

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023347.D
 Acq On : 19 Jul 2021 17:37
 Operator : JC/MD
 Sample : PB137749ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#12

Quant Time: Jul 20 05:27:01 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)

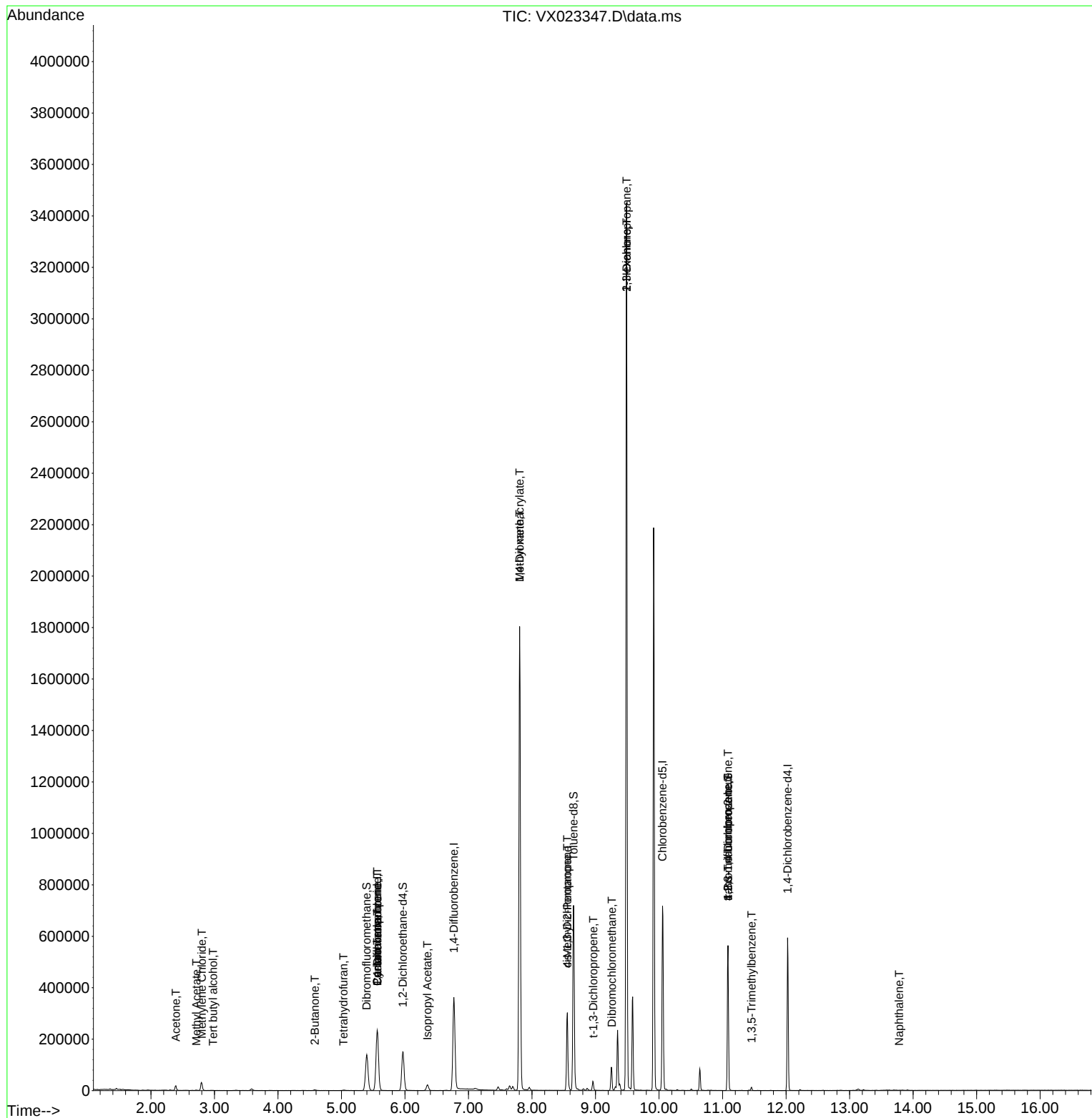
Internal Standards						
1) Pentafluorobenzene	5.562	168	215017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	357780	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156037	53.995	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.000%	
35) Dibromofluoromethane	5.397	113	117300	50.771	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.540%	
50) Toluene-d8	8.653	98	426033	49.433	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.860%	
62) 4-Bromofluorobenzene	11.085	95	154130	46.325	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	345	Below Cal	#	58
11) Tert butyl alcohol	2.977	59	540	0.888	ug/l #	73
16) Acetone	2.392	43	18867	16.502	ug/l	89
18) Methyl Acetate	2.715	43	1725	0.622	ug/l #	82
20) Methylene Chloride	2.800	84	14429	5.862	ug/l	94
25) 2-Butanone	4.580	43	4809	2.789	ug/l	91
29) Tetrahydrofuran	5.031	42	1448	1.307	ug/l #	59
31) Cyclohexane	5.562	56	4580	1.324	ug/l #	3
36) 1,1-Dichloropropene	5.562	75	16827	5.276	ug/l #	50
38) Carbon Tetrachloride	5.562	117	22298	6.698	ug/l #	16
43) Isopropyl Acetate	6.354	43	29625	5.119	ug/l	93
48) Methyl methacrylate	7.805	41	160077	56.369	ug/l #	38
49) 1,4-Dioxane	7.805	88	336	5.257	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	105913	29.533	ug/l #	44
53) t-1,3-Dichloropropene	8.964	75	27	2.743	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	46680	12.936	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	28716	6.903	ug/l #	43
59) 2-Hexanone	9.488	43	404012	146.827	ug/l #	43
60) Dibromochloromethane	9.256	129	26	3.121	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	72017	27.346	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	6006	0.757	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	72017	73.846	ug/l #	12
95) Naphthalene	13.780	128	274	1.303	ug/l #	69

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

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Response via : Initial Calibration

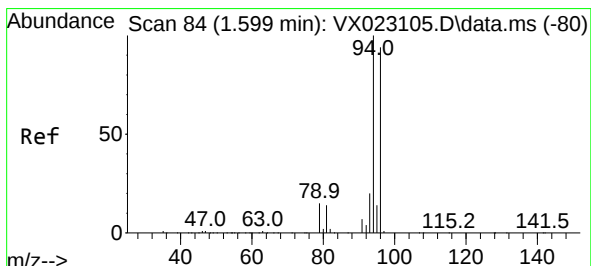
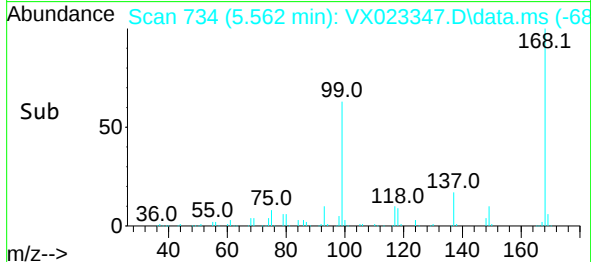
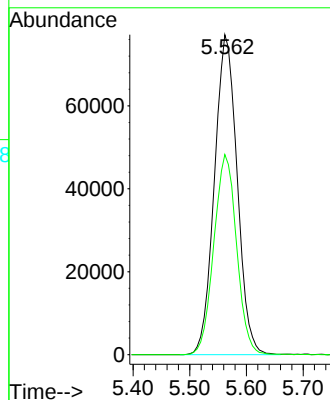
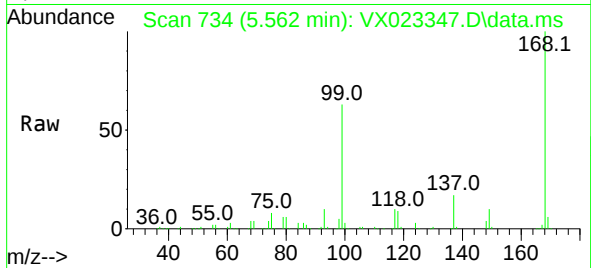




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

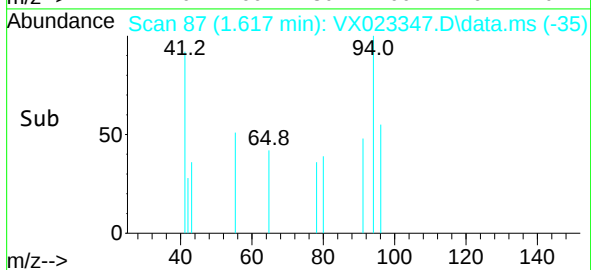
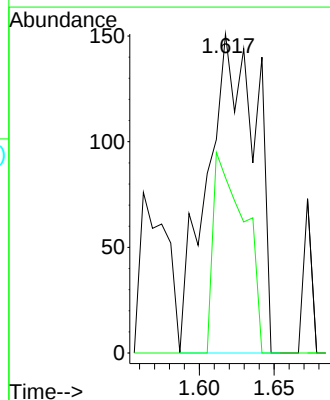
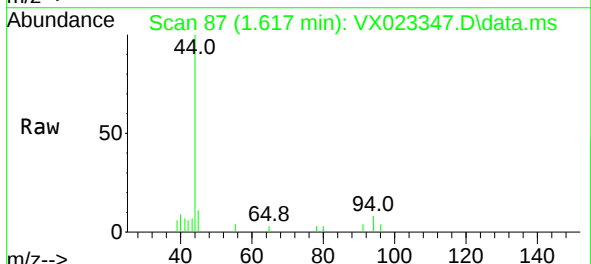
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

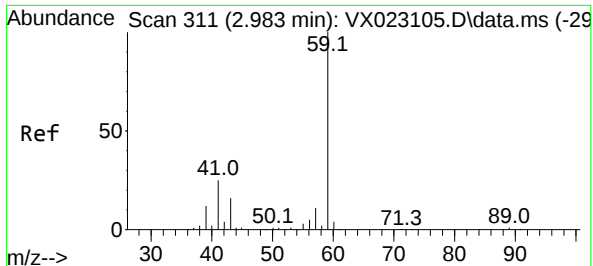
Tgt Ion:168 Resp: 215017
Ion Ratio Lower Upper
168 100
99 62.5 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 55.0 76.4 114.6#

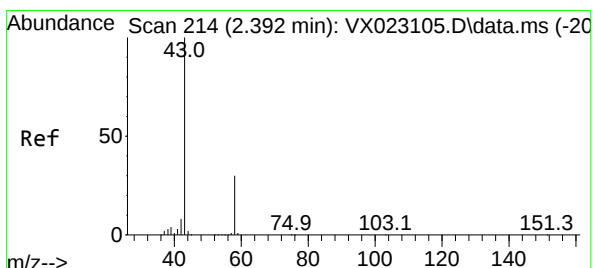
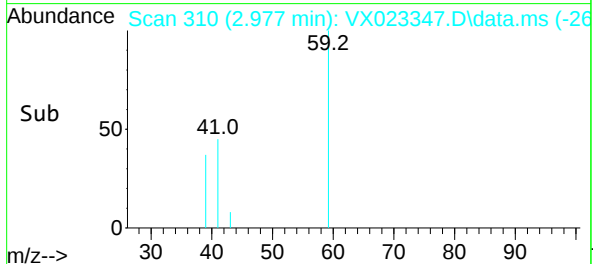
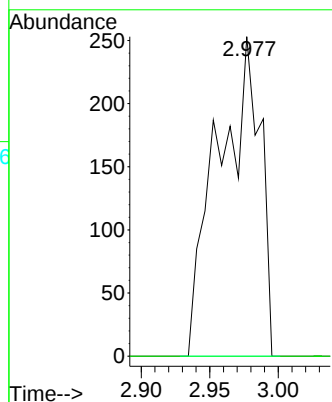
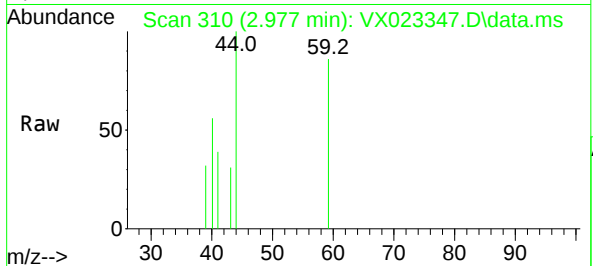




#11
Tert butyl alcohol
Concen: 0.888 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

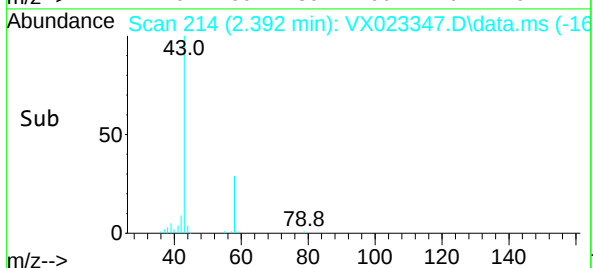
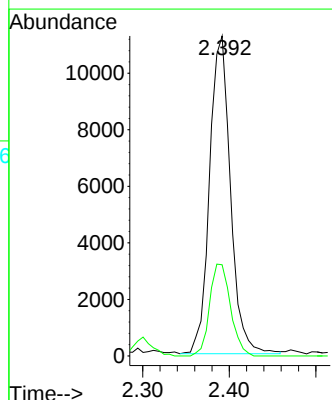
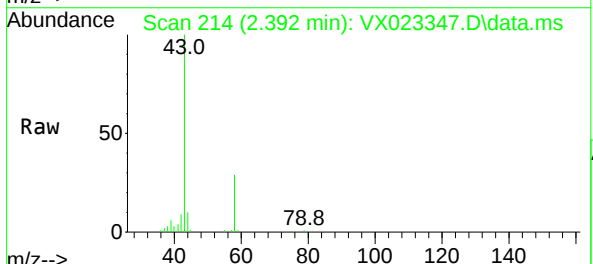
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

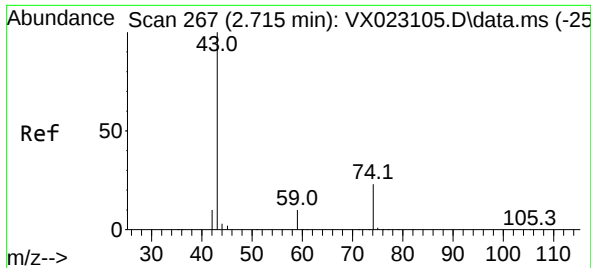
Tgt Ion: 59 Resp: 540
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 16.502 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 43 Resp: 18867
Ion Ratio Lower Upper
43 100
58 28.7 27.8 41.8

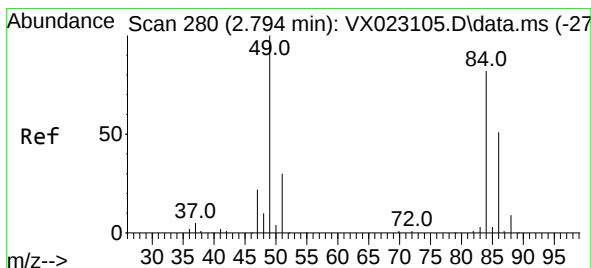
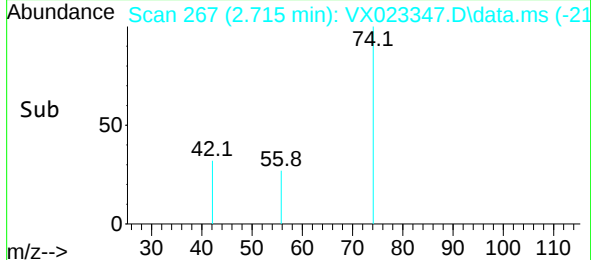
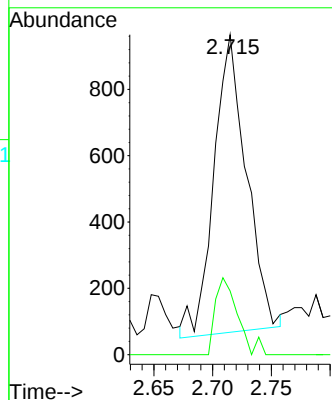
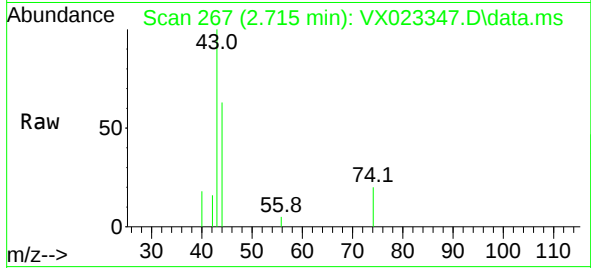




#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

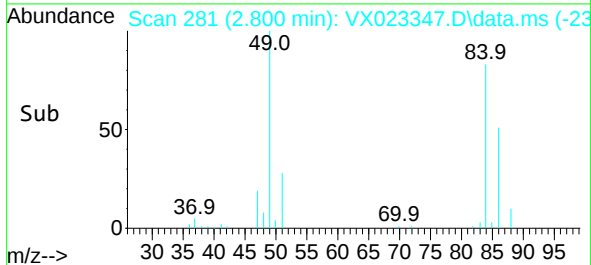
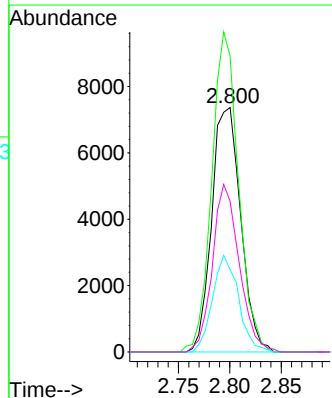
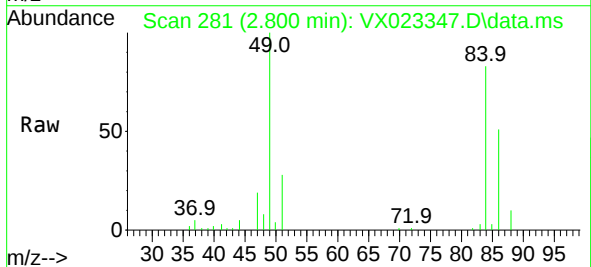
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

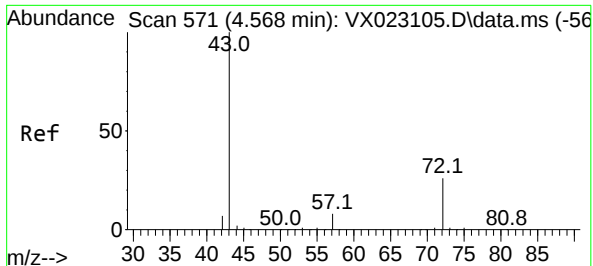
Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
74 17.8 21.9 32.9#



#20
Methylene Chloride
Concen: 5.862 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 84 Resp: 14429
Ion Ratio Lower Upper
84 100
49 120.9 88.6 132.8
51 33.6 27.0 40.6
86 61.6 50.3 75.5

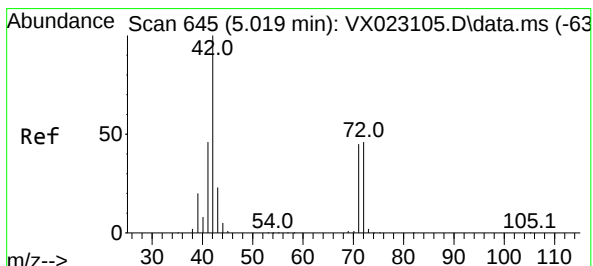
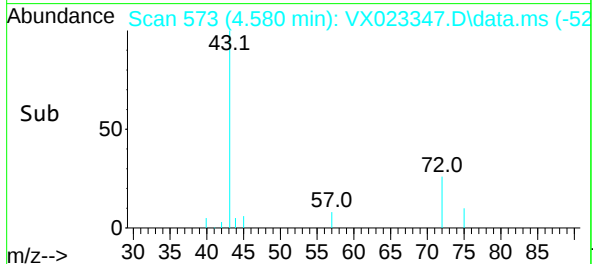
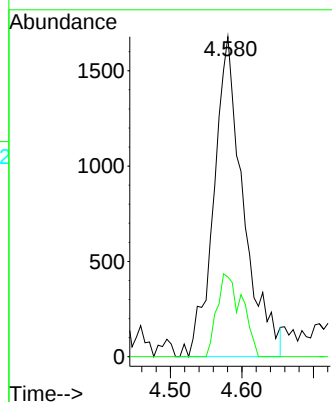
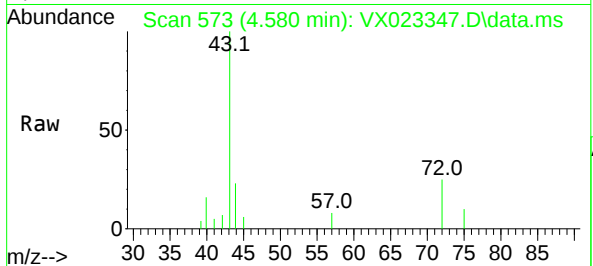




#25
2-Butanone
Concen: 2.789 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

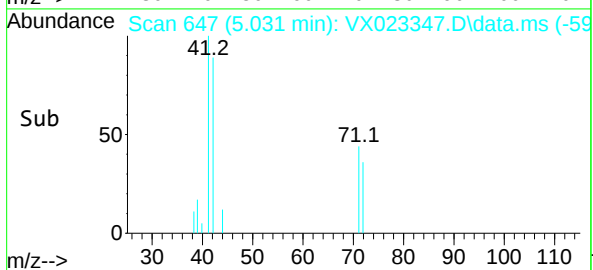
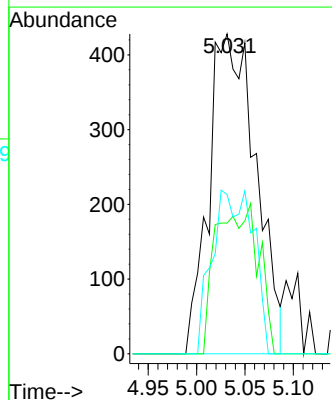
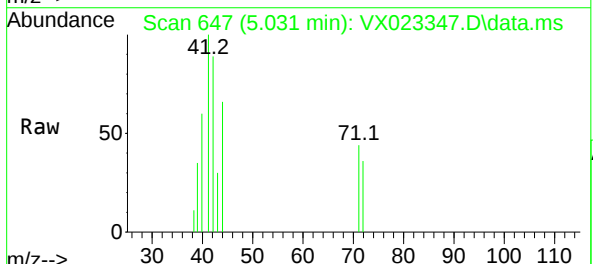
Instrument :
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ClientSampleId :
PB137749ZHE#12

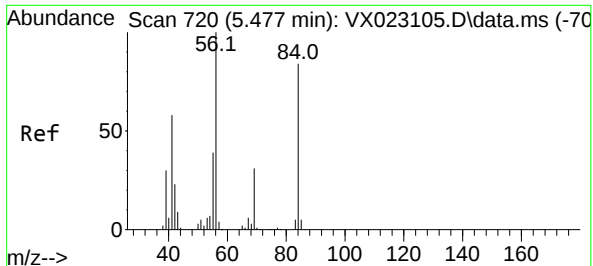
Tgt Ion: 43 Resp: 4809
Ion Ratio Lower Upper
43 100
72 24.9 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.307 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

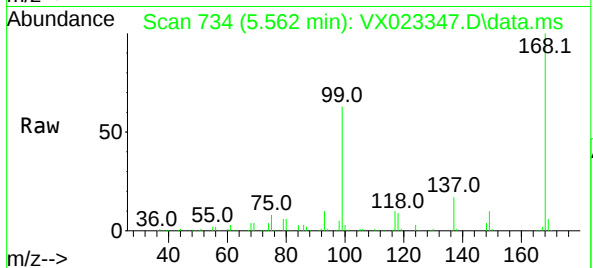
Tgt Ion: 42 Resp: 1448
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 44.9 38.4 57.6



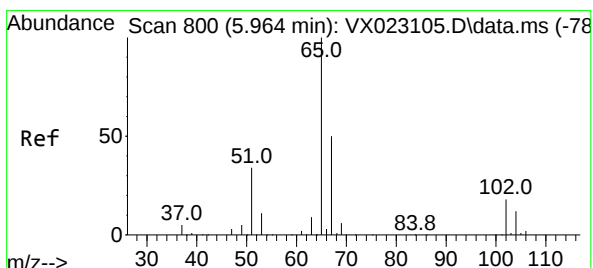
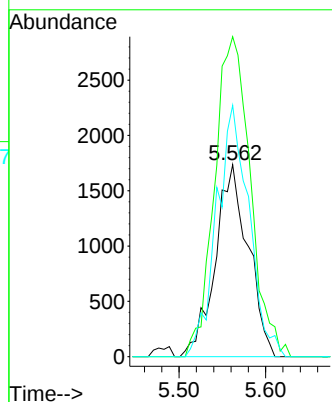
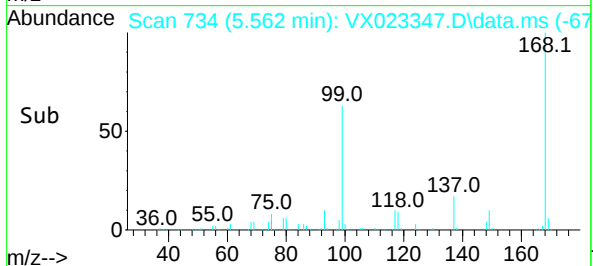


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

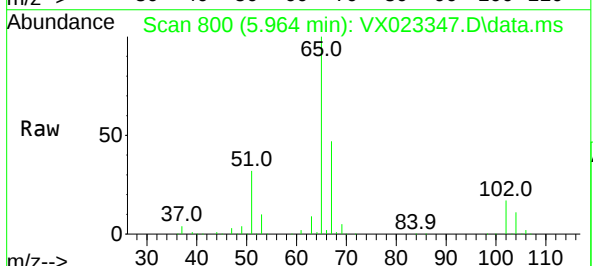
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MSVOA_X
ClientSampleId :
PB137749ZHE#12



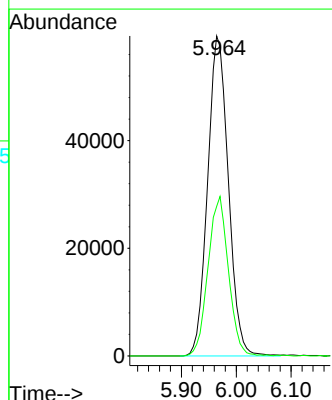
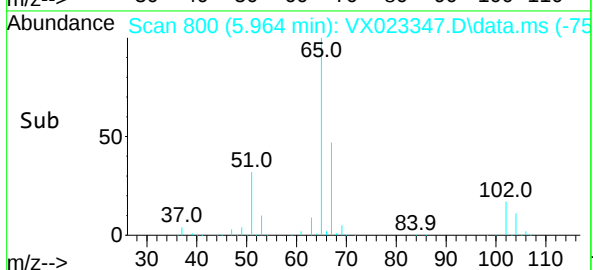
Tgt Ion: 56 Resp: 4580
Ion Ratio Lower Upper
56 100
69 166.6 25.3 37.9#
84 130.9 71.4 107.0#

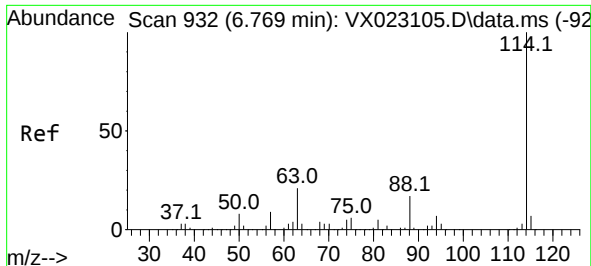


#33
1,2-Dichloroethane-d4
Concen: 53.995 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37



Tgt Ion: 65 Resp: 156037
Ion Ratio Lower Upper
65 100
67 49.1 0.0 105.4

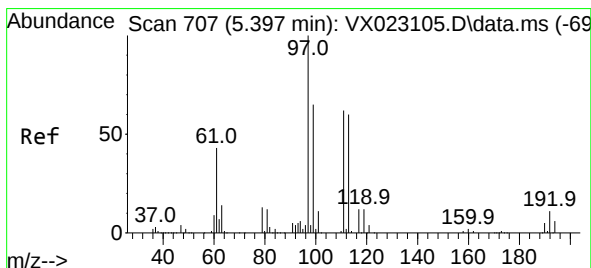
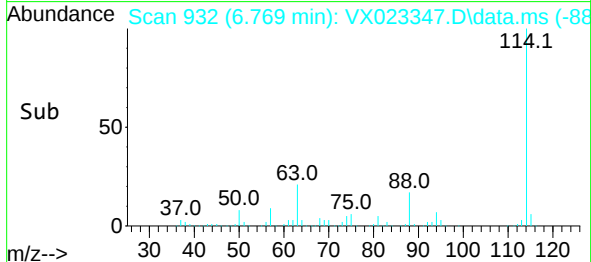
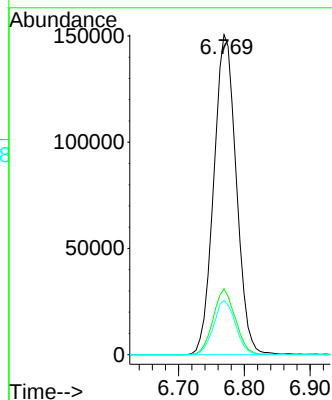
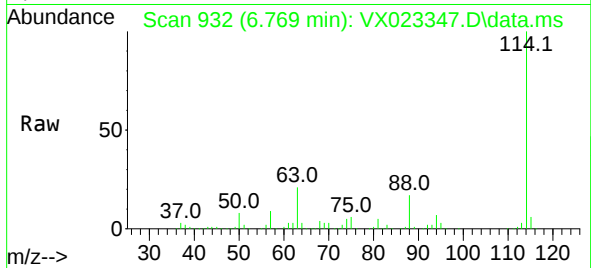




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

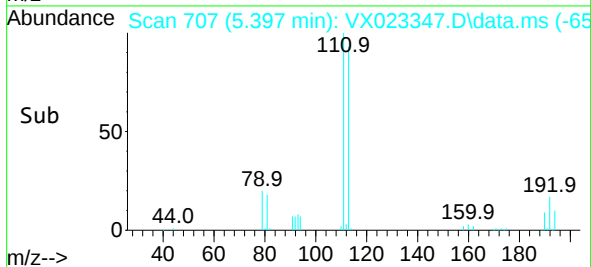
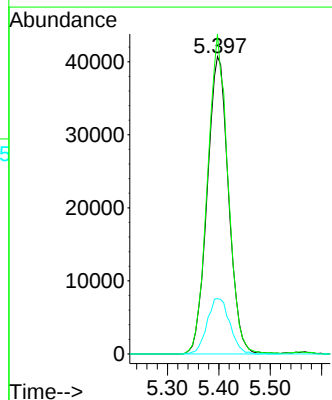
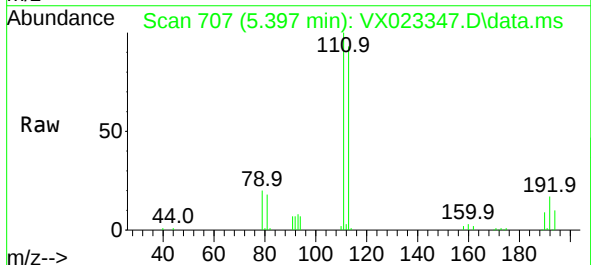
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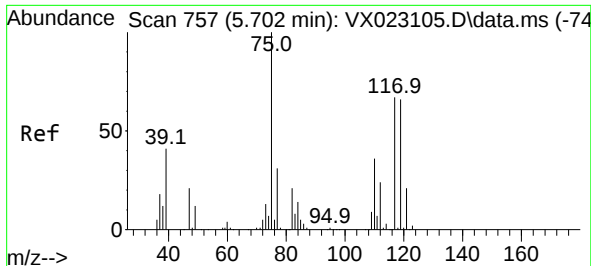
Tgt Ion:114 Resp: 357780
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.771 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

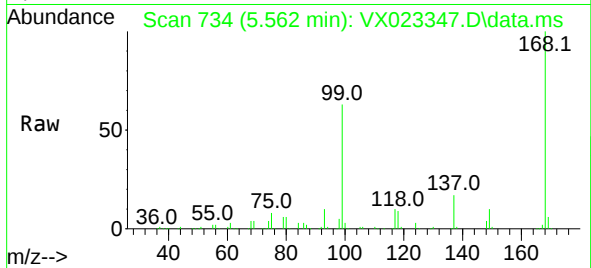
Tgt Ion:113 Resp: 117300
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.7 16.7 25.1



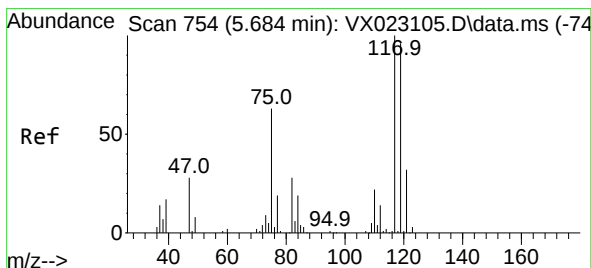
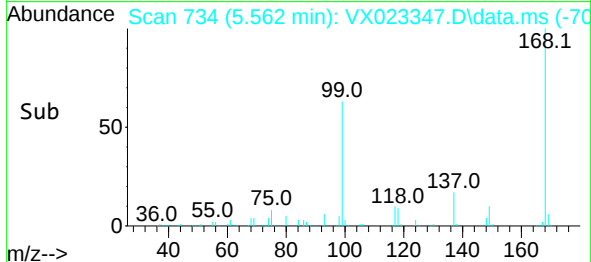
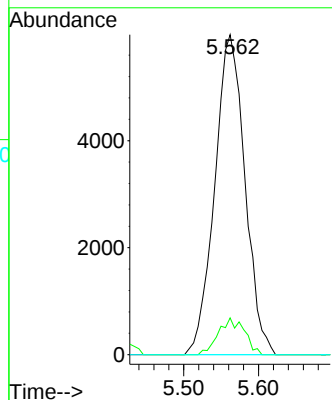


#36
1,1-Dichloropropene
Concen: 5.276 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

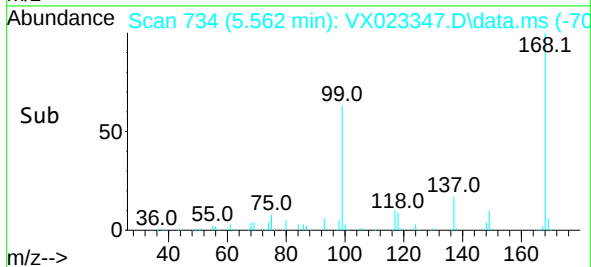
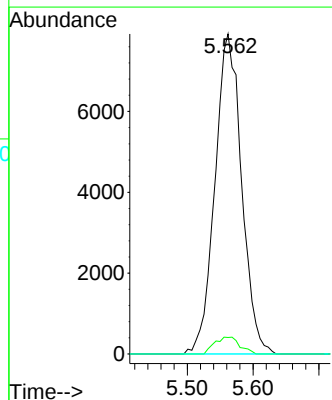
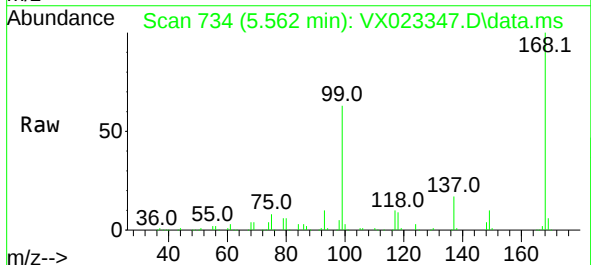


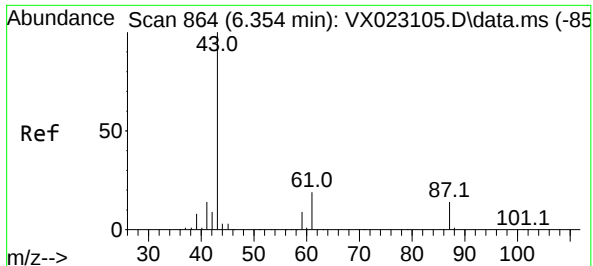
Tgt Ion: 75 Resp: 16827
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.698 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 117 Resp: 22298
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

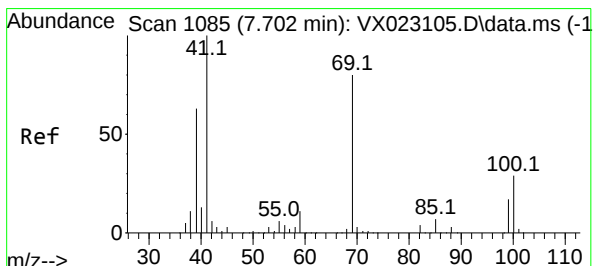
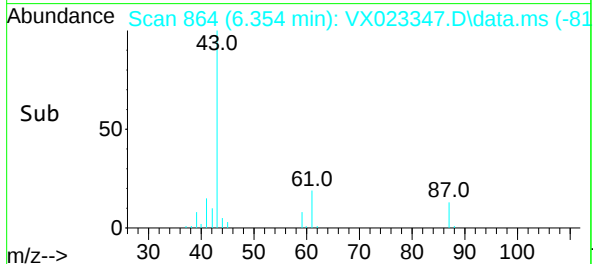
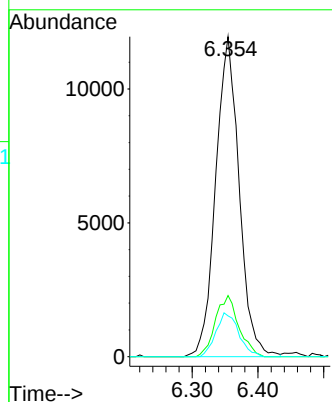
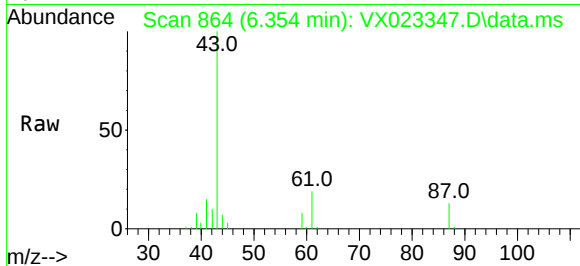




#43
Isopropyl Acetate
Concen: 5.119 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

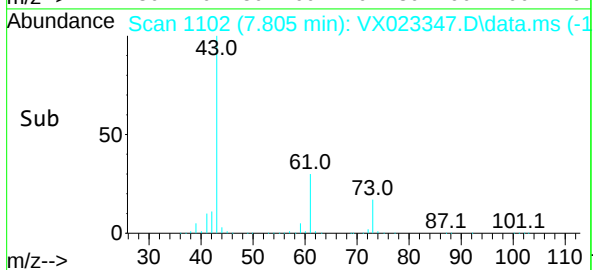
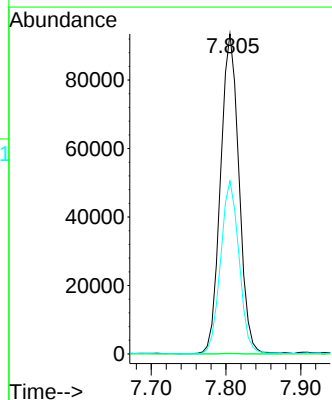
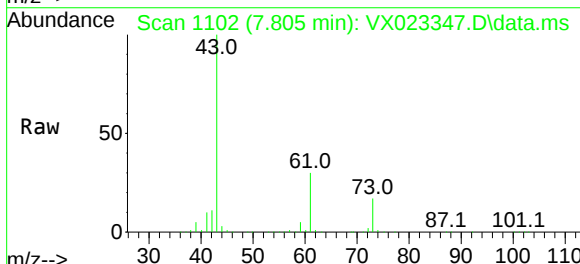
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

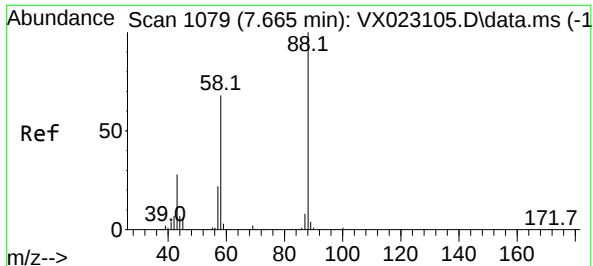
Tgt Ion:	43	Resp:	29625
Ion	Ratio	Lower	Upper
43	100		
61	19.0	18.2	27.4
87	13.4	12.5	18.7



#48
Methyl methacrylate
Concen: 56.369 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion:	41	Resp:	160077
Ion	Ratio	Lower	Upper
41	100		
69	0.2	76.0	114.0#
39	54.4	44.6	67.0

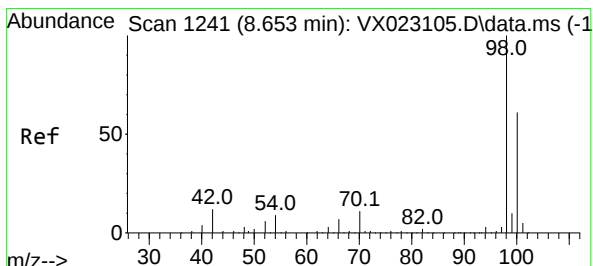
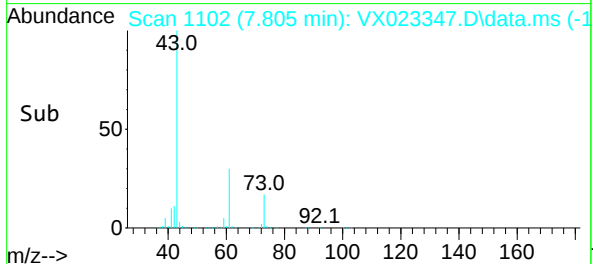
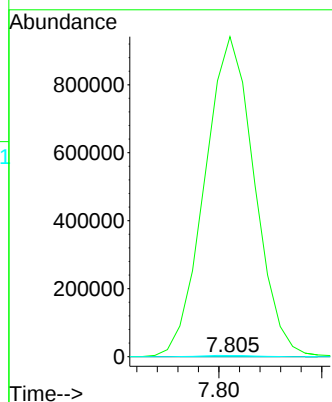
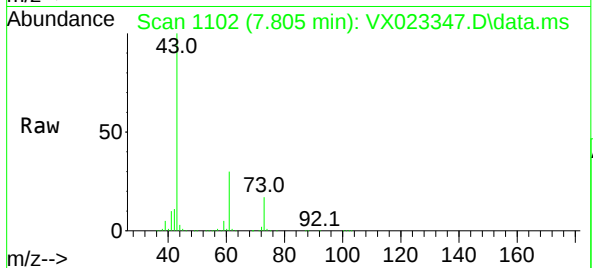




#49
1,4-Dioxane
Concen: 5.257 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

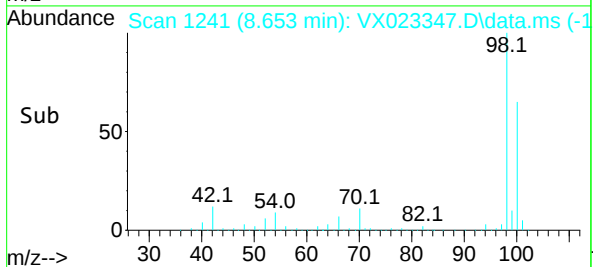
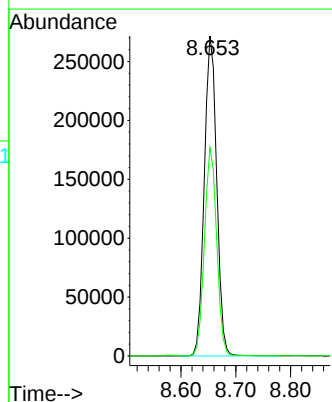
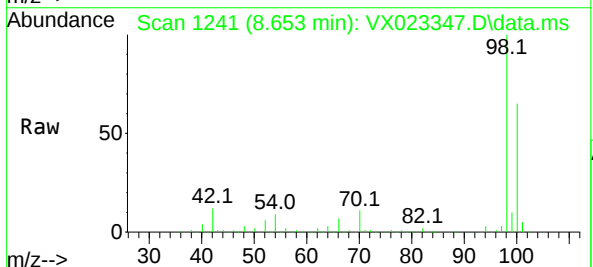
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

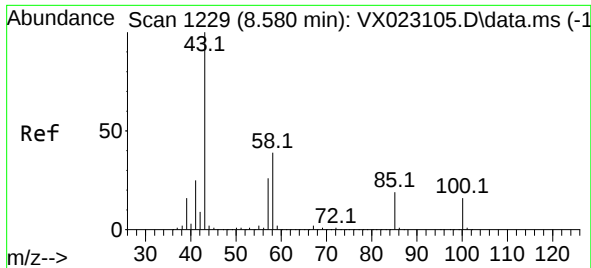
Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
43 473752.4 23.2 34.8#
58 1936.3 55.0 82.4#



#50
Toluene-d8
Concen: 49.433 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 98 Resp: 426033
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

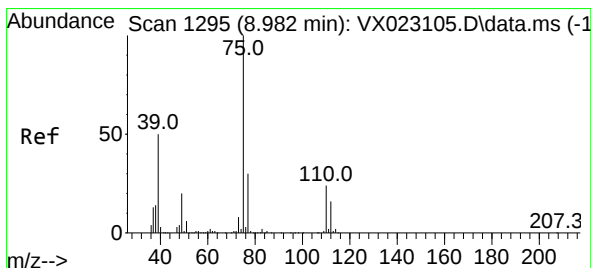
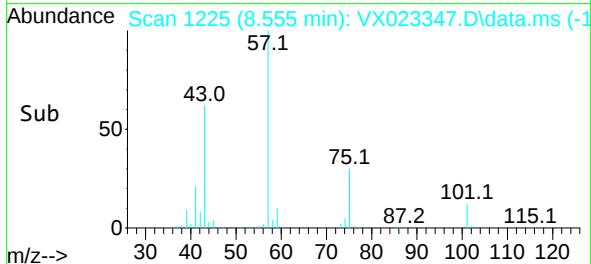
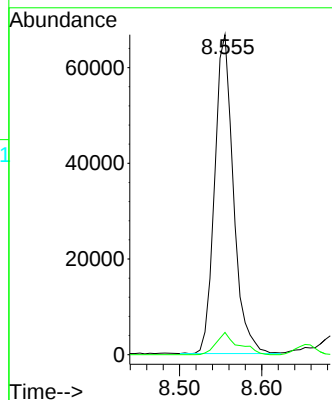
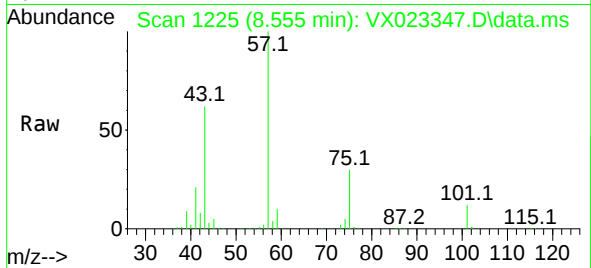




#51
4-Methyl-2-Pentanone
Concen: 29.533 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

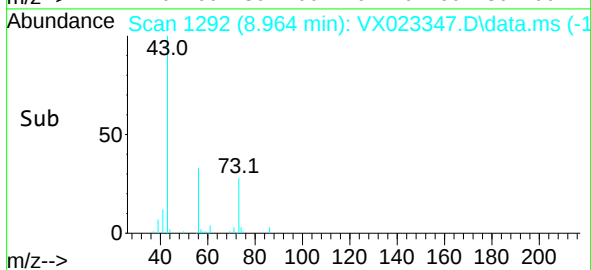
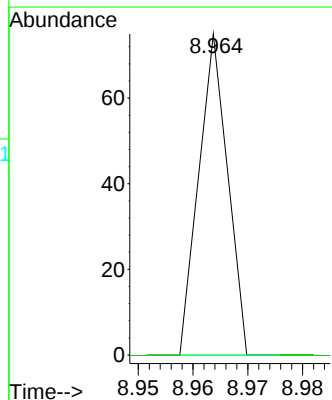
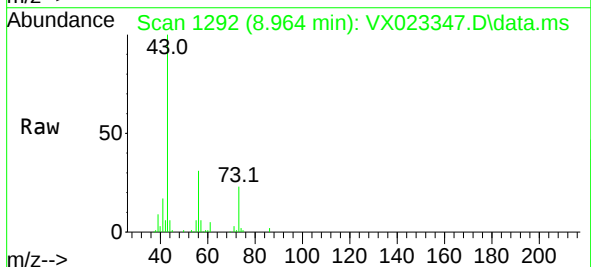
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

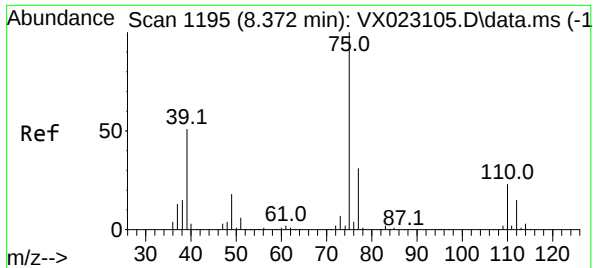
Tgt Ion: 43 Resp: 105913
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.743 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

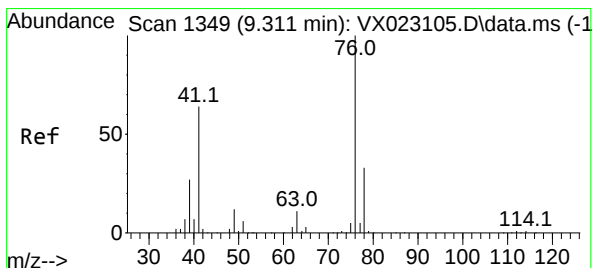
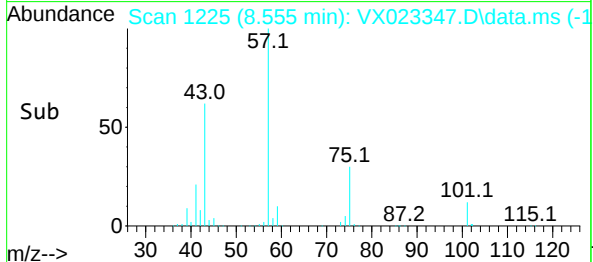
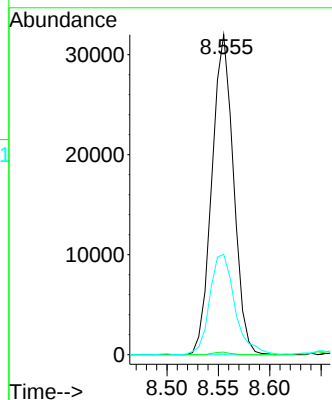
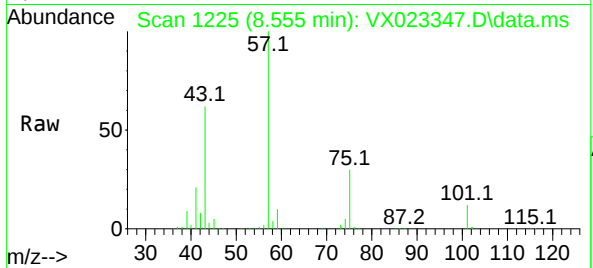




#54
cis-1,3-Dichloropropene
Concen: 12.936 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

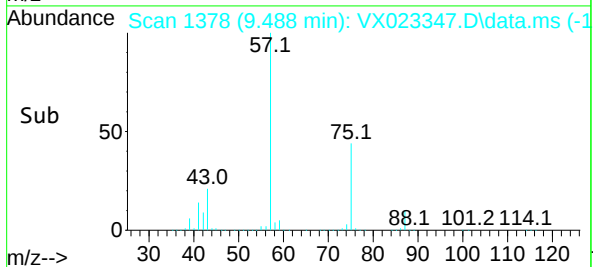
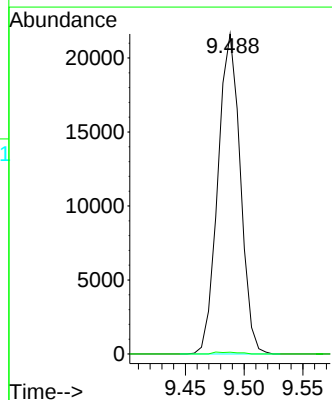
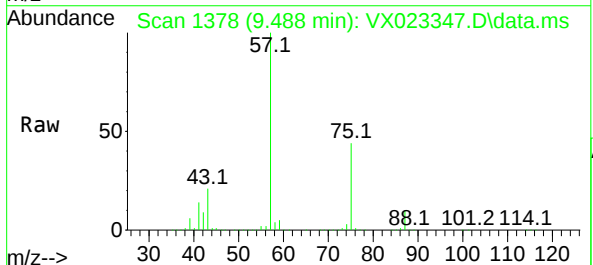
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

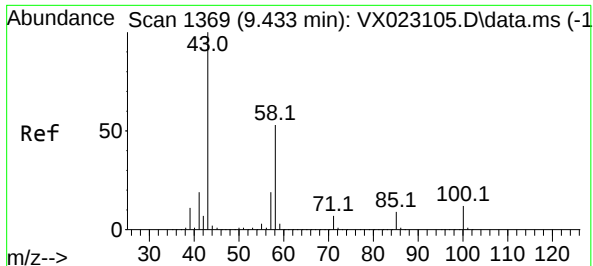
Tgt Ion: 75 Resp: 46680
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 31.3 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.903 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 76 Resp: 28716
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#





#59

2-Hexanone

Concen: 146.827 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX023347.D

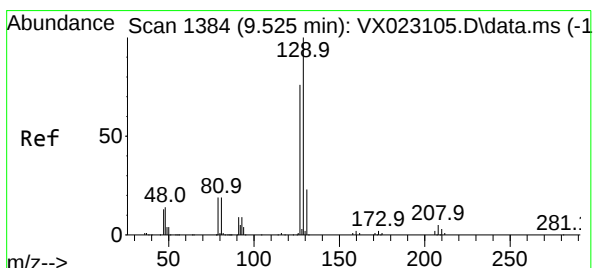
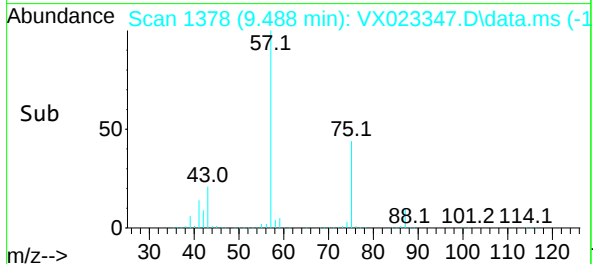
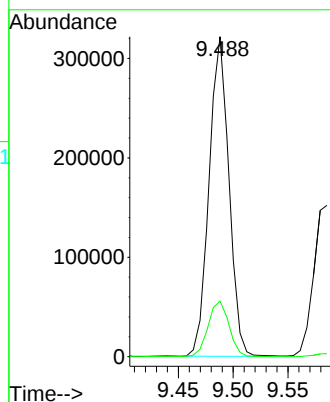
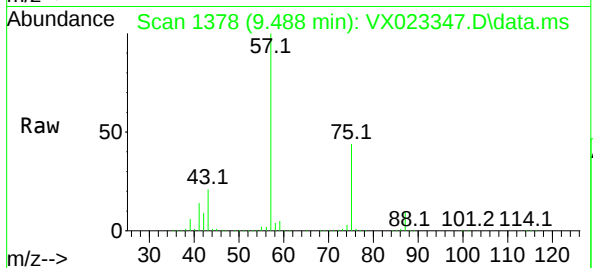
Acq: 19 Jul 2021 17:37

Tgt Ion: 43 Resp: 404012

Ion Ratio Lower Upper

43 100

58 18.4 30.9 92.8#



#60

Dibromochloromethane

Concen: 3.121 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.269 min

Lab File: VX023347.D

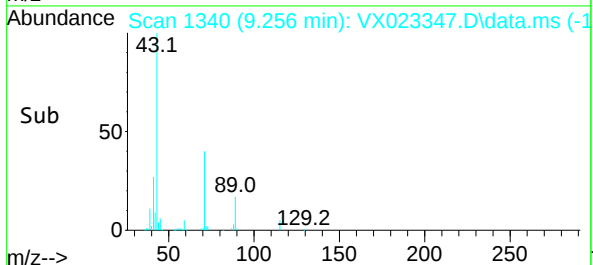
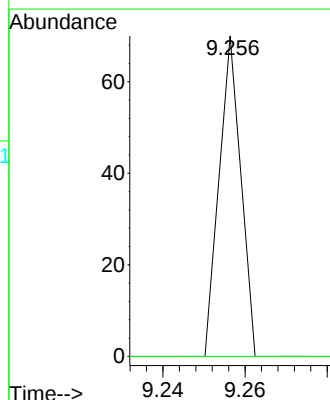
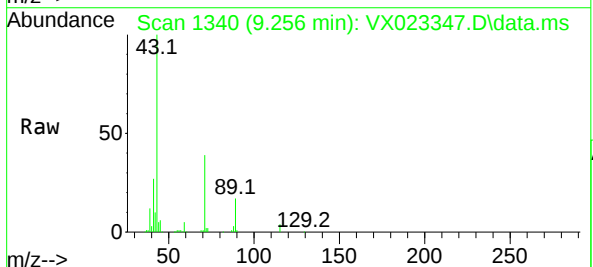
Acq: 19 Jul 2021 17:37

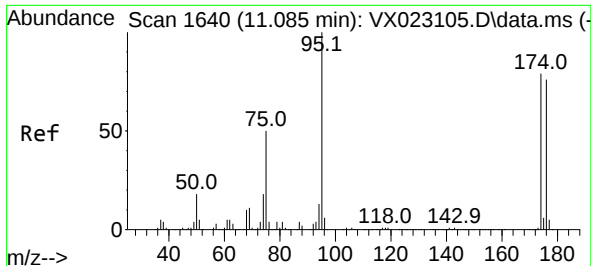
Tgt Ion: 129 Resp: 26

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

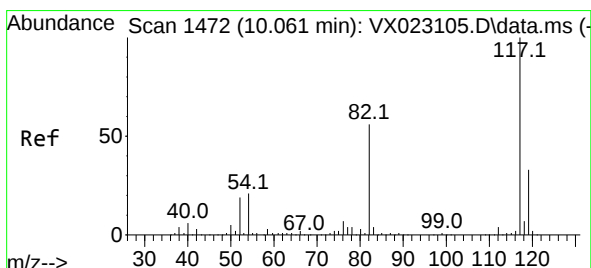
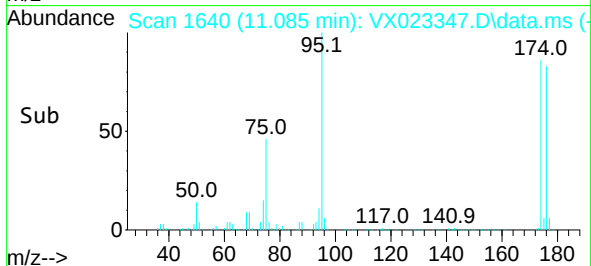
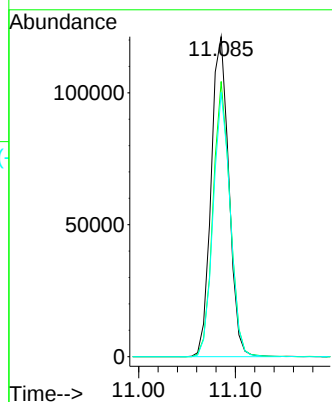
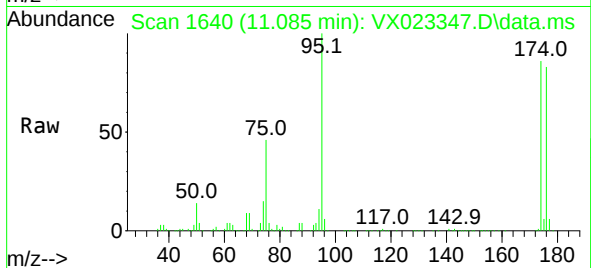




#62
4-Bromofluorobenzene
Concen: 46.325 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

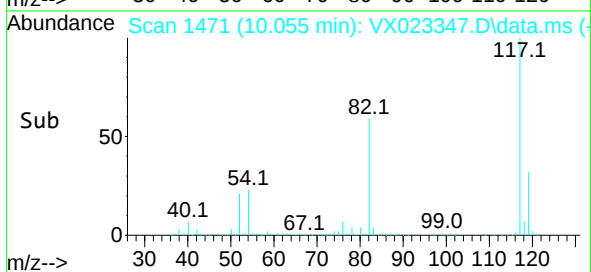
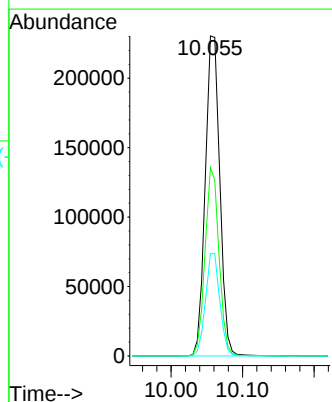
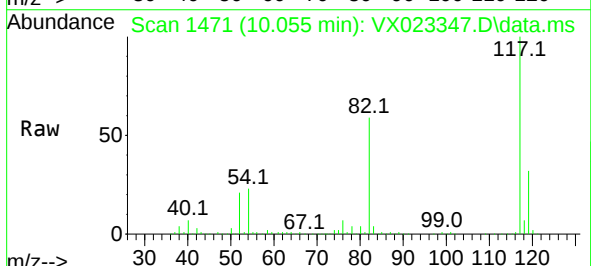
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12

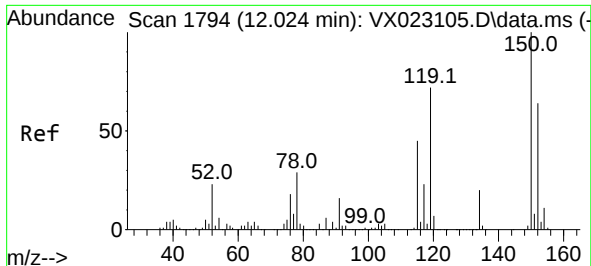
Tgt Ion: 95 Resp: 154130
Ion Ratio Lower Upper
95 100
174 82.6 0.0 154.6
176 79.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Tgt Ion: 117 Resp: 326416
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.9 26.6 39.8

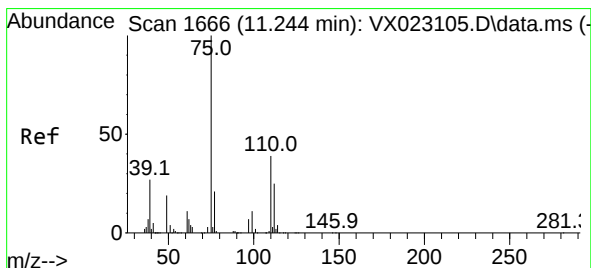
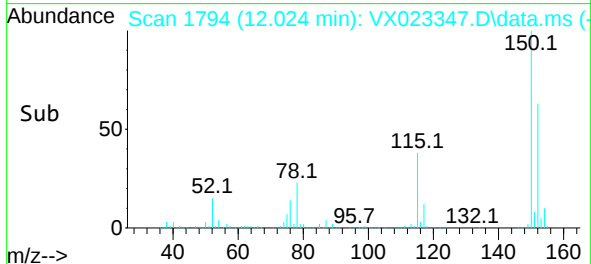
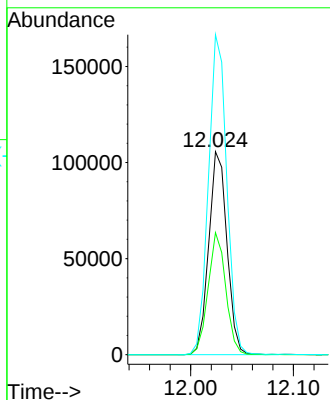
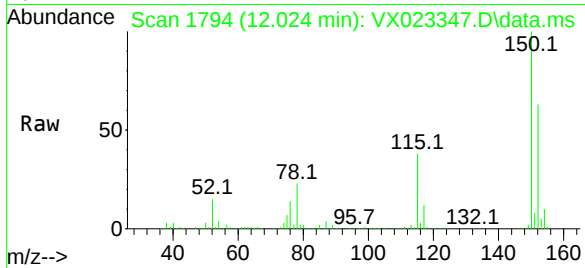




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023347.D
 Acq: 19 Jul 2021 17:37

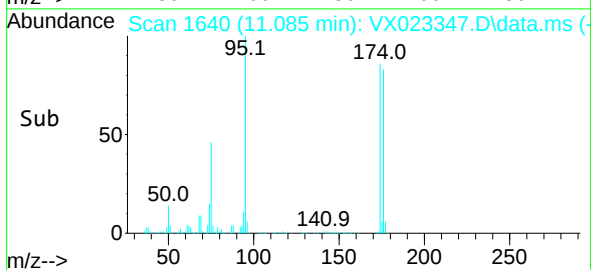
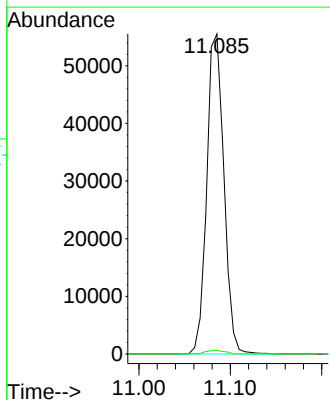
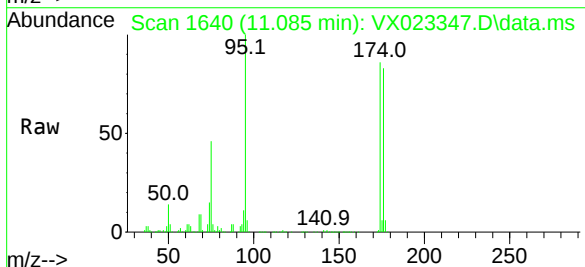
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#12

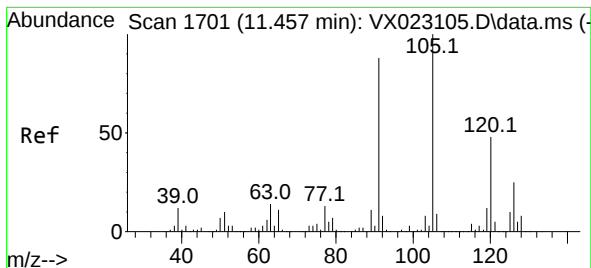
Tgt Ion:152 Resp: 130870
 Ion Ratio Lower Upper
 152 100
 115 58.2 41.1 123.3
 150 158.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.346 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023347.D
 Acq: 19 Jul 2021 17:37

Tgt Ion: 75 Resp: 72017
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.757 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VX023347.D

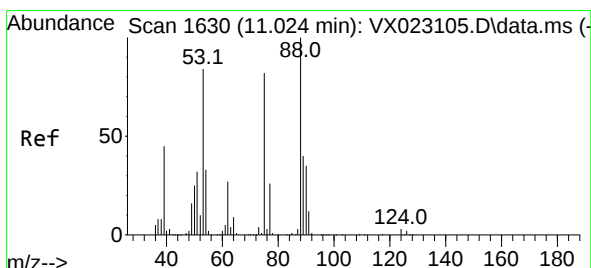
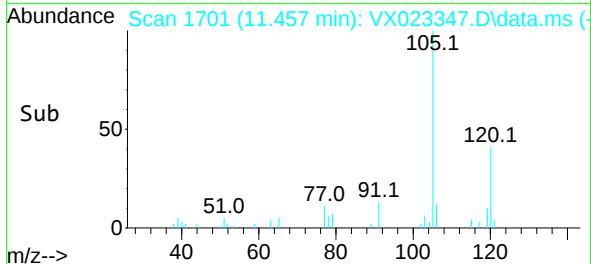
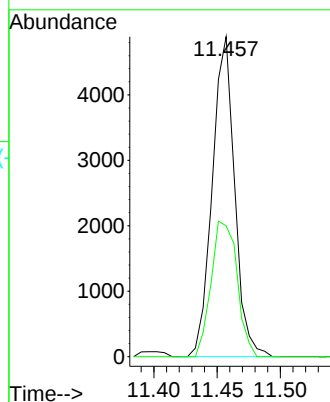
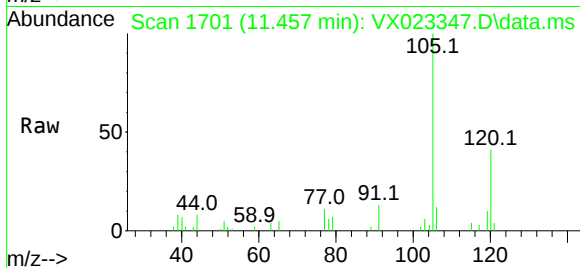
Acq: 19 Jul 2021 17:37

Tgt Ion:105 Resp: 6006

Ion Ratio Lower Upper

105 100

120 49.0 23.8 71.5



#81

trans-1,4-Dichloro-2-butene

Concen: 73.846 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX023347.D

Acq: 19 Jul 2021 17:37

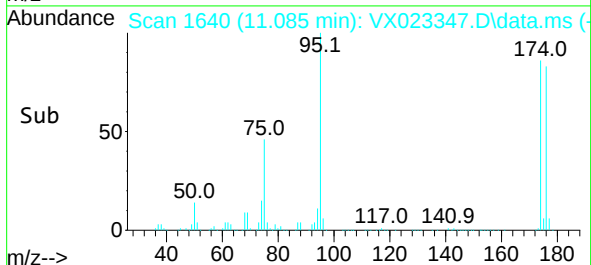
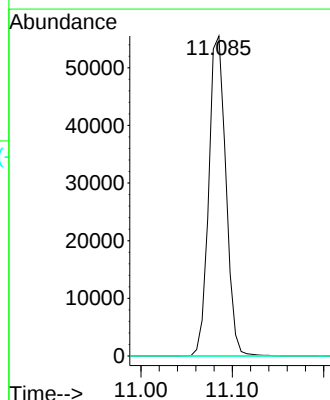
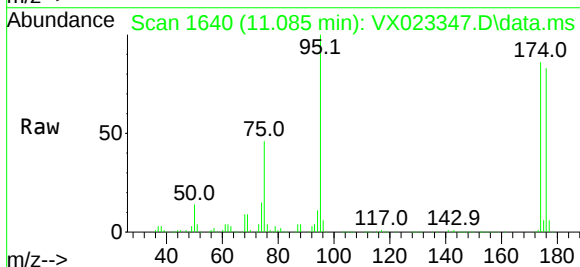
Tgt Ion: 75 Resp: 72017

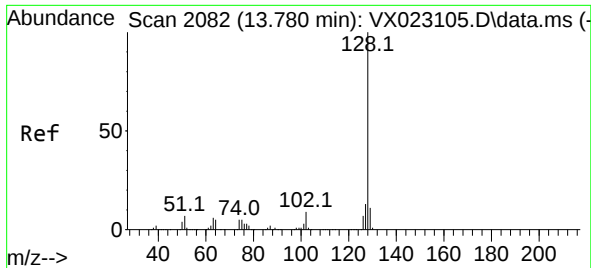
Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

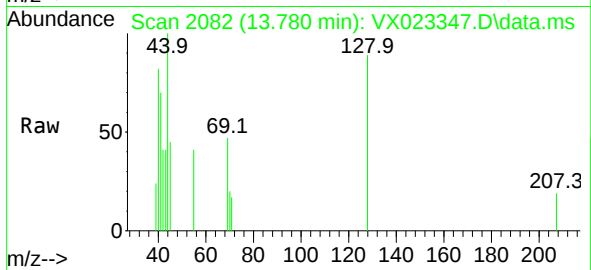
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.303 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023347.D
Acq: 19 Jul 2021 17:37

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#12



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

