

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023346.D
 Acq On : 19 Jul 2021 17:14
 Operator : JC/MD
 Sample : PB137749ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#11

Quant Time: Jul 20 05:26:42 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)

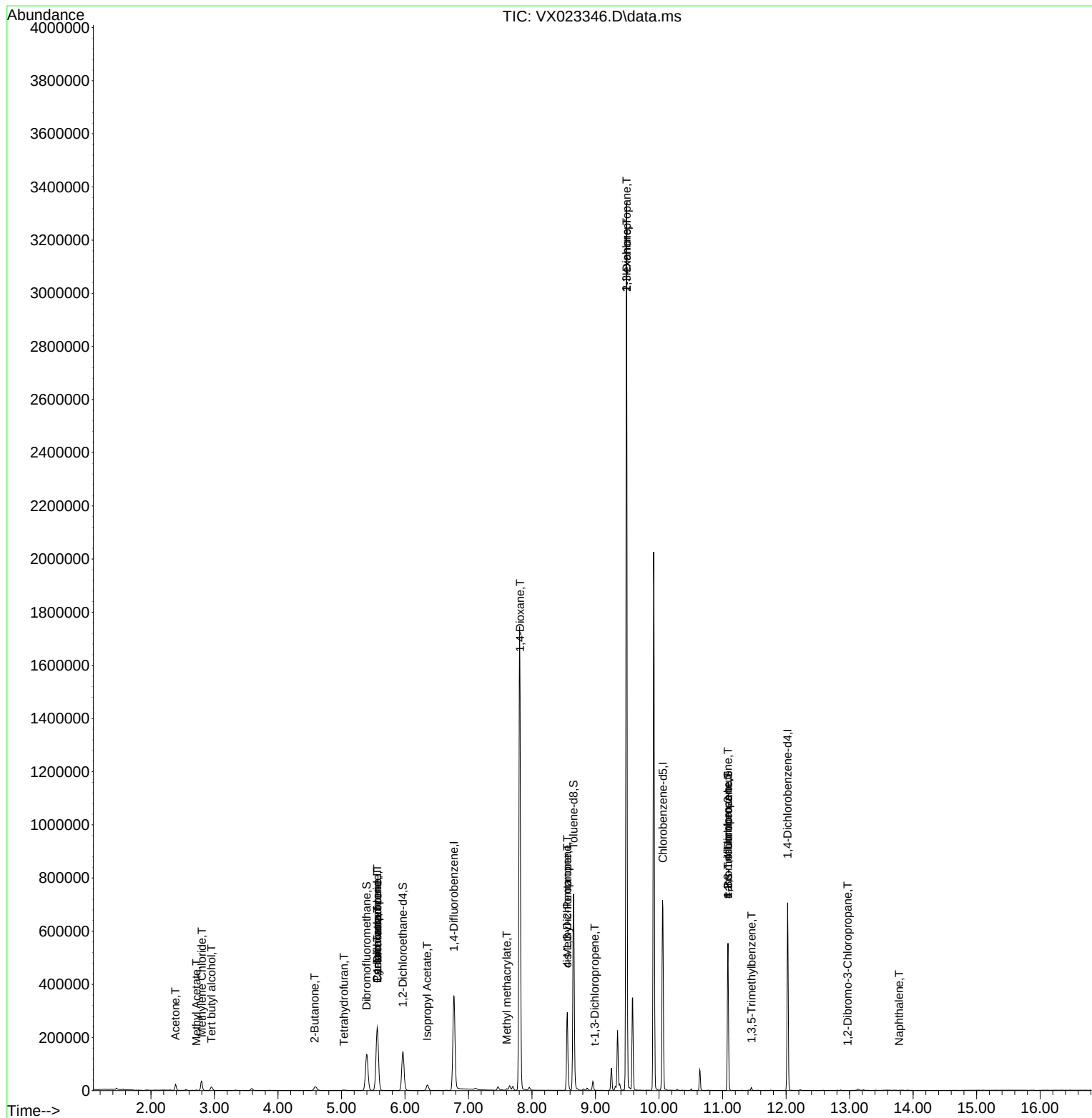
Internal Standards						
1) Pentafluorobenzene	5.562	168	217202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	357156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	328489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	150594	51.588	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.180%			
35) Dibromofluoromethane	5.397	113	117359	50.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.760%			
50) Toluene-d8	8.653	98	431832	50.194	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.380%			
62) 4-Bromofluorobenzene	11.085	95	147225	44.327	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.660%			
Target Compounds					Qvalue	
5) Bromomethane	1.581	94	35	Below Cal	#	2
11) Tert butyl alcohol	2.953	59	8255	13.442	ug/l #	77
16) Acetone	2.386	43	22157	19.185	ug/l	94
18) Methyl Acetate	2.715	43	1953	0.697	ug/l	91
20) Methylene Chloride	2.800	84	15907	6.397	ug/l	92
25) 2-Butanone	4.574	43	5550	3.187	ug/l	91
29) Tetrahydrofuran	5.038	42	1767	1.578	ug/l #	74
31) Cyclohexane	5.562	56	4715	1.349	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17139	5.383	ug/l #	50
38) Carbon Tetrachloride	5.562	117	23279	7.005	ug/l #	17
43) Isopropyl Acetate	6.348	43	28289	4.897	ug/l	94
48) Methyl methacrylate	7.604	41	7783	2.745	ug/l #	10
49) 1,4-Dioxane	7.812	88	302	4.733	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	101641	28.391	ug/l #	45
53) t-1,3-Dichloropropene	8.988	75	21	2.741	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	45958	12.788	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	28237	6.800	ug/l #	43
59) 2-Hexanone	9.488	43	384395	139.942	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	66914	23.584	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	4593	0.537	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	66914	64.344	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.969	75	22	2.597	ug/l #	1
95) Naphthalene	13.780	128	447	1.317	ug/l #	69

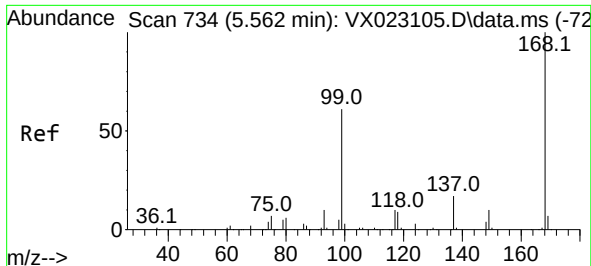
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

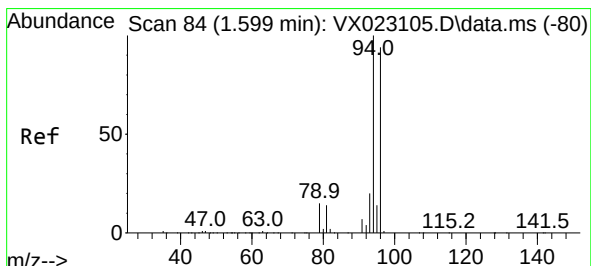
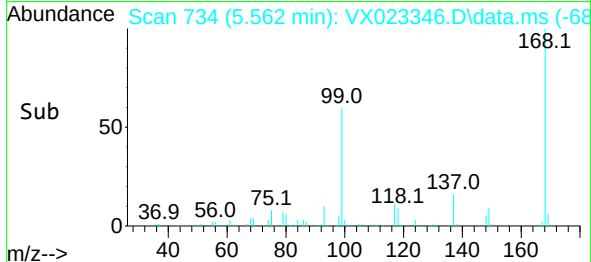
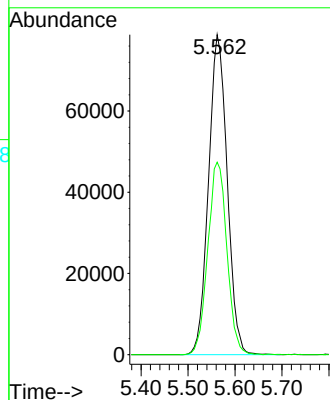
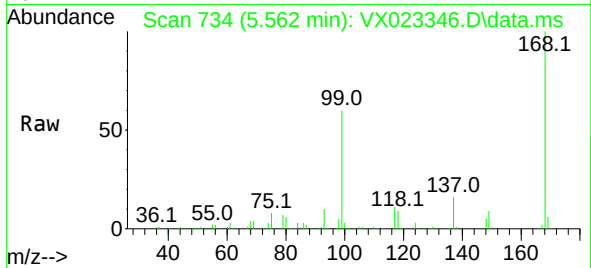




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

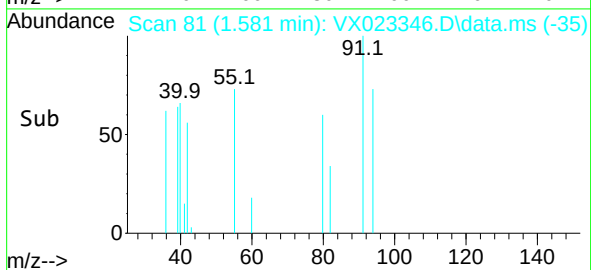
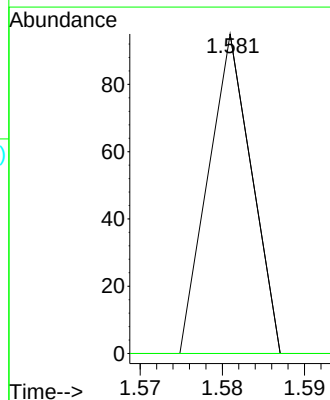
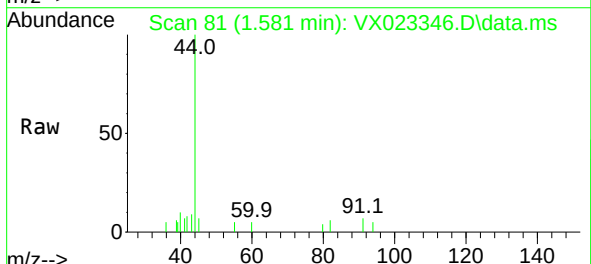
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

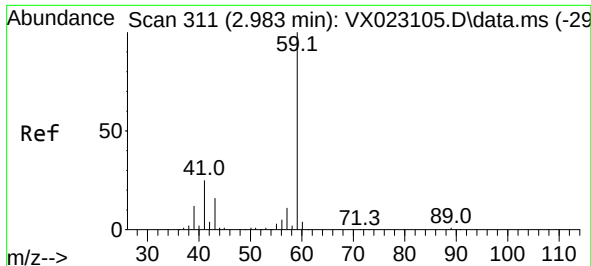
Tgt Ion:168 Resp: 217202
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 94 Resp: 35
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

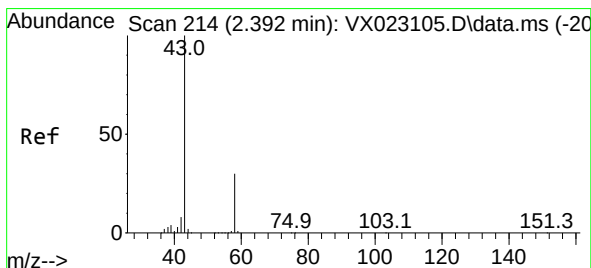
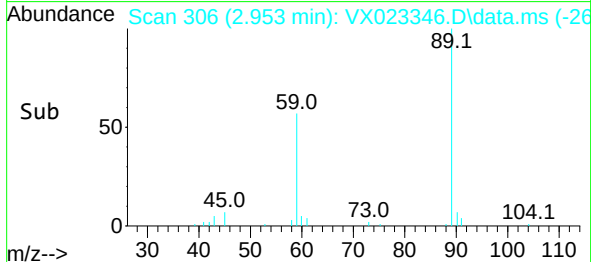
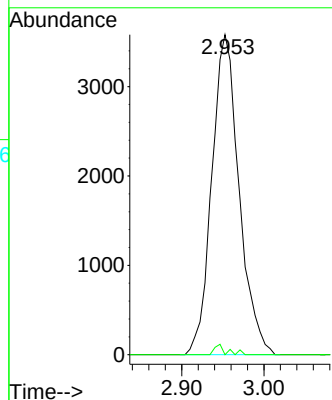
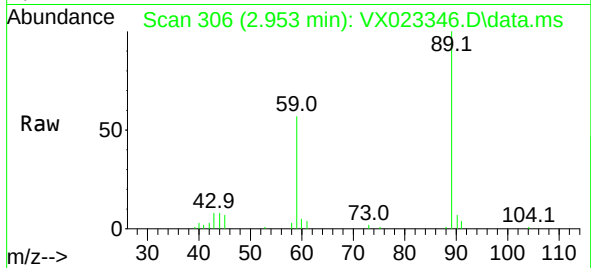




#11
Tert butyl alcohol
Concen: 13.442 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

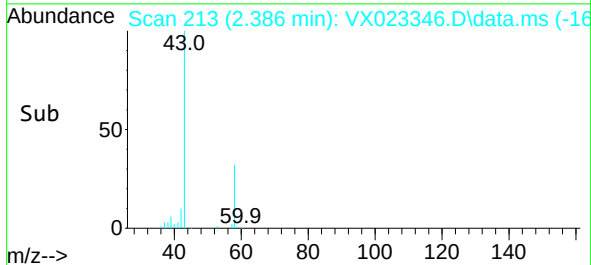
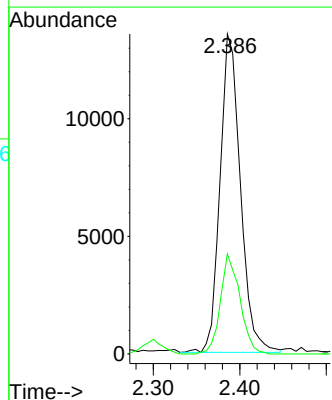
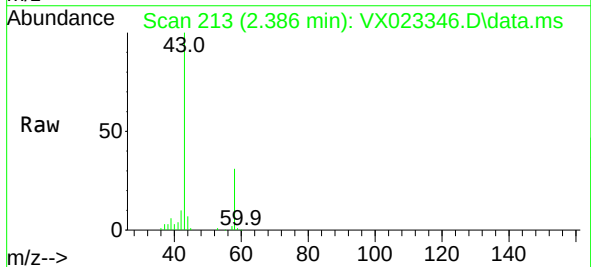
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

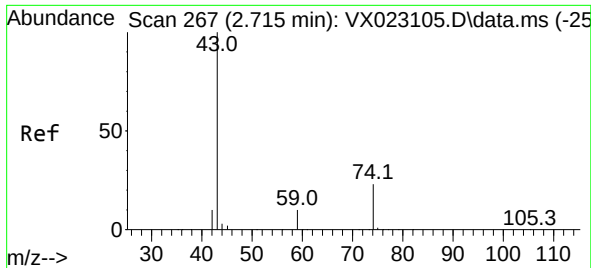
Tgt Ion: 59 Resp: 8255
Ion Ratio Lower Upper
59 100
57 1.4 7.8 11.8#



#16
Acetone
Concen: 19.185 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 43 Resp: 22157
Ion Ratio Lower Upper
43 100
58 31.5 27.8 41.8

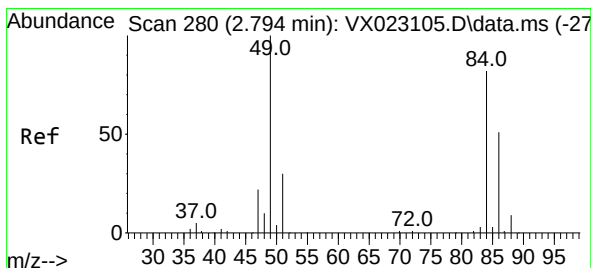
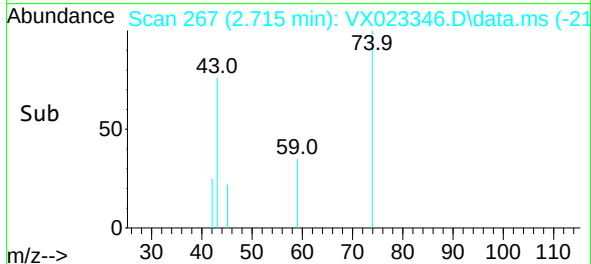
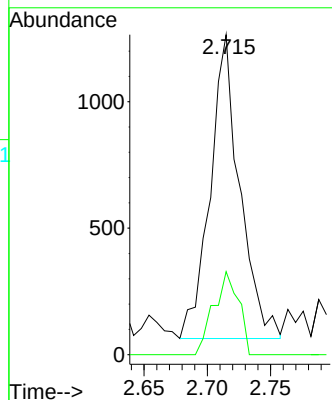
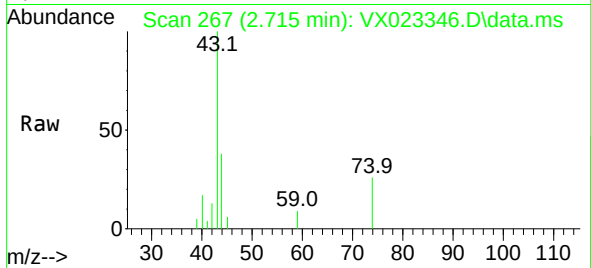




#18
Methyl Acetate
Concen: 0.697 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

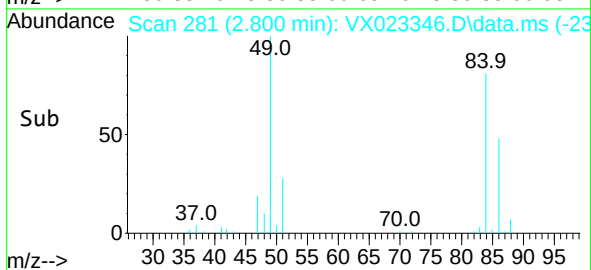
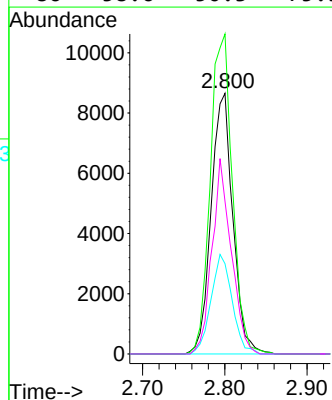
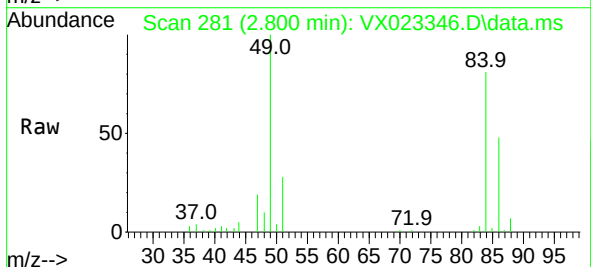
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

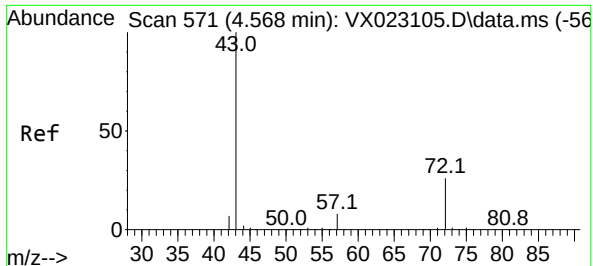
Tgt Ion: 43 Resp: 1953
Ion Ratio Lower Upper
43 100
74 22.9 21.9 32.9



#20
Methylene Chloride
Concen: 6.397 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 84 Resp: 15907
Ion Ratio Lower Upper
84 100
49 122.7 88.6 132.8
51 34.6 27.0 40.6
86 58.6 50.3 75.5





#25

2-Butanone

Concen: 3.187 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023346.D

Acq: 19 Jul 2021 17:14

Tgt Ion: 43 Resp: 5550

Ion Ratio Lower Upper

43 100

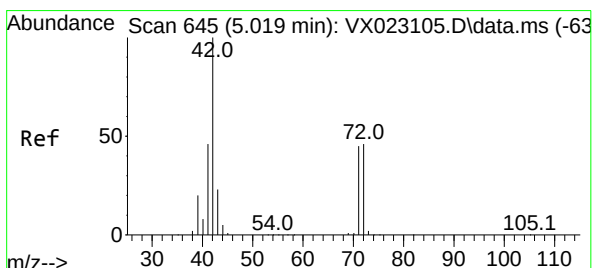
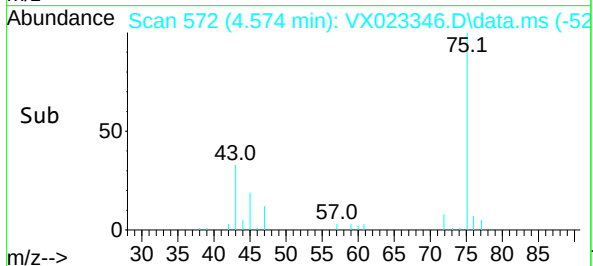
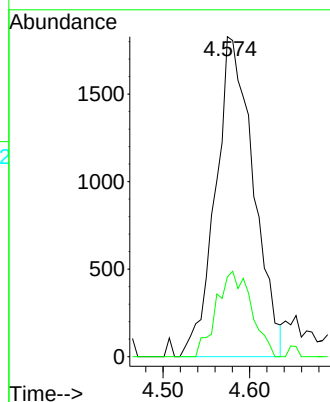
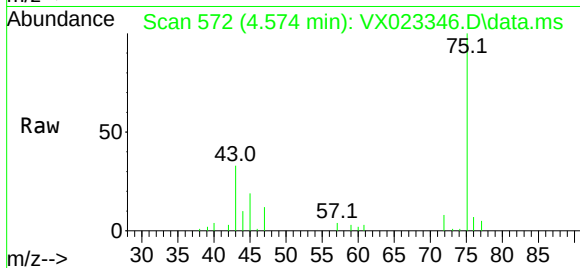
72 24.9 23.7 35.5

Instrument :

MSVOA_X

ClientSampleId :

PB137749ZHE#11



#29

Tetrahydrofuran

Concen: 1.578 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023346.D

Acq: 19 Jul 2021 17:14

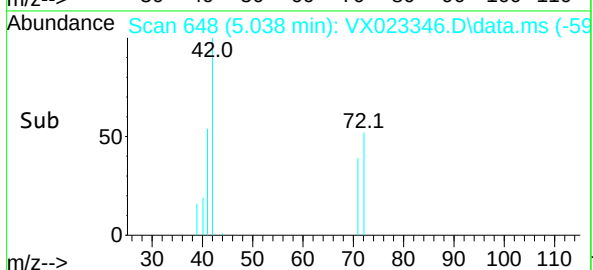
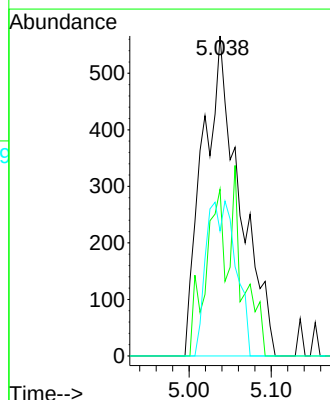
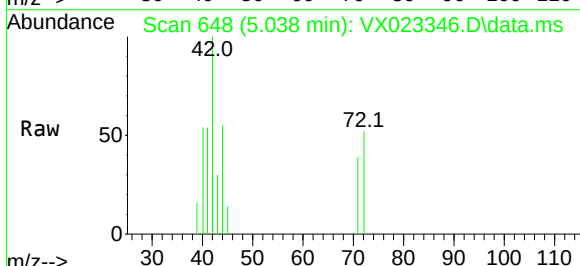
Tgt Ion: 42 Resp: 1767

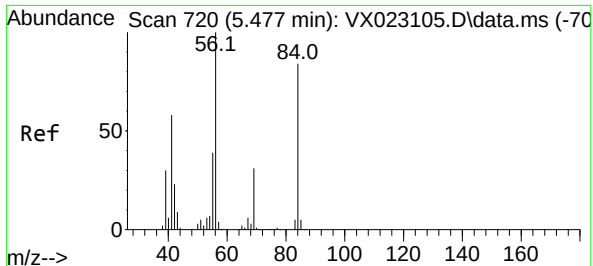
Ion Ratio Lower Upper

42 100

72 25.8 41.7 62.5#

71 39.2 38.4 57.6

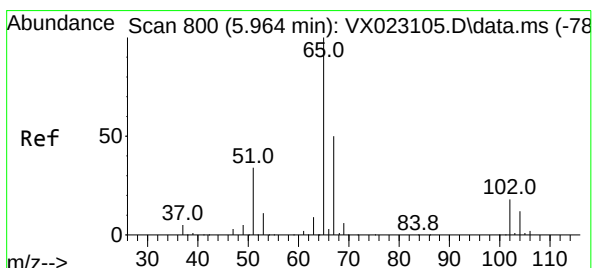
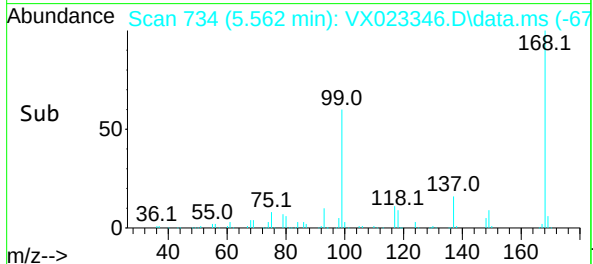
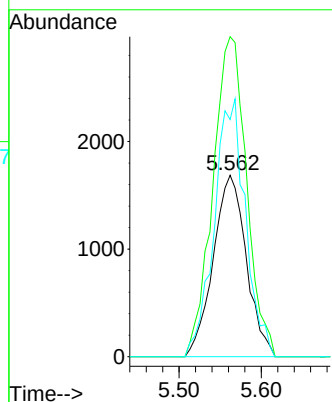
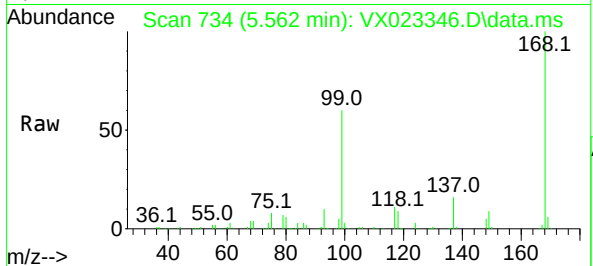




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

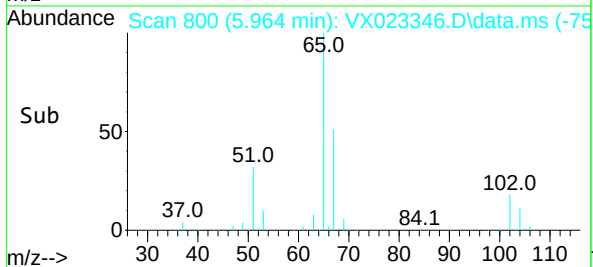
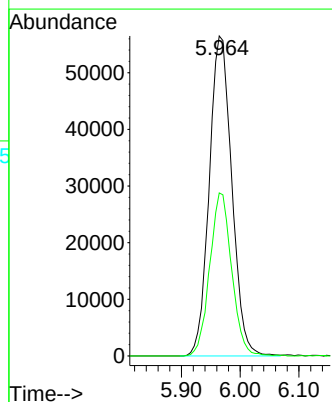
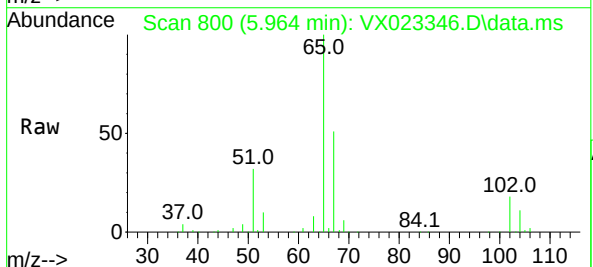
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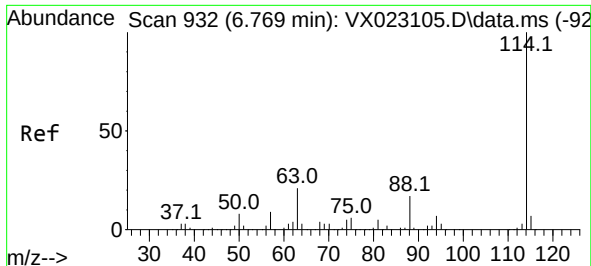
Tgt Ion: 56 Resp: 4715
Ion Ratio Lower Upper
56 100
69 176.3 25.3 37.9#
84 130.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.588 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 65 Resp: 150594
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

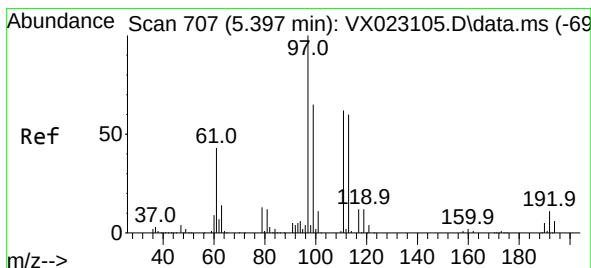
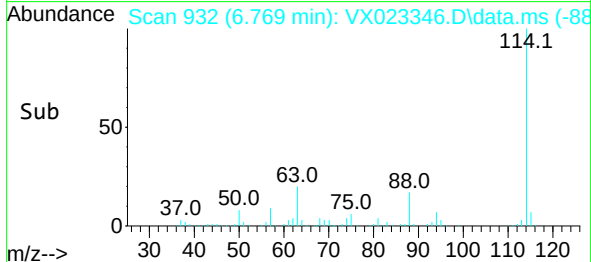
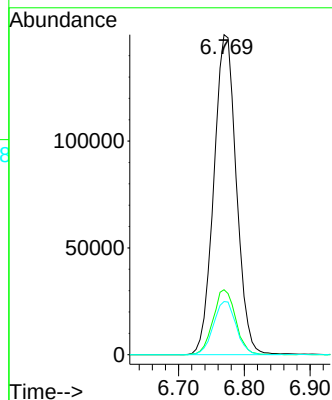
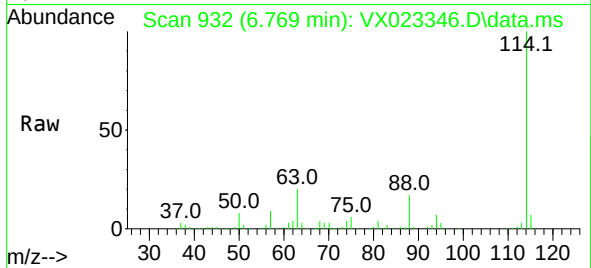




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

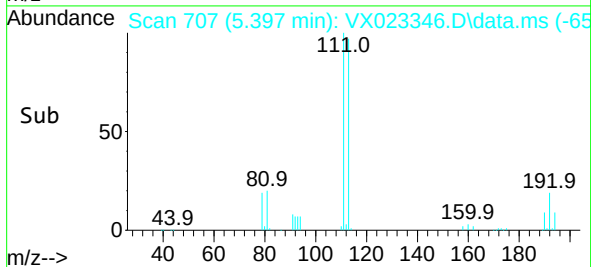
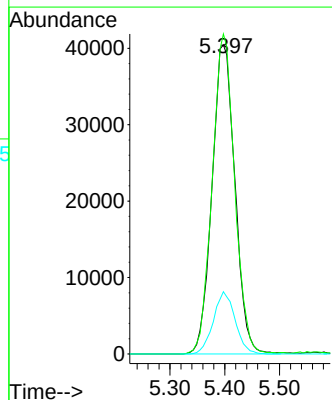
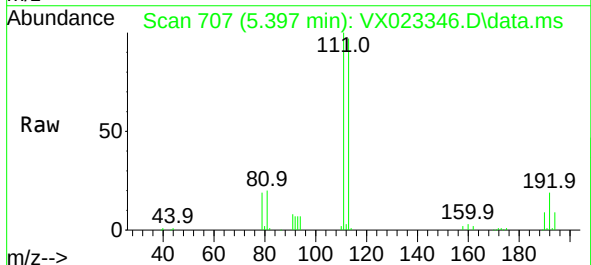
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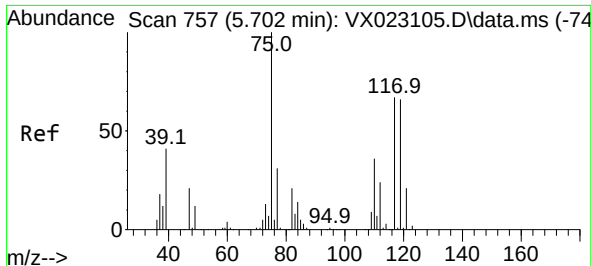
Tgt Ion:114 Resp: 357156
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.885 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion:113 Resp: 117359
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 19.1 16.7 25.1

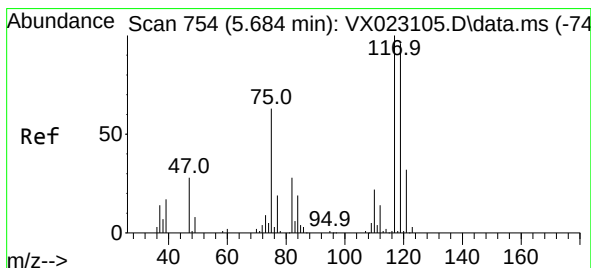
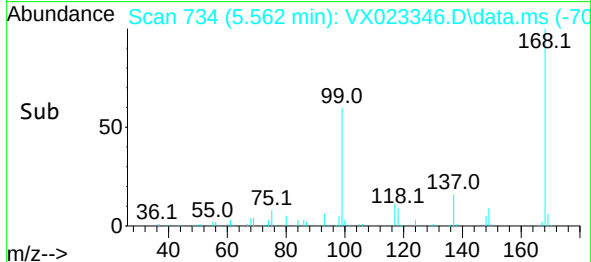
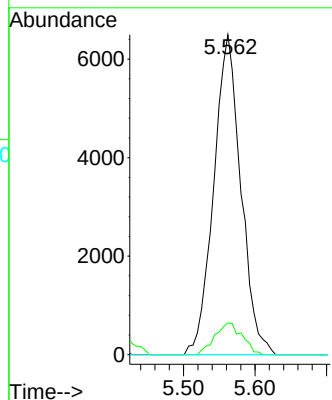
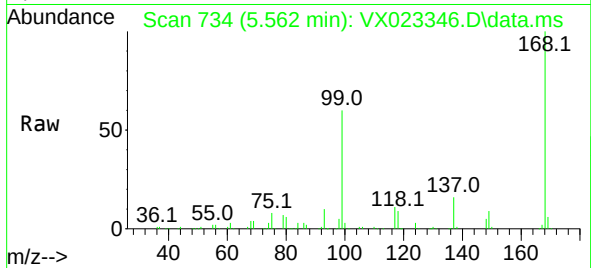




#36
1,1-Dichloropropene
Concen: 5.383 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

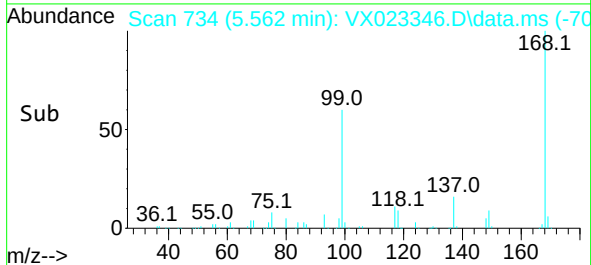
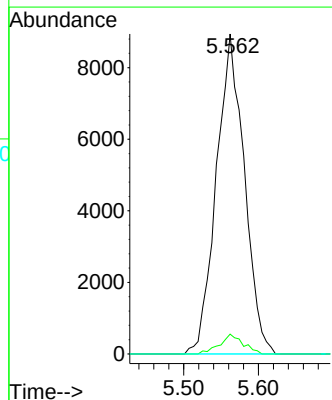
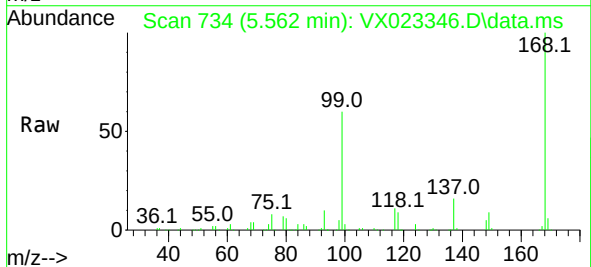
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

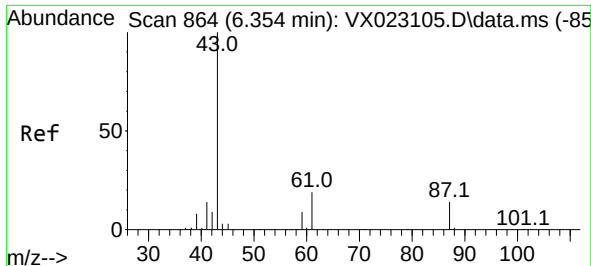
Tgt Ion: 75 Resp: 17139
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 7.005 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 117 Resp: 23279
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

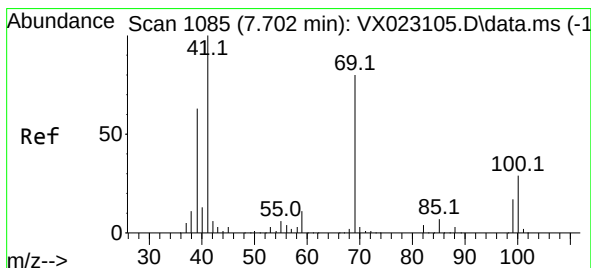
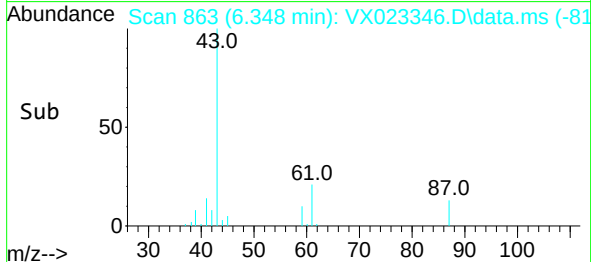
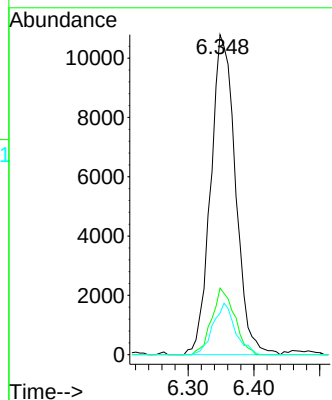
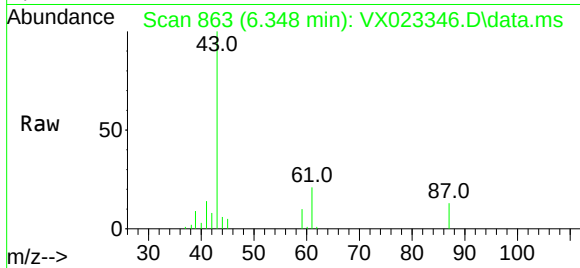




#43
Isopropyl Acetate
Concen: 4.897 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

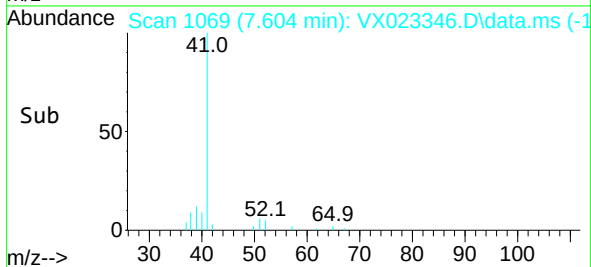
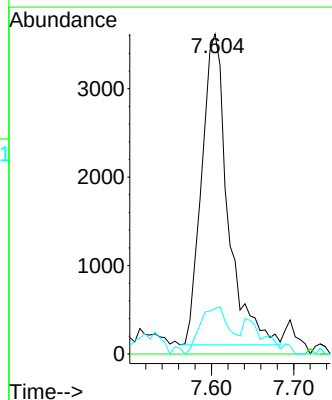
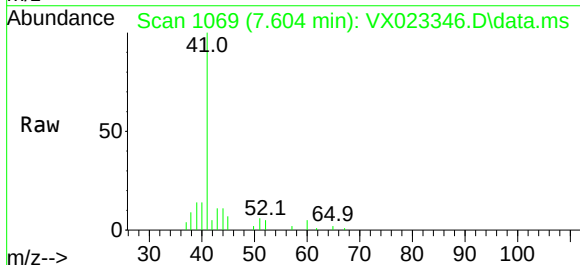
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

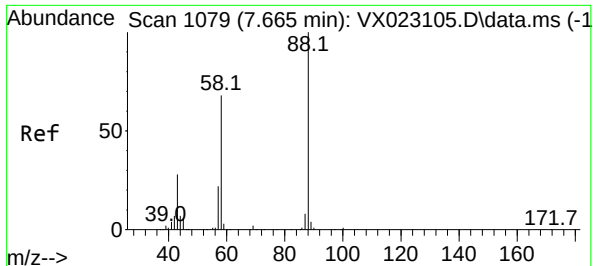
Tgt Ion: 43	Resp: 28289
Ion Ratio	Lower Upper
43 100	
61 19.2	18.2 27.4
87 14.3	12.5 18.7



#48
Methyl methacrylate
Concen: 2.745 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 41	Resp: 7783
Ion Ratio	Lower Upper
41 100	
69 0.0	76.0 114.0#
39 0.0	44.6 67.0#

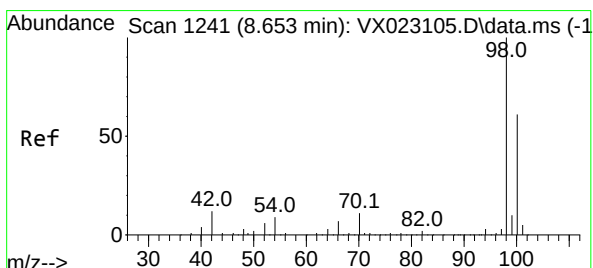
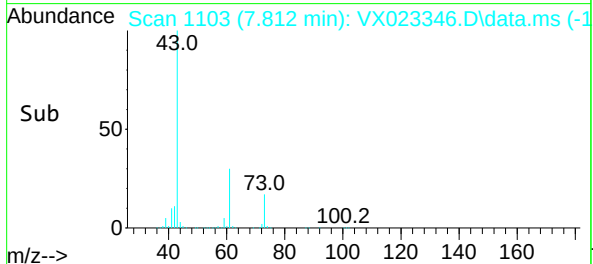
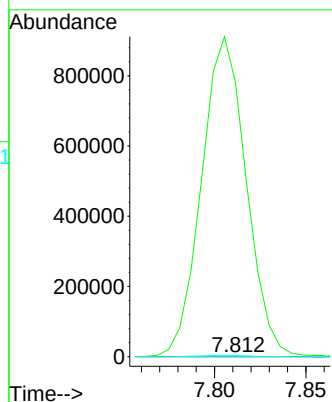
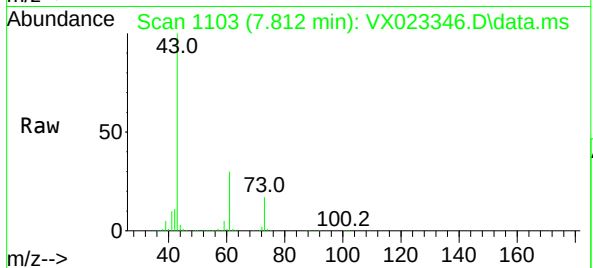




#49
1,4-Dioxane
Concen: 4.733 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

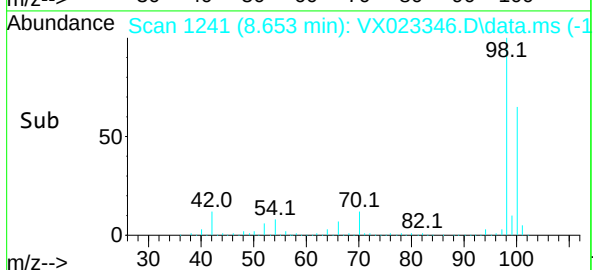
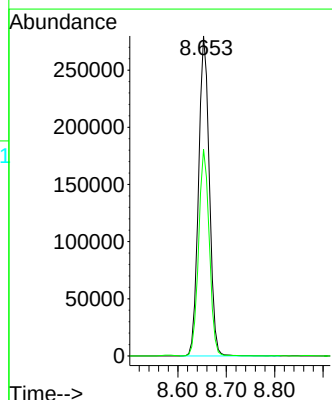
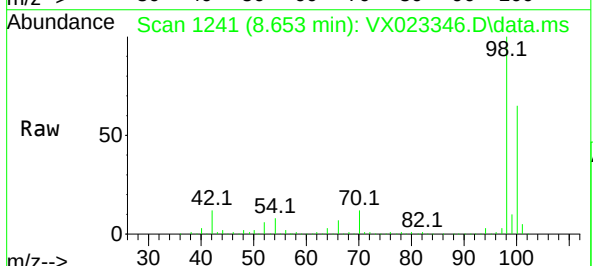
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

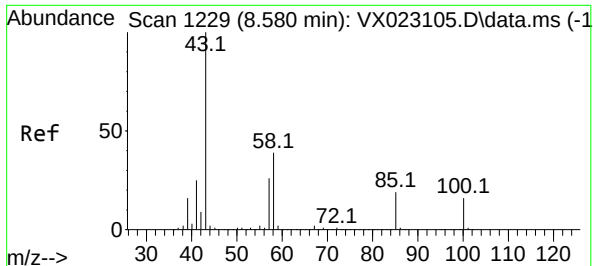
Tgt Ion: 88 Resp: 302
Ion Ratio Lower Upper
88 100
43 515164.2 23.2 34.8#
58 2321.9 55.0 82.4#



#50
Toluene-d8
Concen: 50.194 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 98 Resp: 431832
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

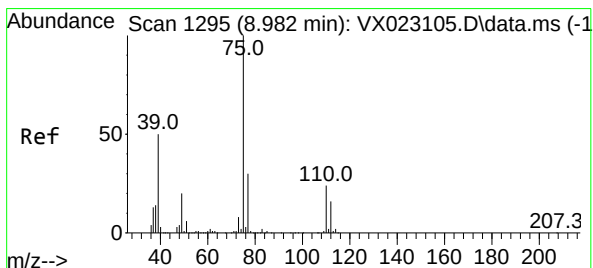
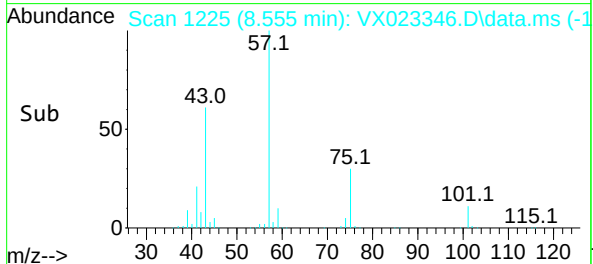
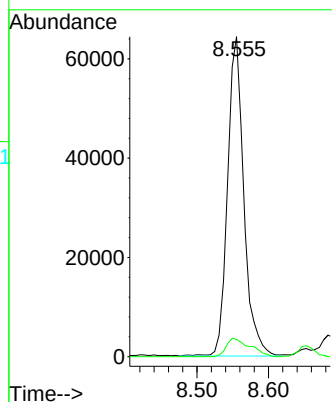
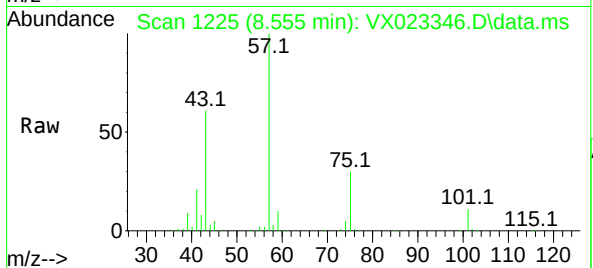




#51
4-Methyl-2-Pentanone
Concen: 28.391 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

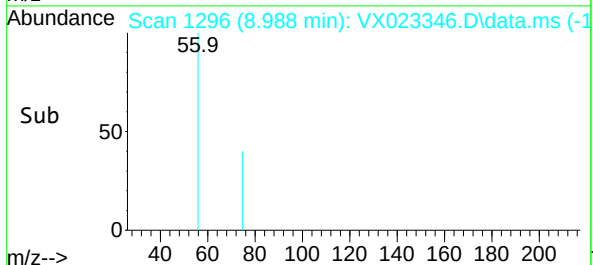
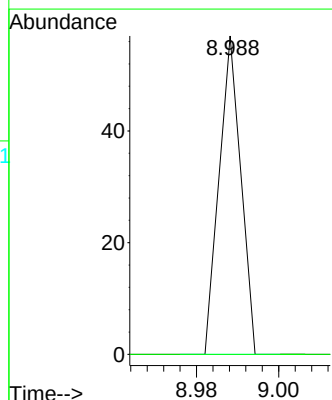
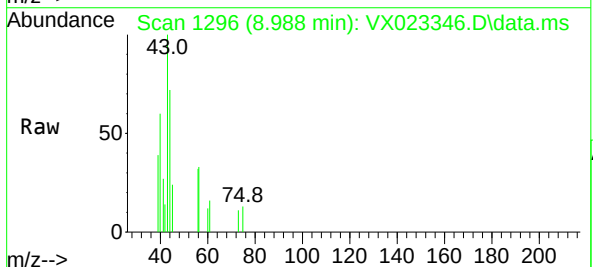
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

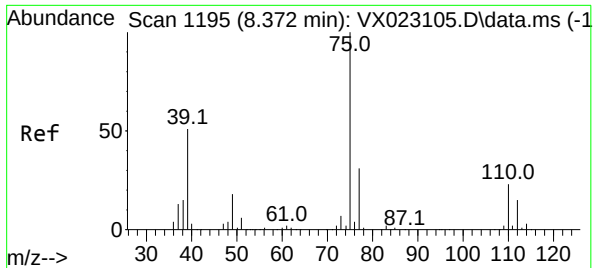
Tgt Ion: 43 Resp: 101641
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.741 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

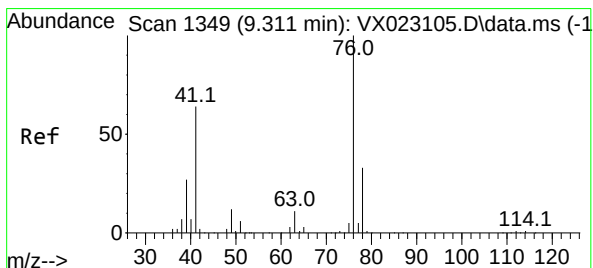
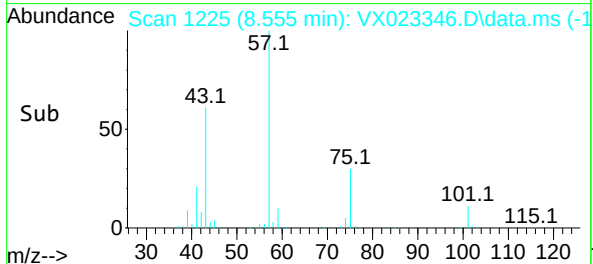
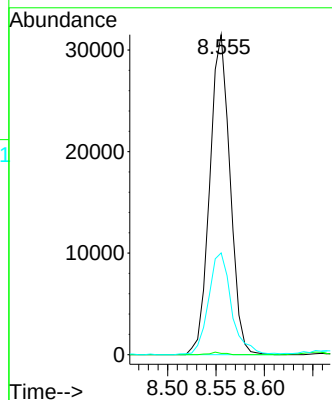
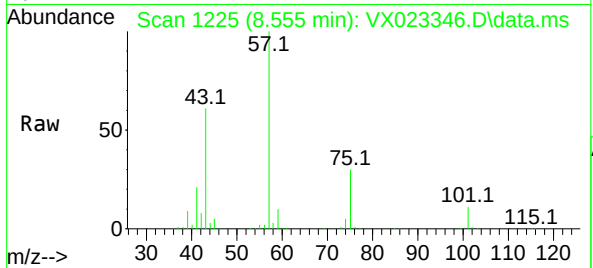




#54
 cis-1,3-Dichloropropene
 Concen: 12.788 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023346.D
 Acq: 19 Jul 2021 17:14

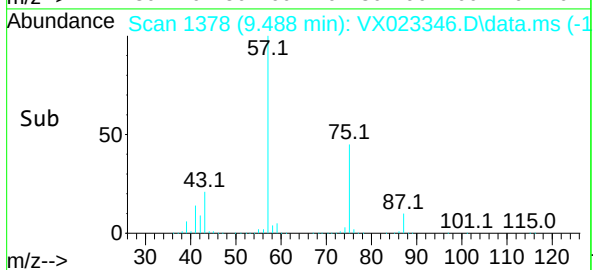
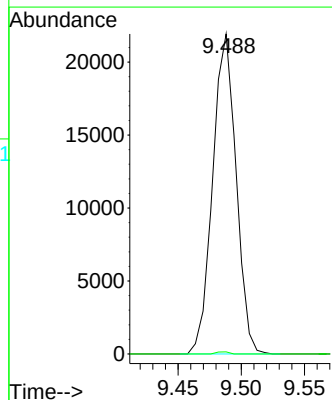
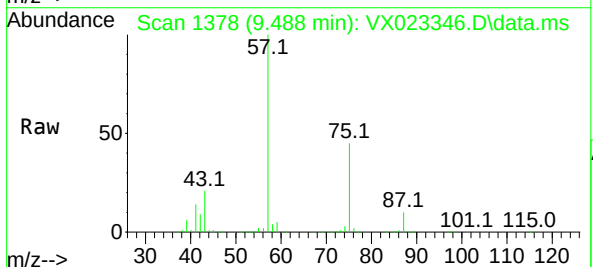
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#11

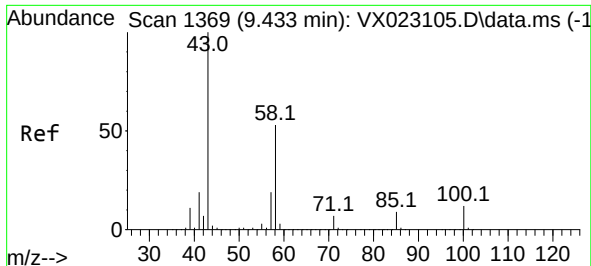
Tgt Ion: 75 Resp: 45958
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 31.6 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 6.800 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023346.D
 Acq: 19 Jul 2021 17:14

Tgt Ion: 76 Resp: 28237
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

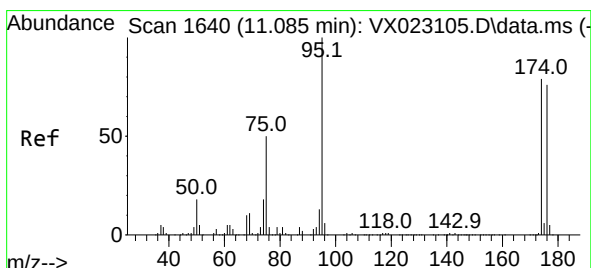
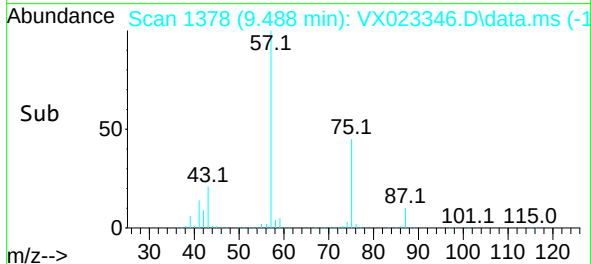
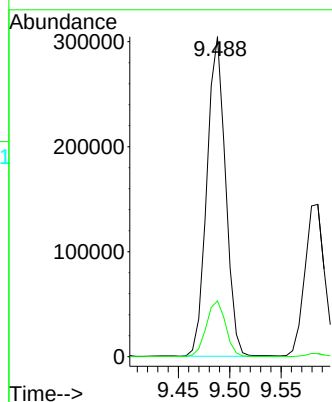
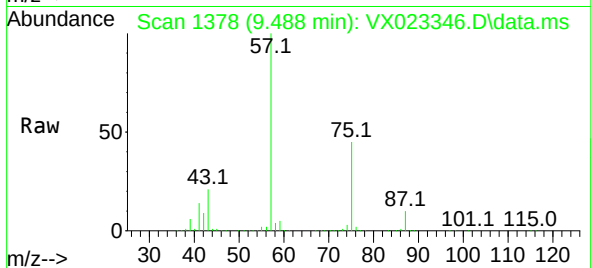




#59
2-Hexanone
Concen: 139.942 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

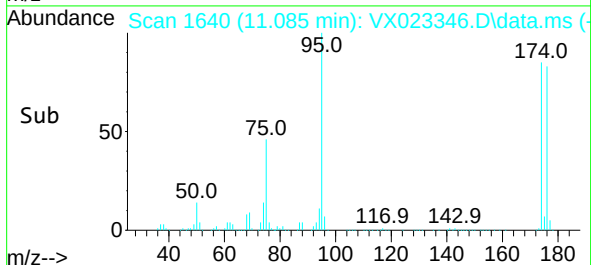
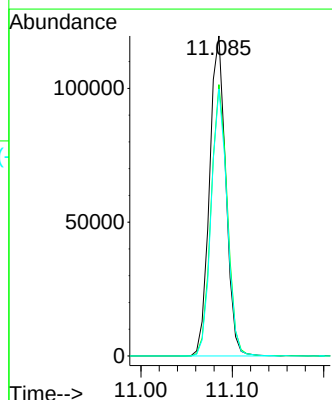
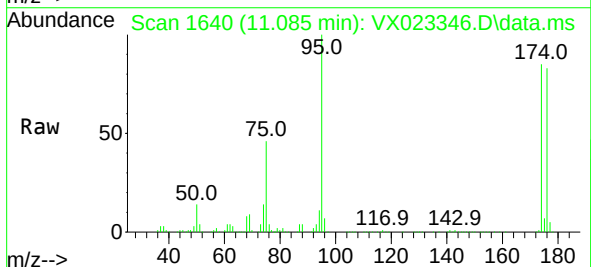
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

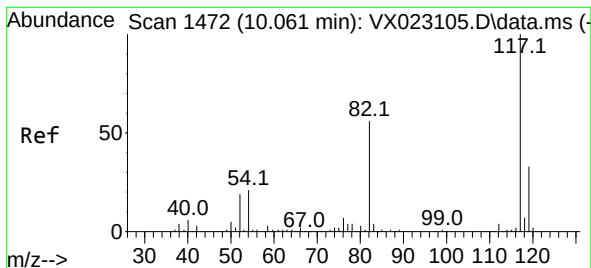
Tgt Ion: 43 Resp: 384395
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 44.327 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 95 Resp: 147225
Ion Ratio Lower Upper
95 100
174 84.8 0.0 154.6
176 81.7 0.0 155.8

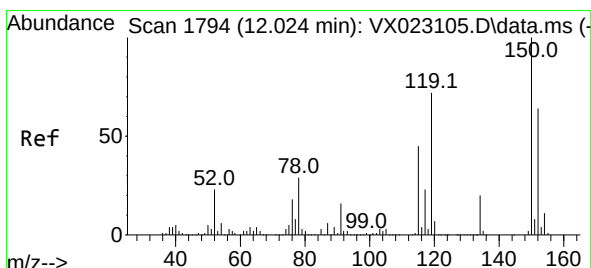
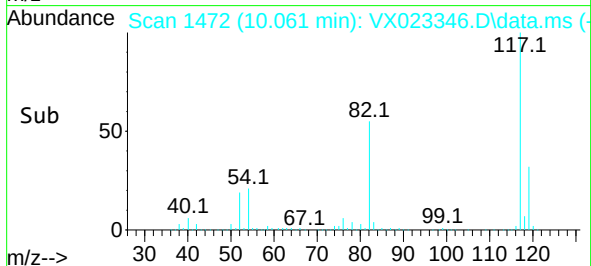
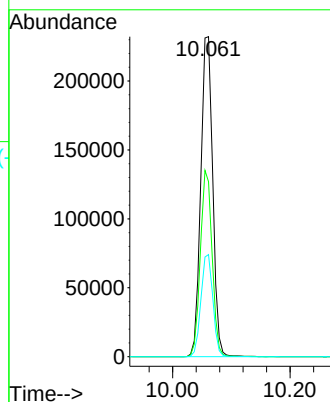
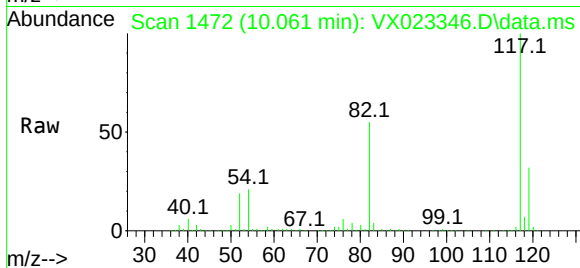




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

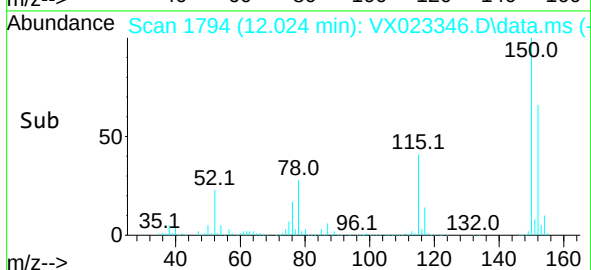
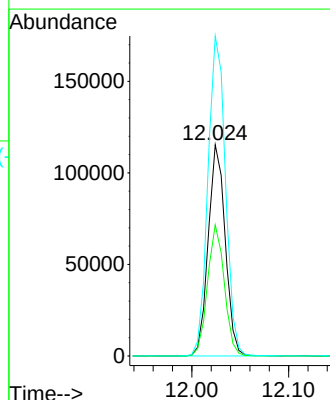
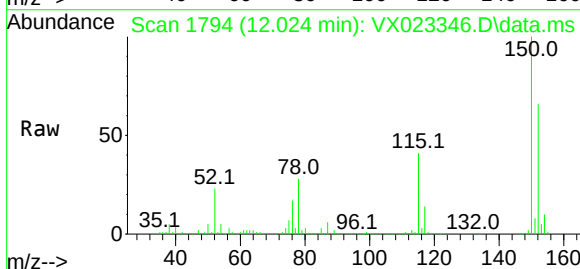
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

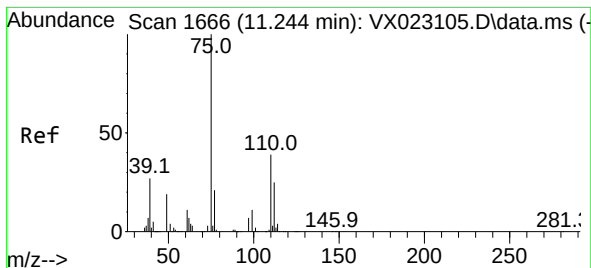
Tgt Ion:117 Resp: 328489
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion:152 Resp: 140992
Ion Ratio Lower Upper
152 100
115 61.2 41.1 123.3
150 155.9 0.0 349.0

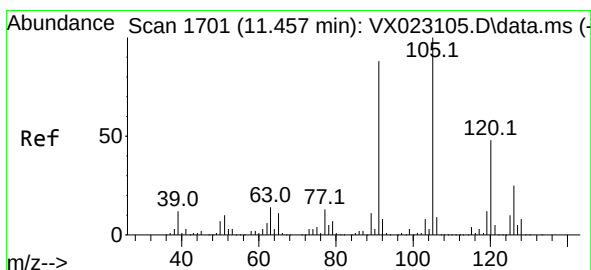
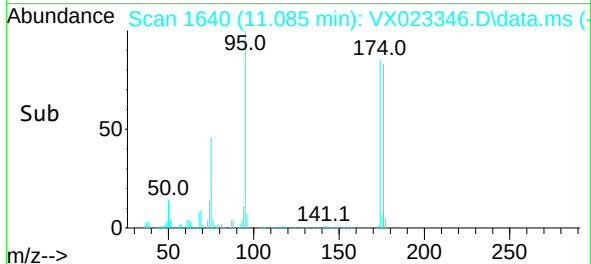
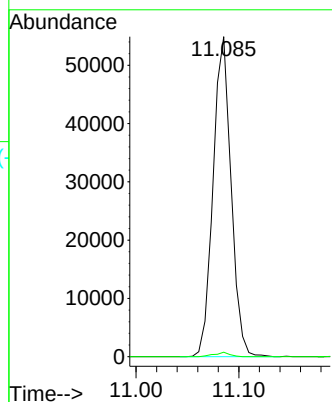
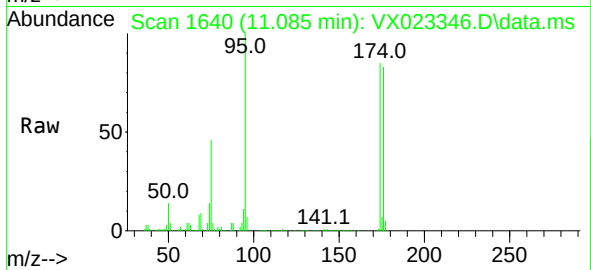




#76
1,2,3-Trichloropropane
Concen: 23.584 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

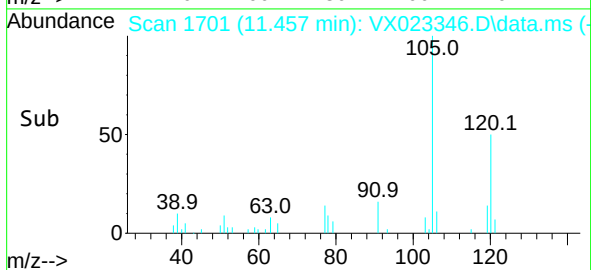
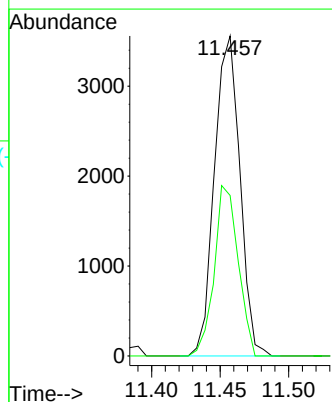
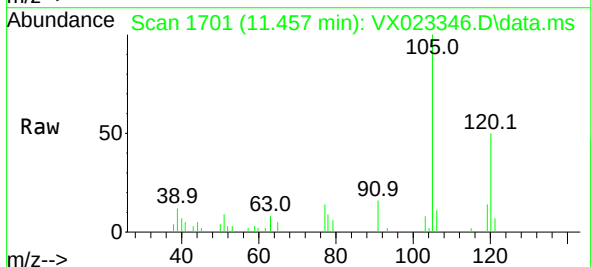
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

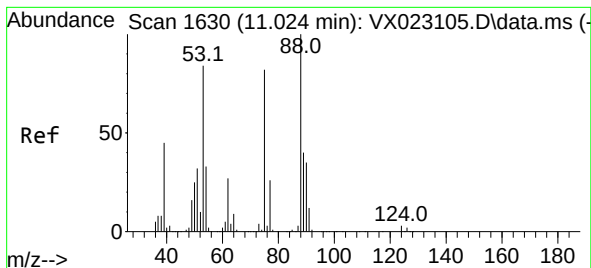
Tgt Ion: 75 Resp: 66914
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.537 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Tgt Ion: 105 Resp: 4593
Ion Ratio Lower Upper
105 100
120 50.0 23.8 71.5

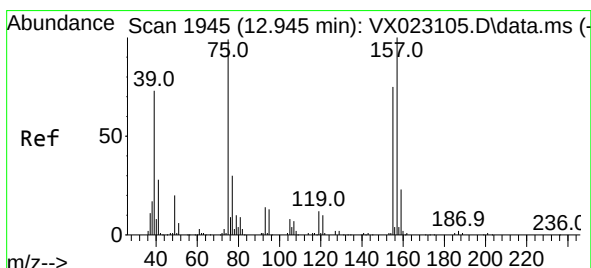
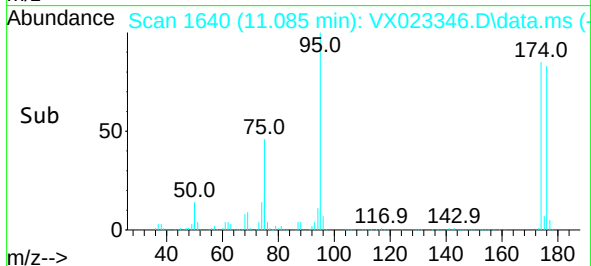
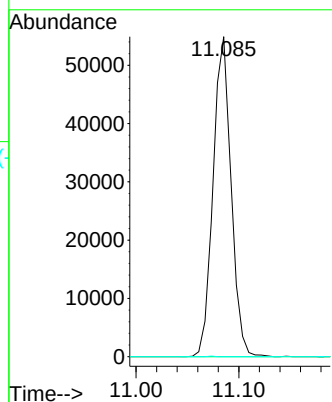
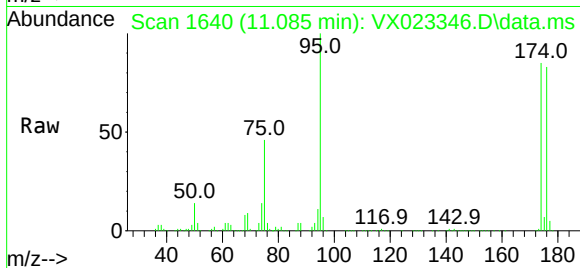




#81
trans-1,4-Dichloro-2-butene
Concen: 64.344 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

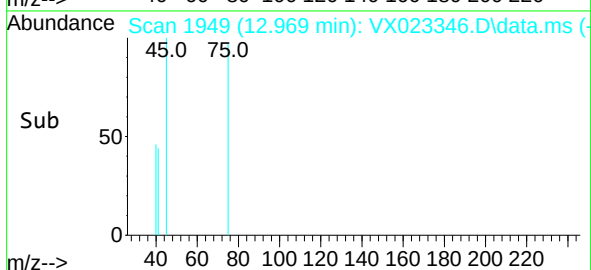
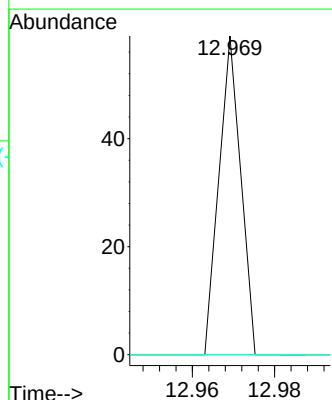
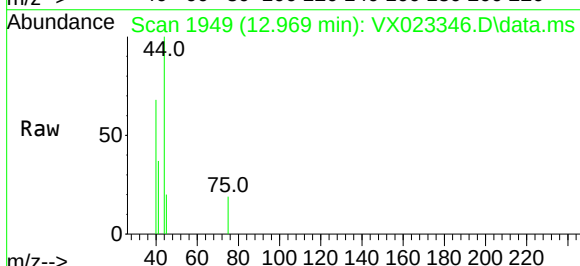
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11

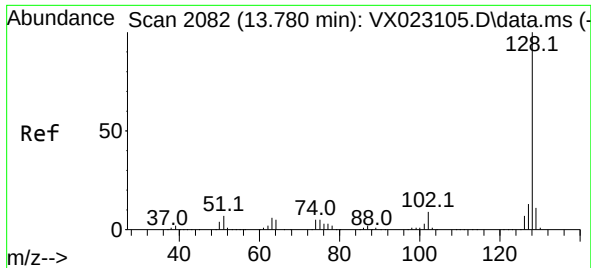
Tgt Ion: 75 Resp: 66914
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.597 ug/l
RT: 12.969 min Scan# 1949
Delta R.T. 0.024 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

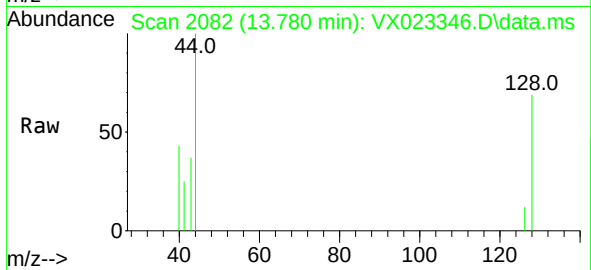
Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 1.317 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023346.D
Acq: 19 Jul 2021 17:14

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#11



Tgt Ion:128 Resp: 447
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

