

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023336.D
 Acq On : 19 Jul 2021 13:00
 Operator : JC/MD
 Sample : PB137749TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749TB

Quant Time: Jul 20 05:23:52 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)

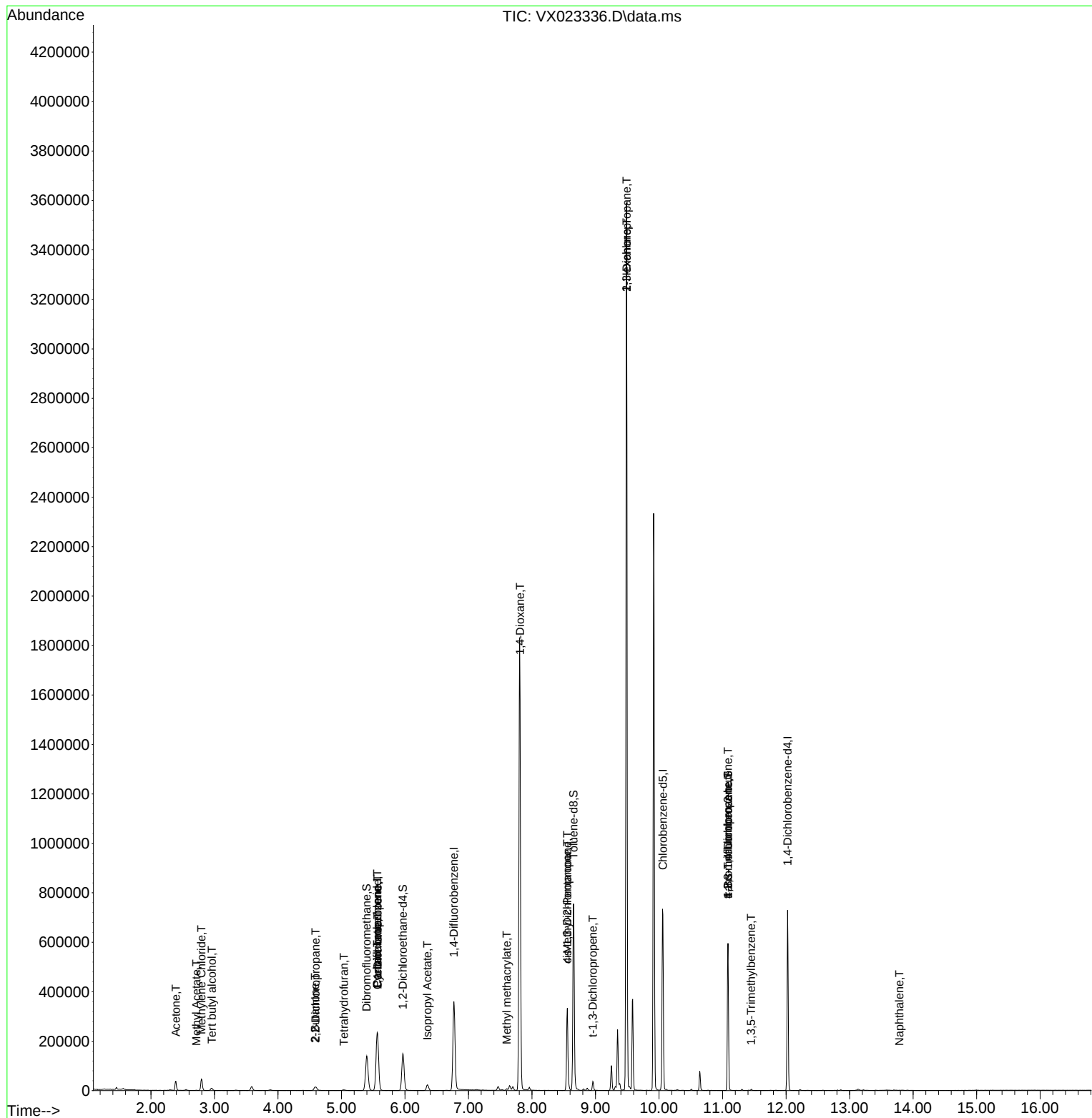
Internal Standards						
1) Pentafluorobenzene	5.562	168	221112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	361825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	335037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	153675	51.712	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.420%			
35) Dibromofluoromethane	5.397	113	117964	50.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.980%			
50) Toluene-d8	8.653	98	440747	50.569	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.140%			
62) 4-Bromofluorobenzene	11.085	95	161909	48.119	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.240%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	319	Below Cal	#	52
11) Tert butyl alcohol	2.959	59	5969	9.548	ug/l #	81
16) Acetone	2.392	43	39767	33.824	ug/l	92
18) Methyl Acetate	2.715	43	1533	0.537	ug/l #	82
20) Methylene Chloride	2.794	84	21186	8.370	ug/l	94
25) 2-Butanone	4.587	43	7215	4.070	ug/l #	86
26) 2,2-Dichloropropane	4.593	77	964	0.282	ug/l #	52
29) Tetrahydrofuran	5.038	42	2638	2.315	ug/l #	57
31) Cyclohexane	5.568	56	4727	1.328	ug/l #	40
36) 1,1-Dichloropropene	5.568	75	16957	5.257	ug/l #	50
38) Carbon Tetrachloride	5.562	117	23240	6.903	ug/l #	16
43) Isopropyl Acetate	6.355	43	31729	5.421	ug/l	95
48) Methyl methacrylate	7.604	41	7823	2.724	ug/l #	10
49) 1,4-Dioxane	7.812	88	299	4.626	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	115113	31.740	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	76	2.754	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	51604	13.938	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	29793	7.082	ug/l #	43
59) 2-Hexanone	9.488	43	414926	149.107	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	78727	27.023	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2494	0.284	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	78727	73.031	ug/l #	12
95) Naphthalene	13.786	128	577	1.328	ug/l #	74

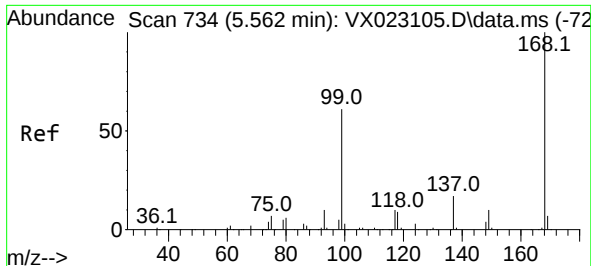
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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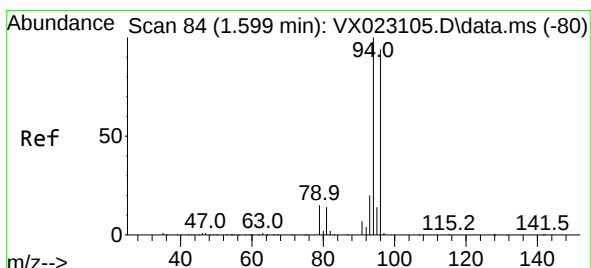
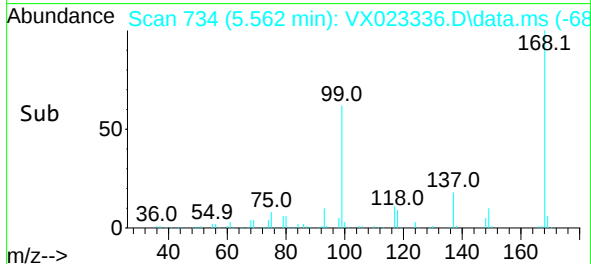
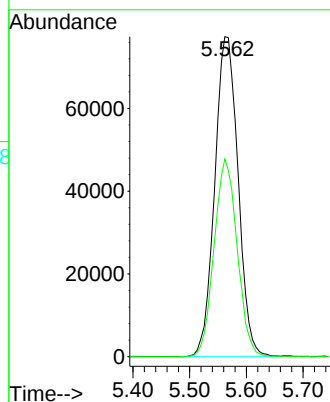
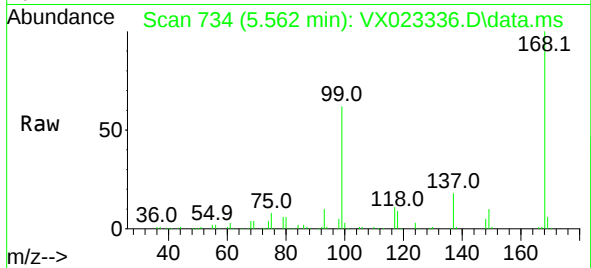




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

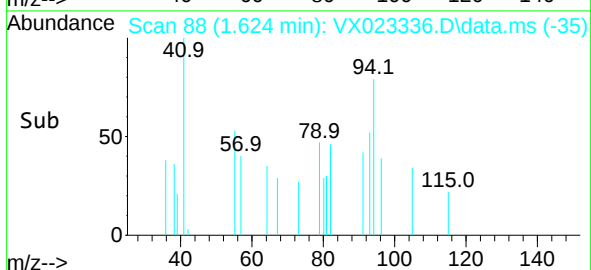
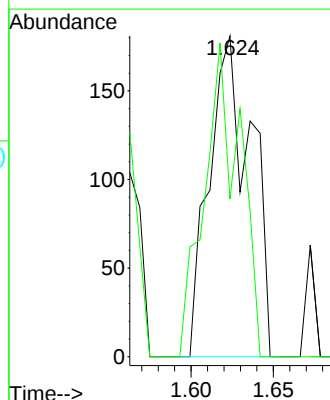
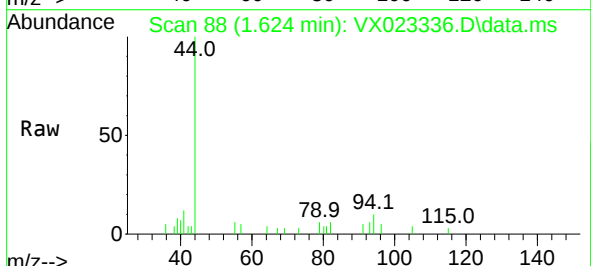
Instrument :
MSVOA_X
ClientSampleId :
PB137749TB

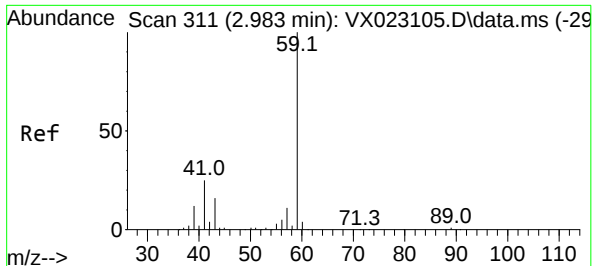
Tgt Ion:168 Resp: 221112
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 49.2 76.4 114.6#



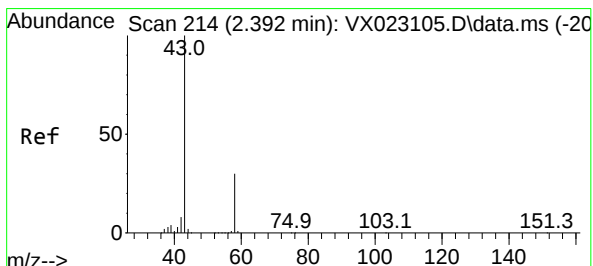
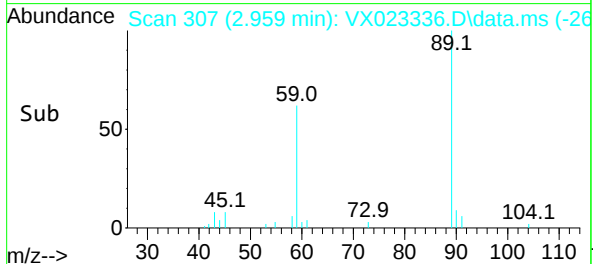
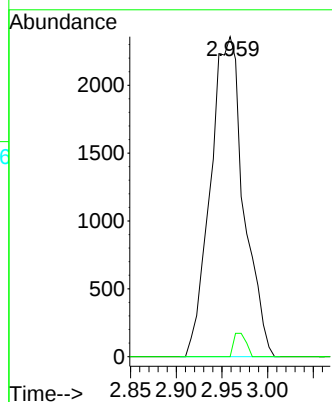
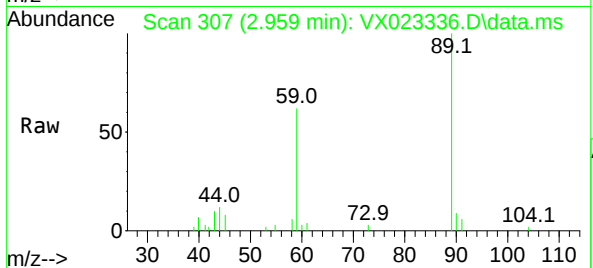


#11

Tert butyl alcohol
Concen: 9.548 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Instrument :
MSVOA_X
ClientSampleId :
PB137749TB

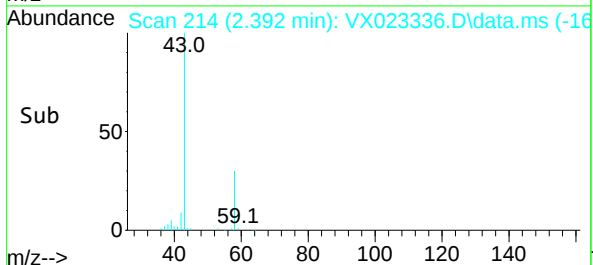
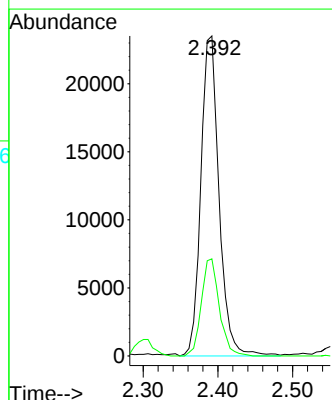
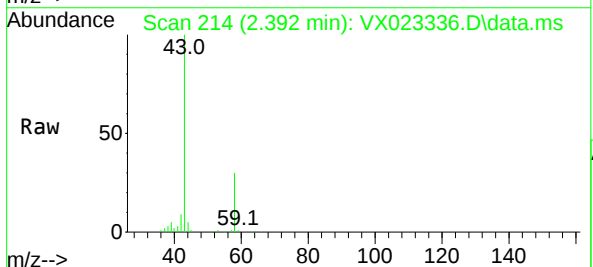
Tgt Ion: 59 Resp: 5969
Ion Ratio Lower Upper
59 100
57 2.7 7.8 11.8#

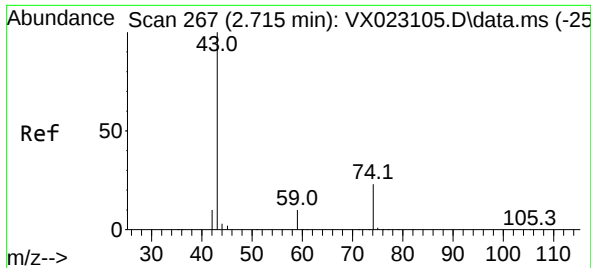


#16

Acetone
Concen: 33.824 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 43 Resp: 39767
Ion Ratio Lower Upper
43 100
58 30.4 27.8 41.8

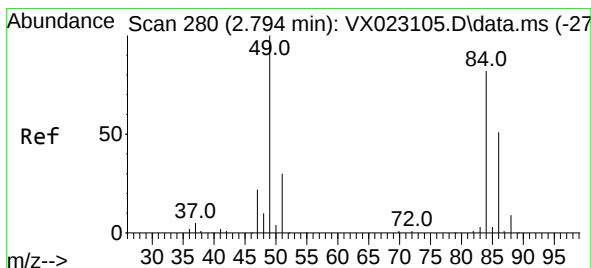
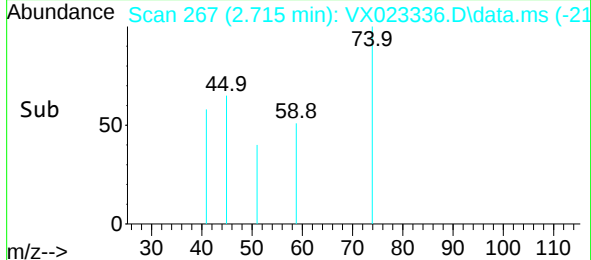
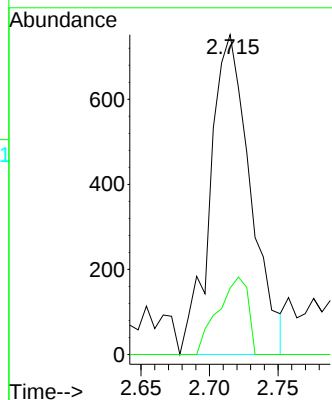
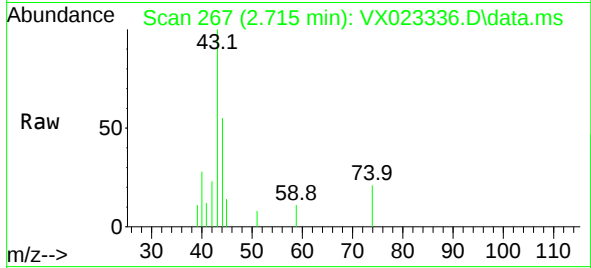




#18
Methyl Acetate
Concen: 0.537 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

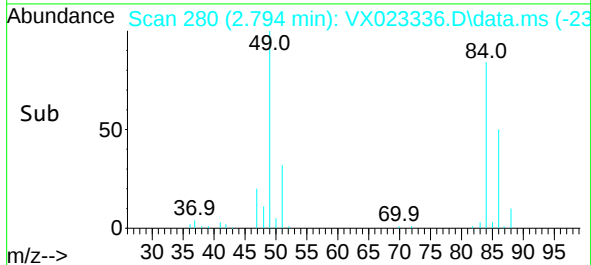
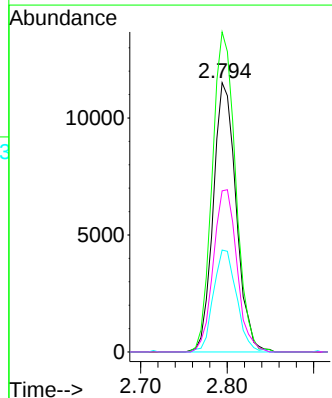
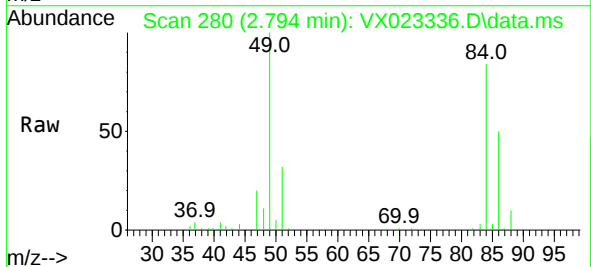
Instrument :
MSVOA_X
ClientSampled :
PB137749TB

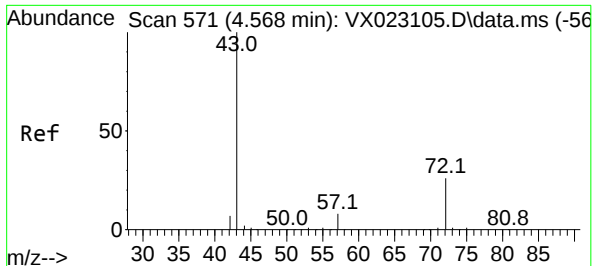
Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
74 18.1 21.9 32.9#



#20
Methylene Chloride
Concen: 8.370 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 84 Resp: 21186
Ion Ratio Lower Upper
84 100
49 118.9 88.6 132.8
51 37.8 27.0 40.6
86 59.8 50.3 75.5





#25

2-Butanone

Concen: 4.070 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX023336.D

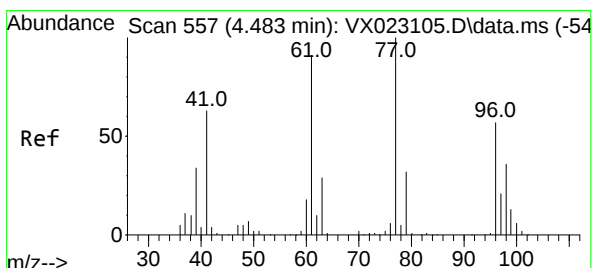
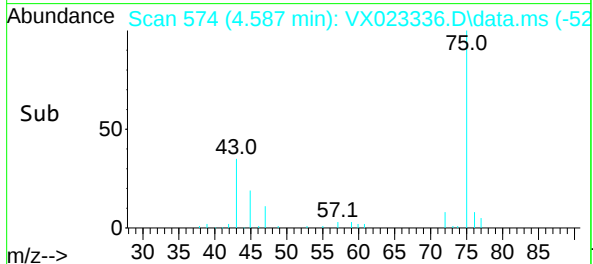
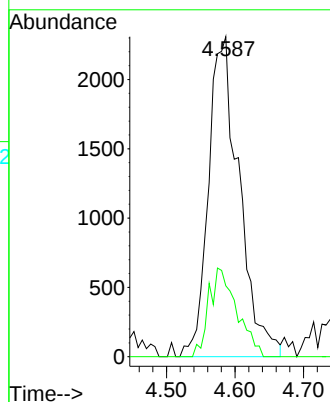
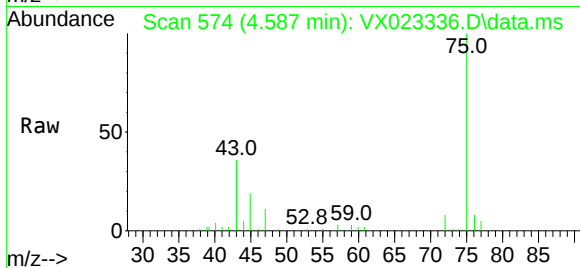
Acq: 19 Jul 2021 13:00

Tgt Ion: 43 Resp: 7215

Ion Ratio Lower Upper

43 100

72 22.2 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.282 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.110 min

Lab File: VX023336.D

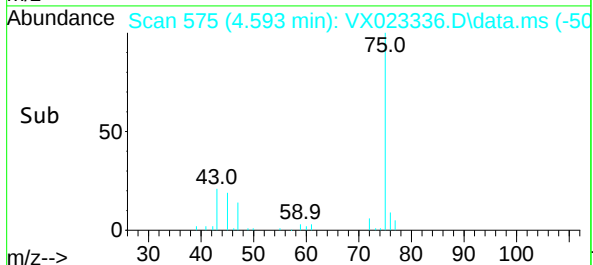
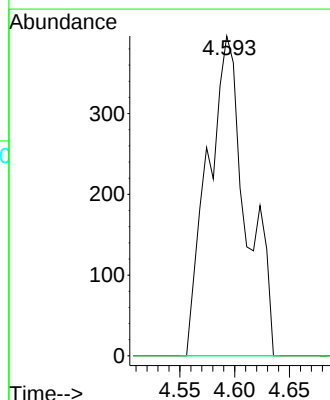
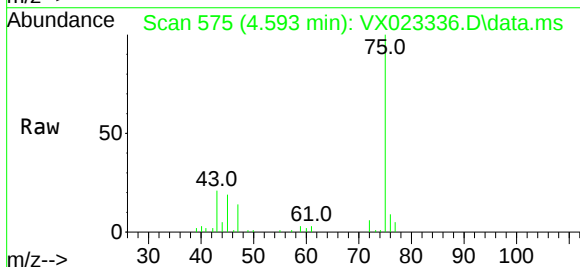
Acq: 19 Jul 2021 13:00

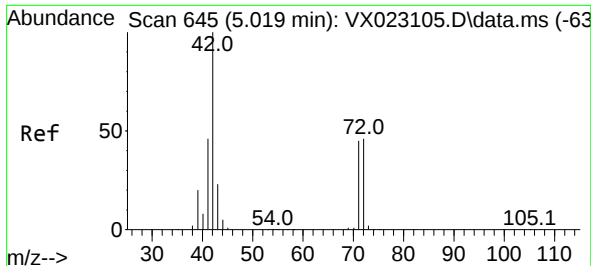
Tgt Ion: 77 Resp: 964

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 2.315 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023336.D

Acq: 19 Jul 2021 13:00

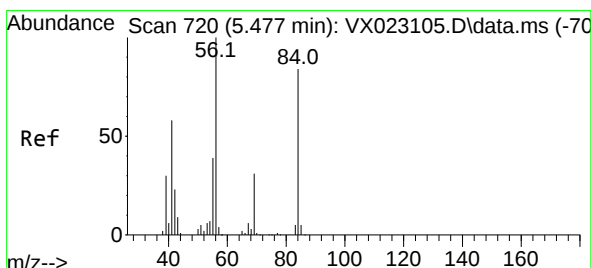
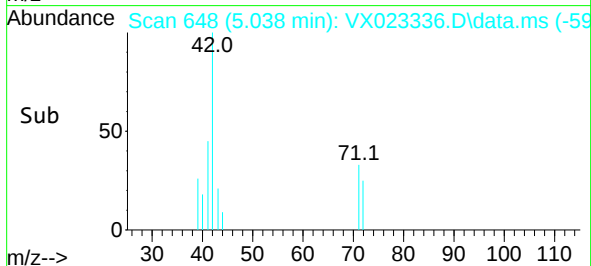
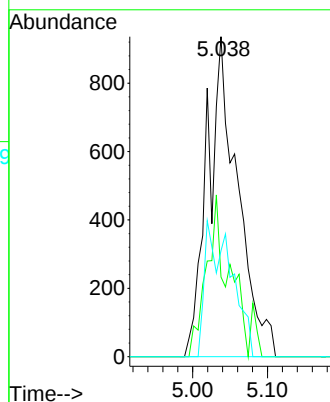
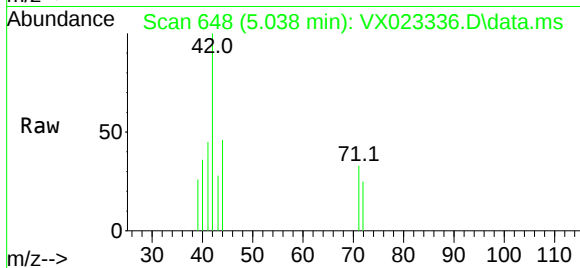
Instrument :

MSVOA_X

ClientSampleId :

PB137749TB

Tgt Ion:	42	Resp:	2638
Ion	Ratio	Lower	Upper
42	100		
72	25.7	41.7	62.5#
71	15.6	38.4	57.6#



#31

Cyclohexane

Concen: 1.328 ug/l

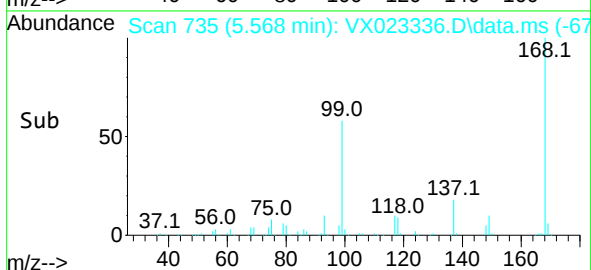
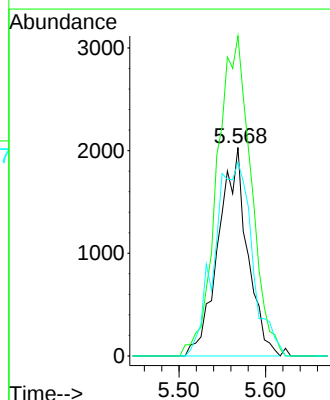
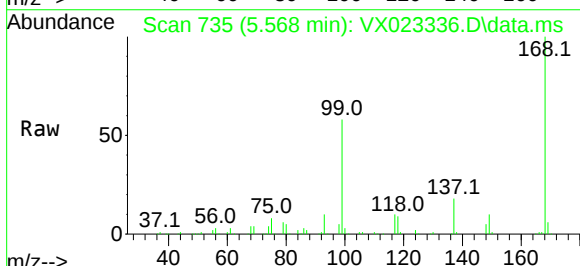
RT: 5.568 min Scan# 735

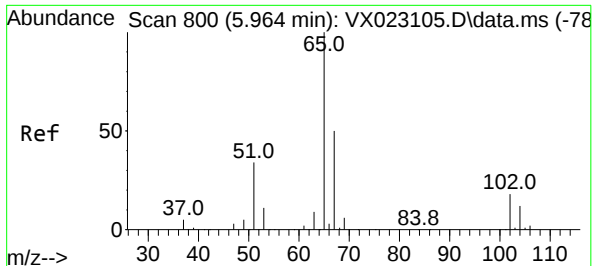
Delta R.T. 0.091 min

Lab File: VX023336.D

Acq: 19 Jul 2021 13:00

Tgt Ion:	56	Resp:	4727
Ion	Ratio	Lower	Upper
56	100		
69	153.5	25.3	37.9#
84	92.9	71.4	107.0

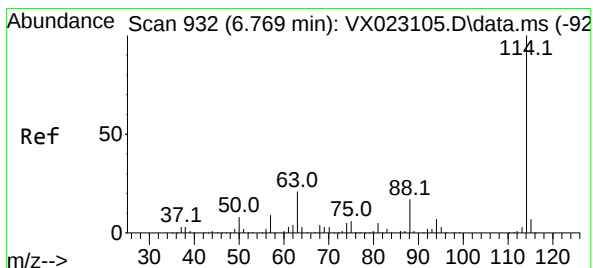
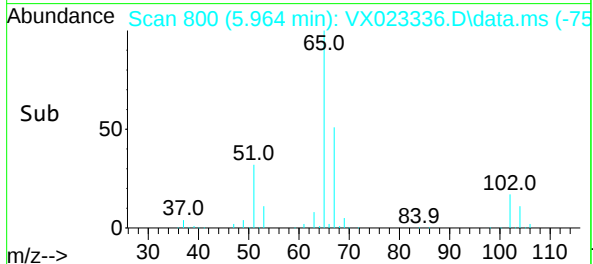
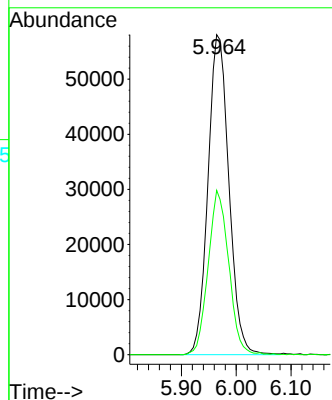
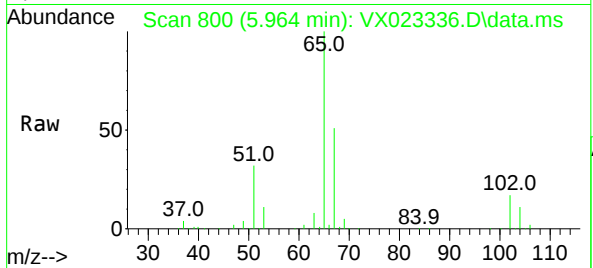




#33
 1,2-Dichloroethane-d4
 Concen: 51.712 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023336.D
 Acq: 19 Jul 2021 13:00

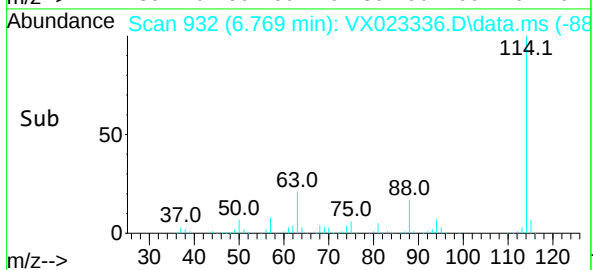
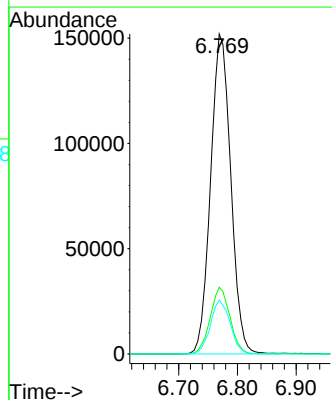
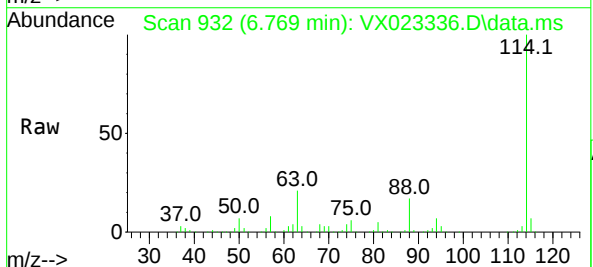
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 MSVOA_X
 ClientSampleId :
 PB137749TB

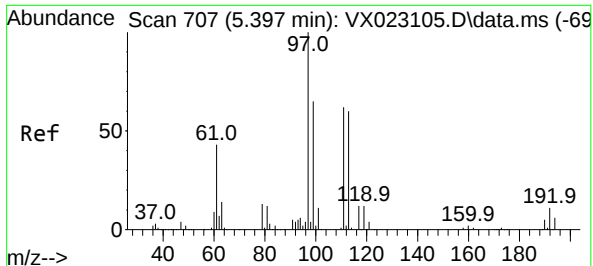
Tgt Ion: 65 Resp: 153675
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023336.D
 Acq: 19 Jul 2021 13:00

Tgt Ion: 114 Resp: 361825
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 16.8 0.0 32.8

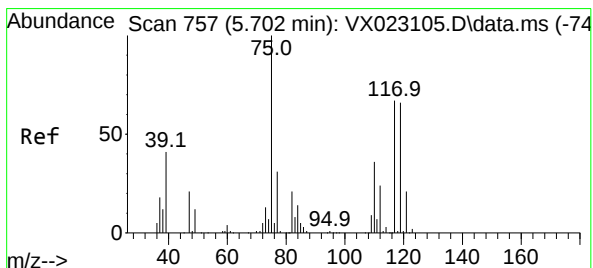
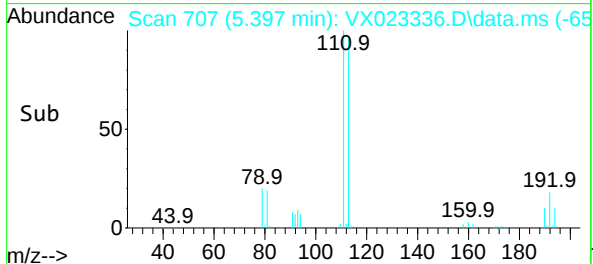
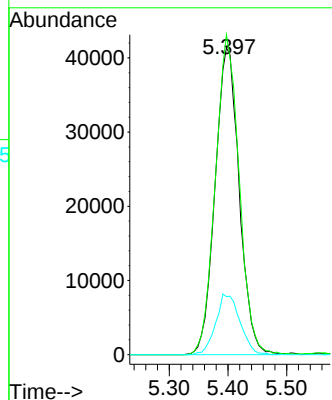
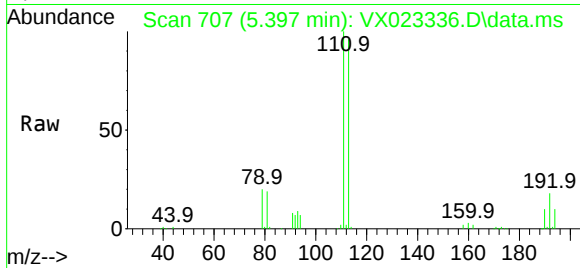




#35
Dibromofluoromethane
Concen: 50.487 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

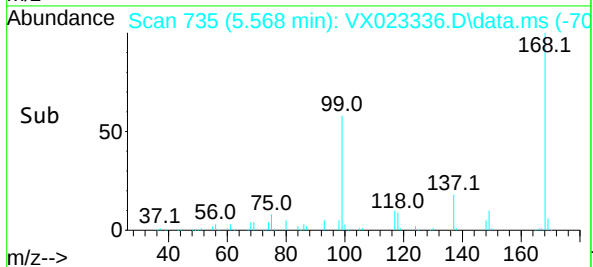
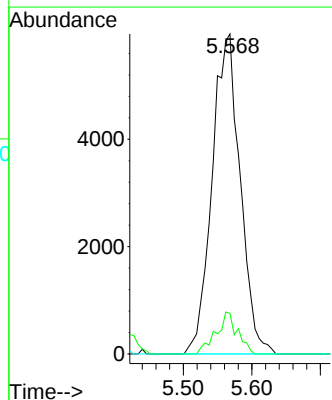
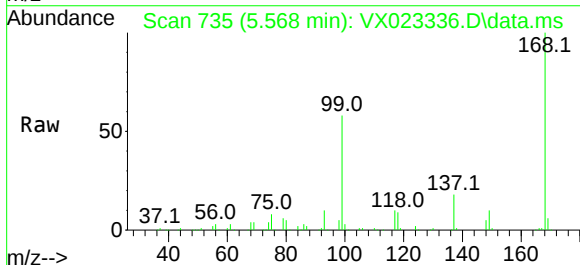
Instrument :
MSVOA_X
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PB137749TB

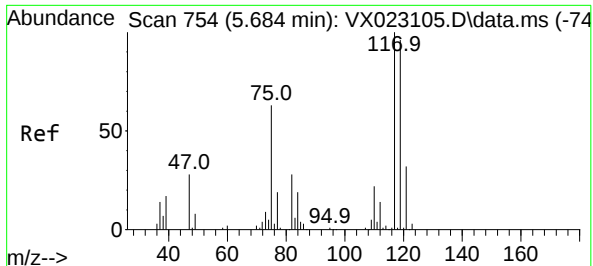
Tgt Ion:113 Resp: 117964
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.257 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 75 Resp: 16957
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#

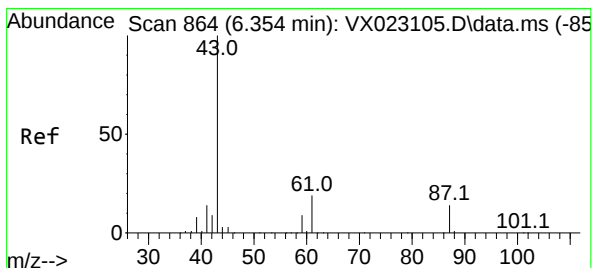
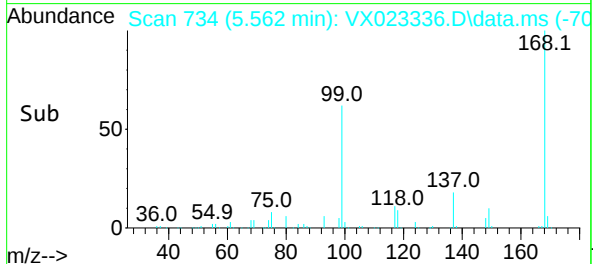
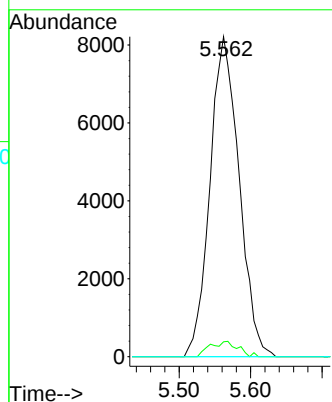
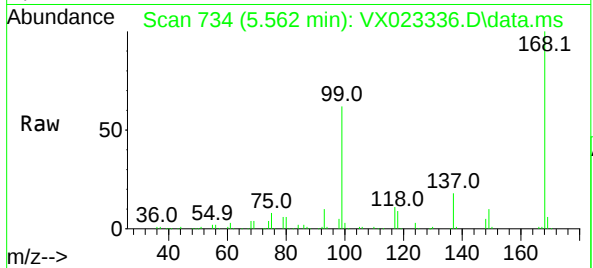




#38
Carbon Tetrachloride
Concen: 6.903 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

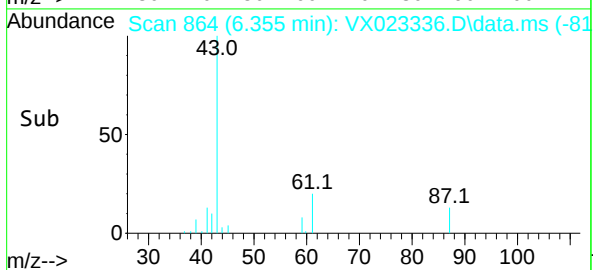
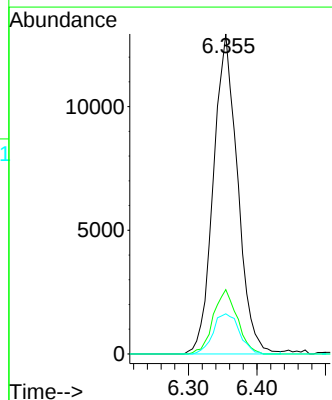
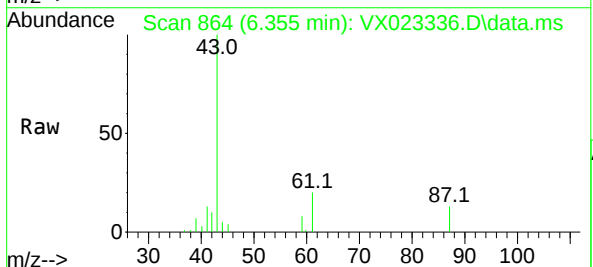
Instrument :
MSVOA_X
ClientSampleId :
PB137749TB

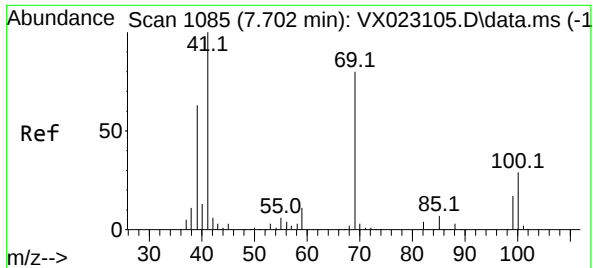
Tgt Ion:117 Resp: 23240
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 5.421 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 43 Resp: 31729
Ion Ratio Lower Upper
43 100
61 19.9 18.2 27.4
87 13.6 12.5 18.7

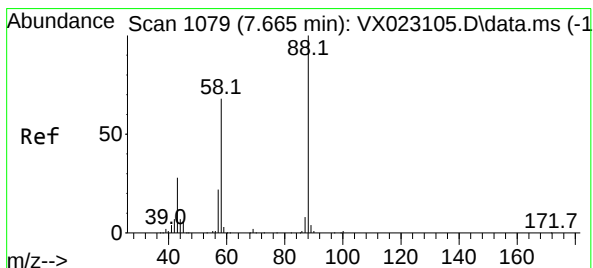
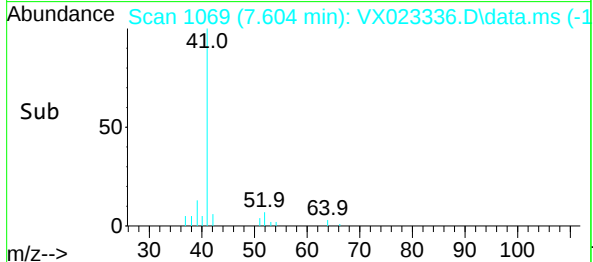
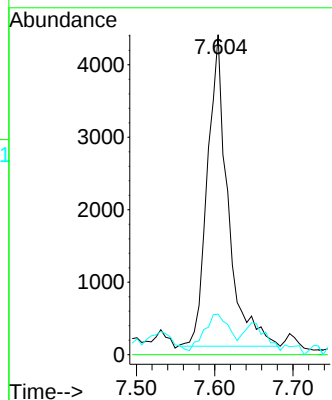
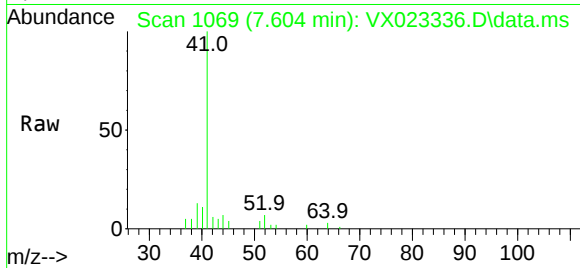




#48
Methyl methacrylate
Concen: 2.724 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

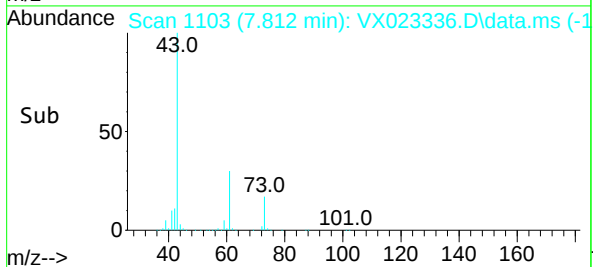
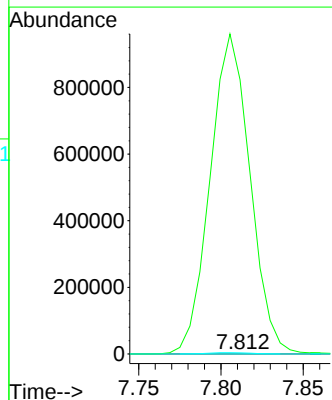
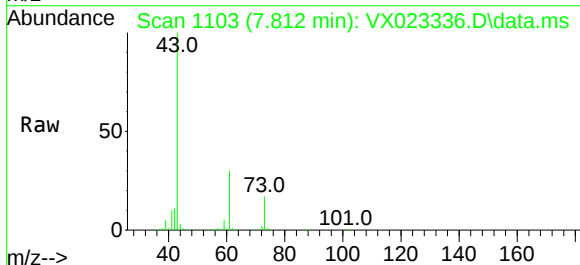
Instrument :
MSVOA_X
ClientSampleId :
PB137749TB

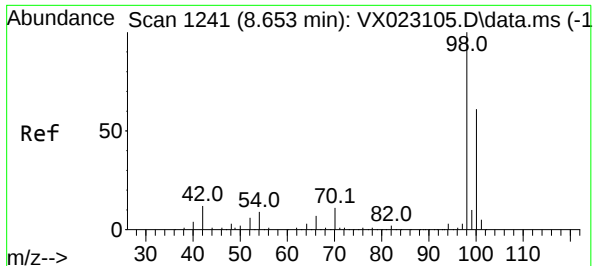
Tgt Ion: 41 Resp: 7823
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.626 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 88 Resp: 299
Ion Ratio Lower Upper
88 100
43 545277.6 23.2 34.8#
58 2407.4 55.0 82.4#

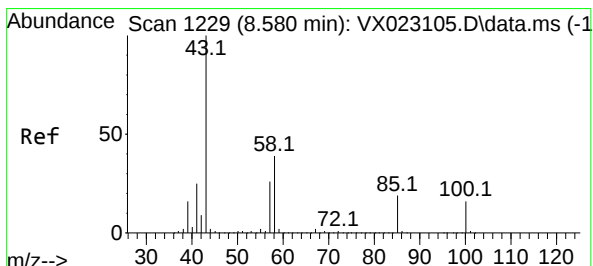
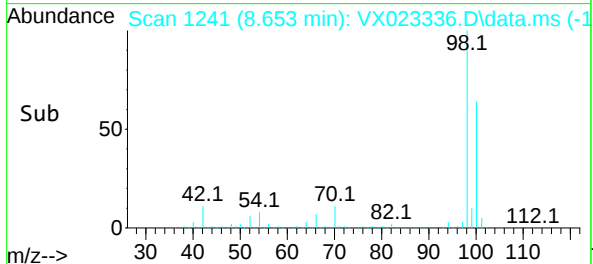
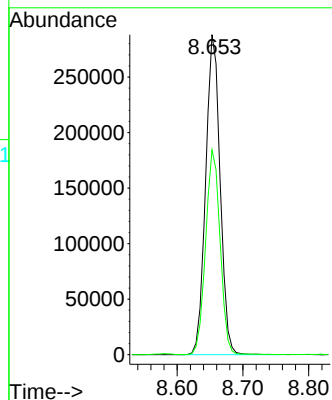
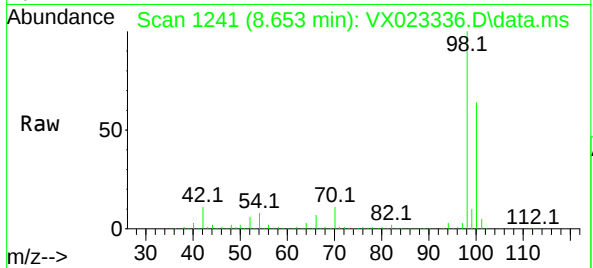




#50
Toluene-d8
Concen: 50.569 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

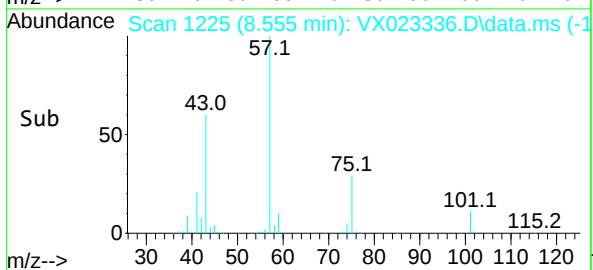
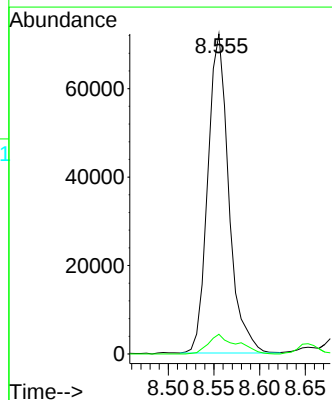
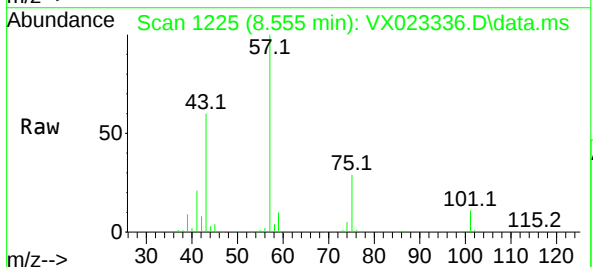
Instrument :
MSVOA_X
ClientSampleId :
PB137749TB

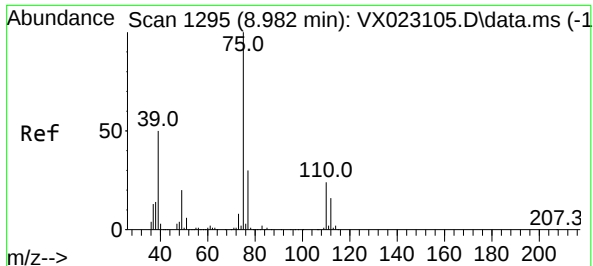
Tgt Ion: 98 Resp: 440747
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 31.740 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 43 Resp: 115113
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#

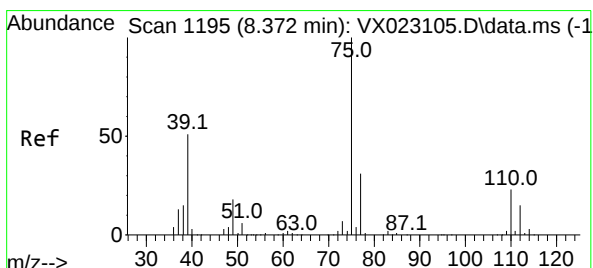
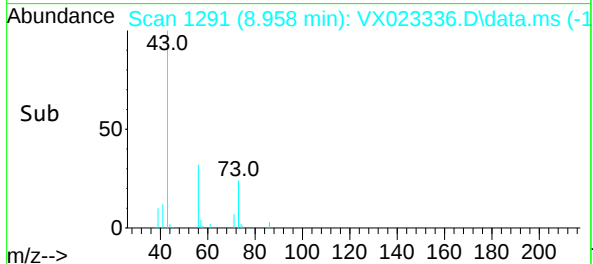
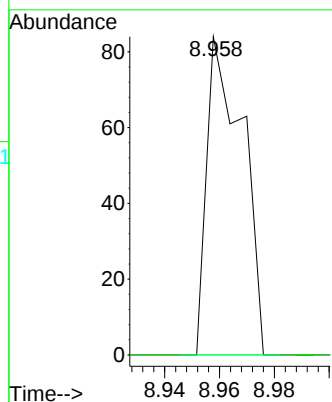
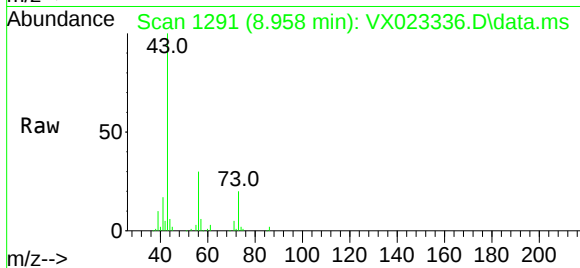




#53
t-1,3-Dichloropropene
Concen: 2.754 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

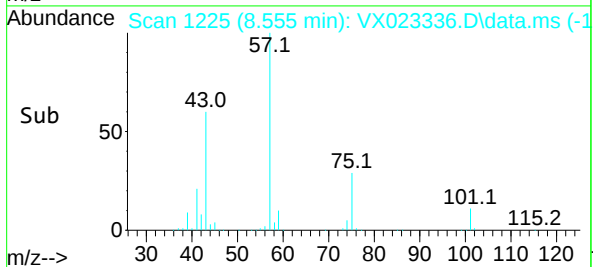
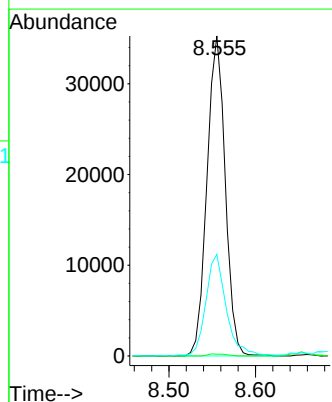
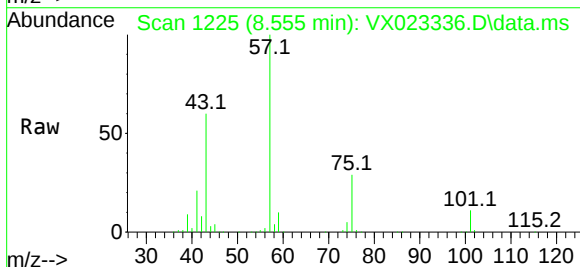
Instrument :
MSVOA_X
ClientSampled :
PB137749TB

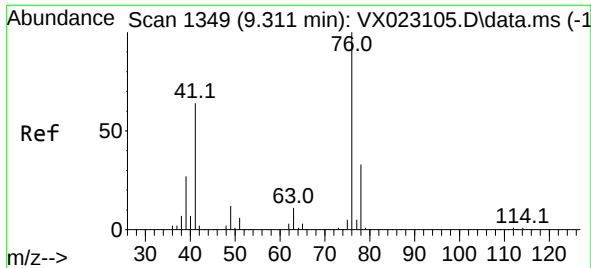
Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.938 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 75 Resp: 51604
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 31.4 35.1 52.7#

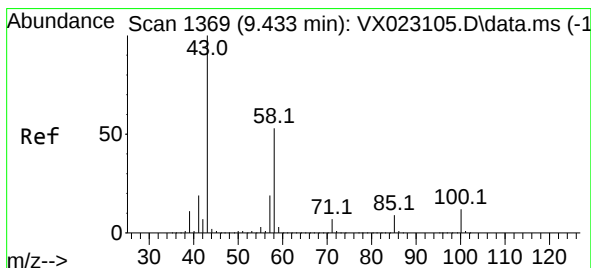
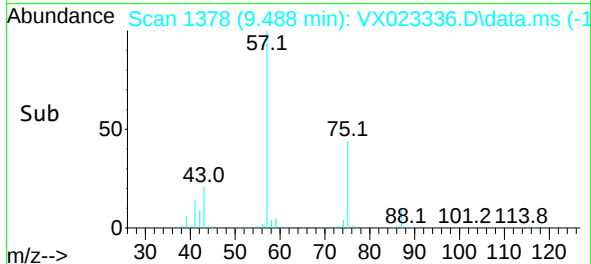
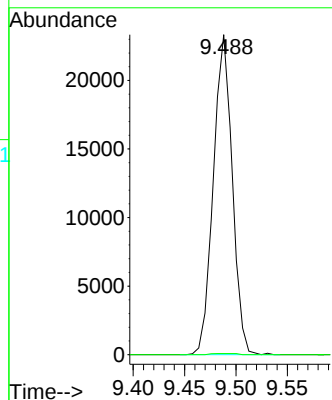
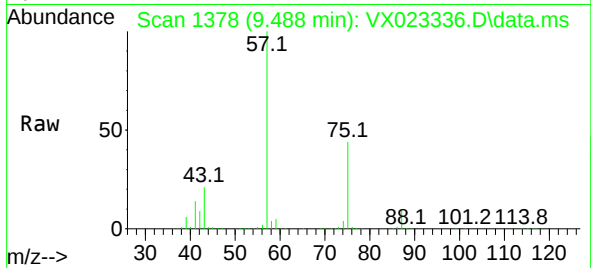




#57
1,3-Dichloropropane
Concen: 7.082 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

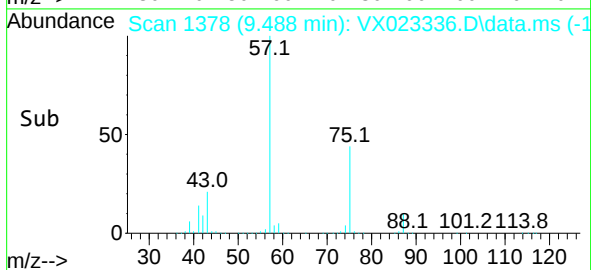
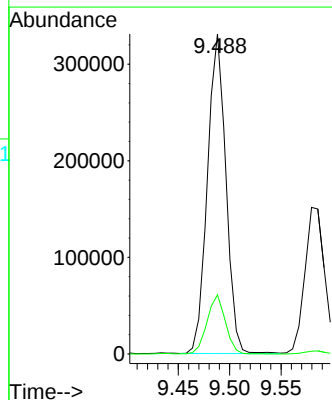
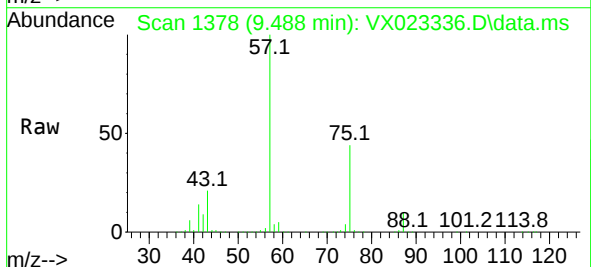
Instrument :
MSVOA_X
ClientSampleId :
PB137749TB

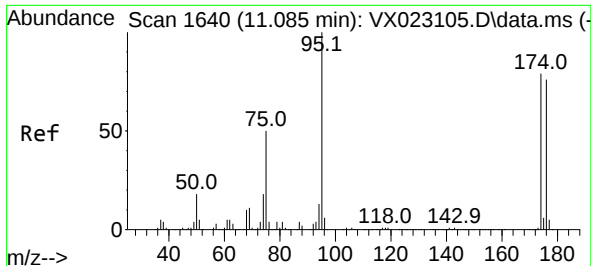
Tgt Ion: 76 Resp: 29793
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#



#59
2-Hexanone
Concen: 149.107 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 43 Resp: 414926
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

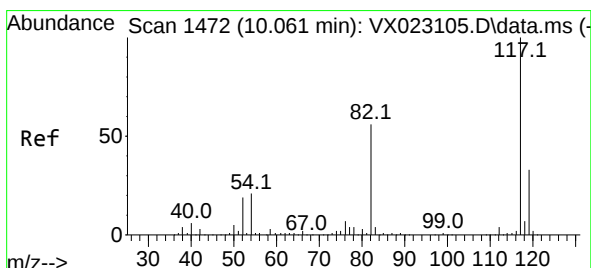
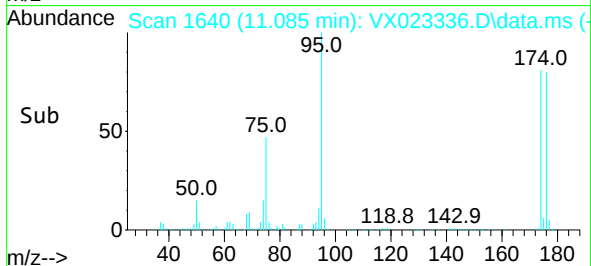
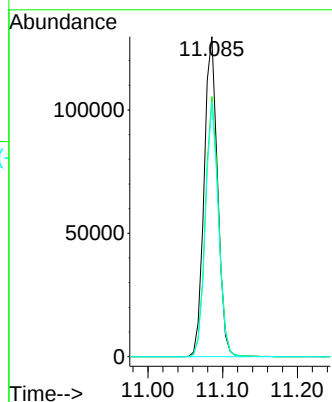
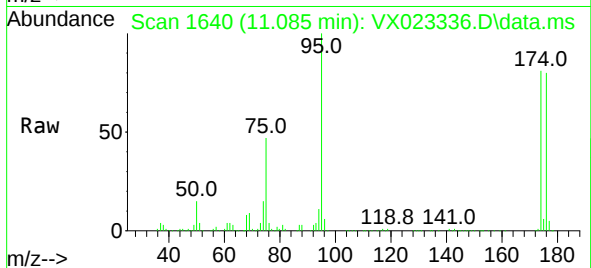




#62
4-Bromofluorobenzene
Concen: 48.119 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

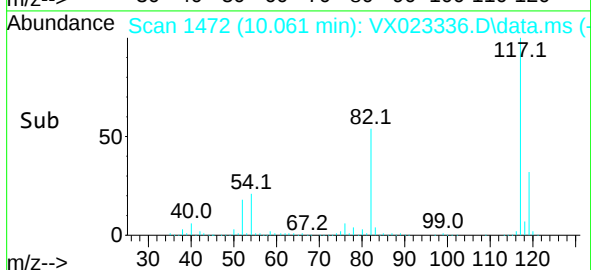
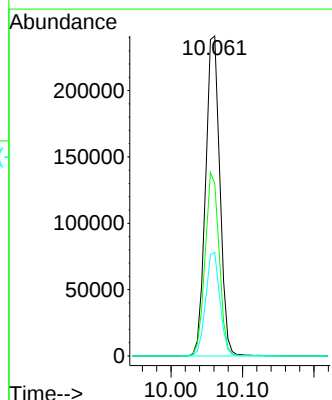
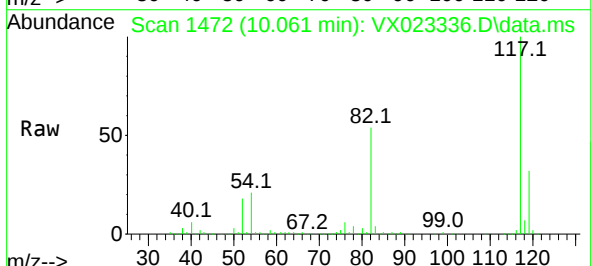
Instrument :
MSVOA_X
ClientSampleId :
PB137749TB

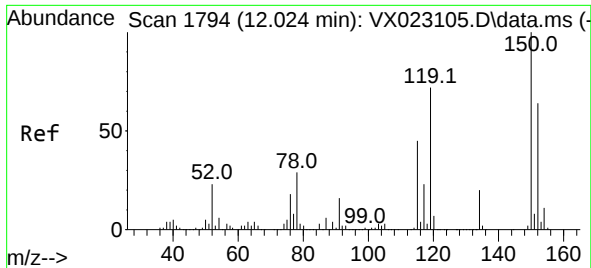
Tgt Ion: 95 Resp: 161909
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 76.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Tgt Ion: 117 Resp: 335037
Ion Ratio Lower Upper
117 100
82 53.9 47.4 71.2
119 32.4 26.6 39.8

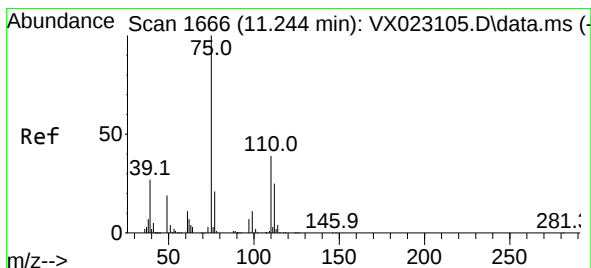
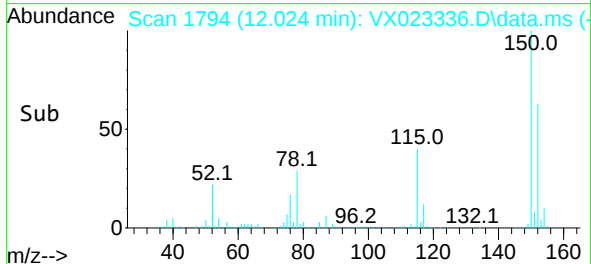
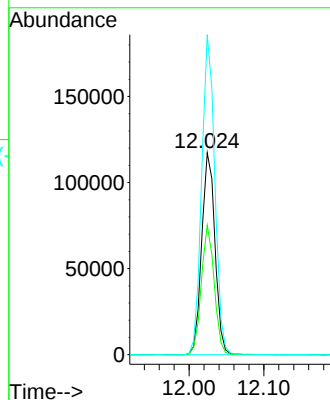
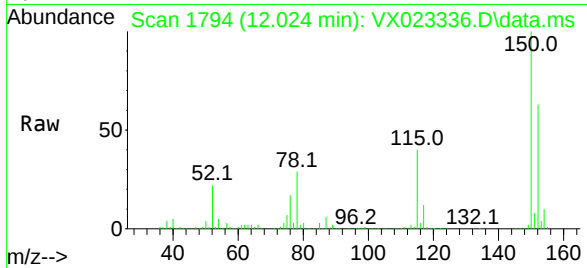




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023336.D
 Acq: 19 Jul 2021 13:00

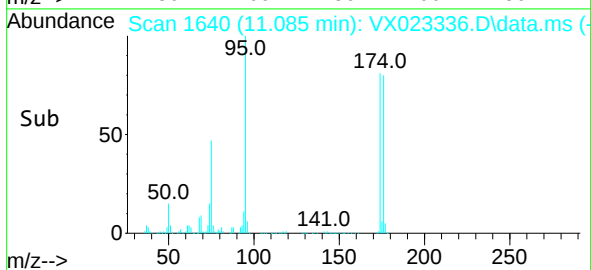
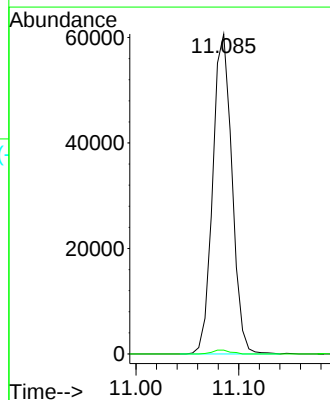
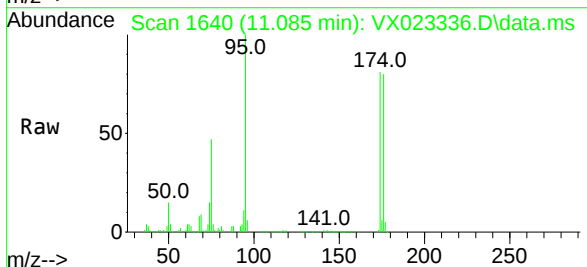
Instrument :
 MSVOA_X
 ClientSampled :
 PB137749TB

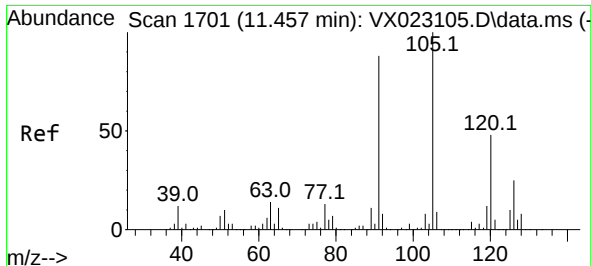
Tgt Ion:152 Resp: 144772
 Ion Ratio Lower Upper
 152 100
 115 62.1 41.1 123.3
 150 156.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.023 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023336.D
 Acq: 19 Jul 2021 13:00

Tgt Ion: 75 Resp: 78727
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

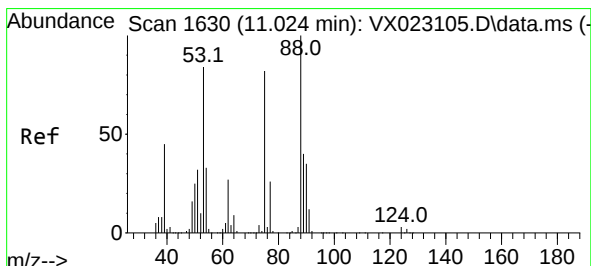
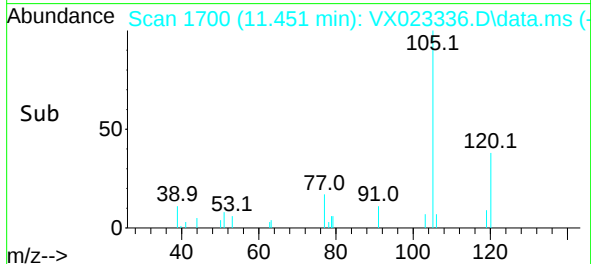
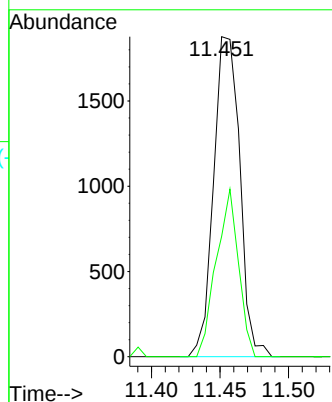
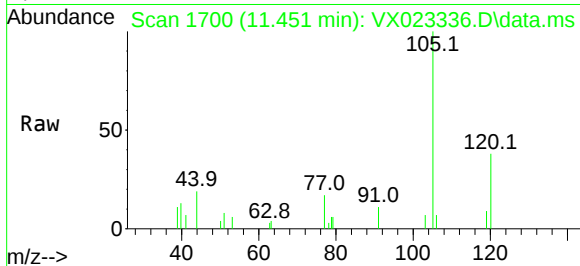




#80
1,3,5-Trimethylbenzene
Concen: 0.284 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

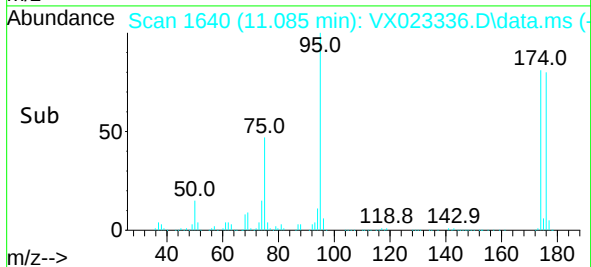
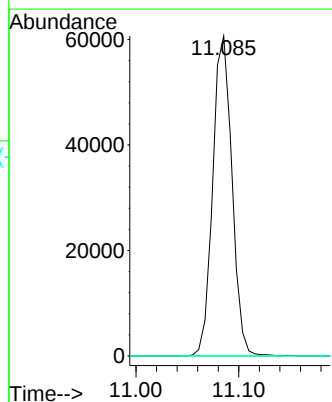
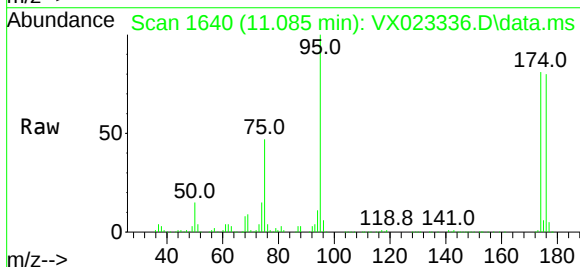
Instrument :
MSVOA_X
ClientSampled :
PB137749TB

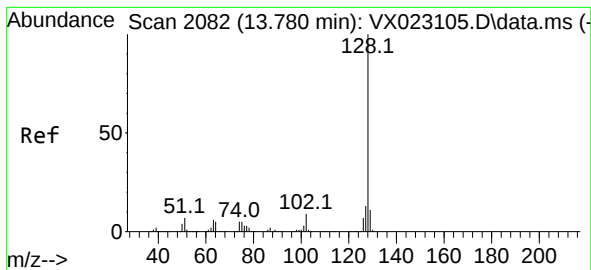
Tgt Ion:105 Resp: 2494
Ion Ratio Lower Upper
105 100
120 44.4 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 73.031 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

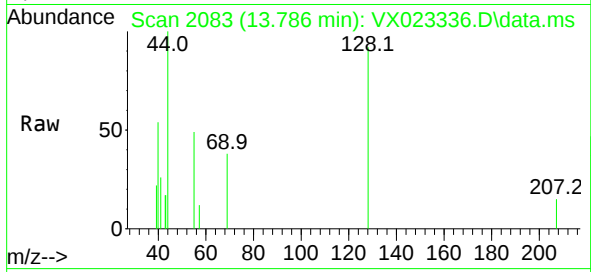
Tgt Ion: 75 Resp: 78727
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.328 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023336.D
Acq: 19 Jul 2021 13:00

Instrument :
MSVOA_X
ClientSampleId :
PB137749TB



Tgt Ion:	128	Resp:	577
Ion	Ratio	Lower	Upper
128	100		
127	3.6	10.3	15.5#
129	0.0	8.8	13.2#

