

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070921\
 Data File : VX023226.D
 Acq On : 09 Jul 2021 17:12
 Operator : JC/MD
 Sample : PB137563ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137563ZHE#14

Quant Time: Jul 10 04:21:45 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	208180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	342337	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	301296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126427	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143443	51.267	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.540%	
35) Dibromofluoromethane	5.397	113	110941	50.184	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.360%	
50) Toluene-d8	8.653	98	404500	49.052	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.100%	
62) 4-Bromofluorobenzene	11.085	95	142656	44.811	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.620%	

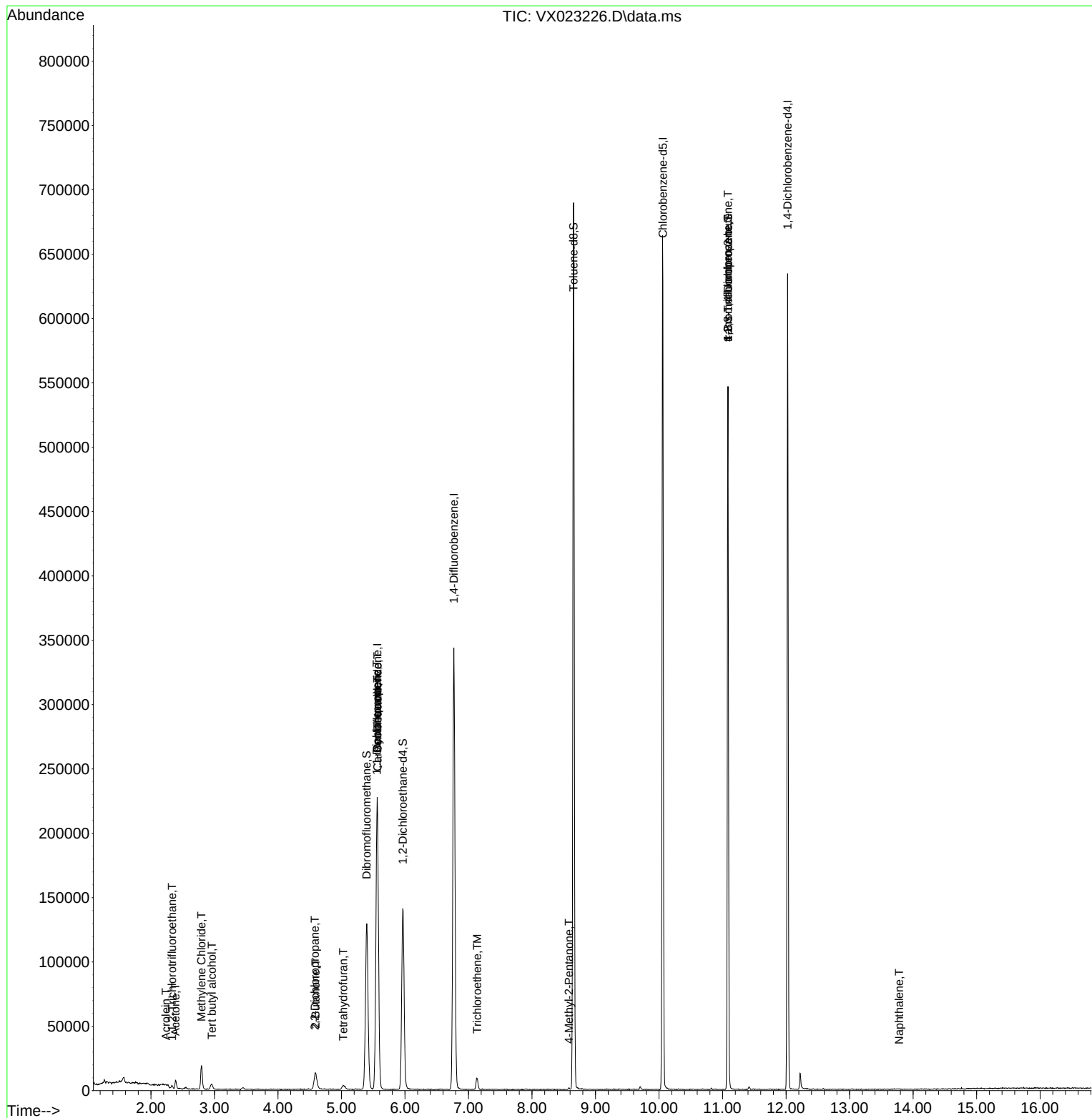
Target Compounds			Qvalue			
5) Bromomethane	1.624	94	414	Below Cal	#	52
9) 1,1,2-Trichlorotrifluo...	2.331	101	724	0.360	ug/l	89
11) Tert butyl alcohol	2.959	59	2782	4.726	ug/l #	76
13) Acrolein	2.233	56	261	0.666	ug/l #	23
16) Acetone	2.386	43	7133	6.444	ug/l #	83
20) Methylene Chloride	2.794	84	8386	3.519	ug/l	98
25) 2-Butanone	4.593	43	1144	0.685	ug/l	97
26) 2,2-Dichloropropane	4.580	77	1265	0.392	ug/l #	52
29) Tetrahydrofuran	5.025	42	1735	1.617	ug/l #	64
31) Cyclohexane	5.562	56	4534	1.353	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	16462	5.394	ug/l #	50
38) Carbon Tetrachloride	5.568	117	21707	6.814	ug/l #	17
44) Trichloroethene	7.135	130	3440	1.369	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	900	0.262	ug/l #	72
76) 1,2,3-Trichloropropane	11.085	75	73915	29.053	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	73915	78.158	ug/l #	12
95) Naphthalene	13.780	128	223	1.299	ug/l #	69

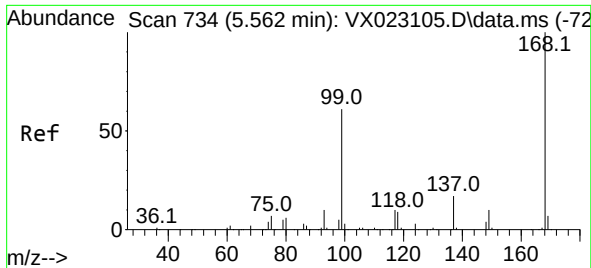
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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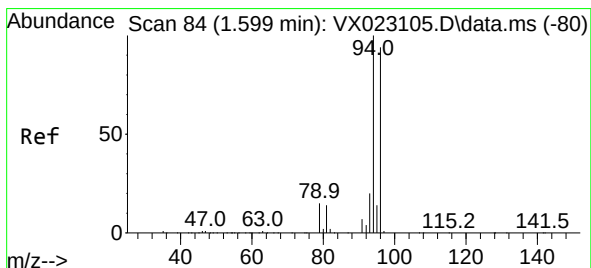
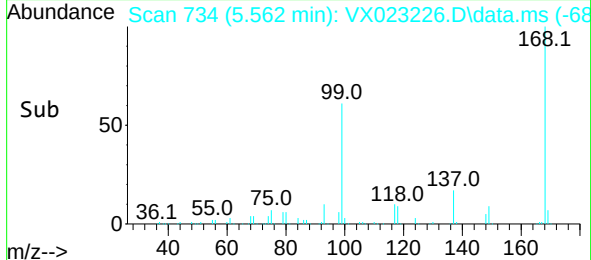
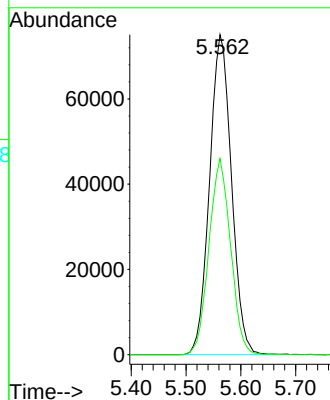
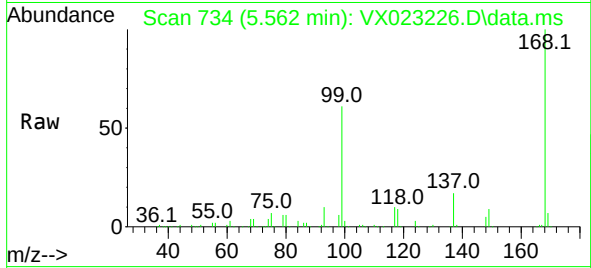




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

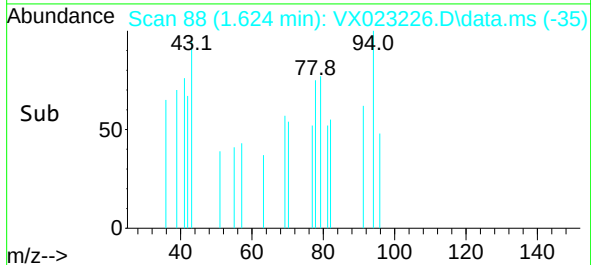
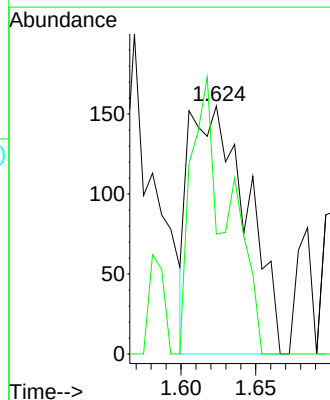
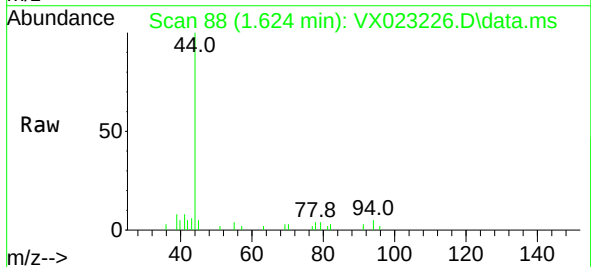
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

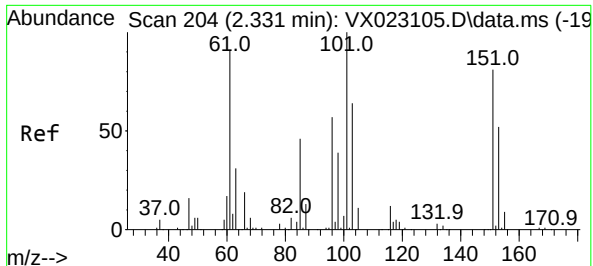
Tgt Ion:168 Resp: 208180
Ion Ratio Lower Upper
168 100
99 61.3 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion: 94 Resp: 414
Ion Ratio Lower Upper
94 100
96 48.4 76.4 114.6#

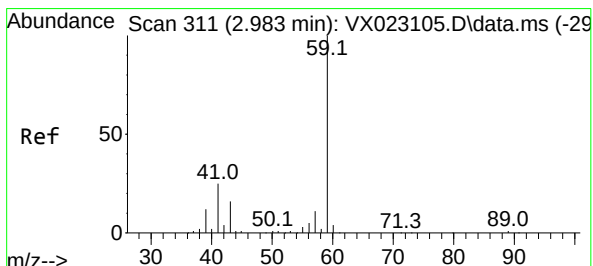
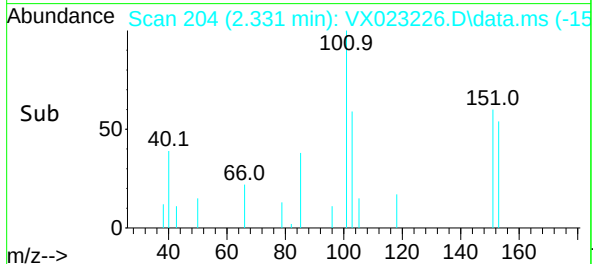
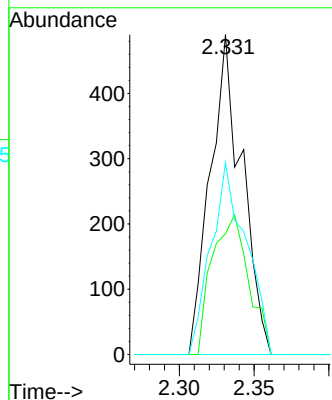
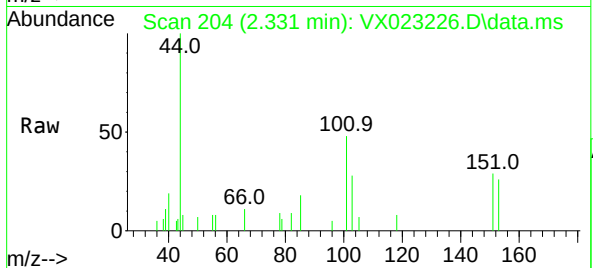




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.360 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

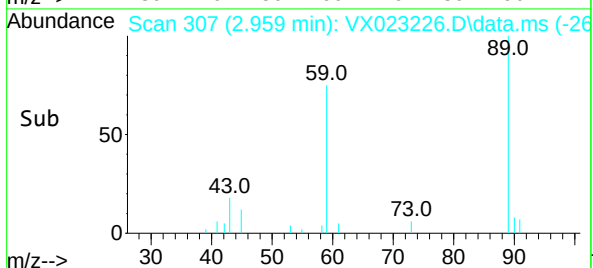
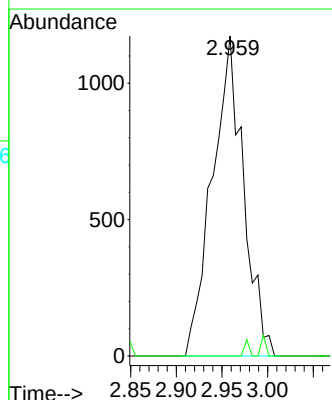
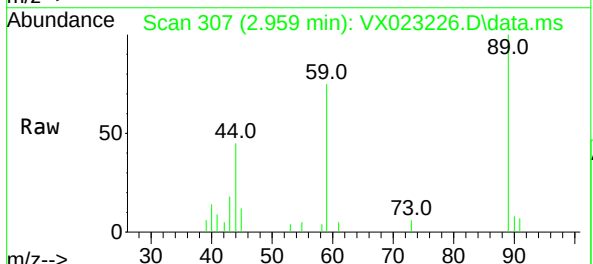
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

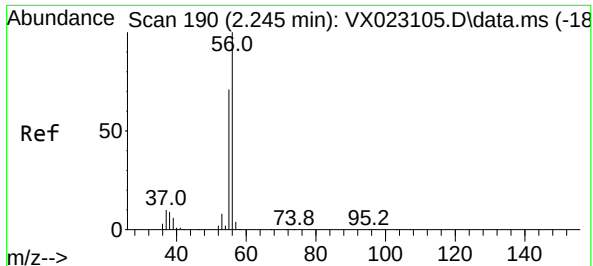
Tgt Ion:101 Resp: 724
Ion Ratio Lower Upper
101 100
85 50.1 34.9 52.3
151 66.4 61.4 92.2



#11
Tert butyl alcohol
Concen: 4.726 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion: 59 Resp: 2782
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.8#

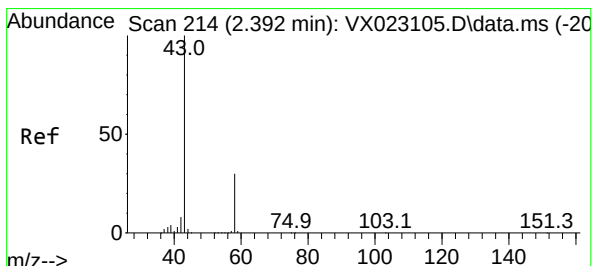
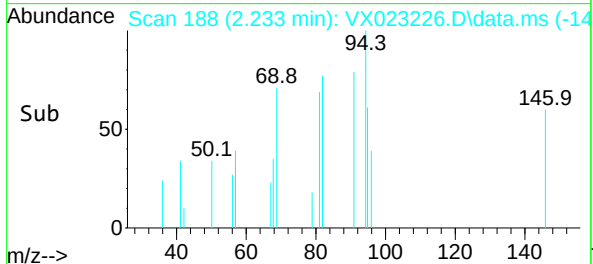
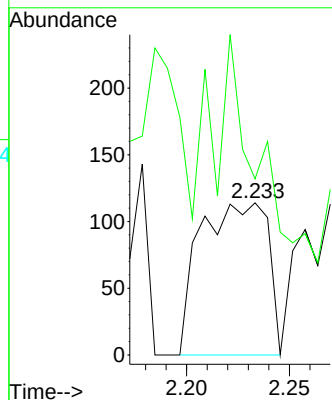
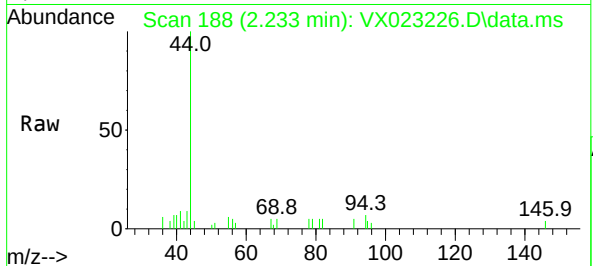




#13
Acrolein
Concen: 0.666 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

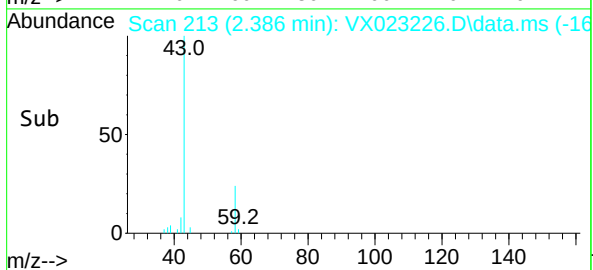
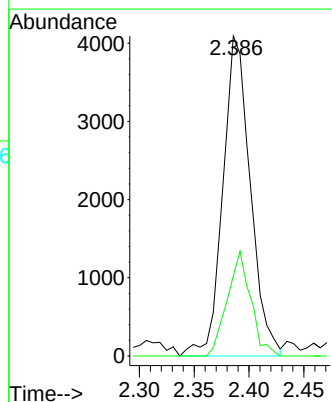
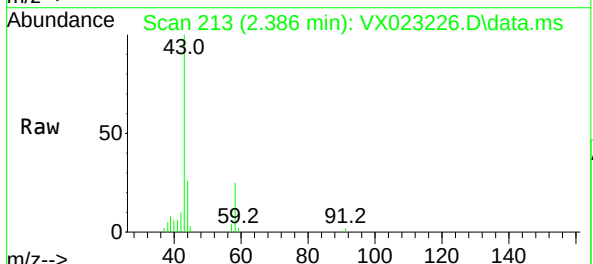
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

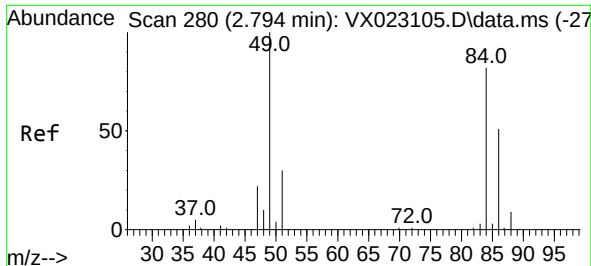
Tgt Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 133.7 56.4 84.6#



#16
Acetone
Concen: 6.444 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

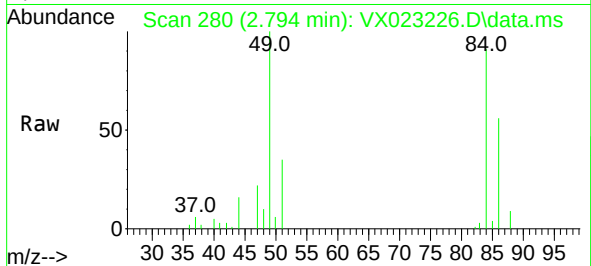
Tgt Ion: 43 Resp: 7133
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#



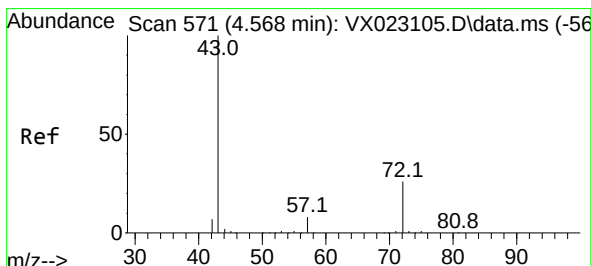
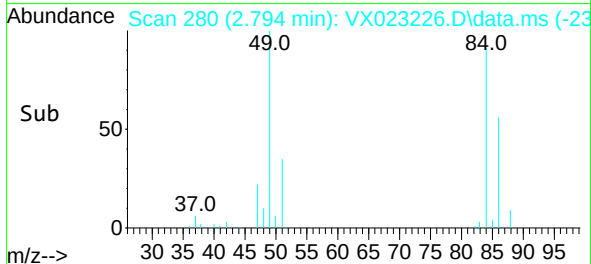
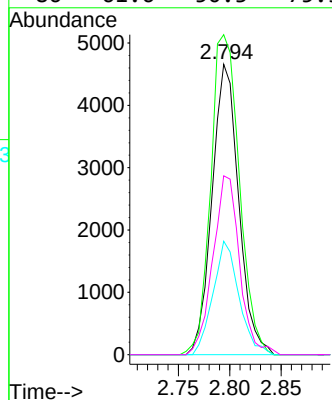


#20
Methylene Chloride
Concen: 3.519 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

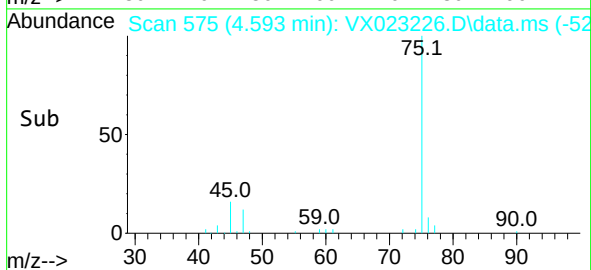
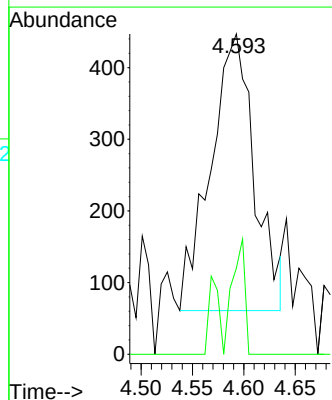
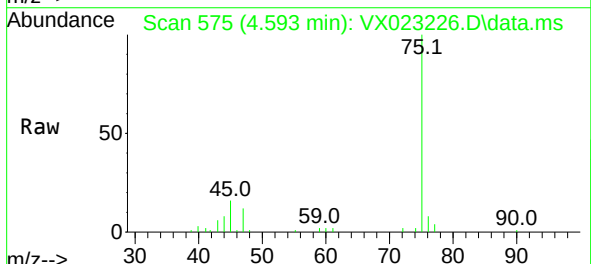


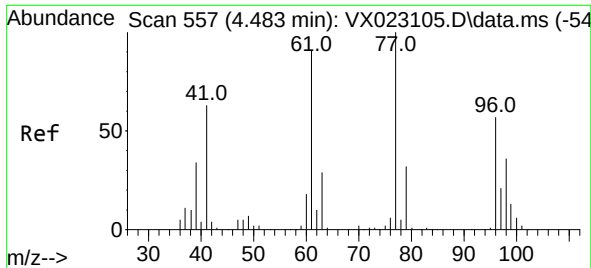
Tgt Ion:	84	Resp:	8386
Ion	Ratio	Lower	Upper
84	100		
49	110.2	88.6	132.8
51	39.1	27.0	40.6
86	61.6	50.3	75.5



#25
2-Butanone
Concen: 0.685 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion:	43	Resp:	1144
Ion	Ratio	Lower	Upper
43	100		
72	31.1	23.7	35.5

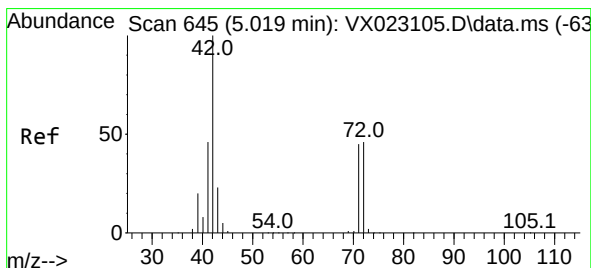
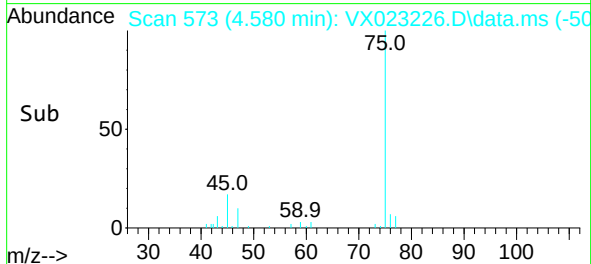
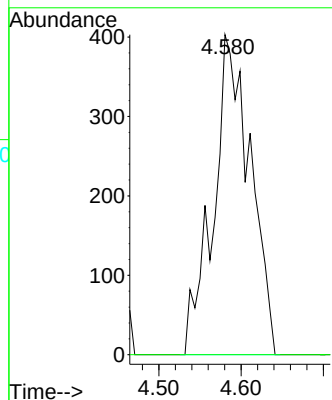
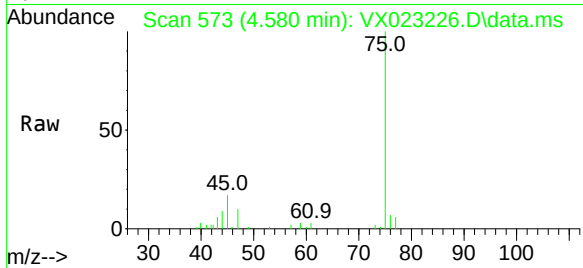




#26
2,2-Dichloropropane
Concen: 0.392 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.097 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

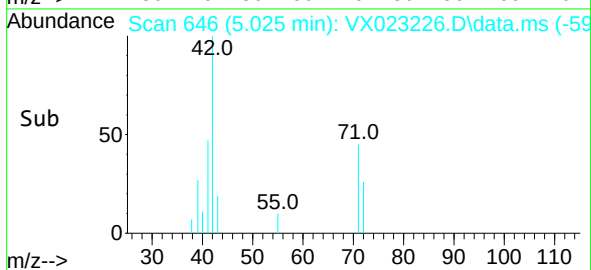
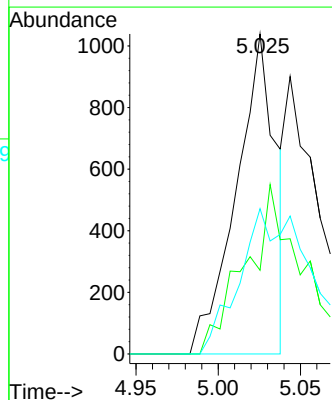
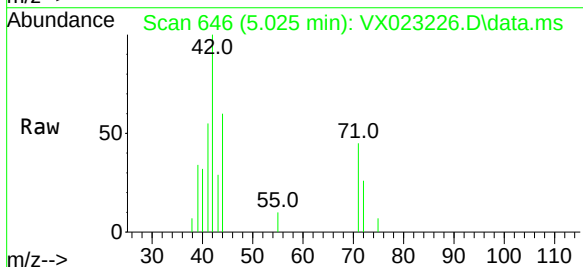
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ClientSampleId :
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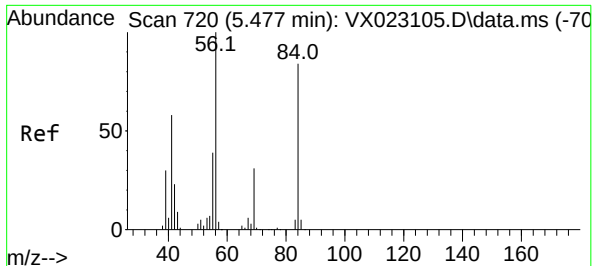
Tgt Ion: 77 Resp: 1265
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#29
Tetrahydrofuran
Concen: 1.617 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

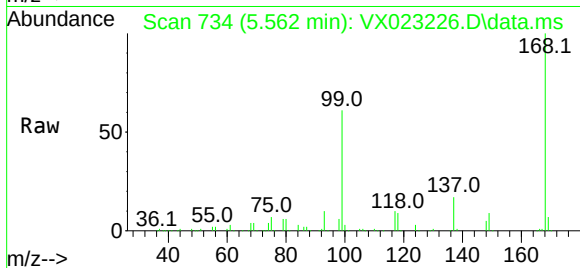
Tgt Ion: 42 Resp: 1735
Ion Ratio Lower Upper
42 100
72 74.4 41.7 62.5#
71 76.1 38.4 57.6#



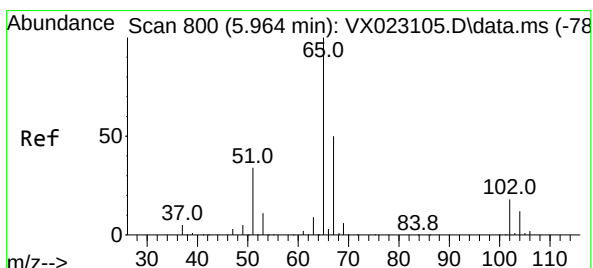
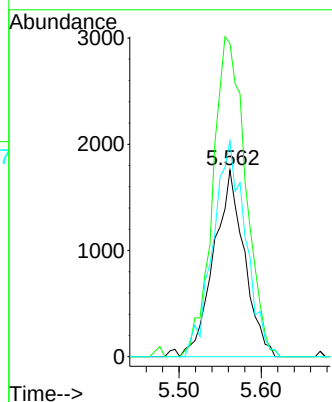
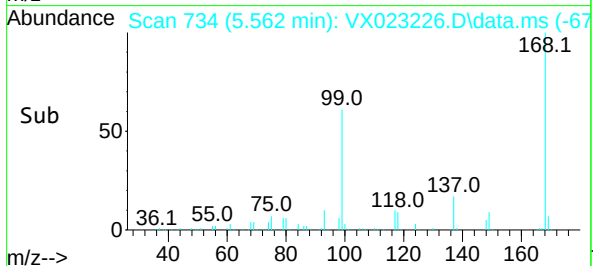


#31
Cyclohexane
Concen: 1.353 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

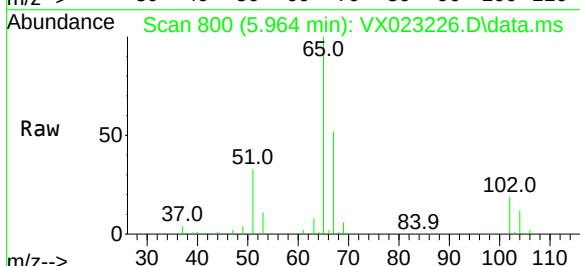
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MSVOA_X
ClientSampleId :
PB137563ZHE#14



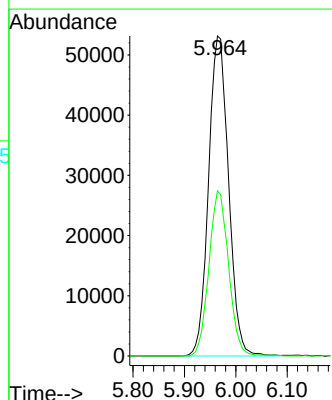
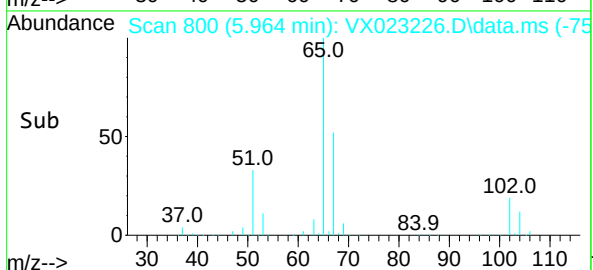
Tgt Ion: 56 Resp: 4534
Ion Ratio Lower Upper
56 100
69 168.1 25.3 37.9#
84 115.7 71.4 107.0#

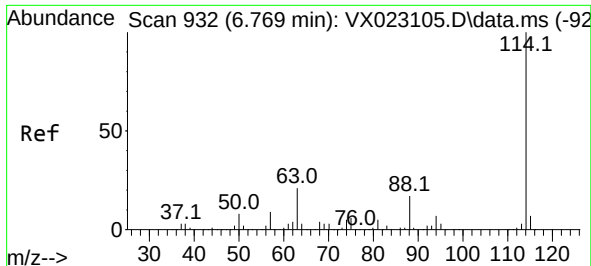


#33
1,2-Dichloroethane-d4
Concen: 51.267 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12



Tgt Ion: 65 Resp: 143443
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

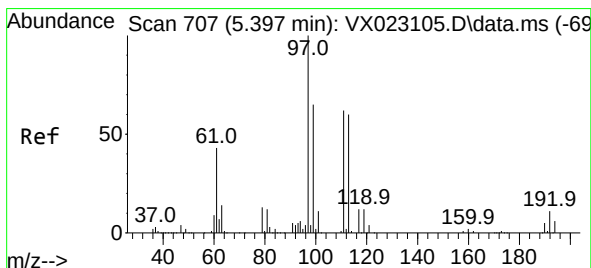
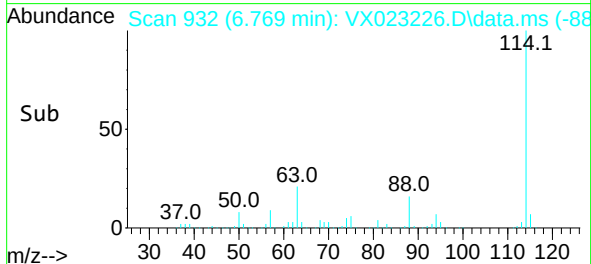
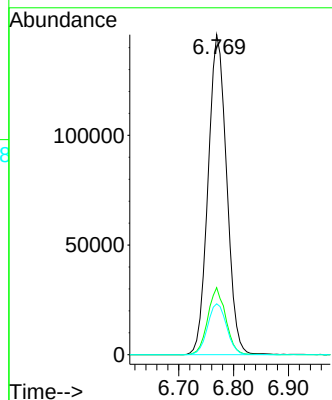
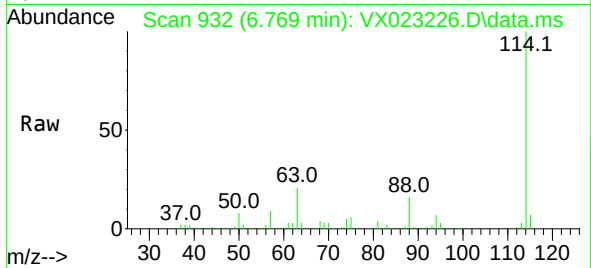




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

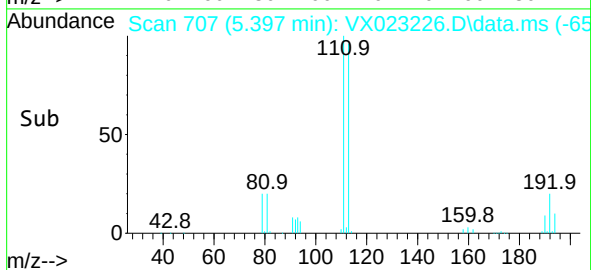
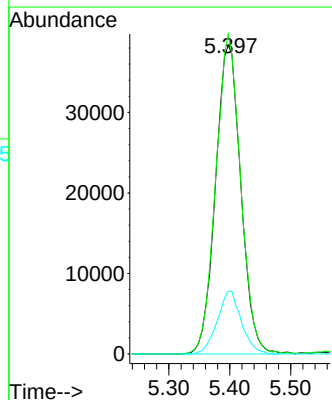
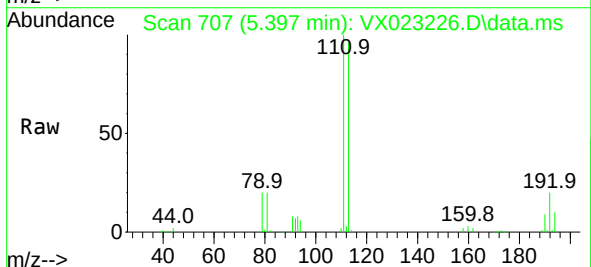
Instrument :
MSVOA_X
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PB137563ZHE#14

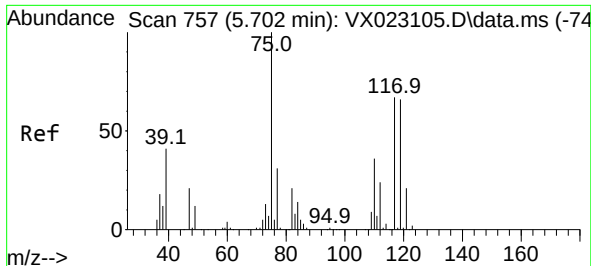
Tgt Ion:114 Resp: 342337
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.184 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion:113 Resp: 110941
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 19.3 16.7 25.1

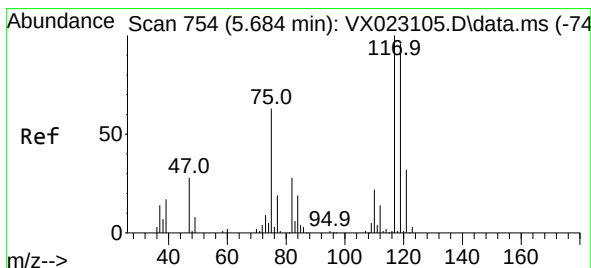
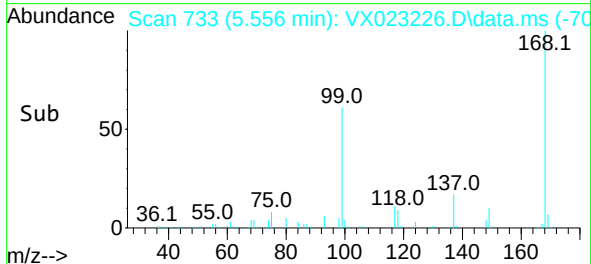
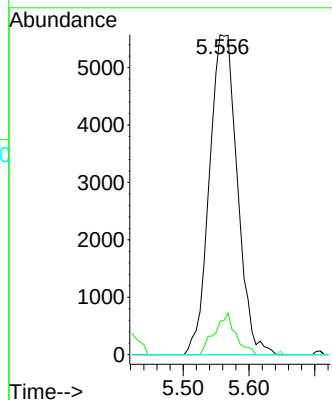
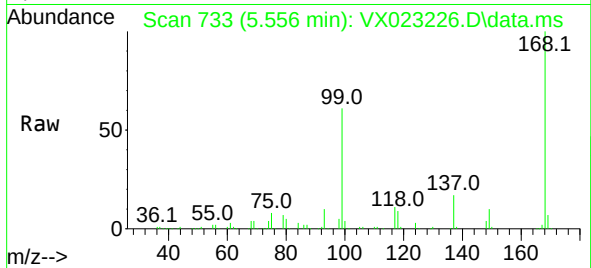




#36
1,1-Dichloropropene
Concen: 5.394 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

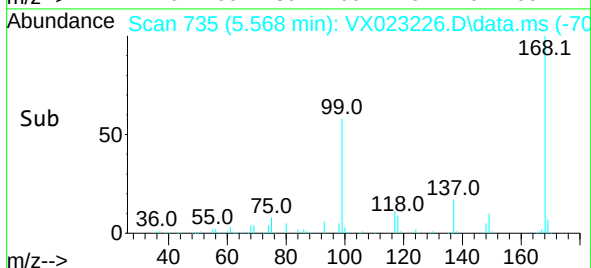
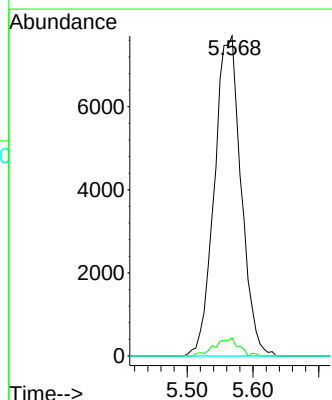
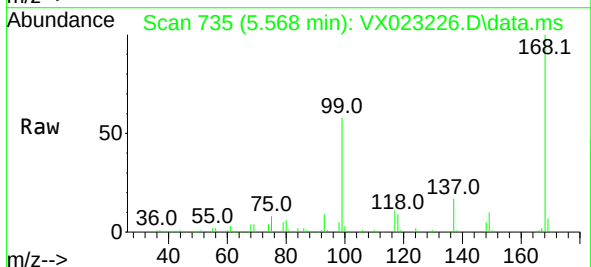
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

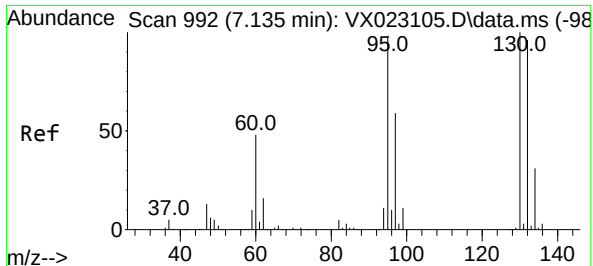
Tgt Ion: 75 Resp: 16462
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.814 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion: 117 Resp: 21707
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.8 37.2#

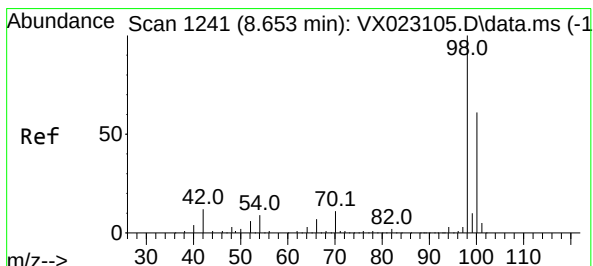
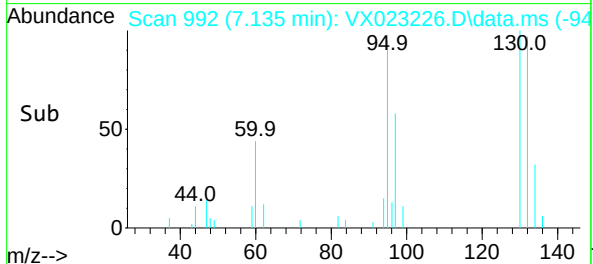
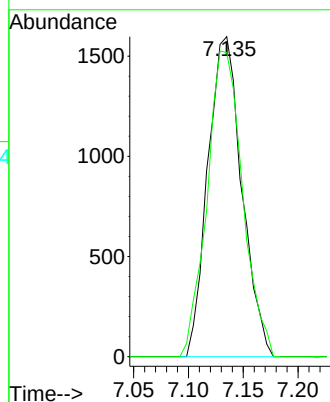
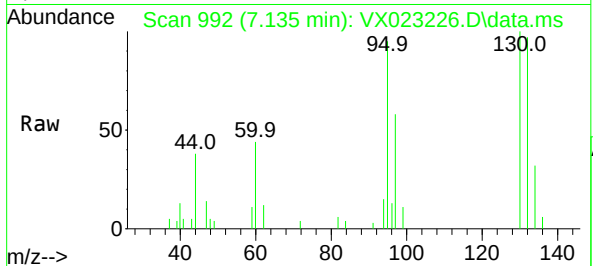




#44
Trichloroethene
Concen: 1.369 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

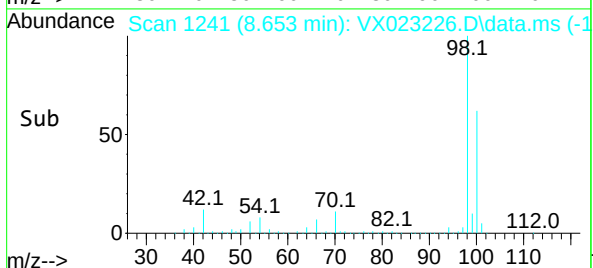
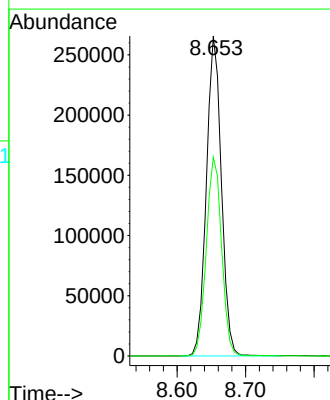
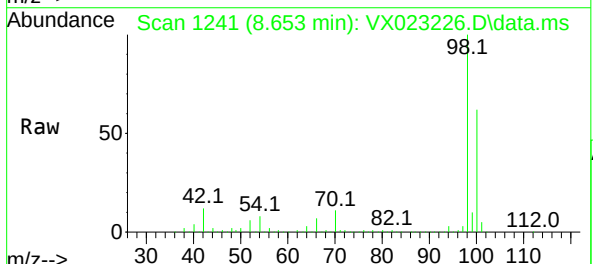
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

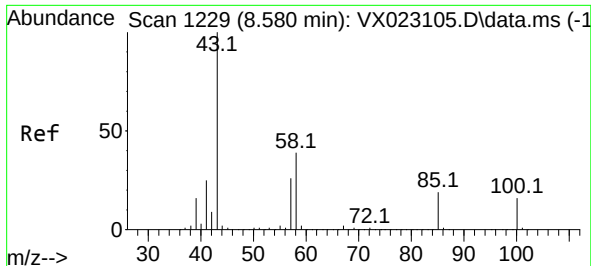
Tgt Ion:130 Resp: 3440
Ion Ratio Lower Upper
130 100
95 95.0 0.0 198.0



#50
Toluene-d8
Concen: 49.052 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion: 98 Resp: 404500
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

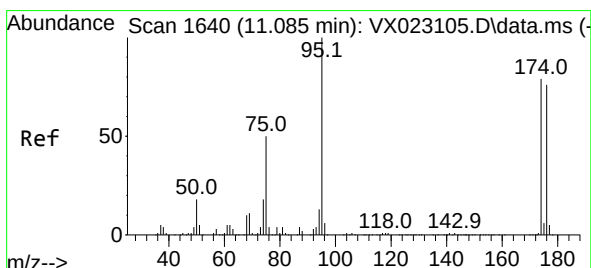
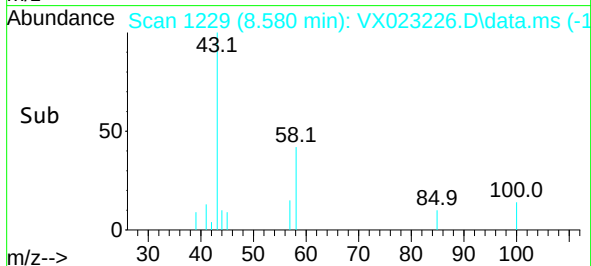
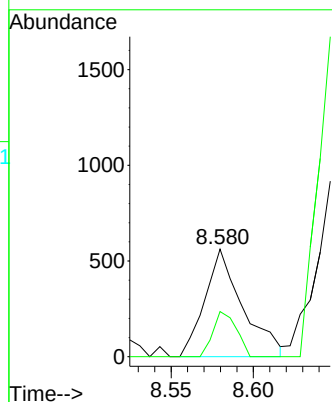
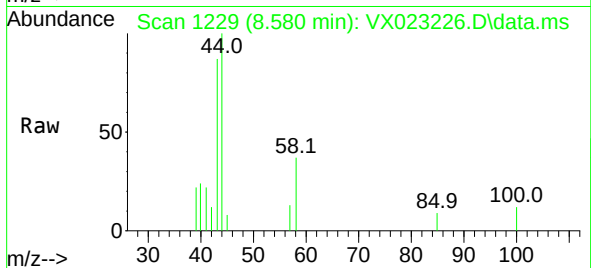




#51
4-Methyl-2-Pentanone
Concen: 0.262 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

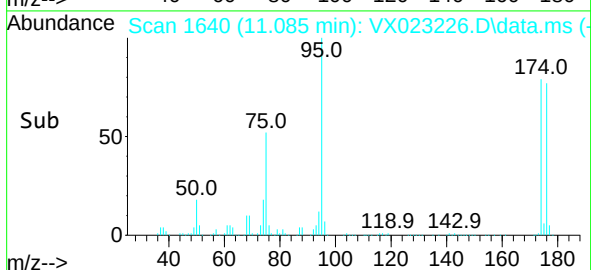
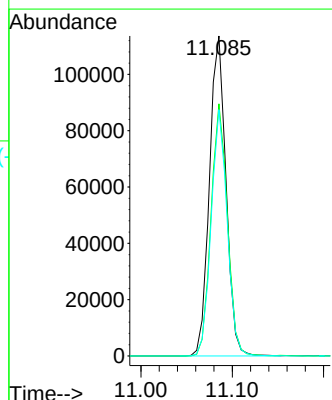
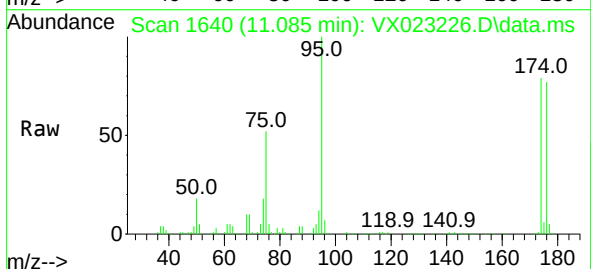
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

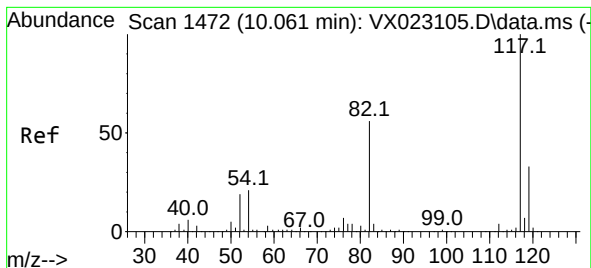
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
58 25.9 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 44.811 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion: 95 Resp: 142656
Ion Ratio Lower Upper
95 100
174 77.8 0.0 154.6
176 74.6 0.0 155.8

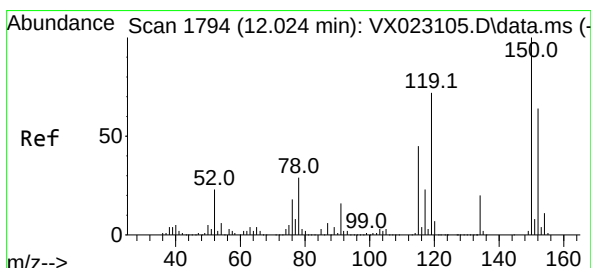
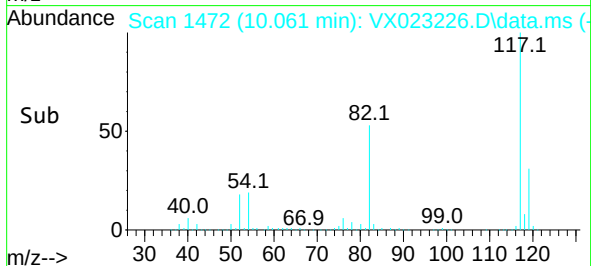
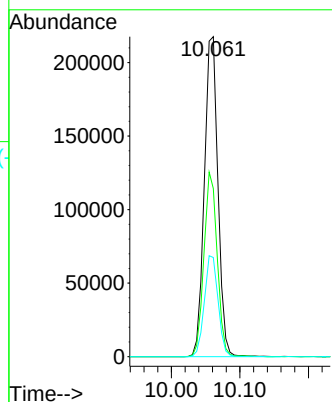
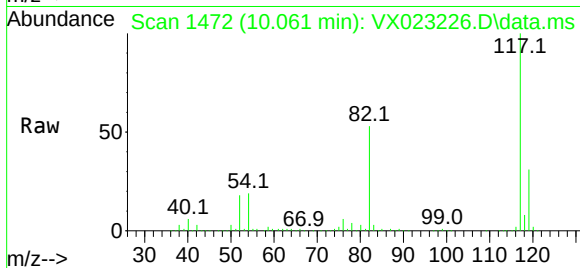




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

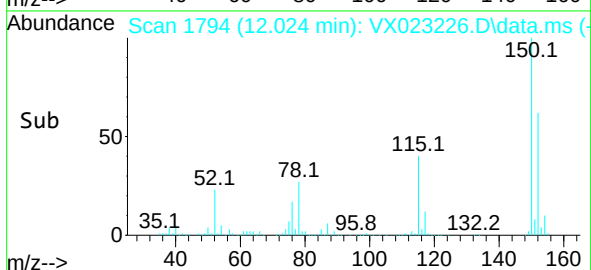
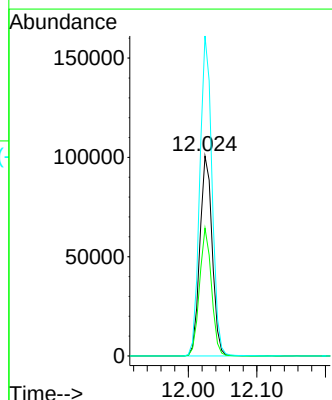
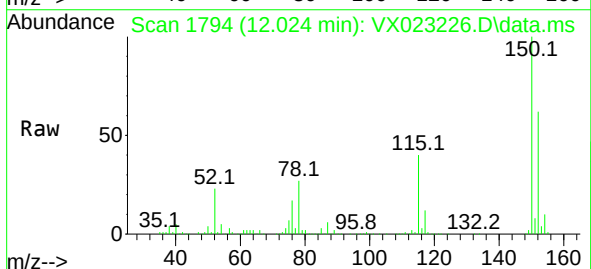
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

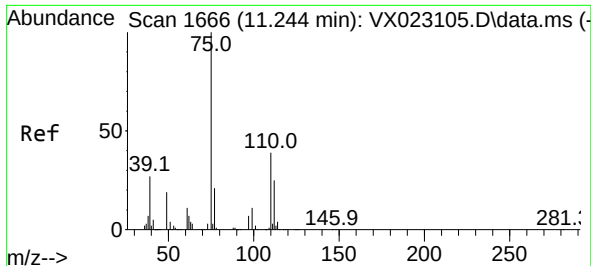
Tgt Ion:117 Resp: 301296
Ion Ratio Lower Upper
117 100
82 52.6 47.4 71.2
119 31.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Tgt Ion:152 Resp: 126427
Ion Ratio Lower Upper
152 100
115 61.8 41.1 123.3
150 157.9 0.0 349.0

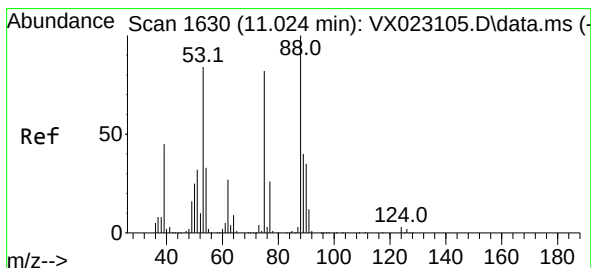
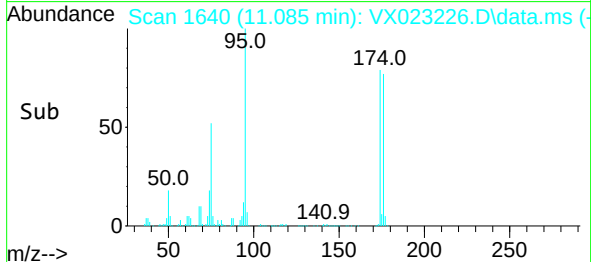
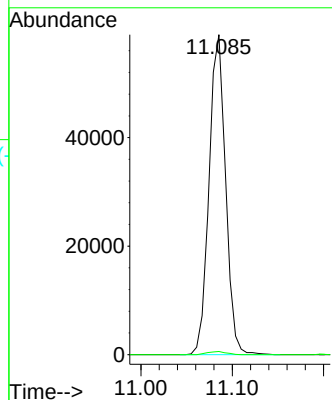
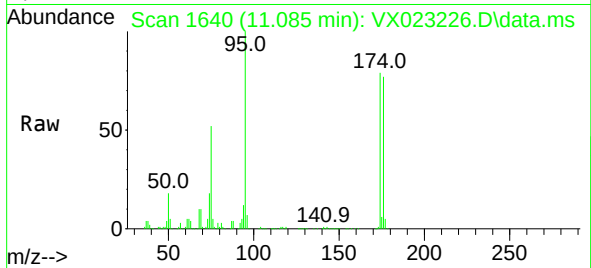




#76
1,2,3-Trichloropropane
Concen: 29.053 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

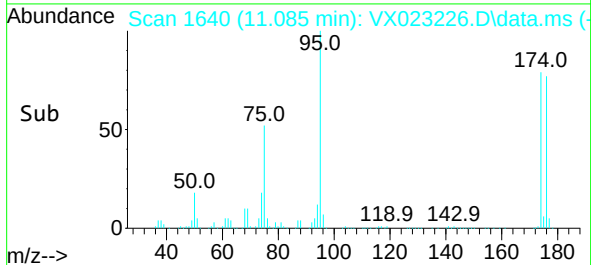
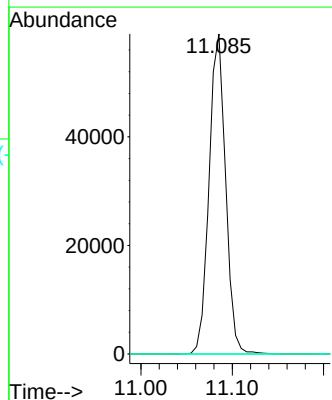
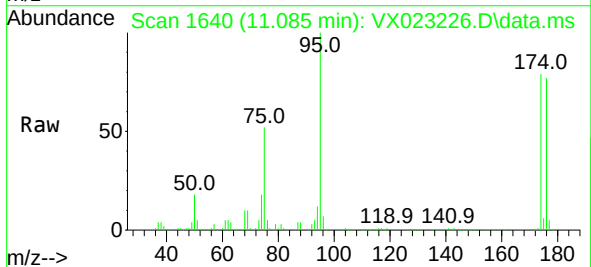
Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14

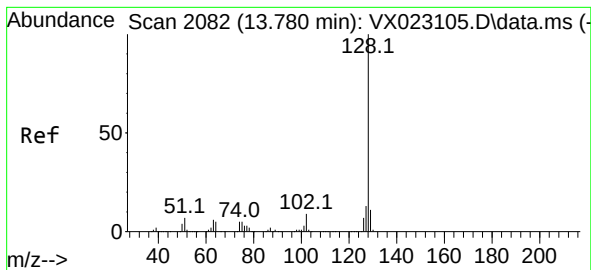
Tgt Ion: 75 Resp: 73915
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.158 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

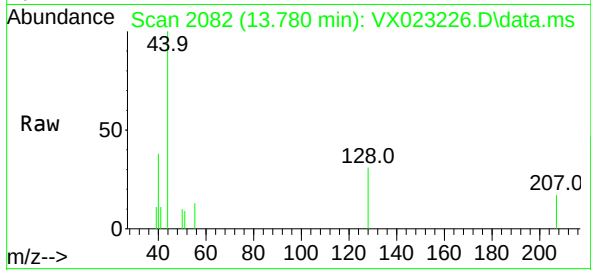
Tgt Ion: 75 Resp: 73915
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.299 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023226.D
Acq: 09 Jul 2021 17:12

Instrument :
MSVOA_X
ClientSampleId :
PB137563ZHE#14



Tgt Ion:	128	Resp:	223
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

