

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023404.D
 Acq On : 23 Jul 2021 04:01
 Operator : JC/MD
 Sample : PB137858ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858ZHE#05

Quant Time: Jul 23 06:13:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

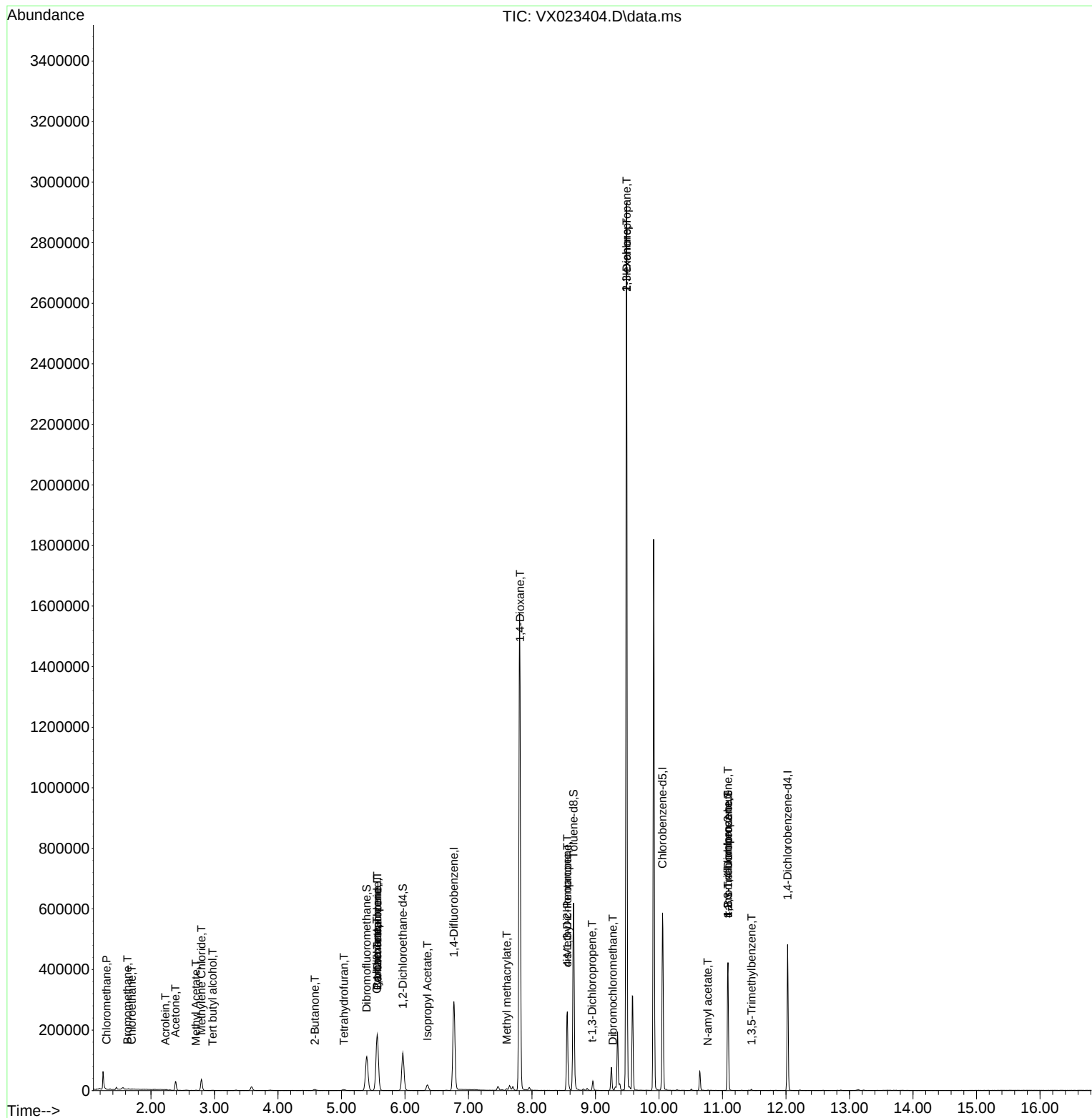
Internal Standards						
1) Pentafluorobenzene	5.562	168	176043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	301958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	114332	52.064	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.120%			
35) Dibromofluoromethane	5.397	113	94956	50.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	8.653	98	358993	51.754	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.500%			
62) 4-Bromofluorobenzene	11.085	95	108359	45.940	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.880%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	490	0.260	ug/l	99
5) Bromomethane	1.630	94	621	0.548	ug/l #	38
6) Chloroethane	1.697	64	736	0.628	ug/l #	86
11) Tert butyl alcohol	2.971	59	833	1.661	ug/l #	73
13) Acrolein	2.227	56	118	1.824	ug/l #	70
16) Acetone	2.386	43	31145	28.912	ug/l	92
18) Methyl Acetate	2.709	43	1309	0.511	ug/l	94
20) Methylene Chloride	2.794	84	16138	7.702	ug/l	92
25) 2-Butanone	4.581	43	6688	3.999	ug/l	89
29) Tetrahydrofuran	5.038	42	3043	2.776	ug/l #	87
31) Cyclohexane	5.556	56	3668	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	13214	4.838	ug/l #	48
38) Carbon Tetrachloride	5.562	117	16857	6.068	ug/l #	15
43) Isopropyl Acetate	6.355	43	25924	4.858	ug/l	92
48) Methyl methacrylate	7.604	41	7196	2.911	ug/l #	10
49) 1,4-Dioxane	7.812	88	215	4.085	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	93113	28.525	ug/l #	46
53) t-1,3-Dichloropropene	8.946	75	55	1.833	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	40566	12.425	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	23896	6.921	ug/l #	43
59) 2-Hexanone	9.488	43	342423	138.143	ug/l #	43
60) Dibromochloromethane	9.275	129	172	2.056	ug/l #	11
74) N-amyl acetate	10.768	43	917	0.282	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	57022	27.475	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1802	0.311	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	57022	73.878	ug/l #	12

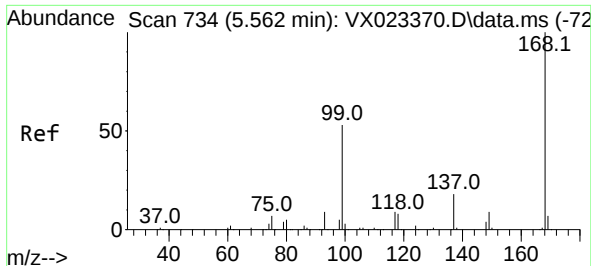
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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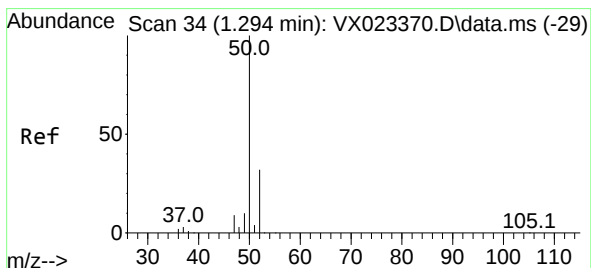
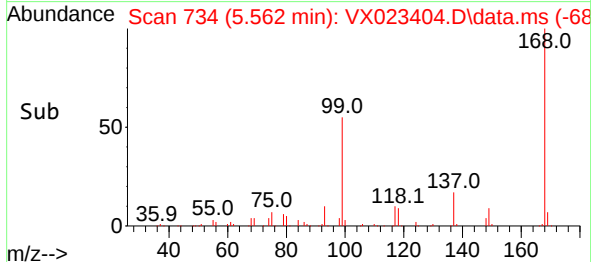
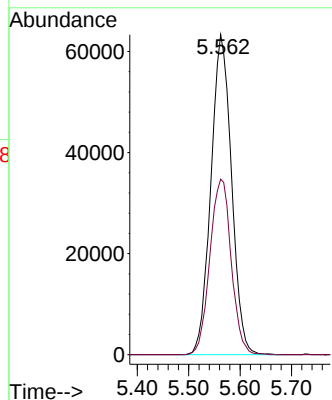
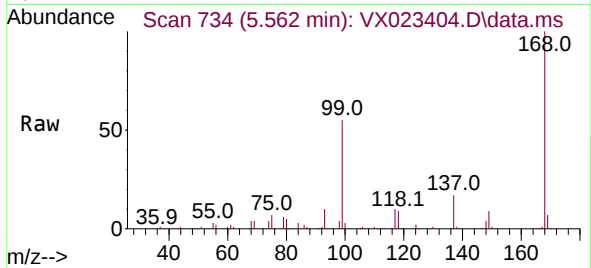




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

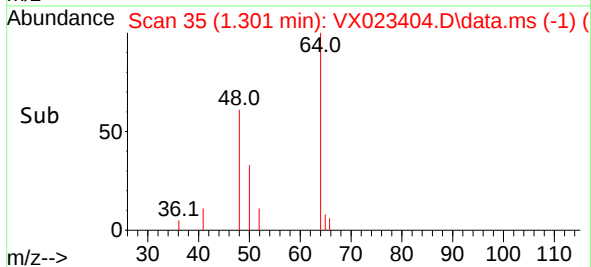
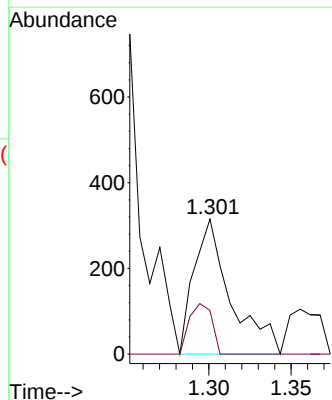
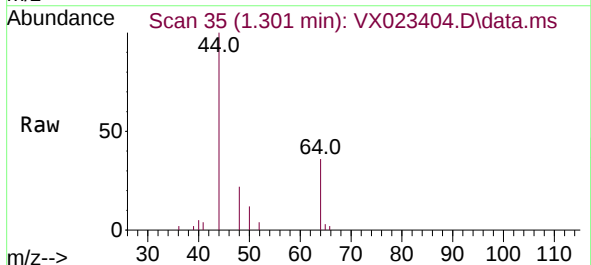
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

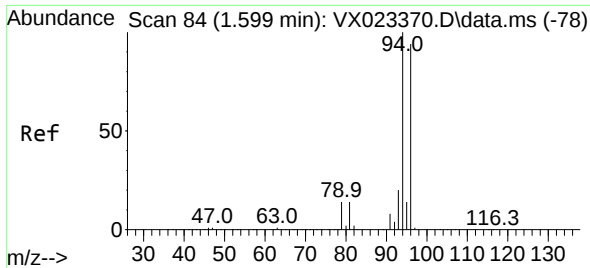
Tgt Ion:168 Resp: 176043
Ion Ratio Lower Upper
168 100
99 54.9 45.8 68.6



#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 50 Resp: 490
Ion Ratio Lower Upper
50 100
52 32.4 26.4 39.6

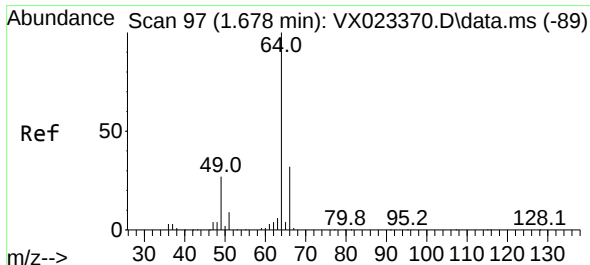
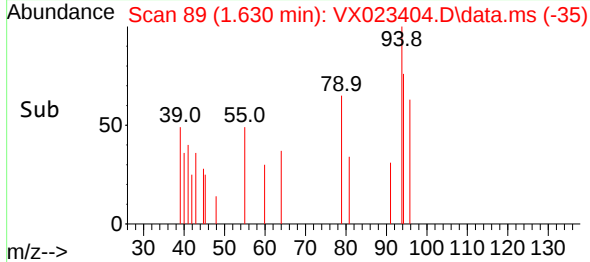
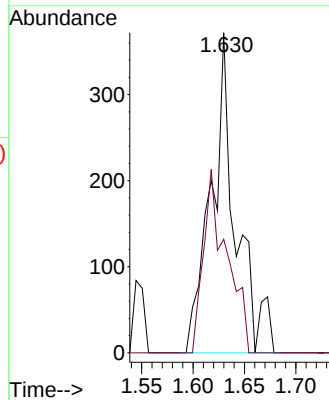
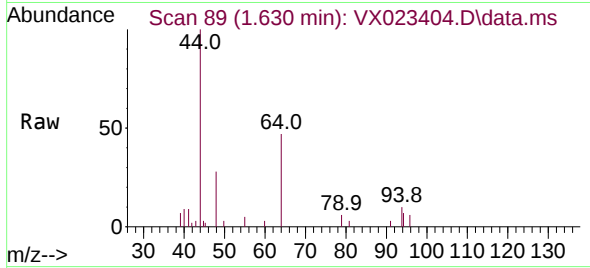




#5
Bromomethane
Concen: 0.548 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

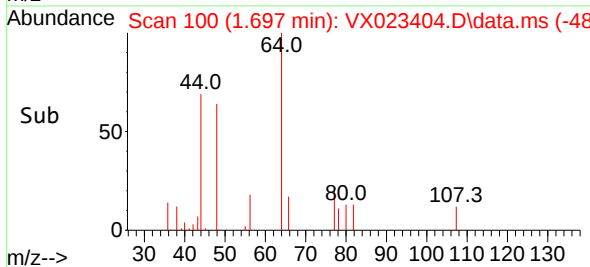
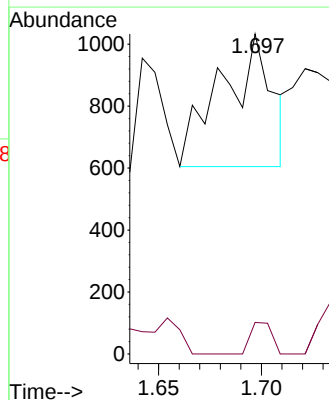
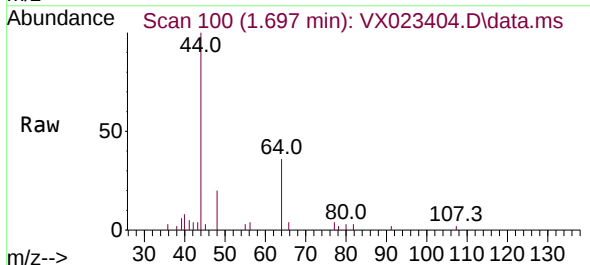
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

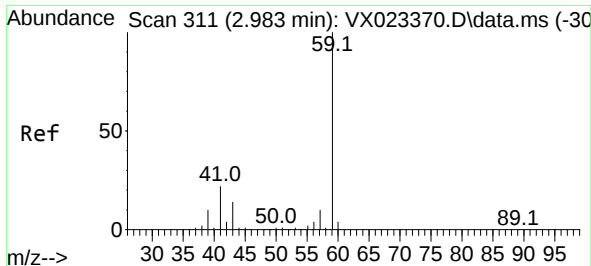
Tgt Ion: 94 Resp: 621
Ion Ratio Lower Upper
94 100
96 35.5 76.4 114.6#



#6
Chloroethane
Concen: 0.628 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 64 Resp: 736
Ion Ratio Lower Upper
64 100
66 23.8 25.4 38.0#



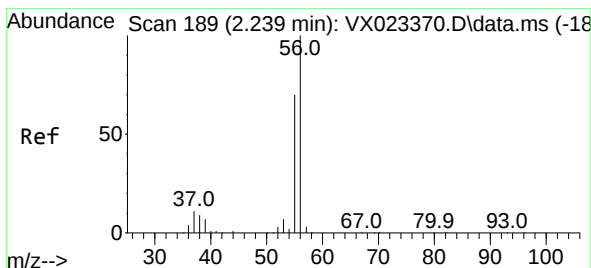
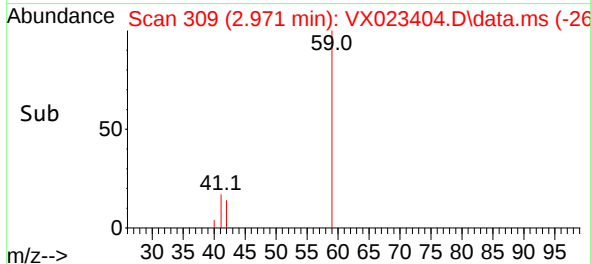
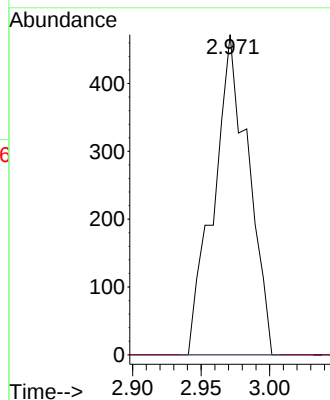
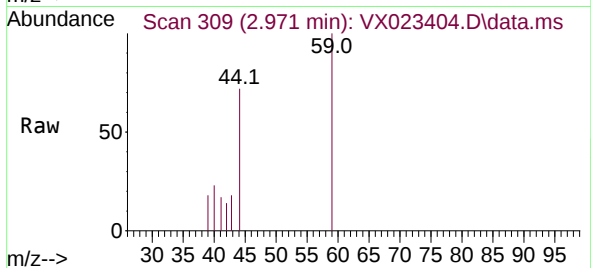


#11

Tert butyl alcohol
Concen: 1.661 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

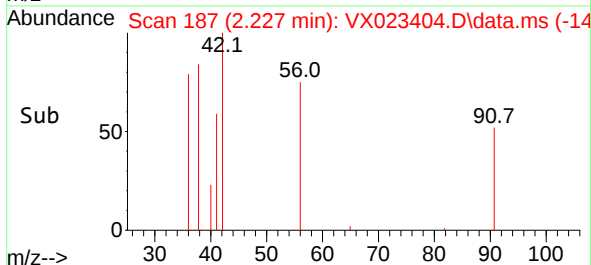
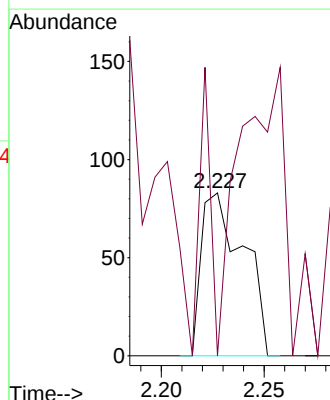
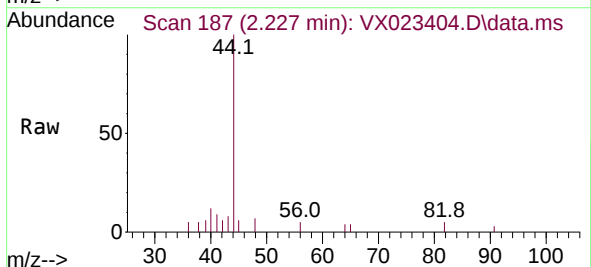
Tgt Ion: 59 Resp: 833
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

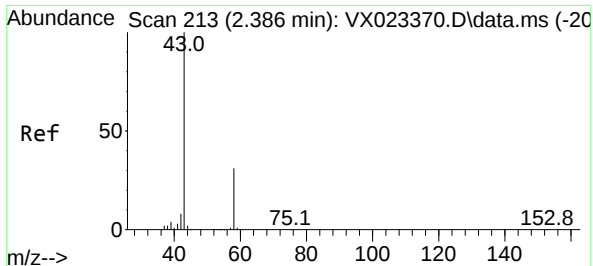


#13

Acrolein
Concen: 1.824 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 45.8 56.4 84.6#

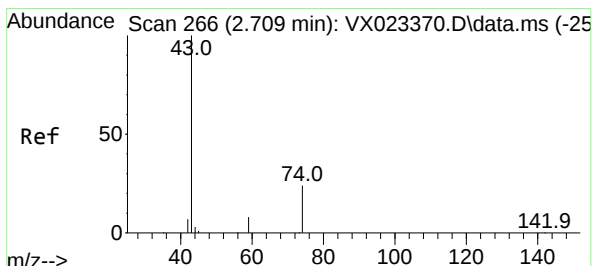
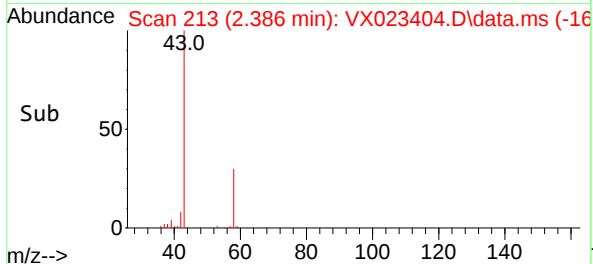
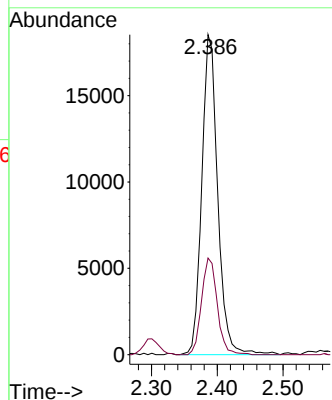
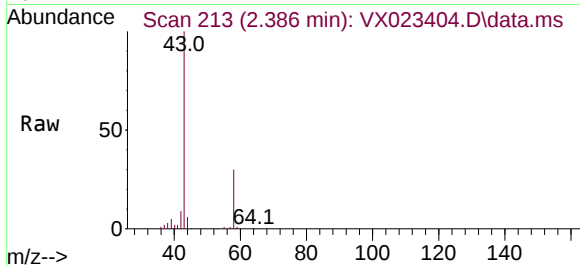




#16
Acetone
Concen: 28.912 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

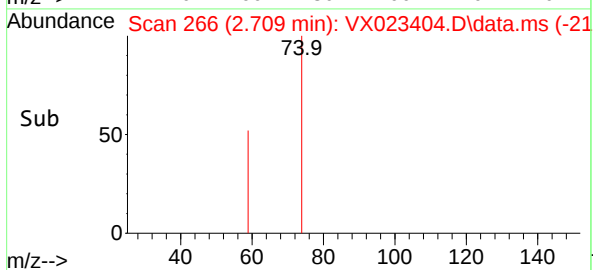
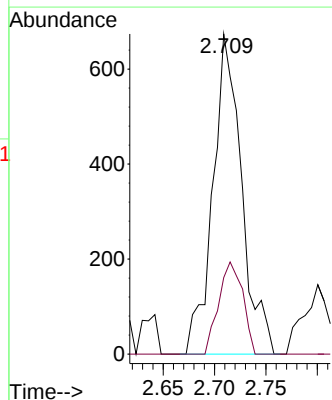
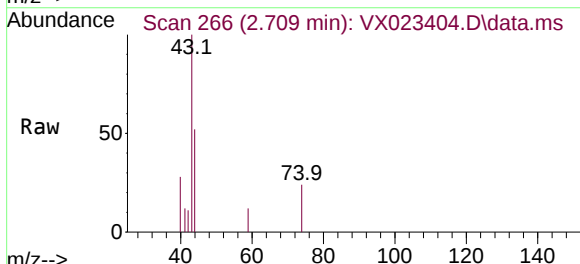
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

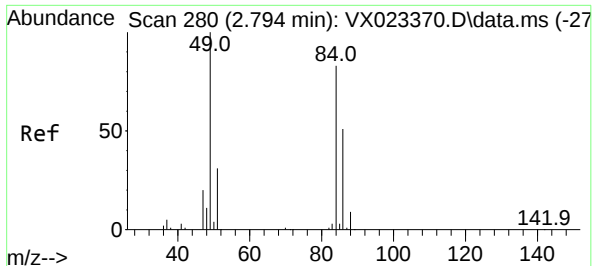
Tgt Ion: 43 Resp: 31145
Ion Ratio Lower Upper
43 100
58 30.2 27.8 41.8



#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
74 24.1 21.9 32.9

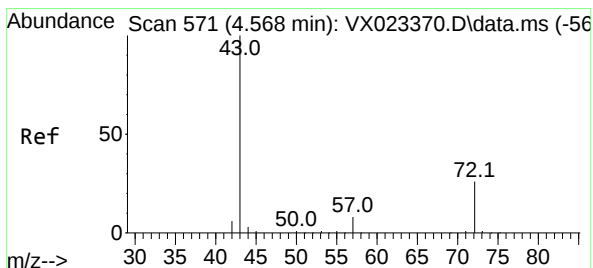
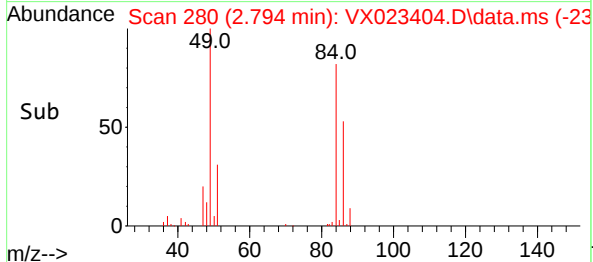
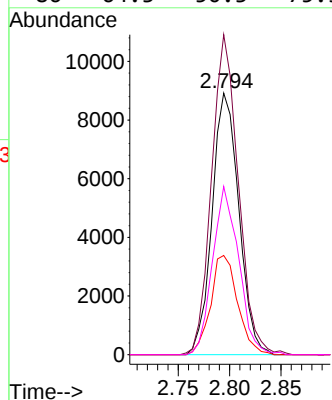
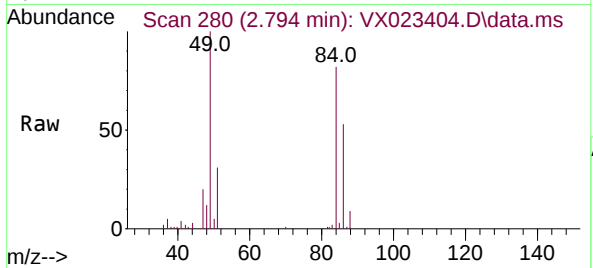




#20
Methylene Chloride
Concen: 7.702 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

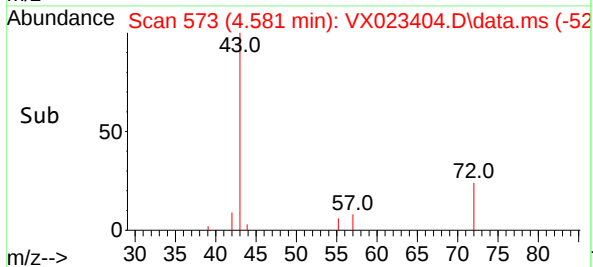
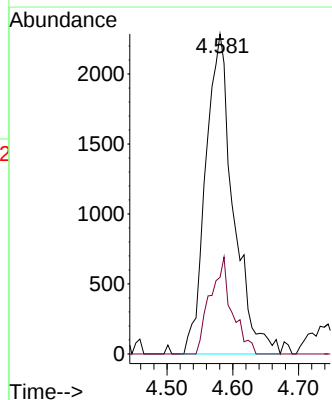
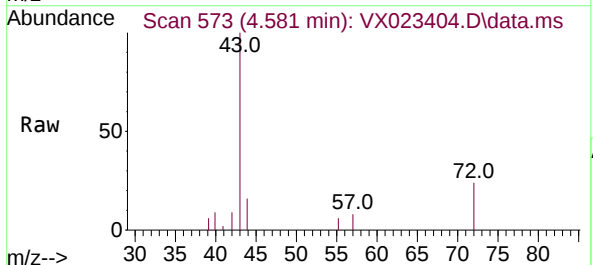
Instrument :
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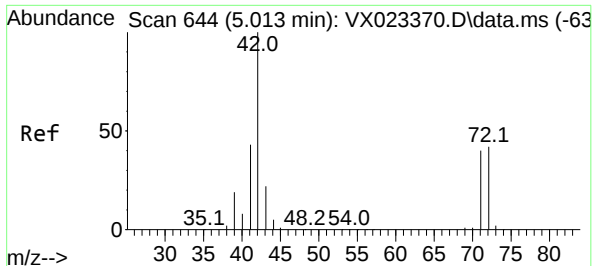
Tgt Ion:	84	Resp:	16138
Ion	Ratio	Lower	Upper
84	100		
49	122.3	88.6	132.8
51	37.9	27.0	40.6
86	64.3	50.3	75.5



#25
2-Butanone
Concen: 3.999 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion:	43	Resp:	6688
Ion	Ratio	Lower	Upper
43	100		
72	23.9	23.7	35.5





#29

Tetrahydrofuran

Concen: 2.776 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX023404.D

Acq: 23 Jul 2021 04:01

Instrument :

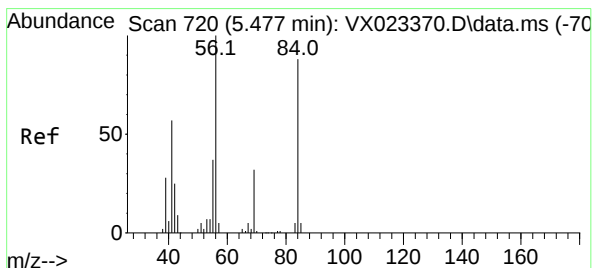
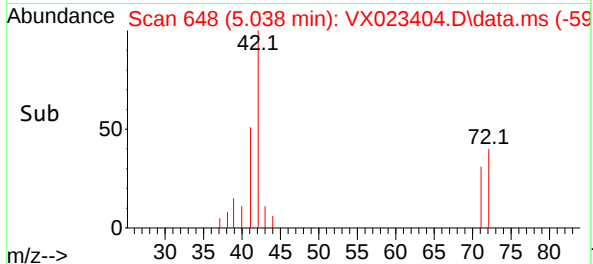
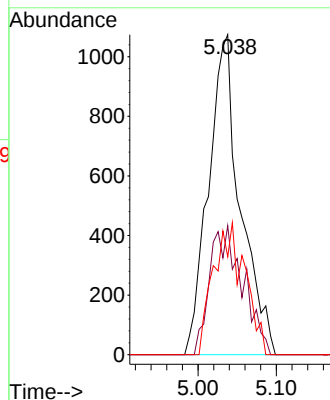
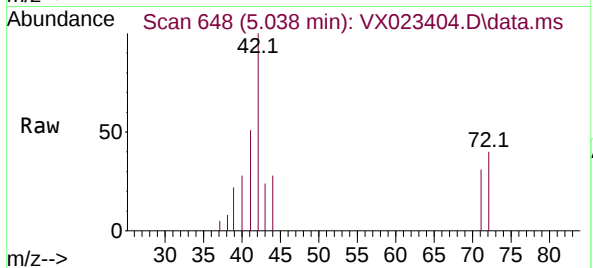
MSVOA_X

ClientSampleId :

PB137858ZHE#05

Tgt Ion: 42 Resp: 3043

Ion	Ratio	Lower	Upper
42	100		
72	41.4	41.7	62.5#
71	40.4	38.4	57.6



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 5.556 min Scan# 733

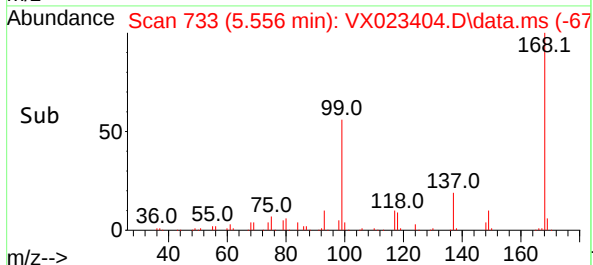
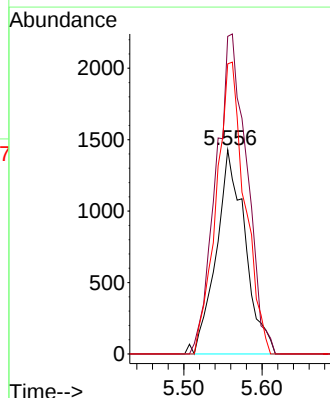
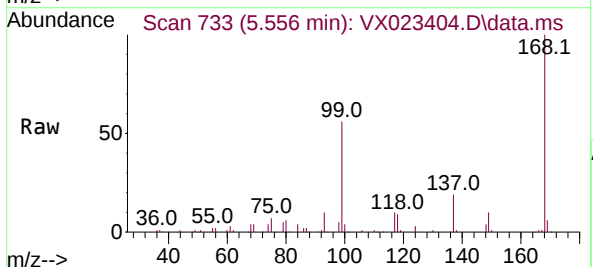
Delta R.T. 0.079 min

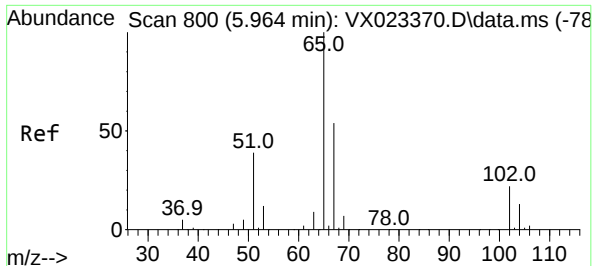
Lab File: VX023404.D

Acq: 23 Jul 2021 04:01

Tgt Ion: 56 Resp: 3668

Ion	Ratio	Lower	Upper
56	100		
69	155.6	25.3	37.9#
84	142.1	71.4	107.0#



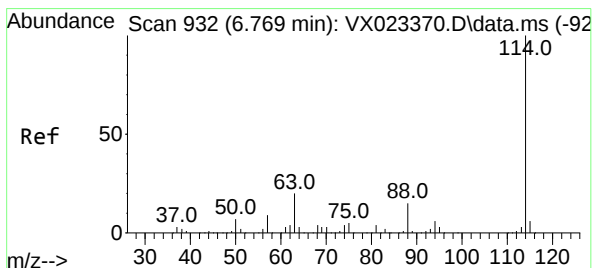
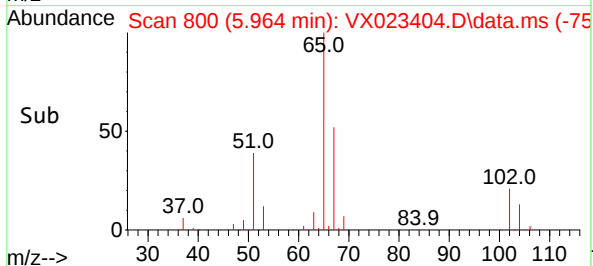
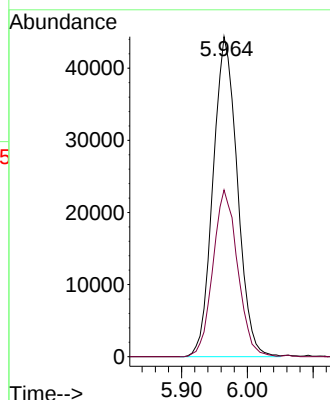
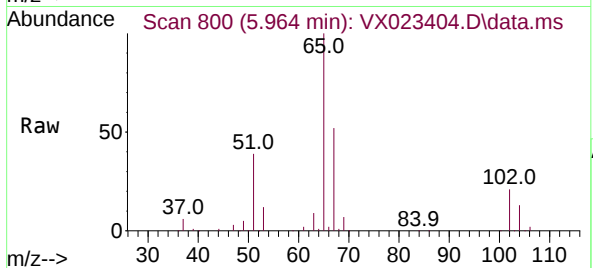


#33

1,2-Dichloroethane-d4
Concen: 52.064 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Instrument :
MSVOA_X
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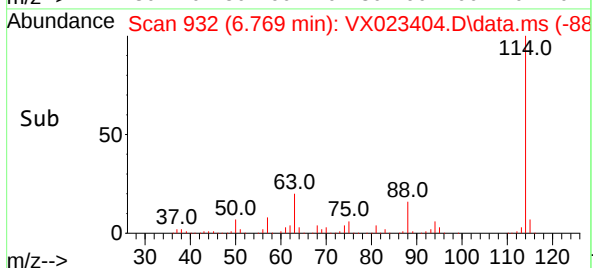
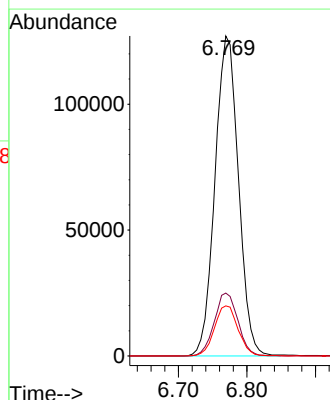
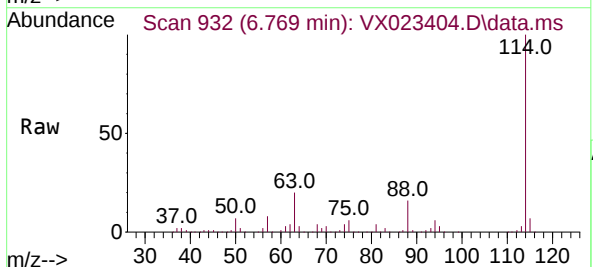
Tgt Ion: 65 Resp: 114332
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

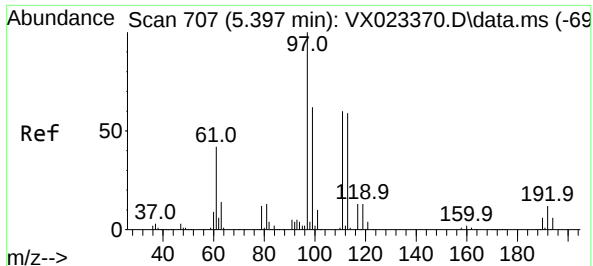


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 114 Resp: 301958
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.295 ug/l

RT: 5.397 min Scan# 707

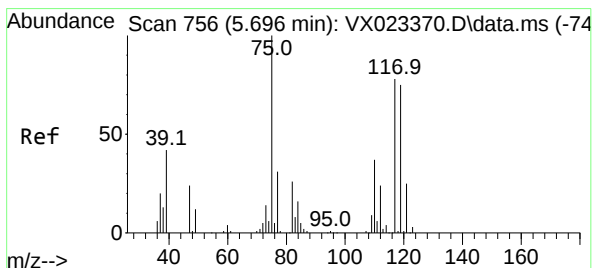
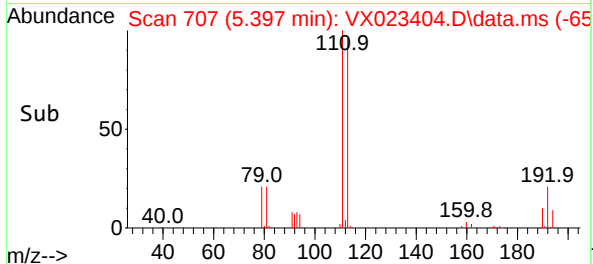
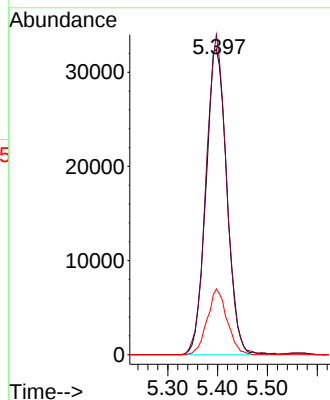
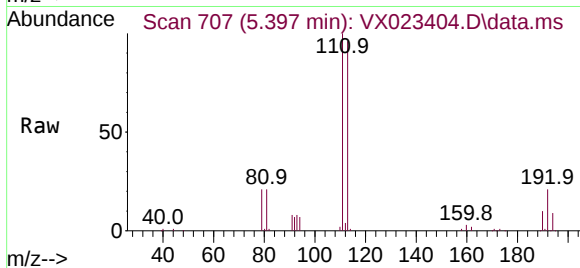
Delta R.T. 0.000 min

Lab File: VX023404.D

Acq: 23 Jul 2021 04:01

Tgt Ion:	113	Resp:	94956
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	20.3	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05



#36

1,1-Dichloropropene

Concen: 4.838 ug/l

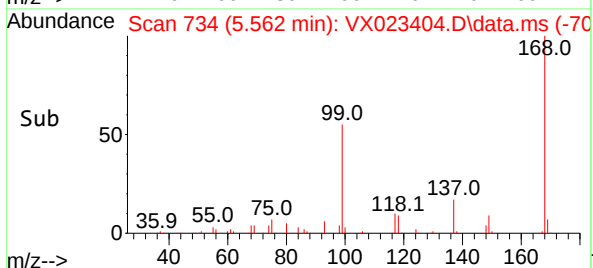
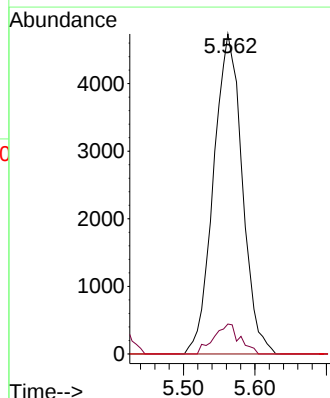
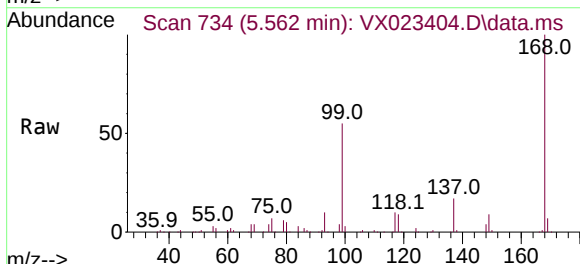
RT: 5.562 min Scan# 734

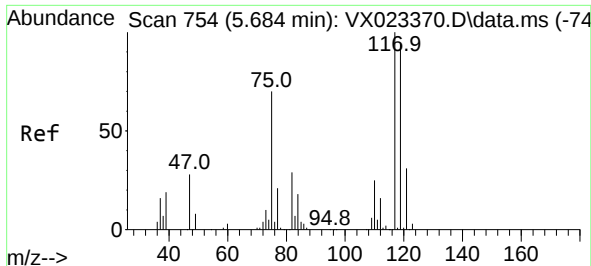
Delta R.T. -0.134 min

Lab File: VX023404.D

Acq: 23 Jul 2021 04:01

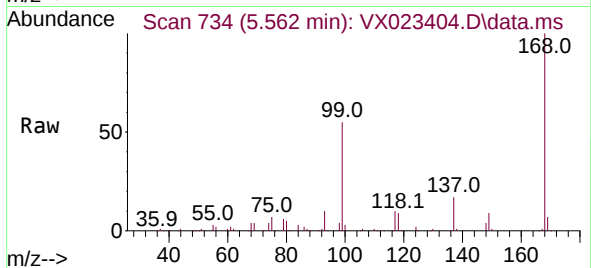
Tgt Ion:	75	Resp:	13214
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.4#
77	0.0	25.3	37.9#



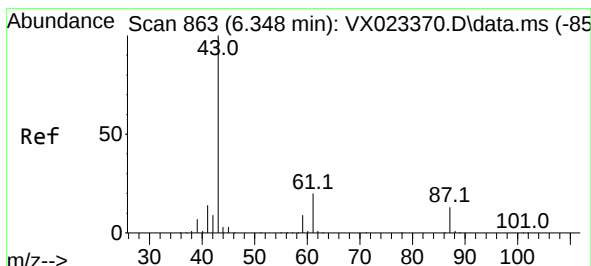
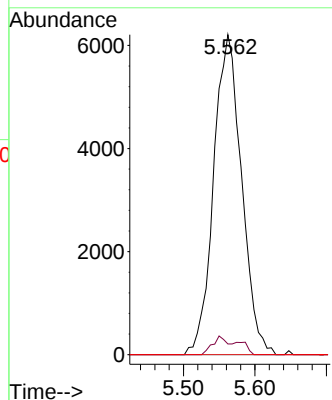
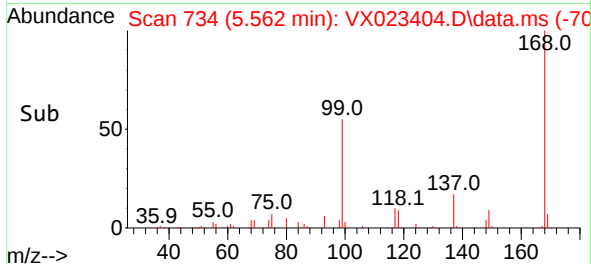


#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

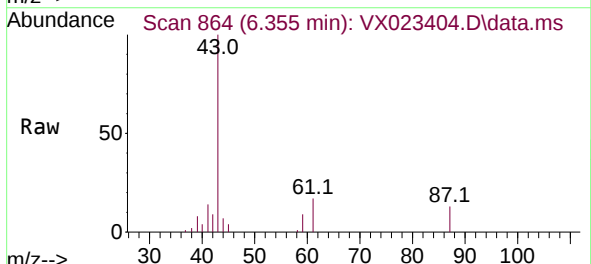
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05



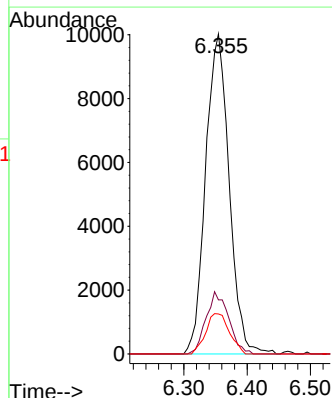
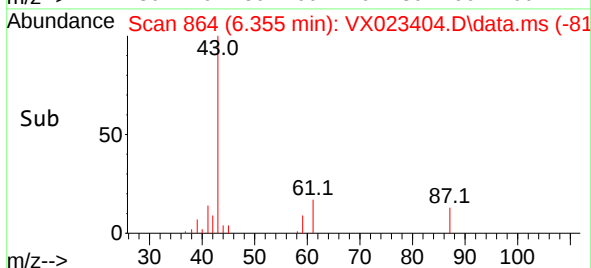
Tgt Ion:117 Resp: 16857
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#

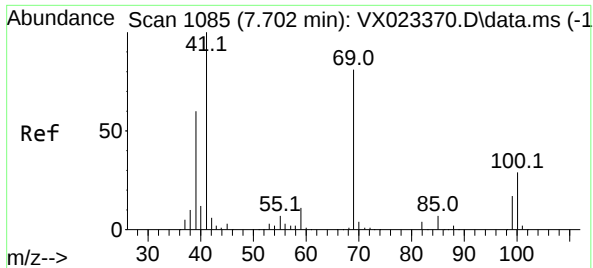


#43
Isopropyl Acetate
Concen: 4.858 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01



Tgt Ion: 43 Resp: 25924
Ion Ratio Lower Upper
43 100
61 18.7 18.2 27.4
87 12.6 12.5 18.7

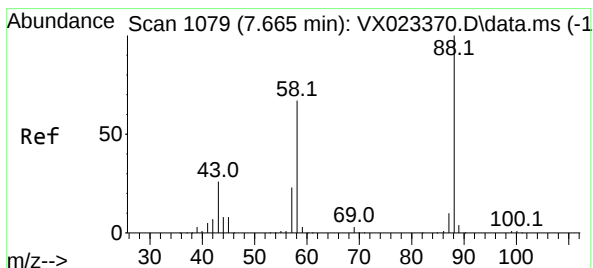
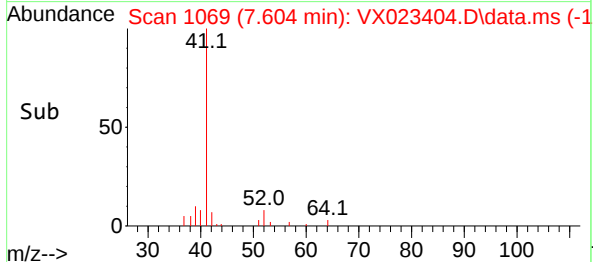
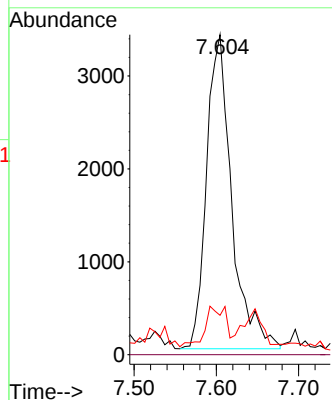
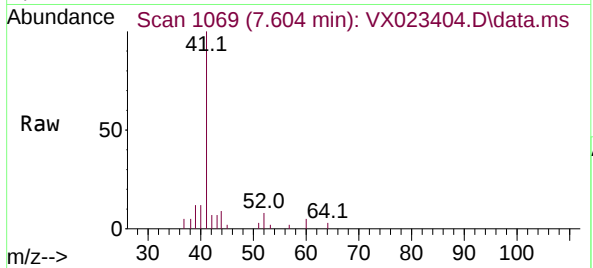




#48
Methyl methacrylate
Concen: 2.911 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

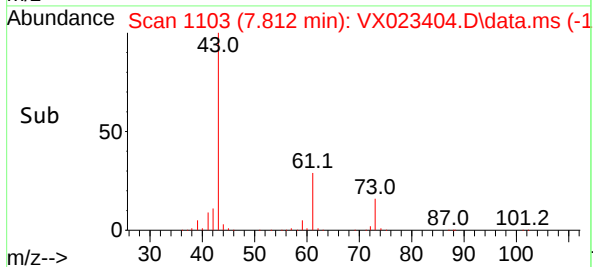
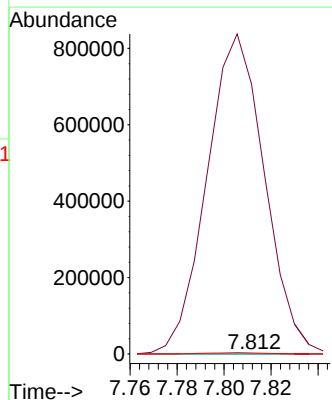
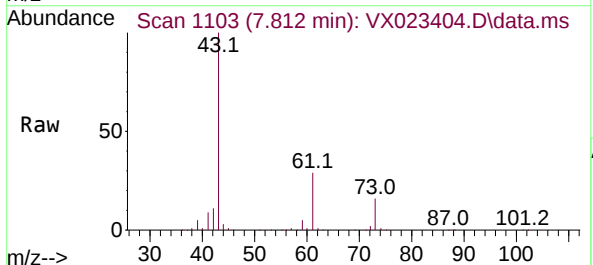
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

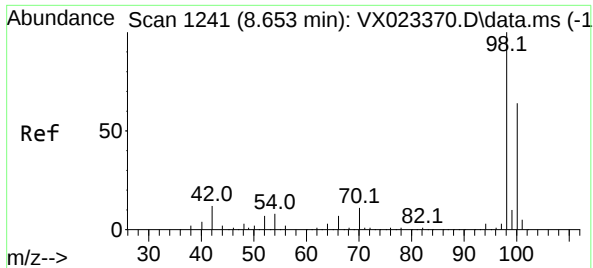
Tgt Ion: 41 Resp: 7196
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.085 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 668275.3 23.2 34.8#
58 2730.7 55.0 82.4#

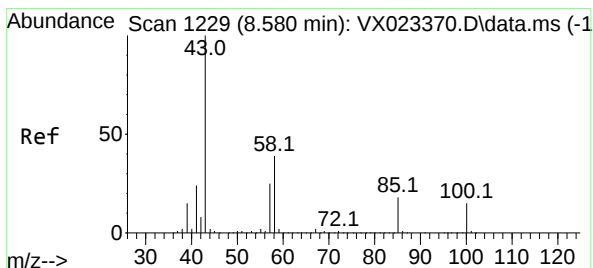
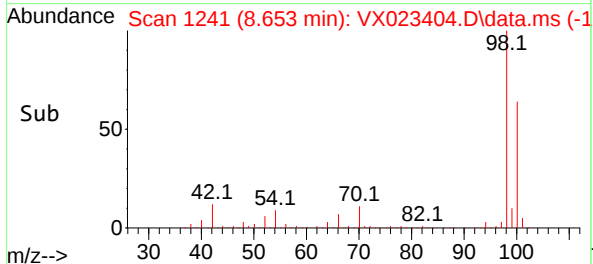
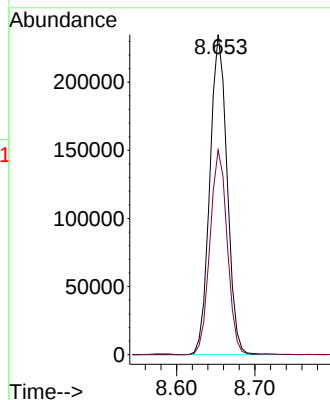
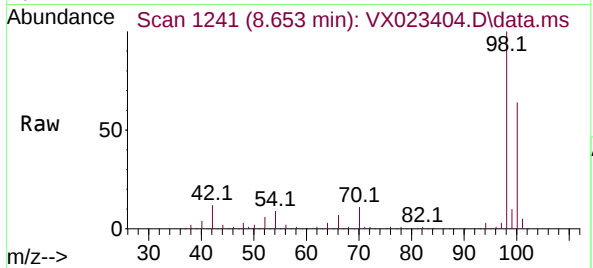




#50
Toluene-d8
Concen: 51.754 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

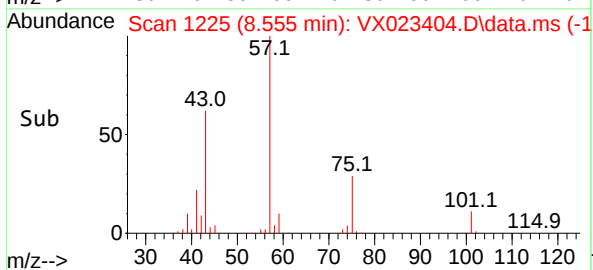
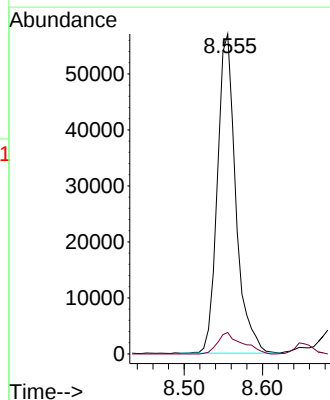
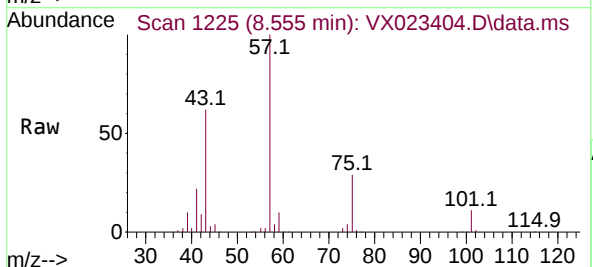
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

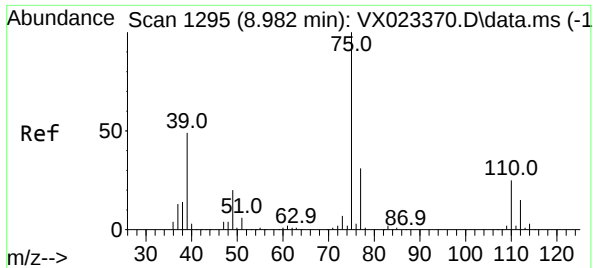
Tgt Ion: 98 Resp: 358993
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.525 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 43 Resp: 93113
Ion Ratio Lower Upper
43 100
58 8.9 35.4 53.0#

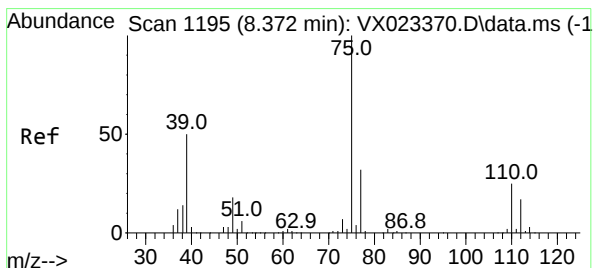
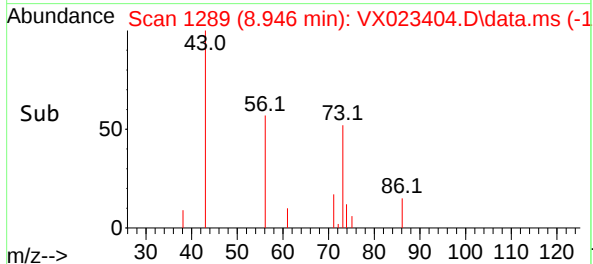
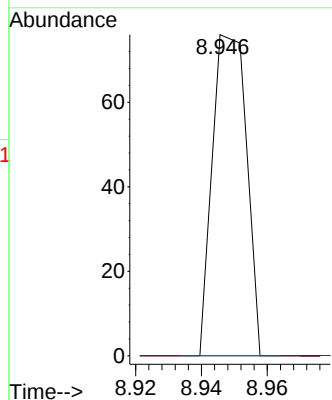
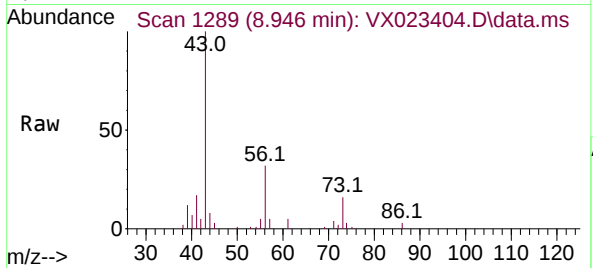




#53
t-1,3-Dichloropropene
Concen: 1.833 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.036 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

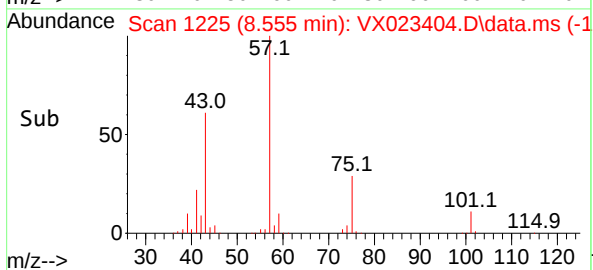
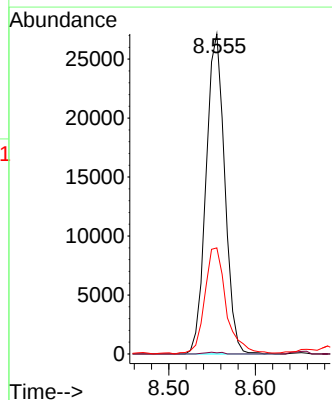
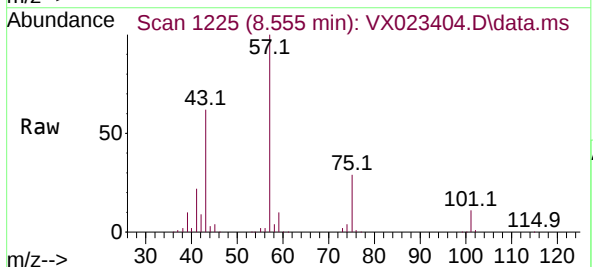
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

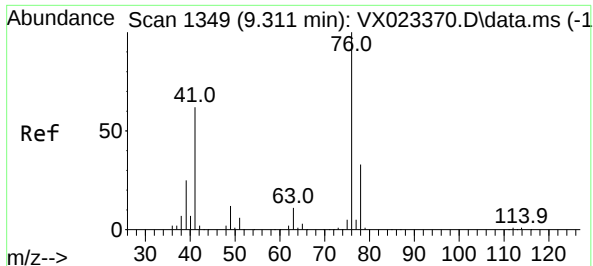
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 12.425 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 75 Resp: 40566
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 32.8 35.1 52.7#



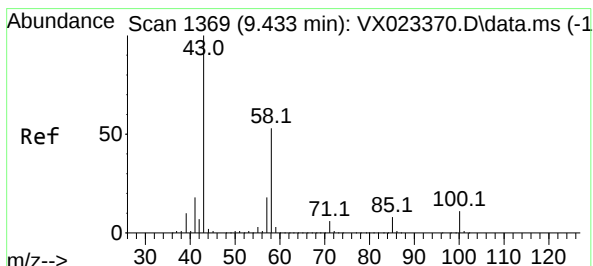
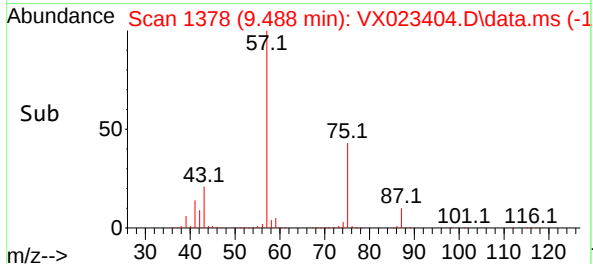
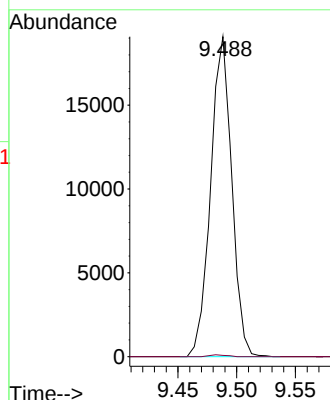
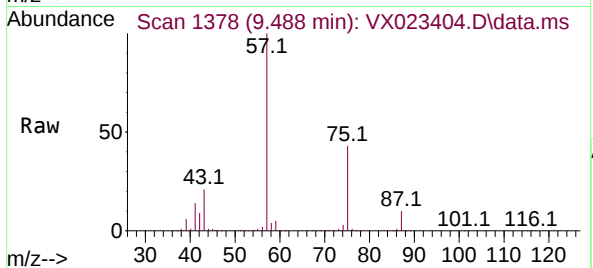


#57

1,3-Dichloropropane
Concen: 6.921 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

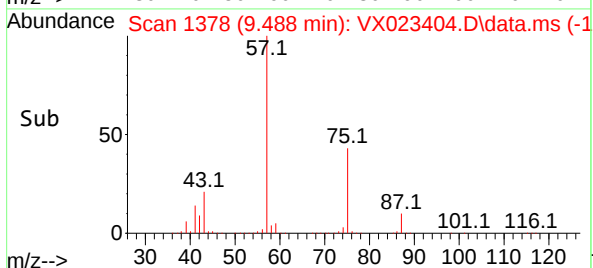
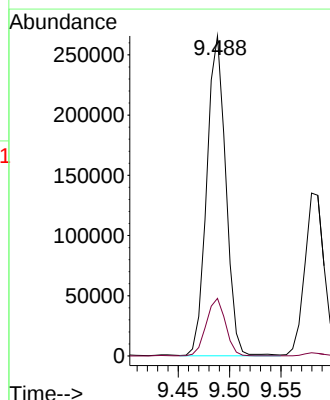
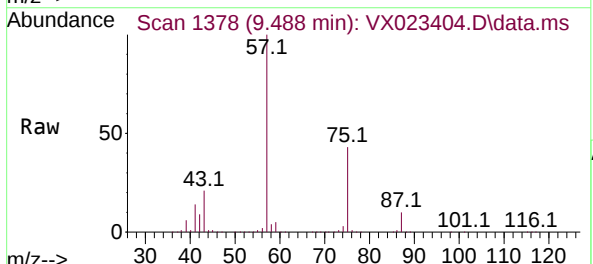
Tgt Ion: 76 Resp: 23896
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

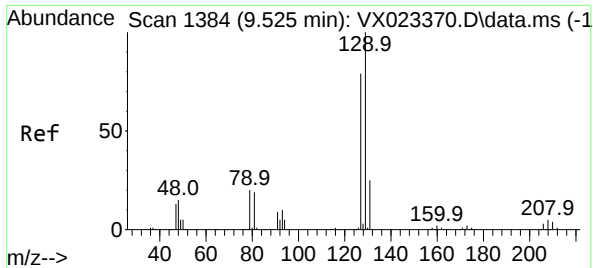


#59

2-Hexanone
Concen: 138.143 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 43 Resp: 342423
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

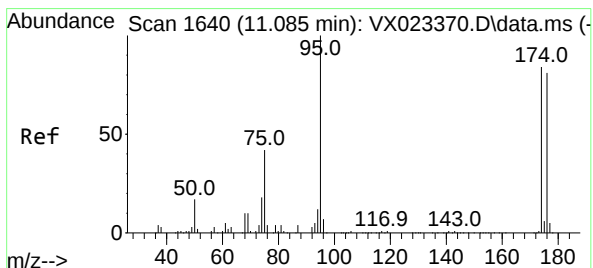
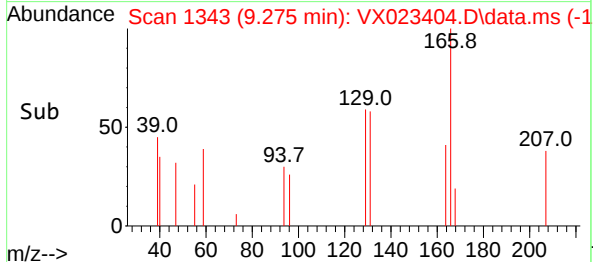
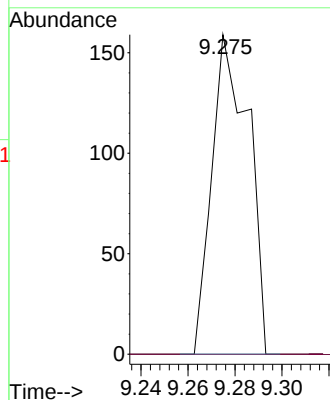
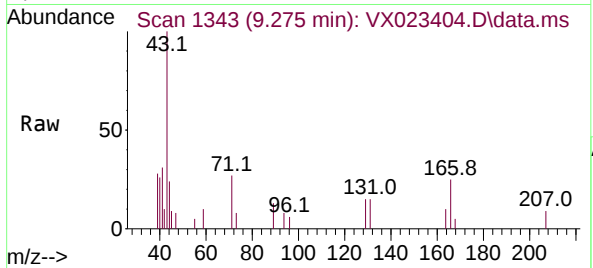




#60
Dibromochloromethane
Concen: 2.056 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

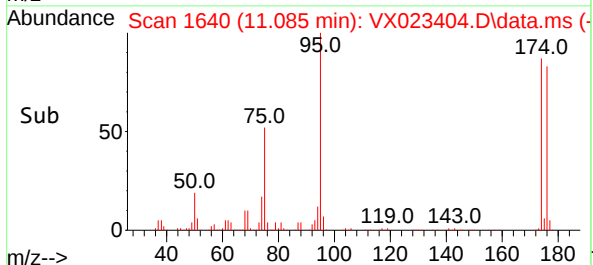
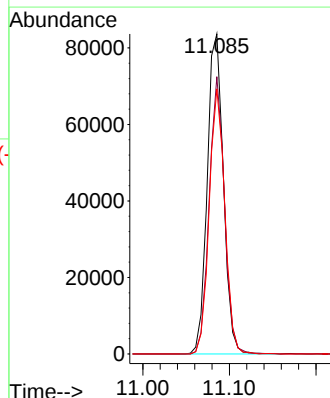
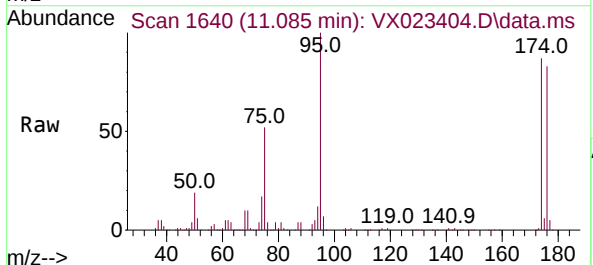
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

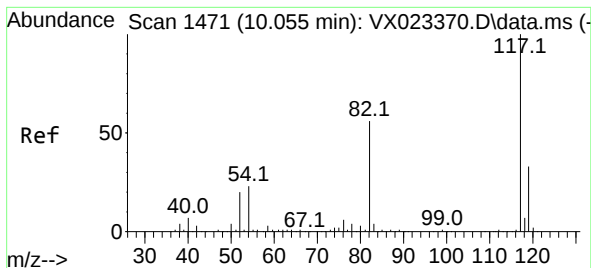
Tgt Ion:129 Resp: 172
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.940 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 95 Resp: 108359
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 79.7 0.0 155.8

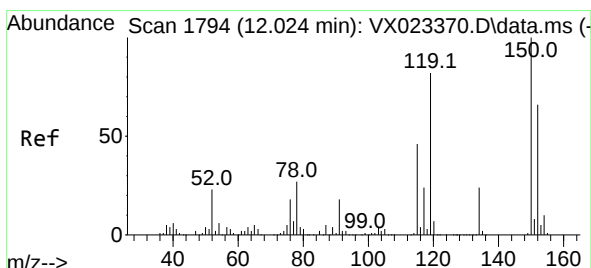
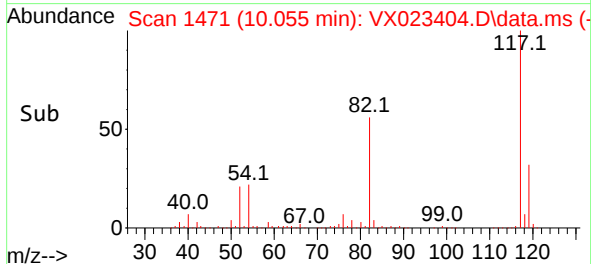
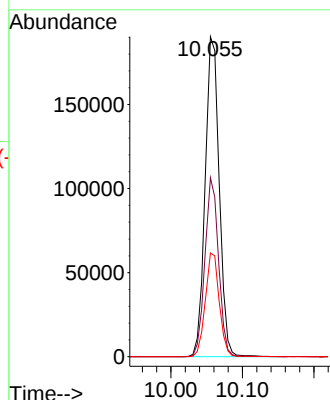
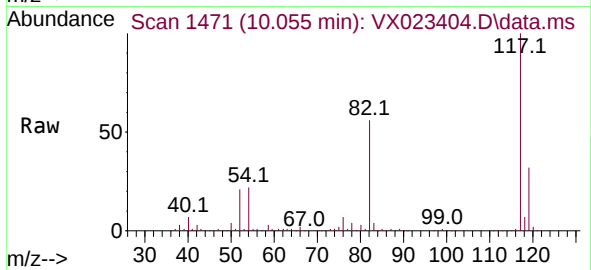




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

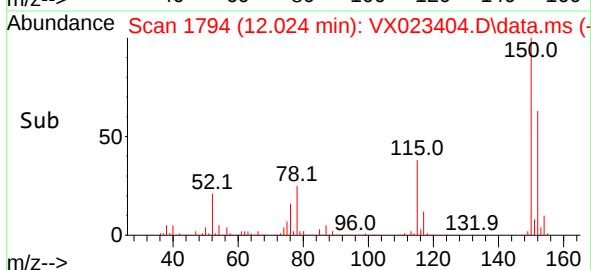
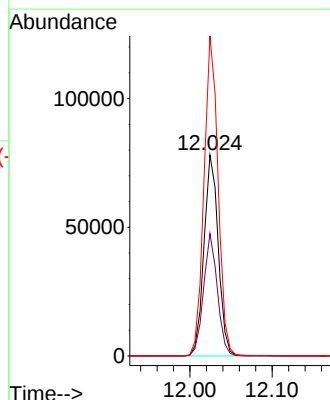
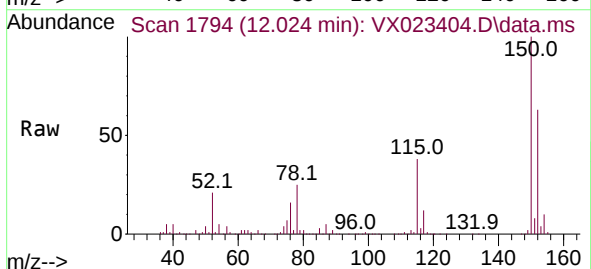
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

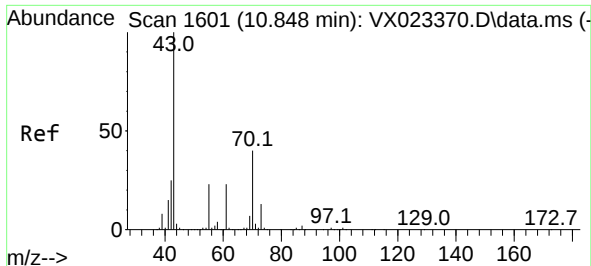
Tgt Ion:117 Resp: 260299
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion:152 Resp: 94311
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 156.5 0.0 349.0

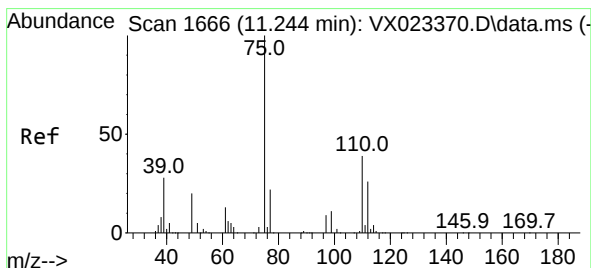
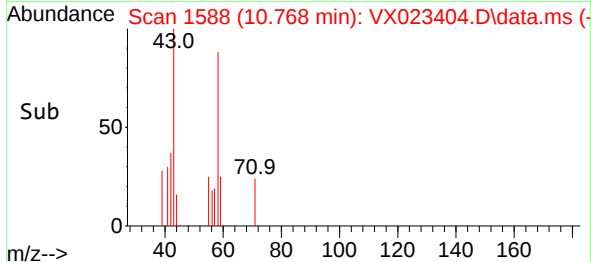
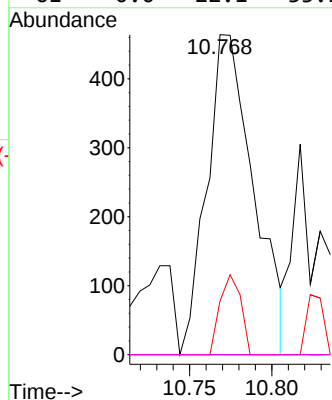
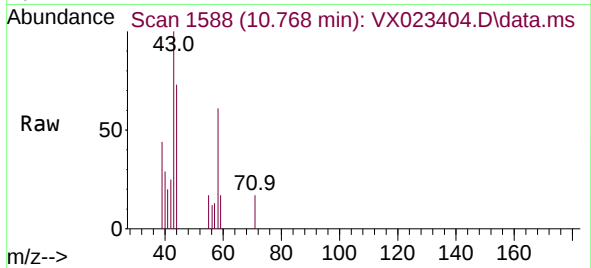




#74
N-ethyl acetate
Concen: 0.282 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

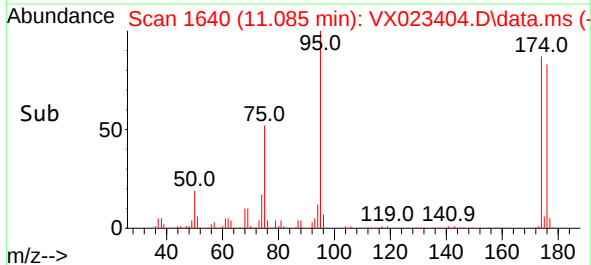
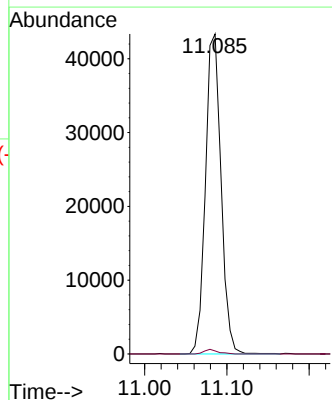
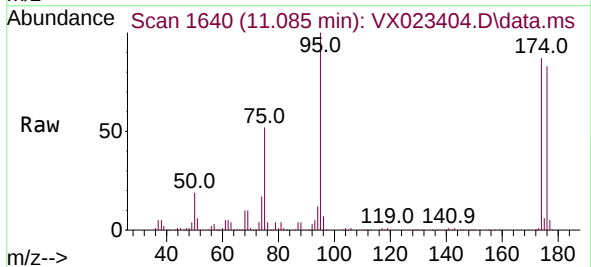
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

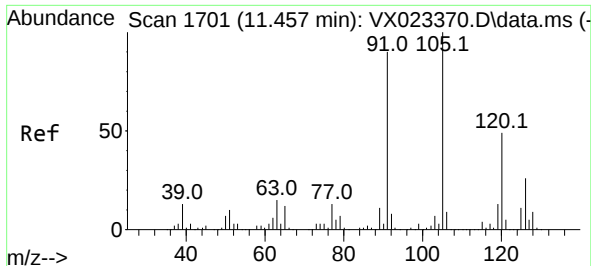
Tgt Ion: 43	Resp: 917
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 11.2	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.475 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 75	Resp: 57022
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#

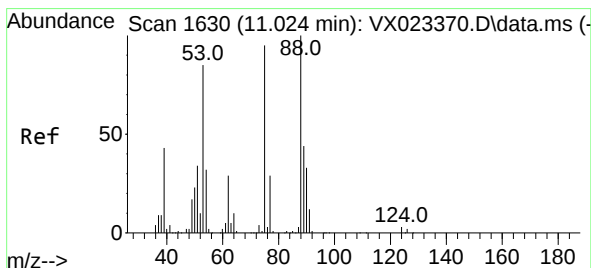
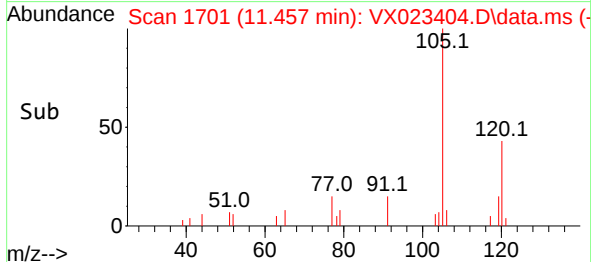
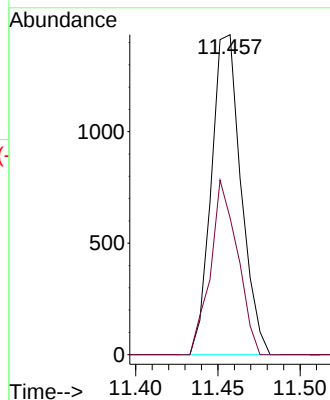
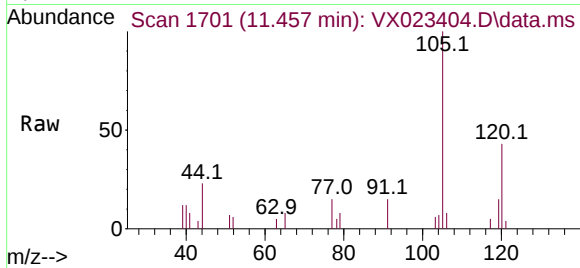




#80
1,3,5-Trimethylbenzene
Concen: 0.311 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#05

Tgt Ion:105 Resp: 1802
Ion Ratio Lower Upper
105 100
120 49.6 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 73.878 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023404.D
Acq: 23 Jul 2021 04:01

Tgt Ion: 75 Resp: 57022
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

