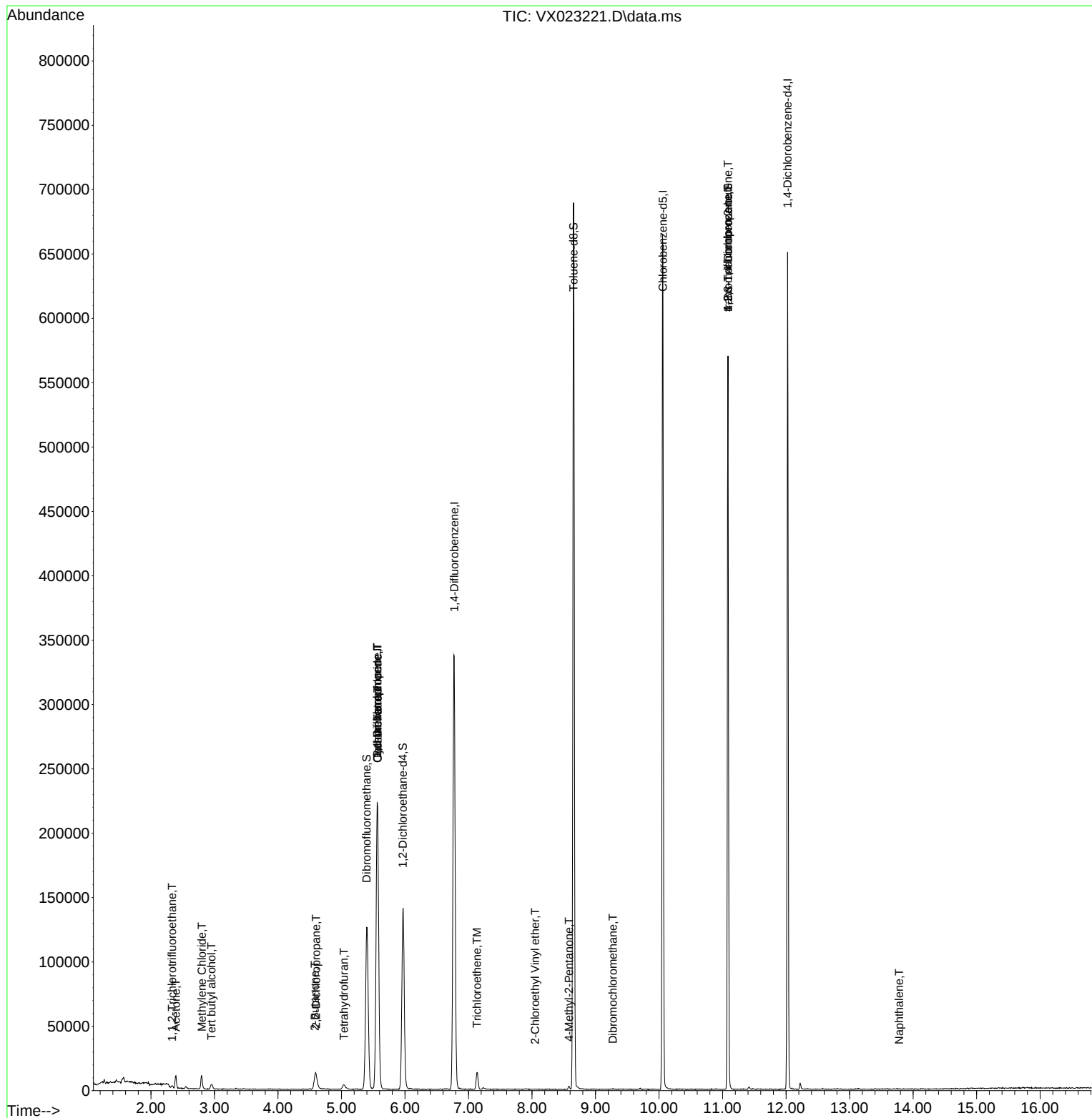
Internal Standards						
1) Pentafluorobenzene	5.562	168	208548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	343695	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	310805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141616	50.525	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.060%
35) Dibromofluoromethane	5.397	113	110765	49.907	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.820%
50) Toluene-d8	8.653	98	411671	49.725	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.440%
62) 4-Bromofluorobenzene	11.085	95	148357	46.417	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	559	Below Cal	#	51
9) 1,1,2-Trichlorotrifluo...	2.331	101	720	0.357	ug/l	90
11) Tert butyl alcohol	2.953	59	2528	4.287	ug/l #	80
16) Acetone	2.392	43	10454	9.427	ug/l #	85
20) Methylene Chloride	2.800	84	4610	1.931	ug/l	94
25) 2-Butanone	4.580	43	3066	1.834	ug/l #	81
26) 2,2-Dichloropropane	4.599	77	1174	0.363	ug/l #	52
29) Tetrahydrofuran	5.038	42	3755	3.493	ug/l	87
31) Cyclohexane	5.568	56	4590	1.368	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	16365	5.341	ug/l #	50
38) Carbon Tetrachloride	5.568	117	21761	6.804	ug/l #	18
44) Trichloroethene	7.135	130	5490	2.176	ug/l	94
51) 4-Methyl-2-Pentanone	8.580	43	1901	0.552	ug/l #	79
58) 2-Chloroethyl Vinyl ether	8.049	63	24	4.701	ug/l #	45
60) Dibromochloromethane	9.275	129	28	3.122	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	76578	29.405	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	76578	79.047	ug/l #	12
95) Naphthalene	13.780	128	322	1.308	ug/l #	69

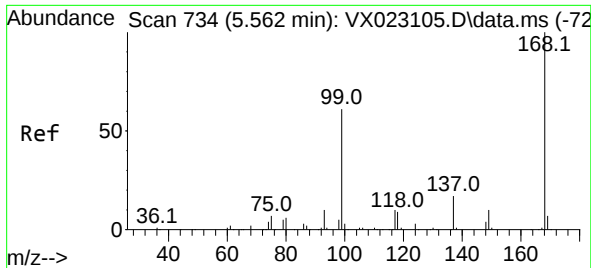
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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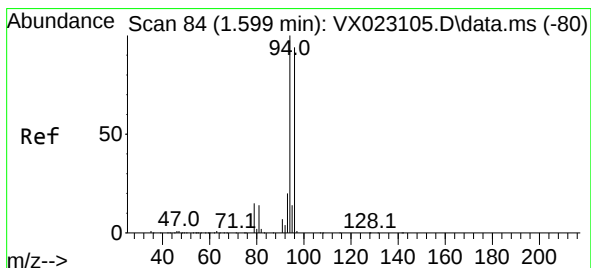
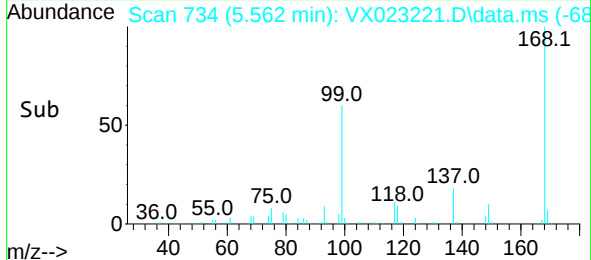
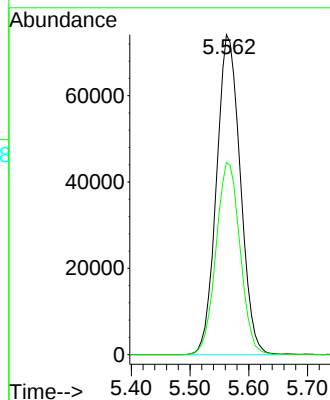
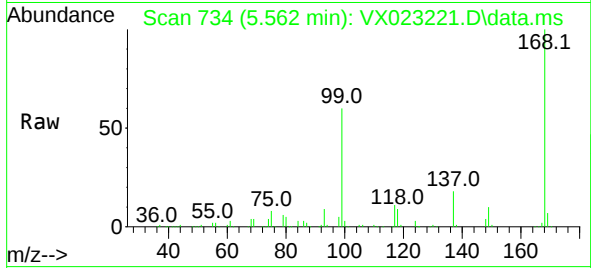




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

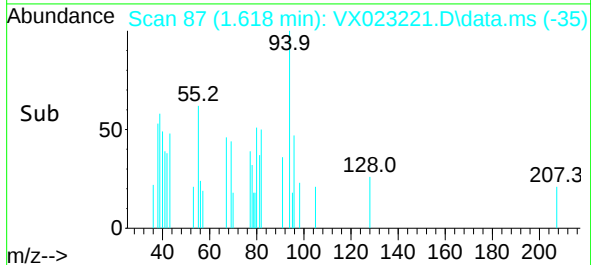
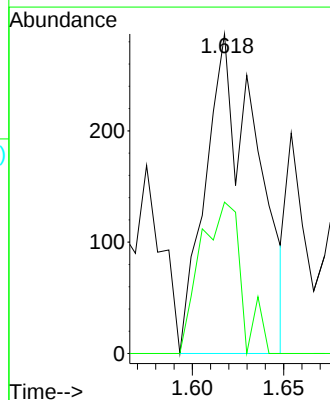
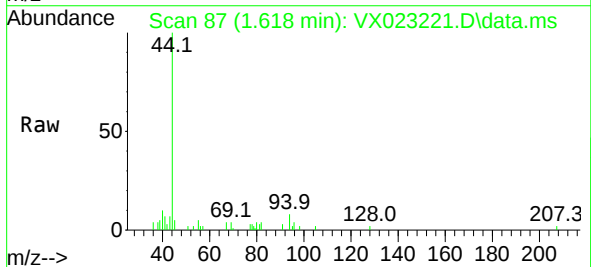
Instrument :
MSVOA_X
ClientSampleId :
PB137563TB

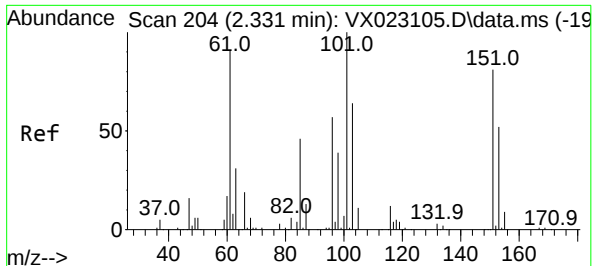
Tgt Ion:168 Resp: 208548
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 47.4 76.4 114.6#

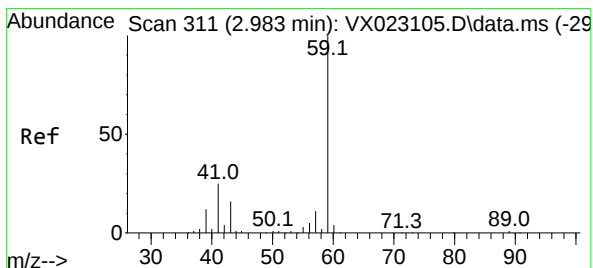
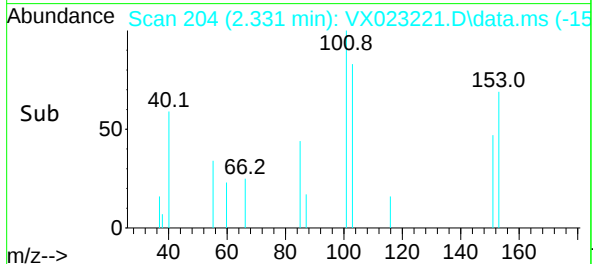
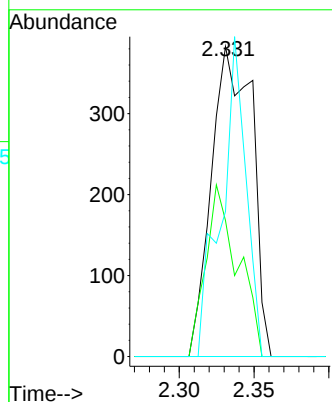
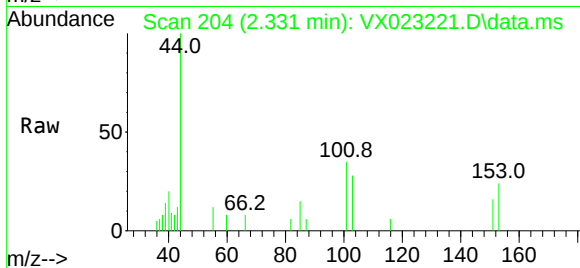




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.357 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

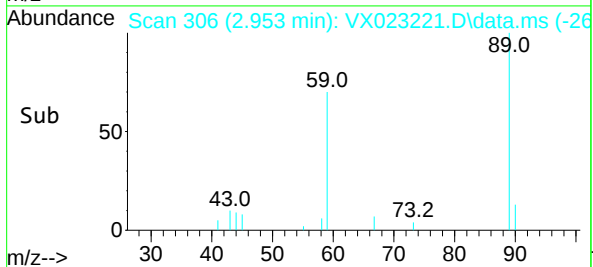
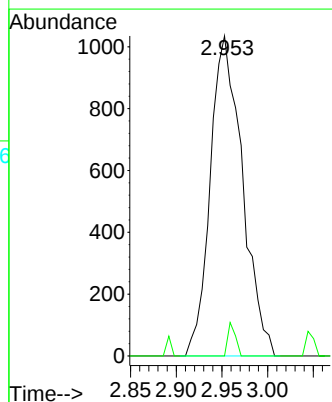
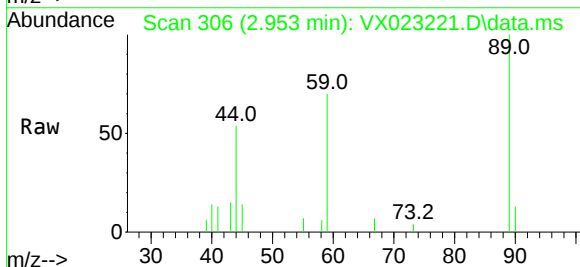
Instrument :
MSVOA_X
ClientSampleId :
PB137563TB

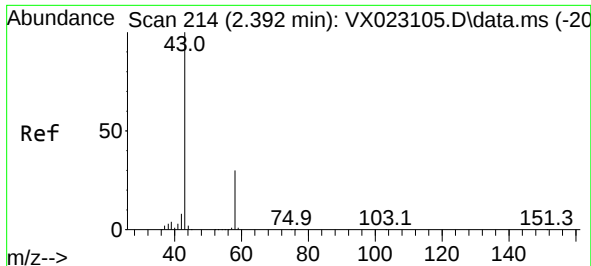
Tgt Ion:101 Resp: 720
Ion Ratio Lower Upper
101 100
85 43.9 34.9 52.3
151 63.1 61.4 92.2



#11
Tert butyl alcohol
Concen: 4.287 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion: 59 Resp: 2528
Ion Ratio Lower Upper
59 100
57 2.5 7.8 11.8#

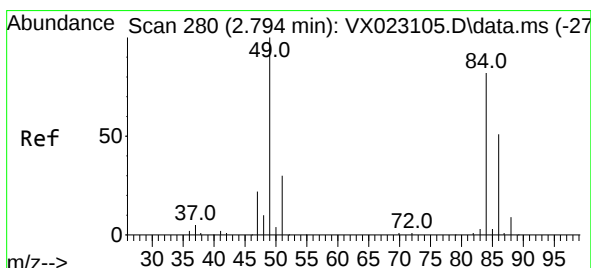
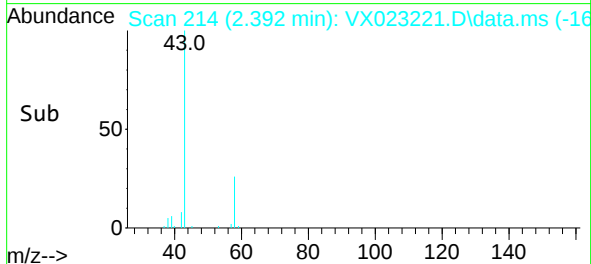
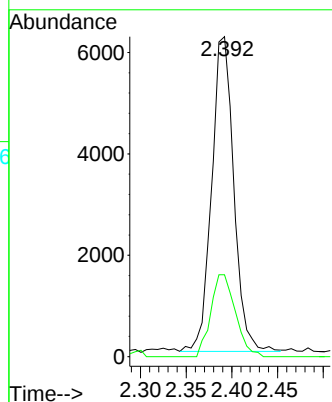
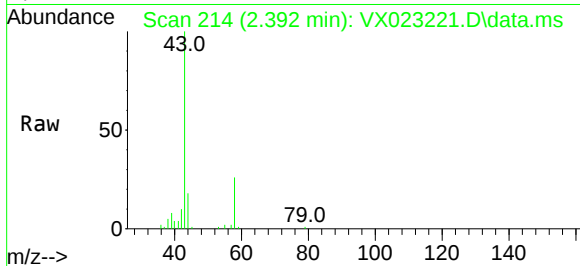




#16
Acetone
Concen: 9.427 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

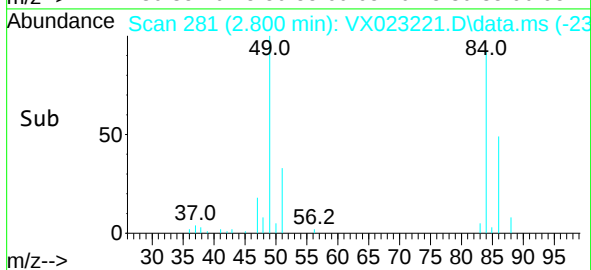
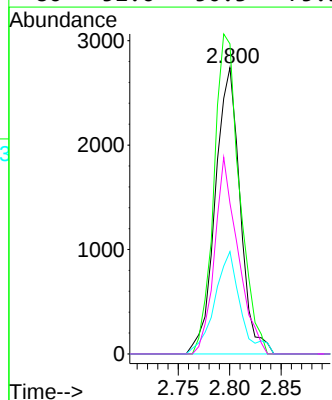
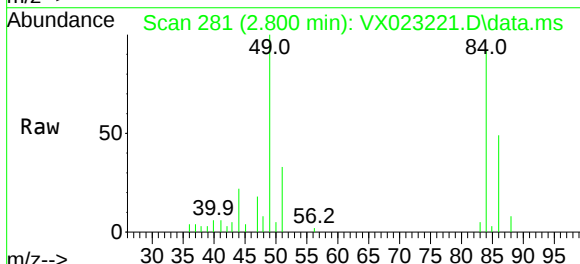
Instrument :
MSVOA_X
ClientSampleId :
PB137563TB

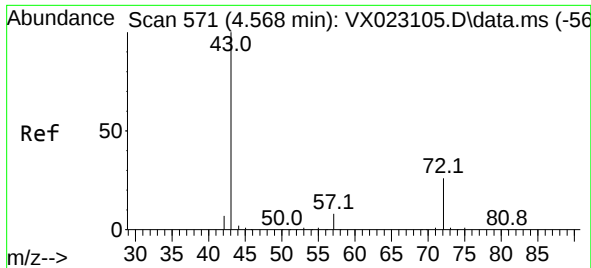
Tgt Ion: 43 Resp: 10454
Ion Ratio Lower Upper
43 100
58 26.0 27.8 41.8#



#20
Methylene Chloride
Concen: 1.931 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion: 84 Resp: 4610
Ion Ratio Lower Upper
84 100
49 108.3 88.6 132.8
51 35.7 27.0 40.6
86 52.6 50.3 75.5

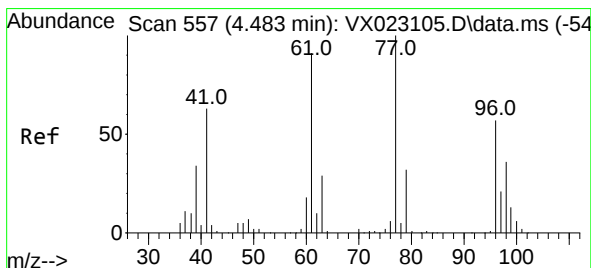
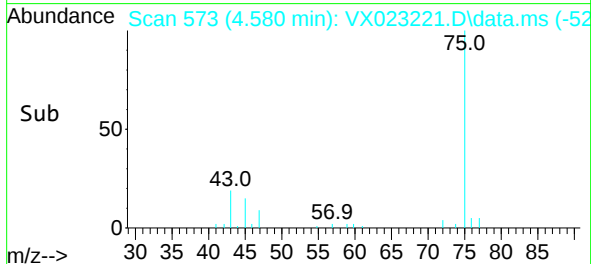
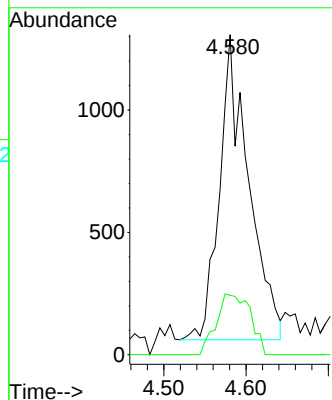
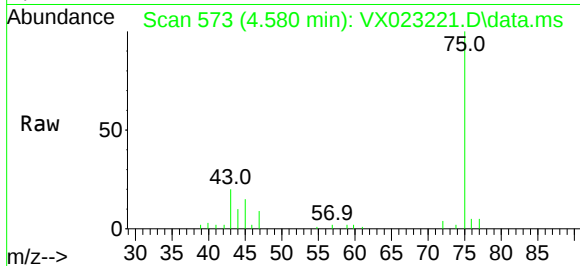




#25
2-Butanone
Concen: 1.834 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

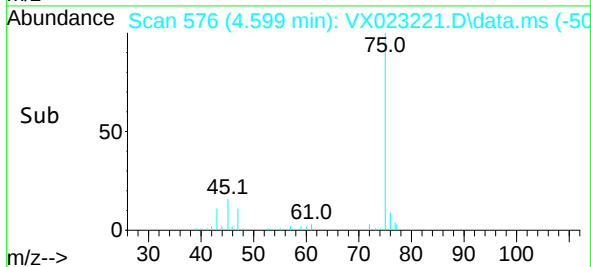
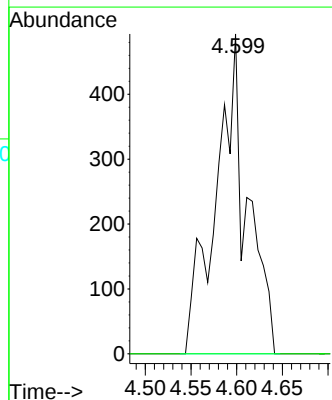
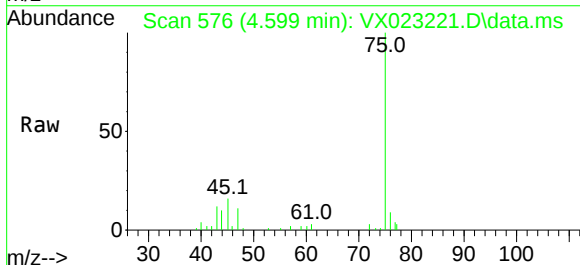
Instrument :
MSVOA_X
ClientSampleId :
PB137563TB

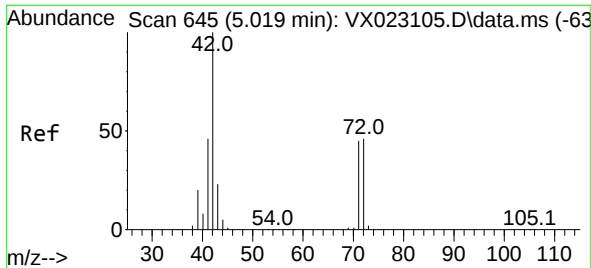
Tgt Ion: 43 Resp: 3066
Ion Ratio Lower Upper
43 100
72 19.5 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.363 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.116 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion: 77 Resp: 1174
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 3.493 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023221.D

Acq: 09 Jul 2021 15:15

Instrument :

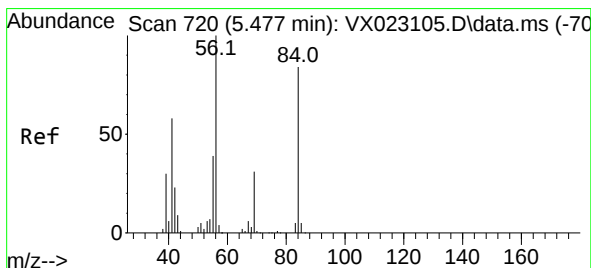
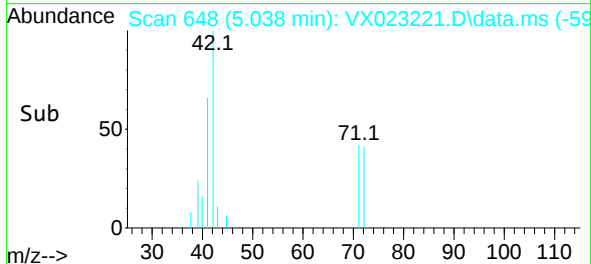
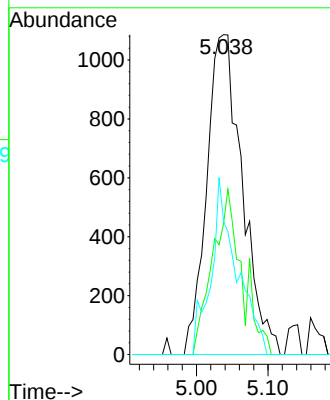
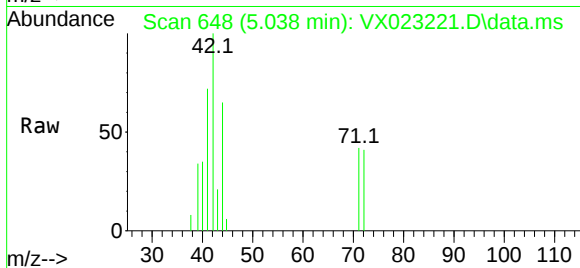
MSVOA_X

ClientSampleId :

PB137563TB

Tgt Ion: 42 Resp: 3755

Ion	Ratio	Lower	Upper
42	100		
72	42.5	41.7	62.5
71	39.9	38.4	57.6



#31

Cyclohexane

Concen: 1.368 ug/l

RT: 5.568 min Scan# 735

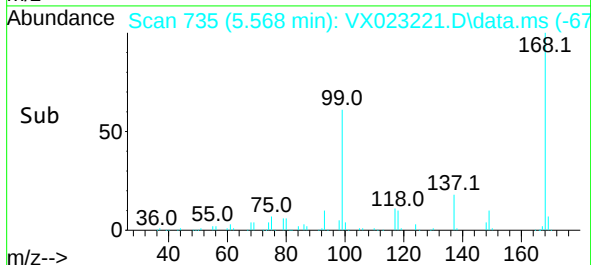
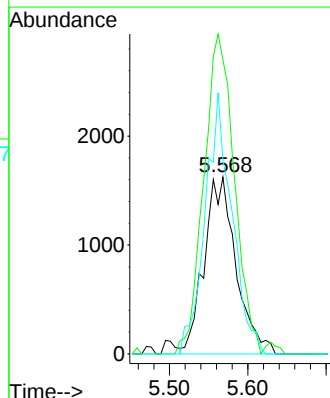
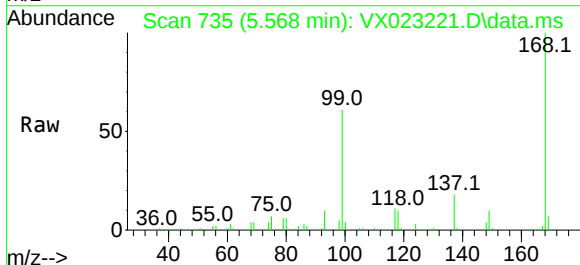
Delta R.T. 0.091 min

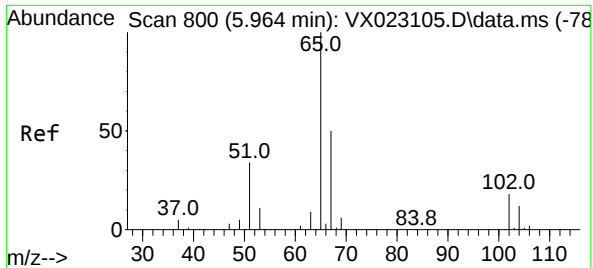
Lab File: VX023221.D

Acq: 09 Jul 2021 15:15

Tgt Ion: 56 Resp: 4590

Ion	Ratio	Lower	Upper
56	100		
69	163.0	25.3	37.9#
84	109.7	71.4	107.0#

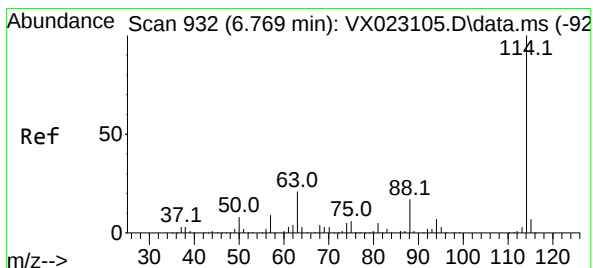
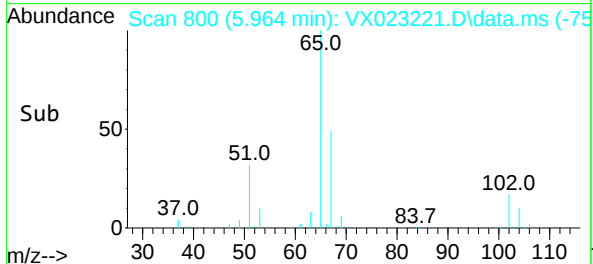
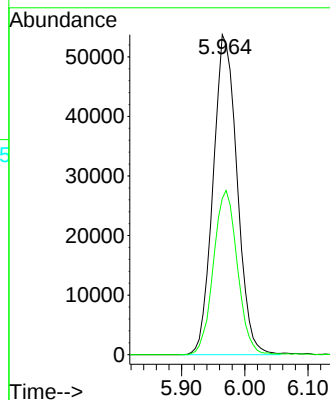
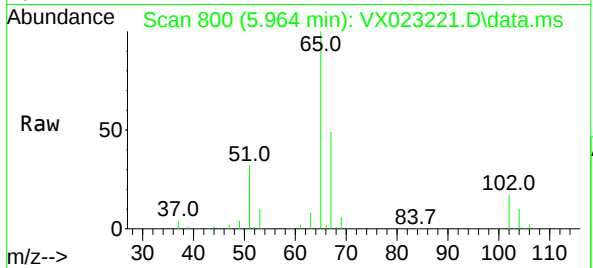




#33
1,2-Dichloroethane-d4
Concen: 50.525 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

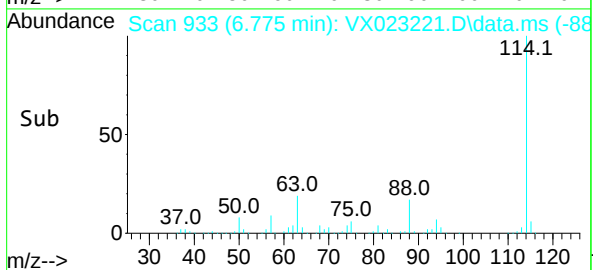
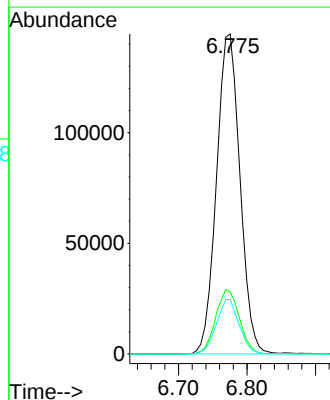
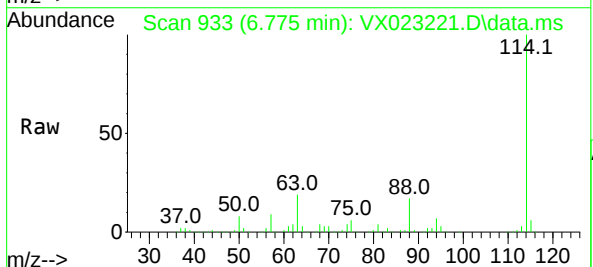
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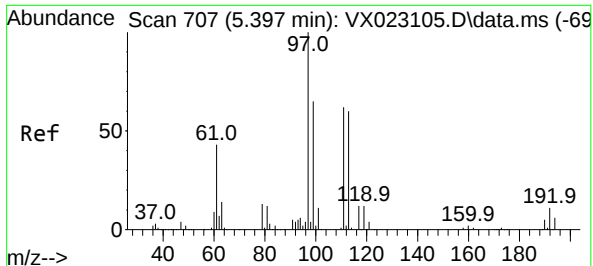
Tgt Ion: 65 Resp: 141616
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion: 114 Resp: 343695
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 17.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.907 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023221.D

Acq: 09 Jul 2021 15:15

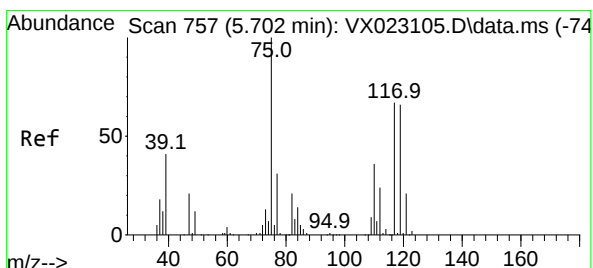
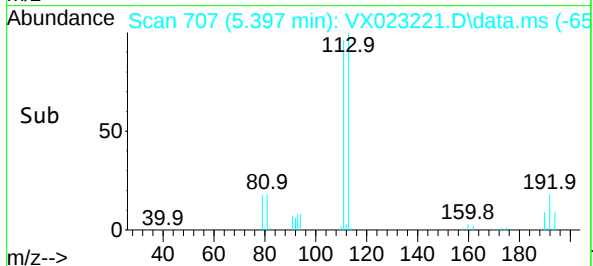
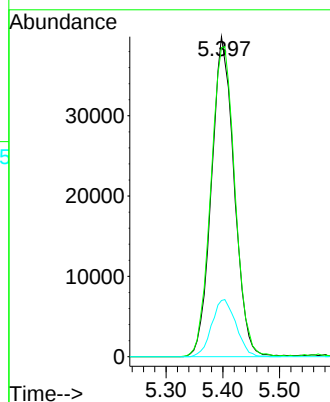
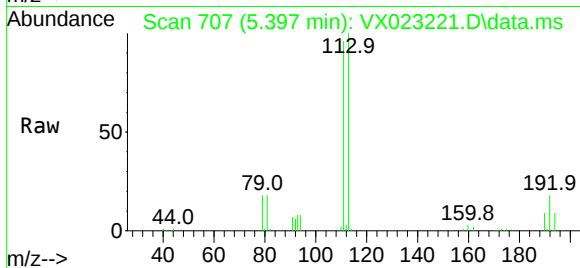
Tgt Ion:113 Resp: 110765

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 19.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.341 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023221.D

Acq: 09 Jul 2021 15:15

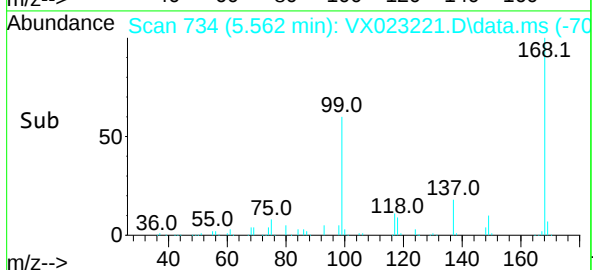
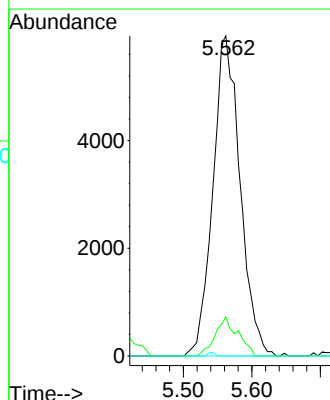
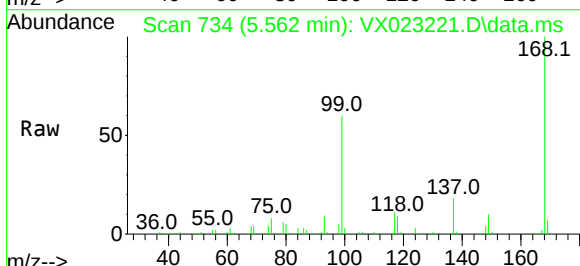
Tgt Ion: 75 Resp: 16365

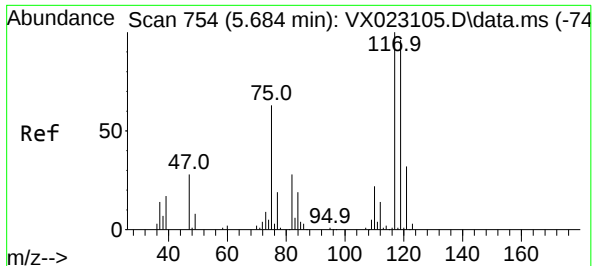
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

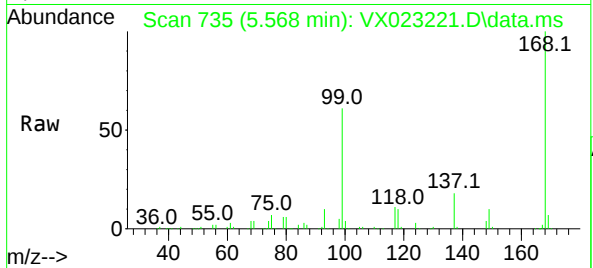
77 0.3 25.3 37.9#



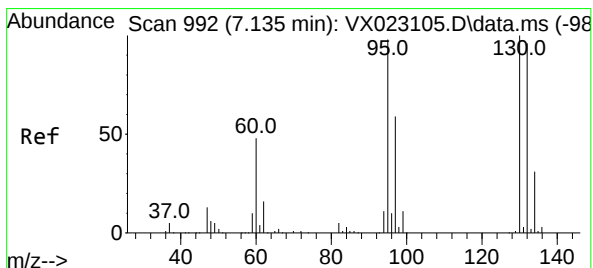
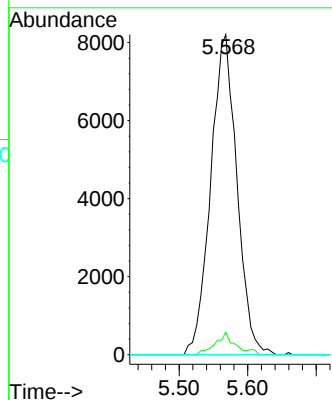
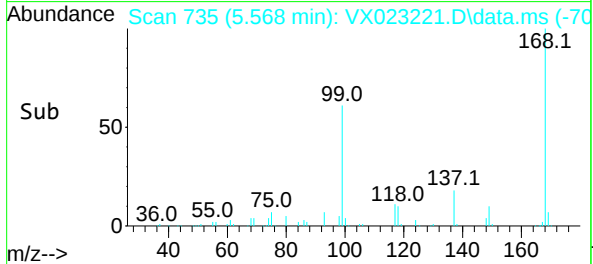


#38
Carbon Tetrachloride
Concen: 6.804 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

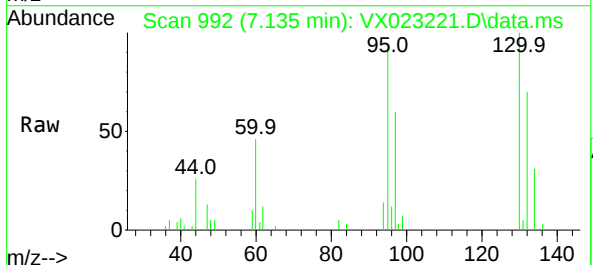
Instrument :
MSVOA_X
ClientSampleId :
PB137563TB



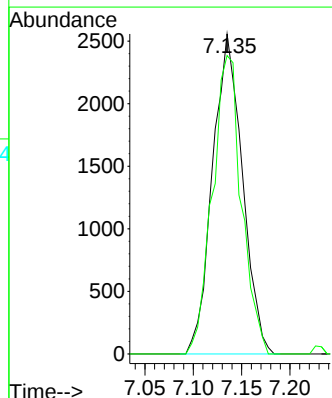
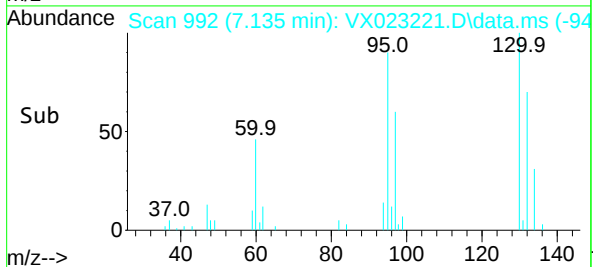
Tgt Ion:117 Resp: 21761
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#

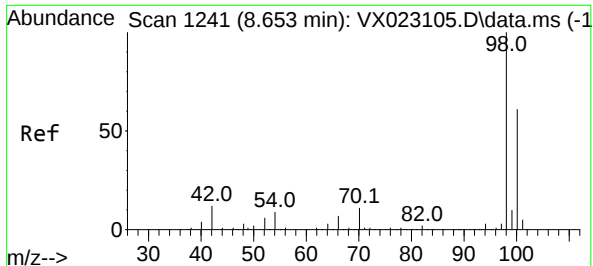


#44
Trichloroethene
Concen: 2.176 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15



Tgt Ion:130 Resp: 5490
Ion Ratio Lower Upper
130 100
95 93.2 0.0 198.0





#50

Toluene-d8

Concen: 49.725 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023221.D

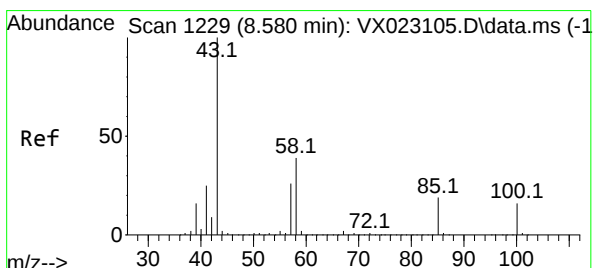
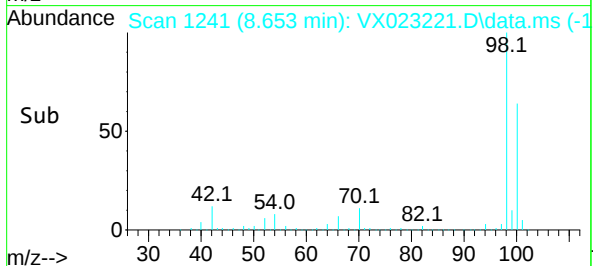
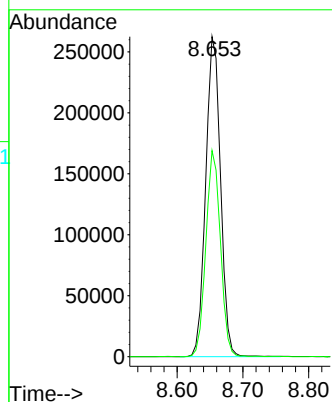
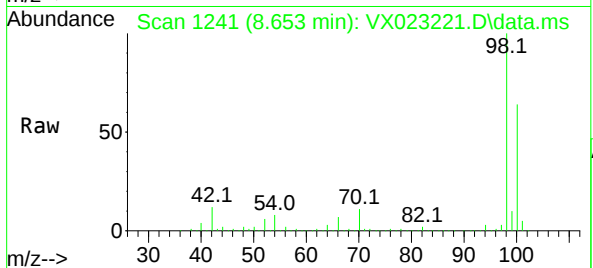
Acq: 09 Jul 2021 15:15

Tgt Ion: 98 Resp: 411671

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.552 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX023221.D

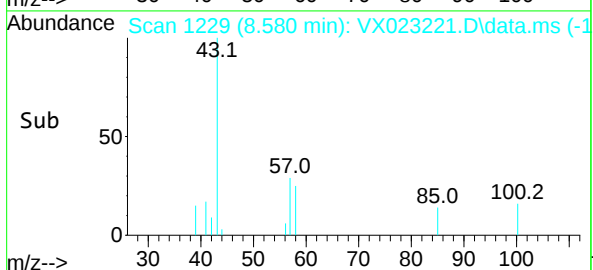
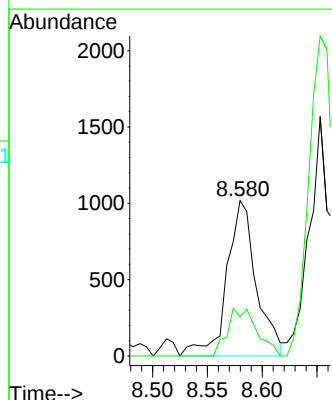
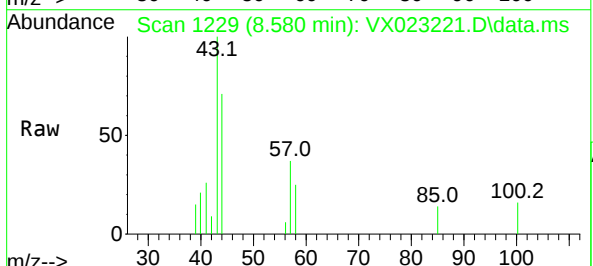
Acq: 09 Jul 2021 15:15

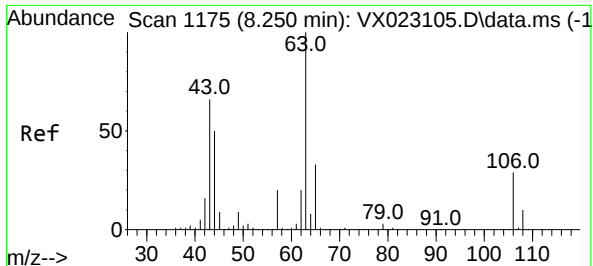
Tgt Ion: 43 Resp: 1901

Ion Ratio Lower Upper

43 100

58 30.6 35.4 53.0#

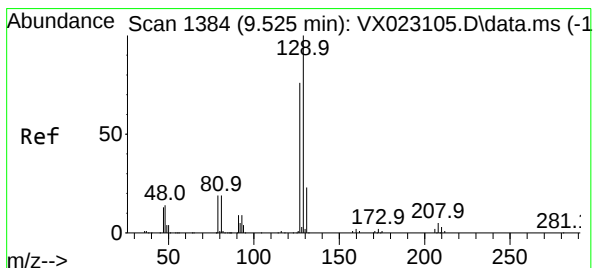
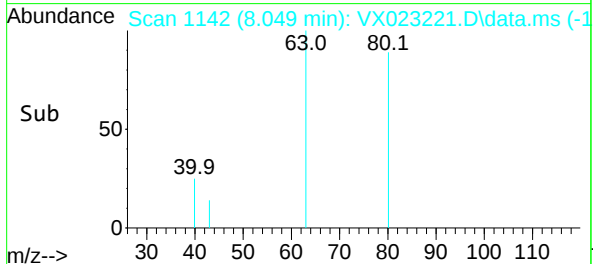
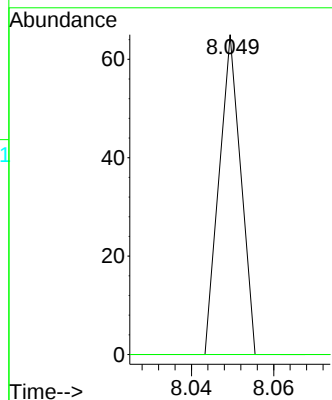
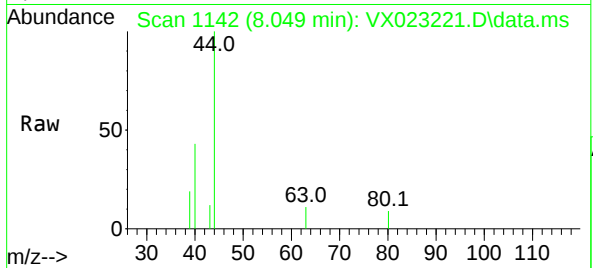




#58
2-Chloroethyl Vinyl ether
Concen: 4.701 ug/l
RT: 8.049 min Scan# 1142
Delta R.T. -0.201 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

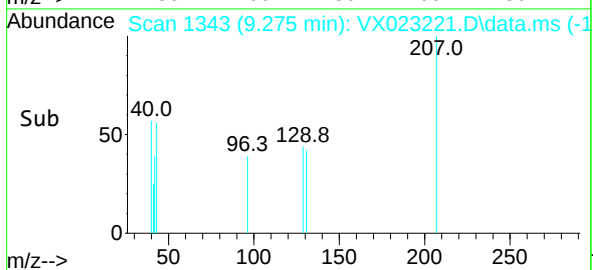
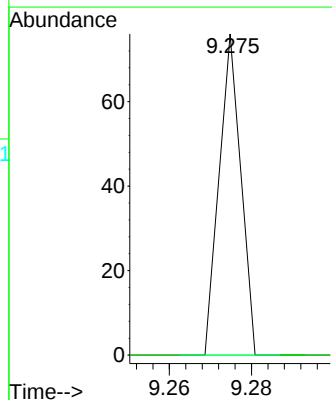
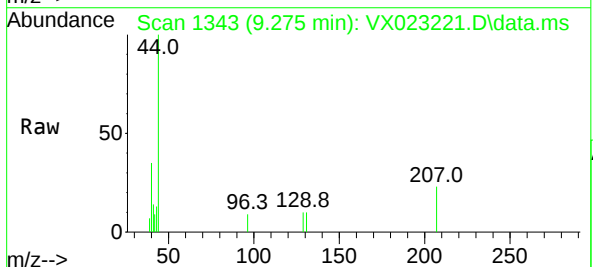
Instrument :
MSVOA_X
ClientSampleId :
PB137563TB

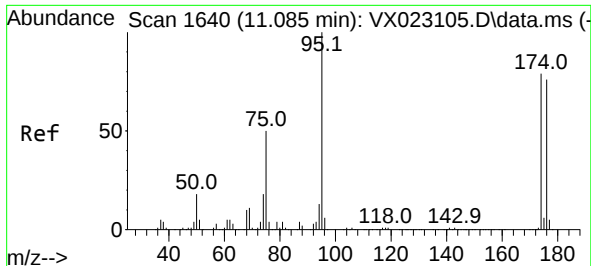
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 3.122 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion: 129 Resp: 28
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

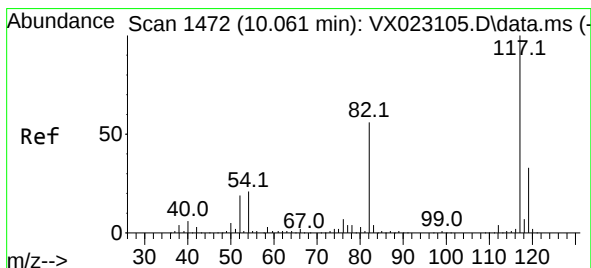
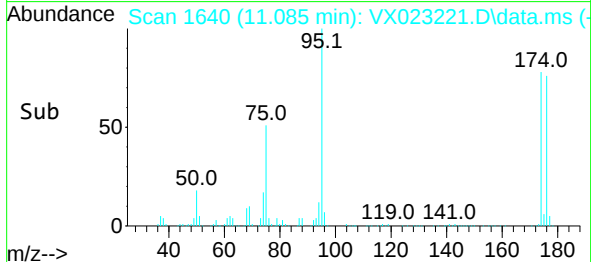
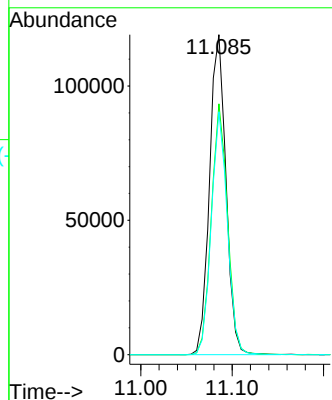
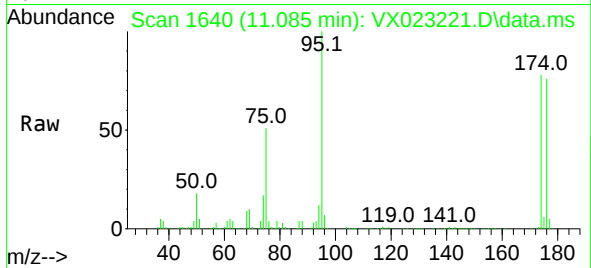




#62
4-Bromofluorobenzene
Concen: 46.417 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

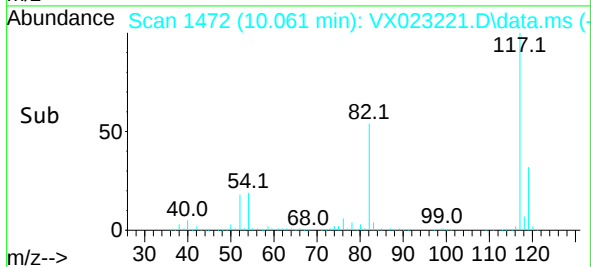
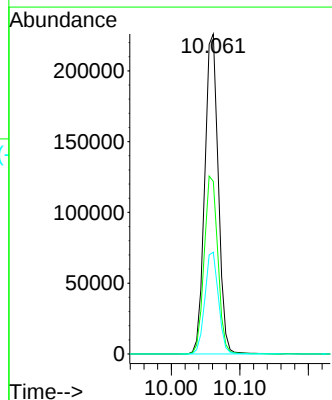
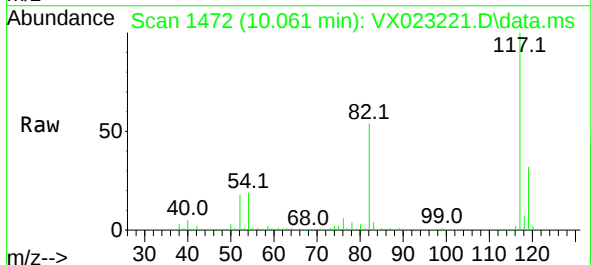
Instrument :
MSVOA_X
ClientSampleId :
PB137563TB

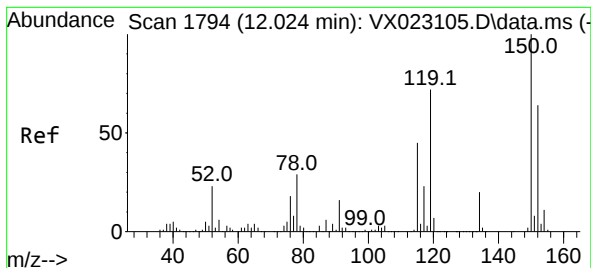
Tgt Ion: 95 Resp: 148357
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 74.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion: 117 Resp: 310805
Ion Ratio Lower Upper
117 100
82 53.9 47.4 71.2
119 31.8 26.6 39.8

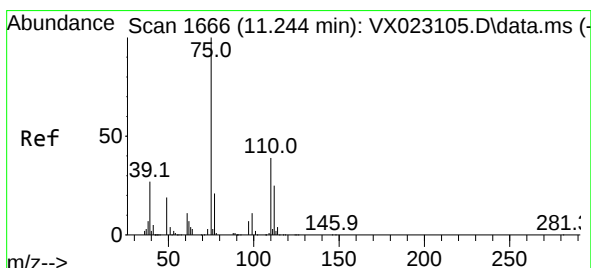
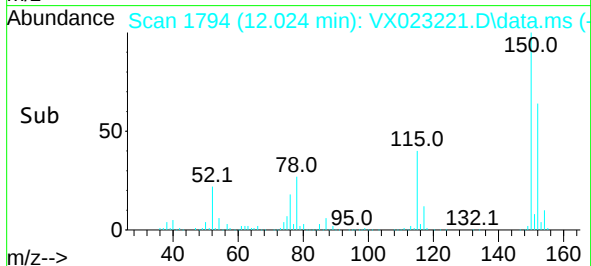
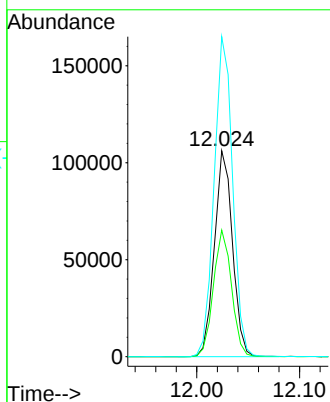
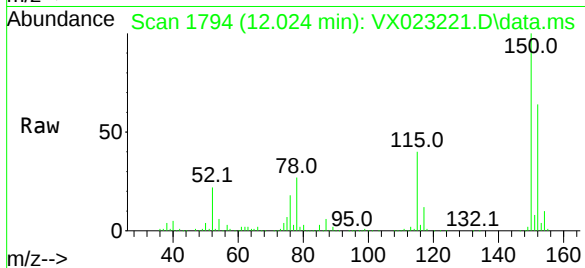




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023221.D
 Acq: 09 Jul 2021 15:15

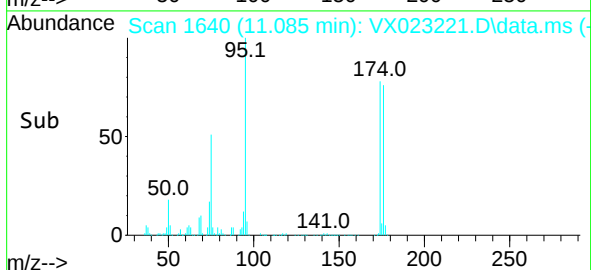
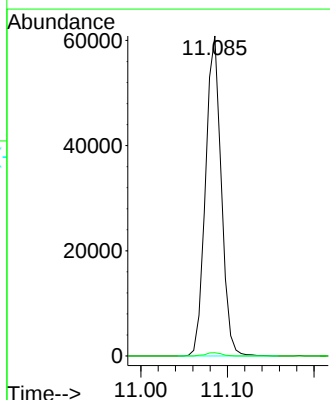
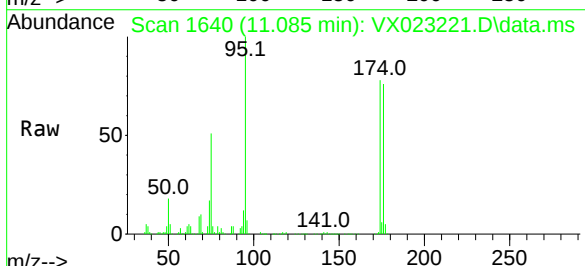
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137563TB

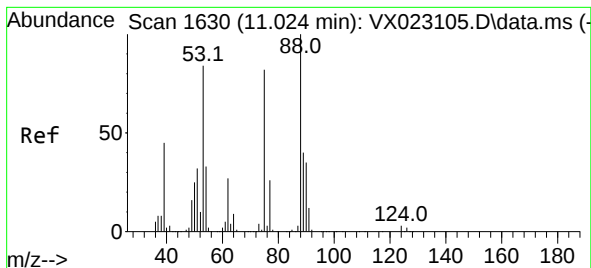
Tgt Ion:152 Resp: 129415
 Ion Ratio Lower Upper
 152 100
 115 61.7 41.1 123.3
 150 159.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.405 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023221.D
 Acq: 09 Jul 2021 15:15

Tgt Ion: 75 Resp: 76578
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

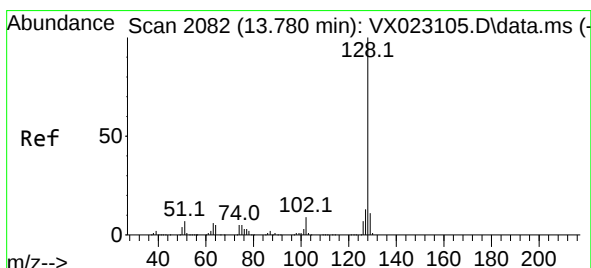
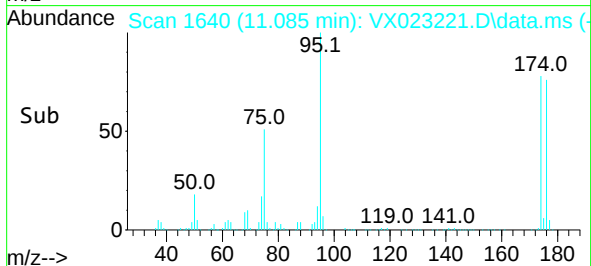
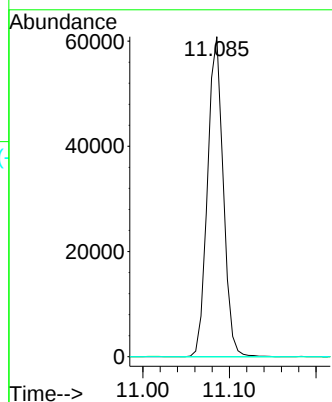
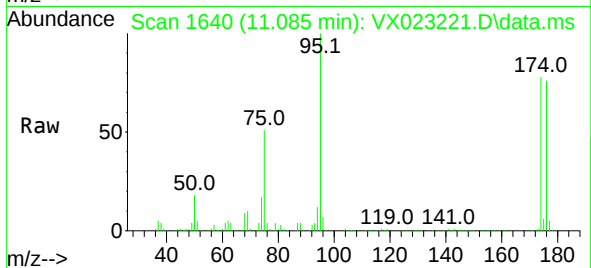




#81
trans-1,4-Dichloro-2-butene
Concen: 79.047 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Instrument :
MSVOA_X
ClientSampleId :
PB137563TB

Tgt Ion: 75 Resp: 76578
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.308 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023221.D
Acq: 09 Jul 2021 15:15

Tgt Ion:128 Resp: 322
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

