

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025820.D
 Acq On : 15 Dec 2021 17:26
 Operator : JC/MD
 Sample : PB141382TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382TB

Quant Time: Dec 16 07:30:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

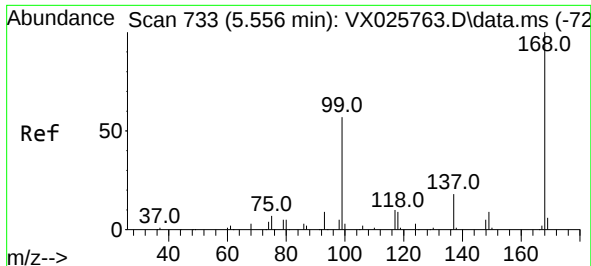
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	140448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96698	47.851	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.700%		
35) Dibromofluoromethane	5.391	113	79637	46.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.700%		
50) Toluene-d8	8.653	98	296186	47.312	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.620%		
62) 4-Bromofluorobenzene	11.085	95	103969	43.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.440%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	364	0.223	ug/l #	43
6) Chloroethane	1.630	64	404	0.321	ug/l #	42
11) Tert butyl alcohol	2.953	59	3561	8.785	ug/l #	76
16) Acetone	2.380	43	7396	Below Cal		98
18) Methyl Acetate	2.703	43	742	0.241	ug/l #	66
25) 2-Butanone	4.568	43	4650	3.421	ug/l #	86
29) Tetrahydrofuran	5.038	42	555	0.642	ug/l #	45
31) Cyclohexane	5.556	56	3339	1.359	ug/l #	36
36) 1,1-Dichloropropene	5.562	75	11560	4.961	ug/l #	50
37) Ethyl Acetate	4.568	43	4650	1.796	ug/l #	69
38) Carbon Tetrachloride	5.562	117	15006	5.535	ug/l #	14
41) Methacrylonitrile	5.032	41	432	0.302	ug/l #	41
43) Isopropyl Acetate	6.348	43	12434	2.981	ug/l	97
48) Methyl methacrylate	7.598	41	4163	2.120	ug/l #	12
49) 1,4-Dioxane	7.793	88	85	1.982	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47715	17.476	ug/l #	50
52) Toluene	8.726	92	912	0.206	ug/l	90
54) cis-1,3-Dichloropropene	8.555	75	22012	7.852	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	14327	4.599	ug/l #	43
59) 2-Hexanone	9.488	43	189046	91.385	ug/l #	51
74) N-amyl acetate	10.781	43	808	0.290	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	53076	24.242	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53076	75.157	ug/l #	10
95) Naphthalene	13.780	128	67	2.421	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration

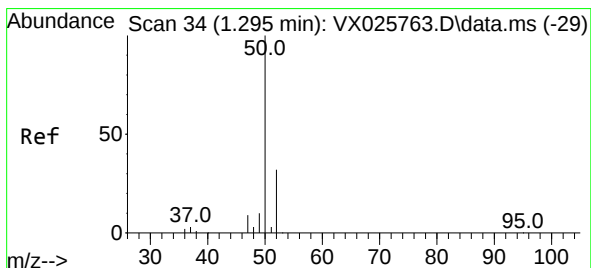
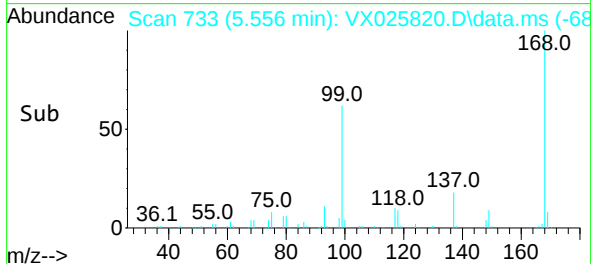
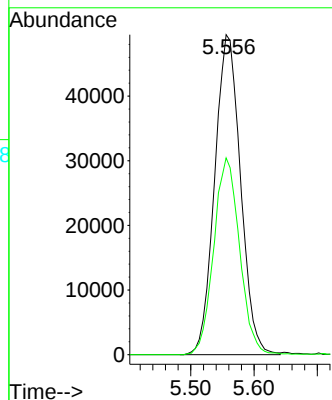
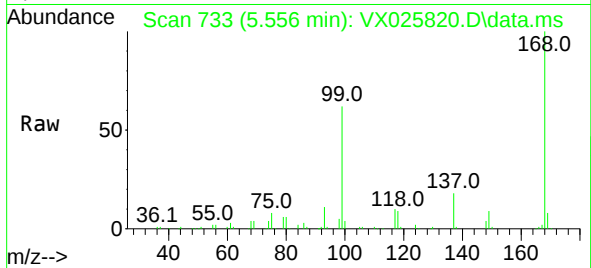




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

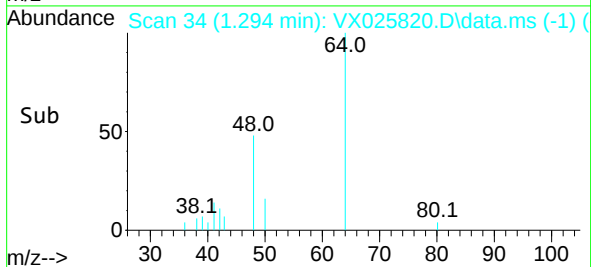
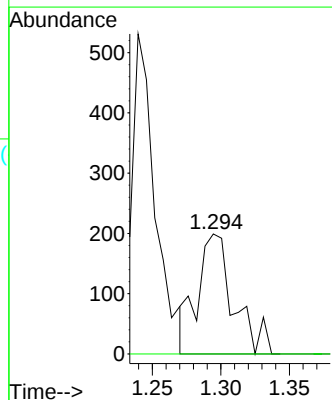
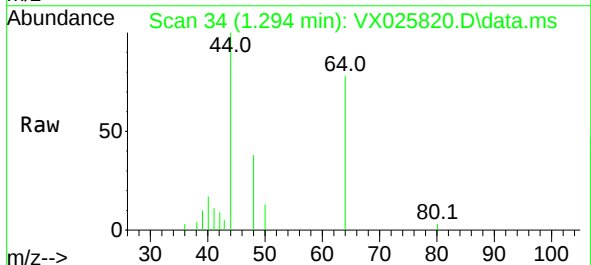
Instrument :
MSVOA_X
ClientSampleId :
PB141382TB

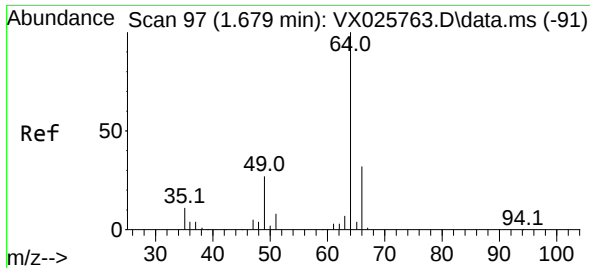
Tgt Ion:168 Resp: 140448
Ion Ratio Lower Upper
168 100
99 61.5 45.8 68.8



#3
Chloromethane
Concen: 0.223 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 50 Resp: 364
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

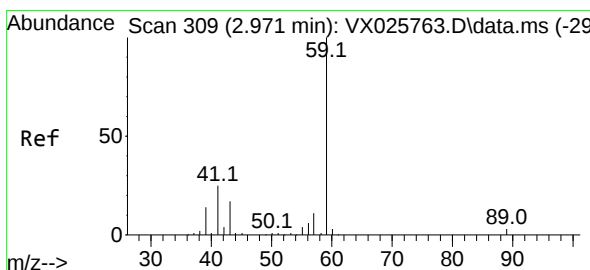
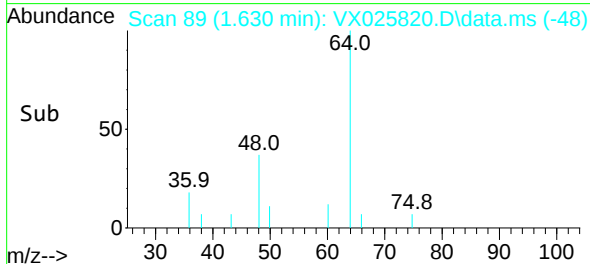
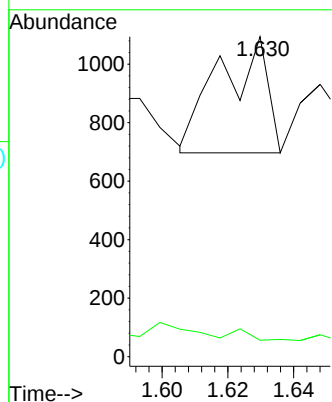
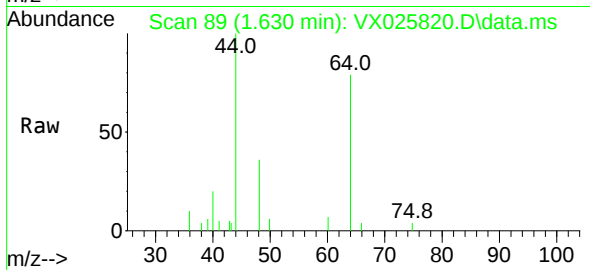




#6
Chloroethane
Concen: 0.321 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.049 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

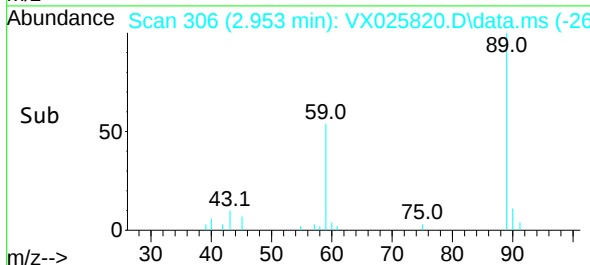
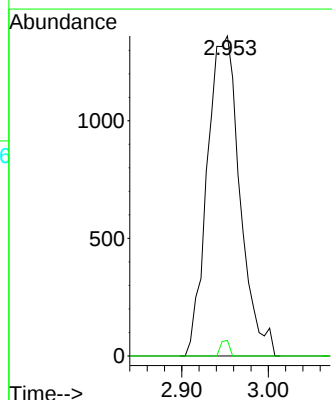
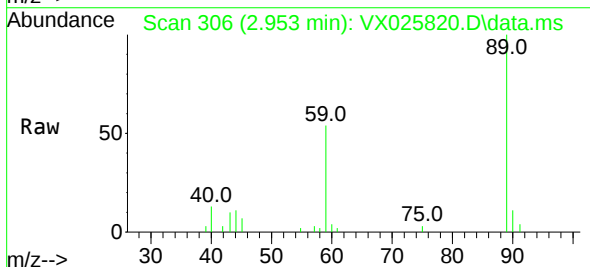
Instrument :
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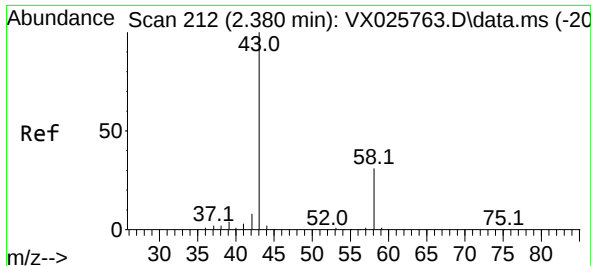
Tgt Ion: 64 Resp: 404
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 8.785 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 59 Resp: 3561
Ion Ratio Lower Upper
59 100
57 1.3 8.2 12.2#

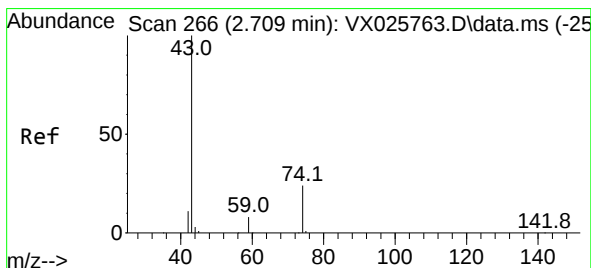
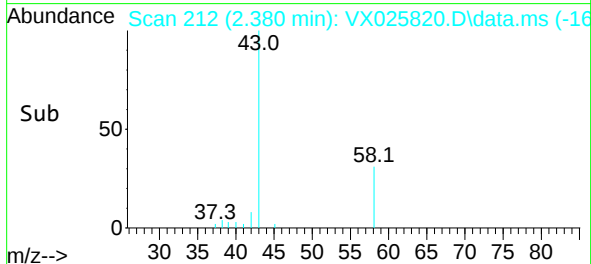
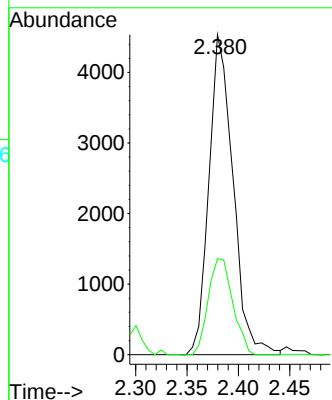
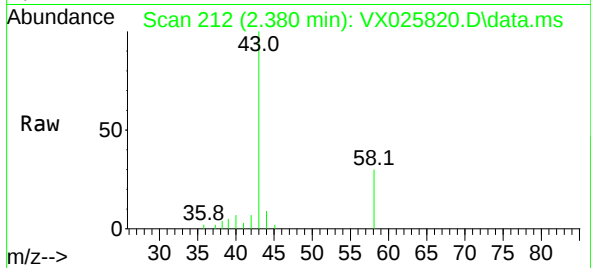




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

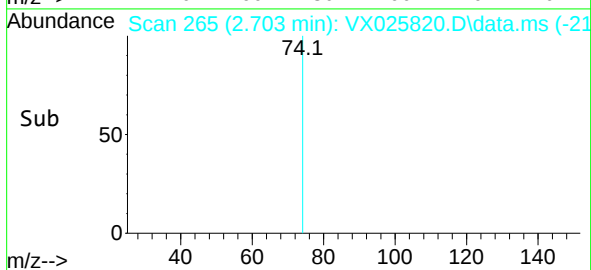
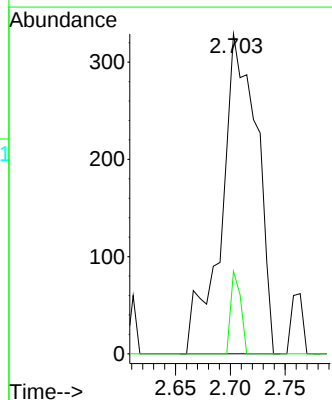
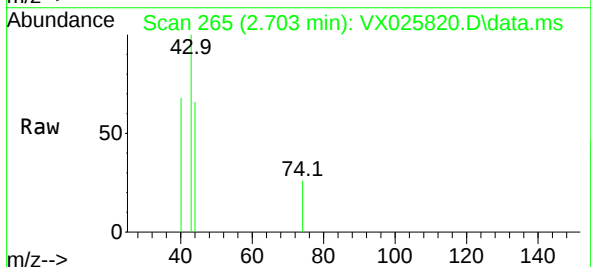
Instrument :
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ClientSampleId :
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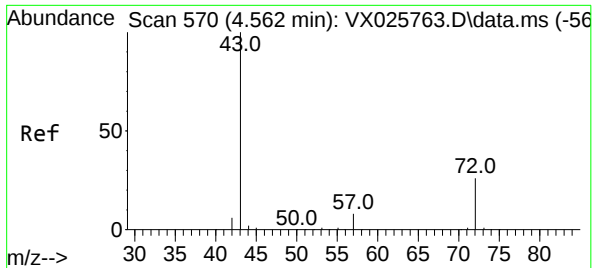
Tgt Ion: 43 Resp: 7396
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2



#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
74 7.1 19.1 28.7#

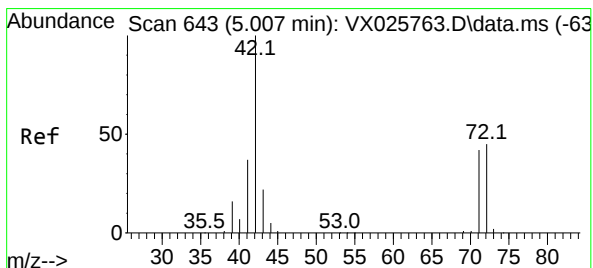
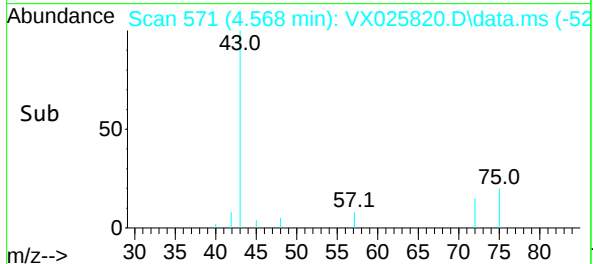
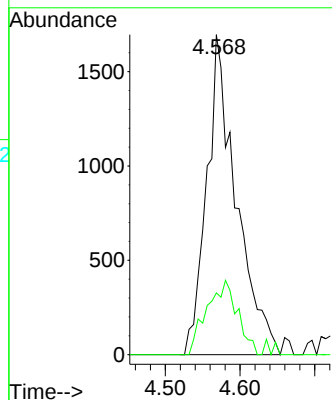
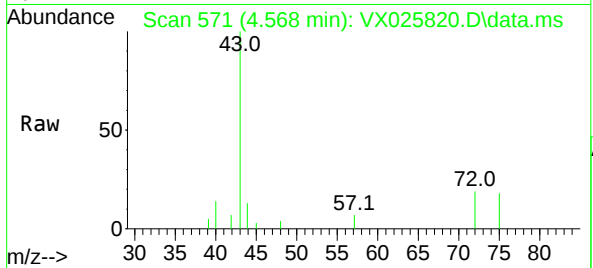




#25
2-Butanone
Concen: 3.421 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

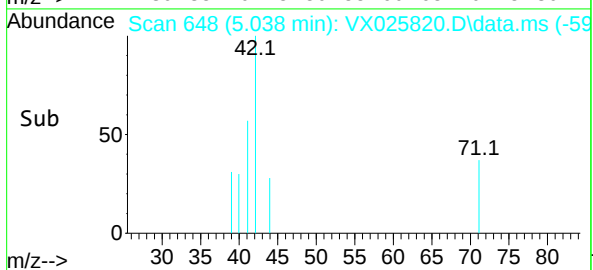
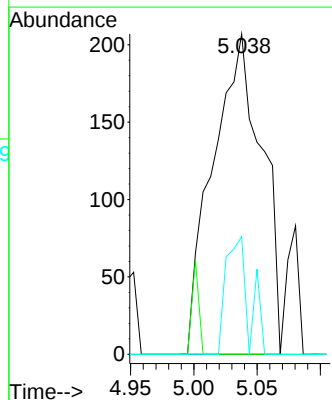
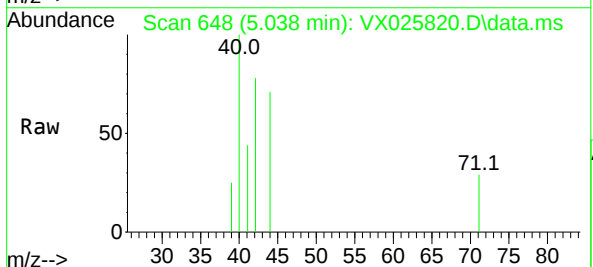
Instrument :
MSVOA_X
ClientSampleId :
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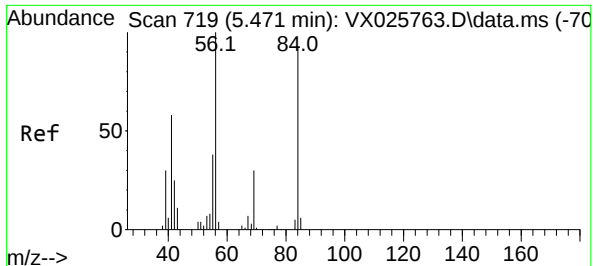
Tgt Ion: 43 Resp: 4650
Ion Ratio Lower Upper
43 100
72 19.3 21.0 31.4#



#29
Tetrahydrofuran
Concen: 0.642 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 42 Resp: 555
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.6#
71 17.3 34.1 51.1#

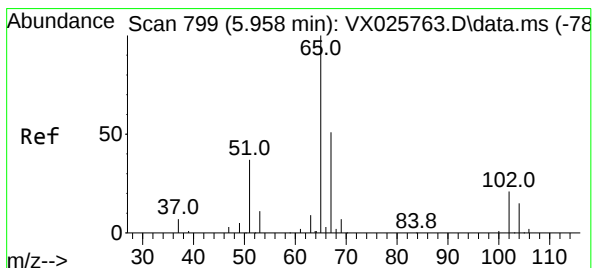
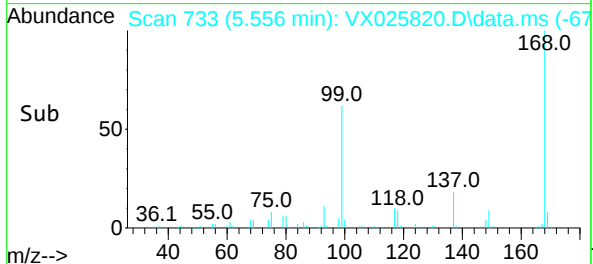
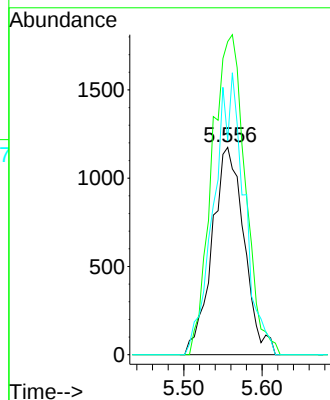
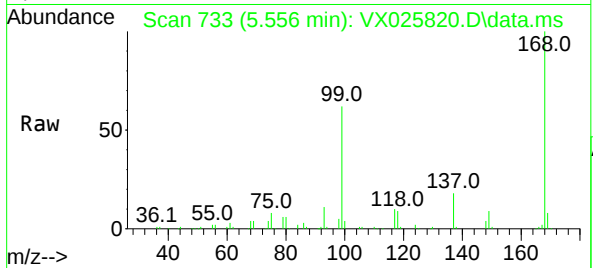




#31
Cyclohexane
Concen: 1.359 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

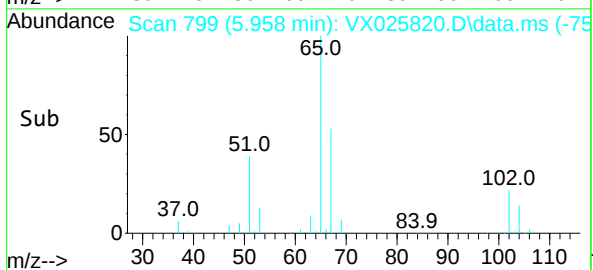
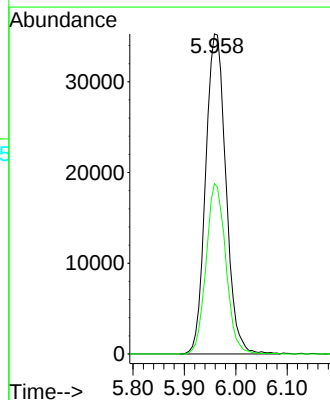
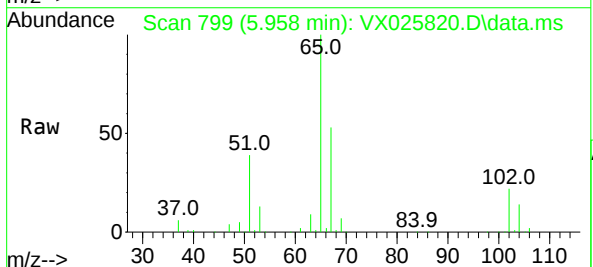
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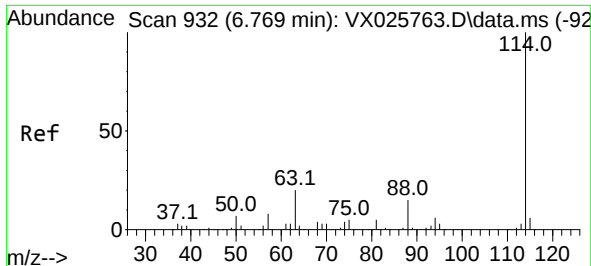
Tgt Ion: 56 Resp: 3339
Ion Ratio Lower Upper
56 100
69 151.0 23.9 35.9#
84 103.2 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 47.851 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 65 Resp: 96698
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4

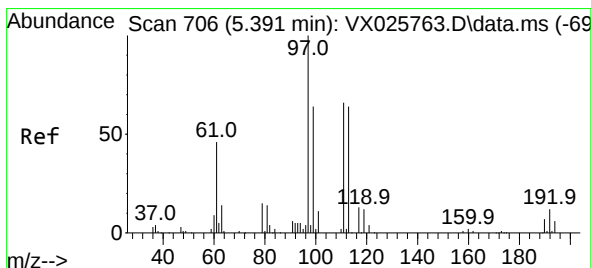
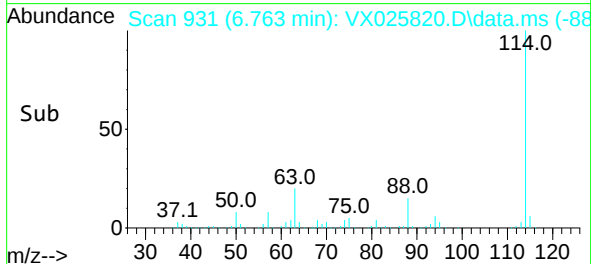
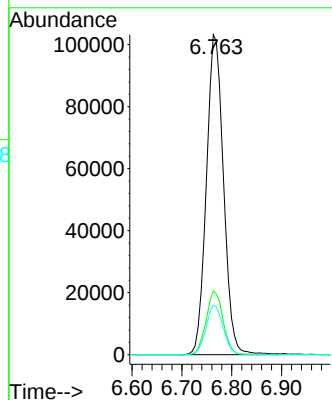
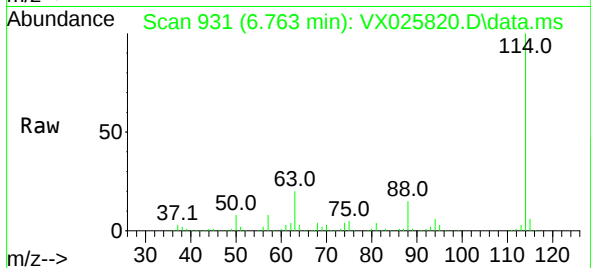




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

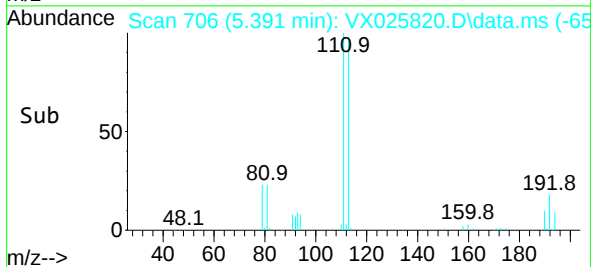
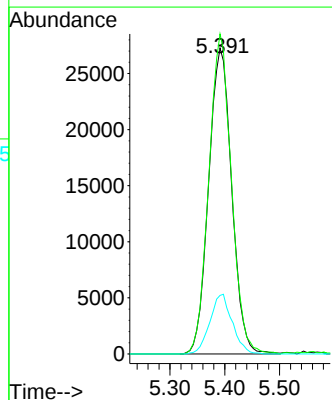
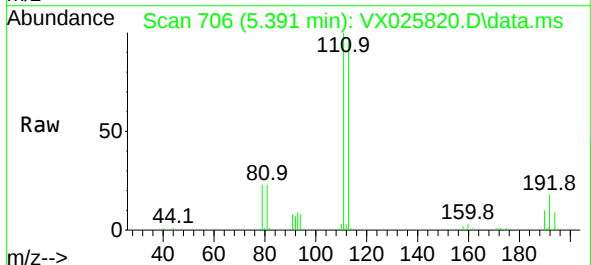
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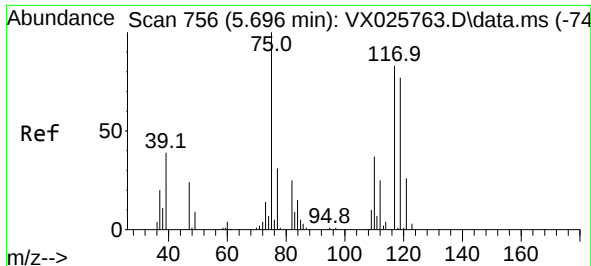
Tgt Ion:114 Resp: 246368
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.0
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.349 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion:113 Resp: 79637
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 18.9 15.0 22.4

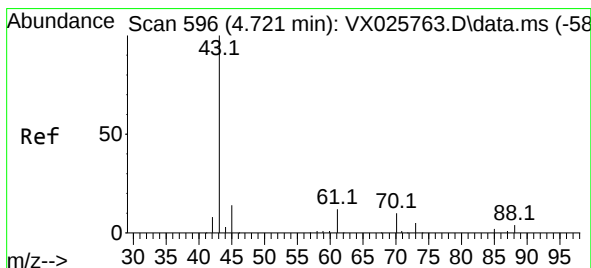
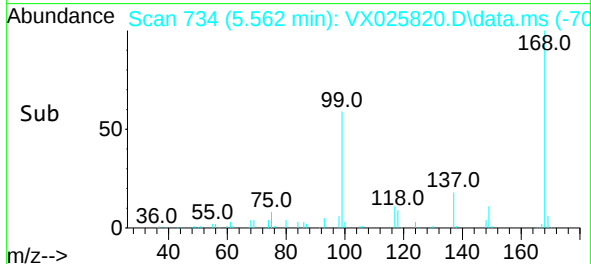
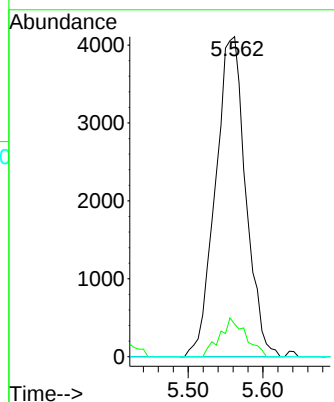
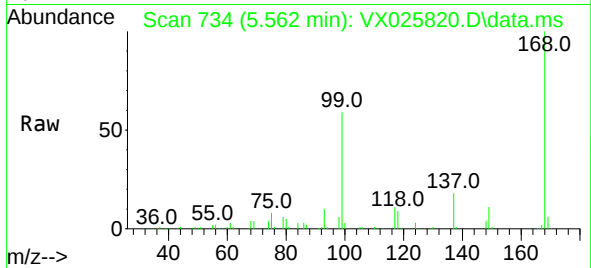




#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 5.562 min Scan# 711
 Delta R.T. -0.134 min
 Lab File: VX025820.D
 Acq: 15 Dec 2021 17:26

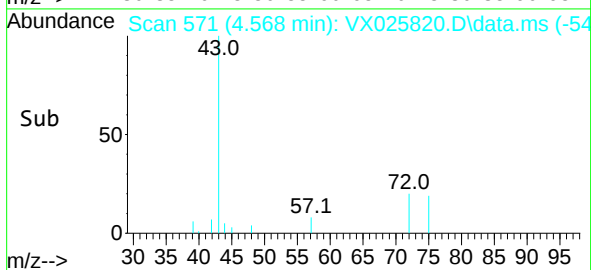
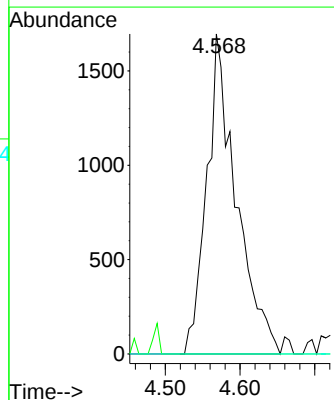
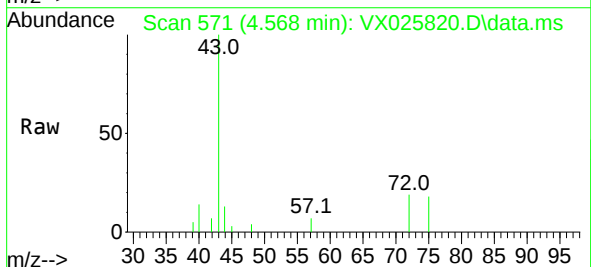
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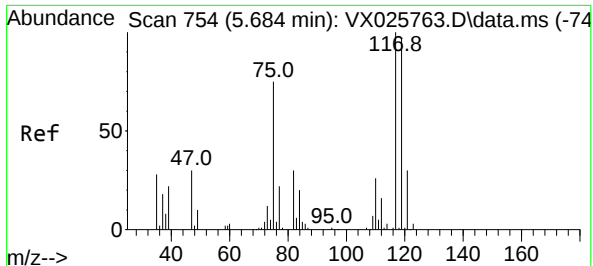
Tgt Ion: 75 Resp: 11560
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.2 54.6#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.796 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. -0.152 min
 Lab File: VX025820.D
 Acq: 15 Dec 2021 17:26

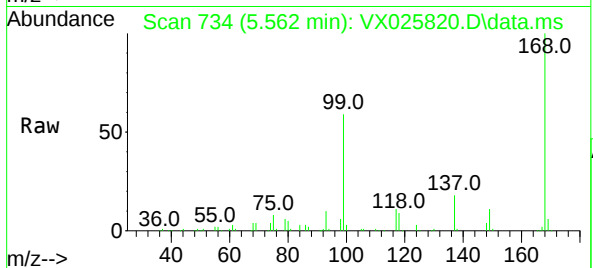
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 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 8.5 12.7#



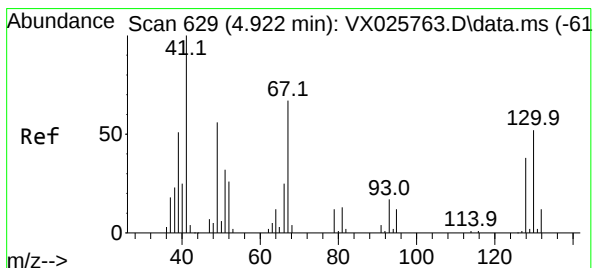
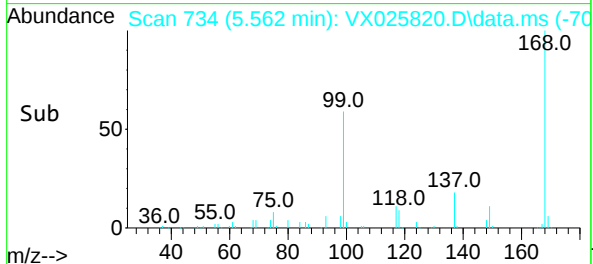
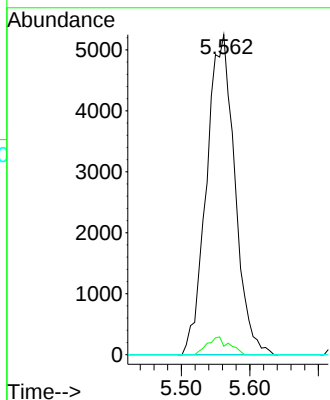


#38
Carbon Tetrachloride
Concen: 5.535 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB141382TB

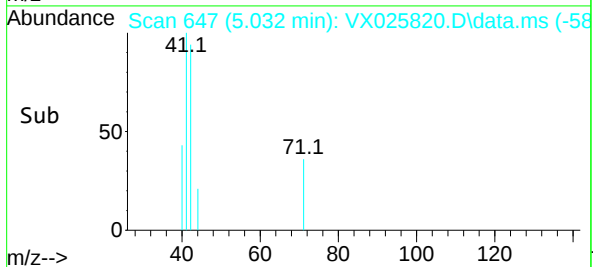
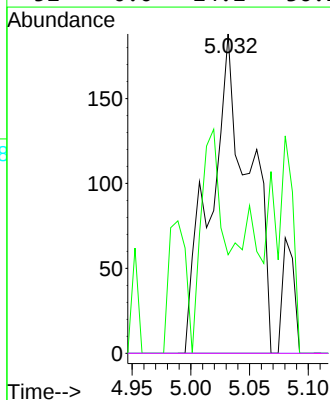
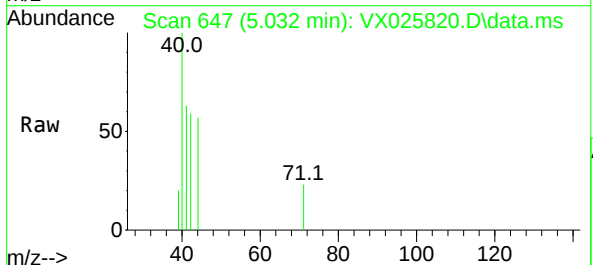


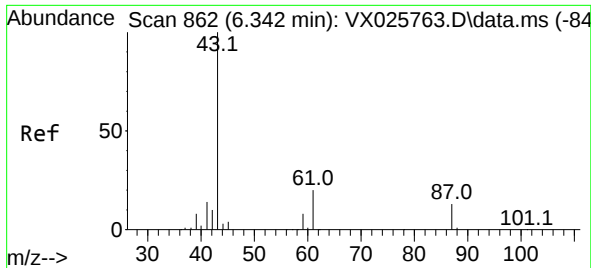
Tgt Ion:117 Resp: 15006
Ion Ratio Lower Upper
117 100
119 2.6 77.2 115.8#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 0.302 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 41 Resp: 432
Ion Ratio Lower Upper
41 100
39 38.7 44.2 66.2#
67 0.0 59.7 89.5#
52 0.0 24.2 36.2#

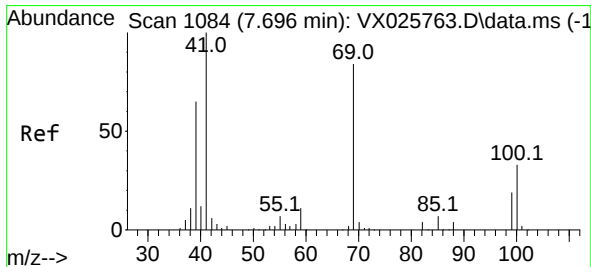
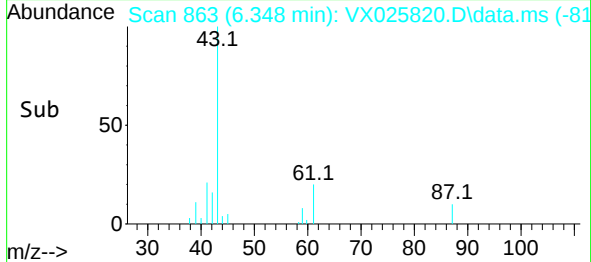
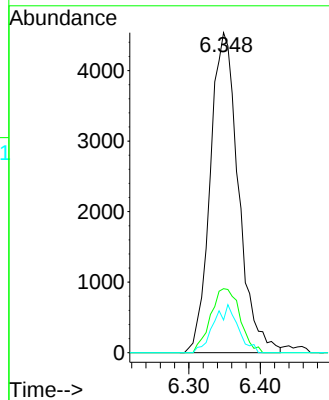
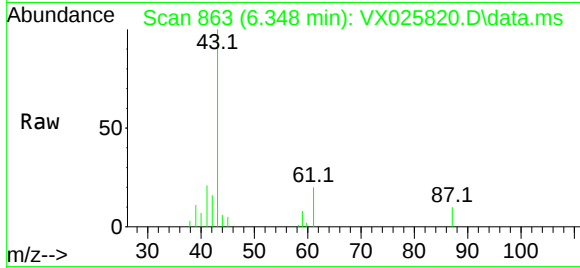




#43
Isopropyl Acetate
Concen: 2.981 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

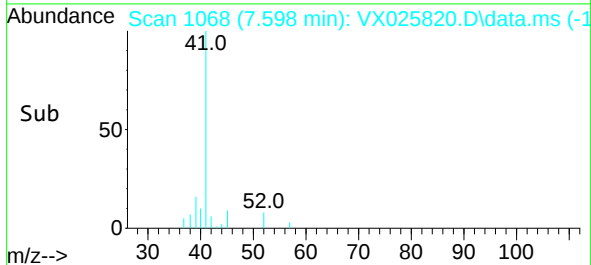
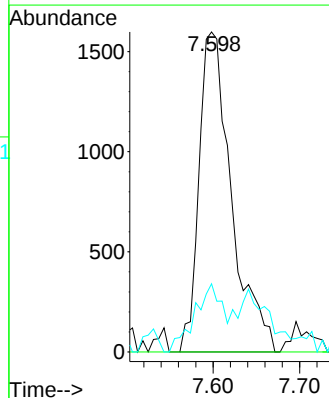
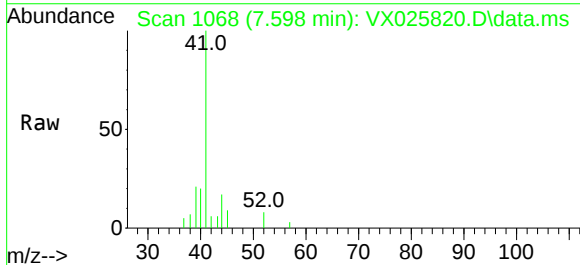
Instrument :
MSVOA_X
ClientSampleId :
PB141382TB

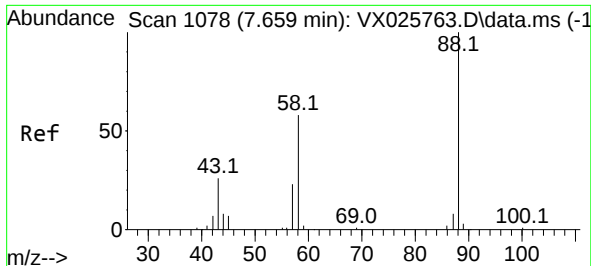
Tgt Ion: 43 Resp: 12434
Ion Ratio Lower Upper
43 100
61 20.7 15.7 23.5
87 12.9 11.2 16.8



#48
Methyl methacrylate
Concen: 2.120 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 41 Resp: 4163
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#

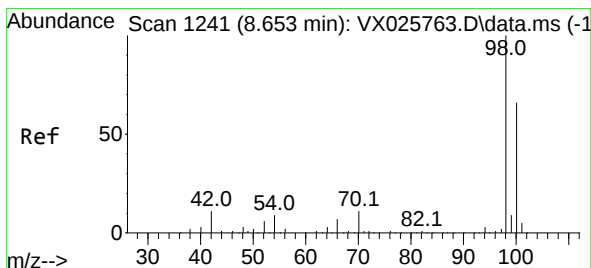
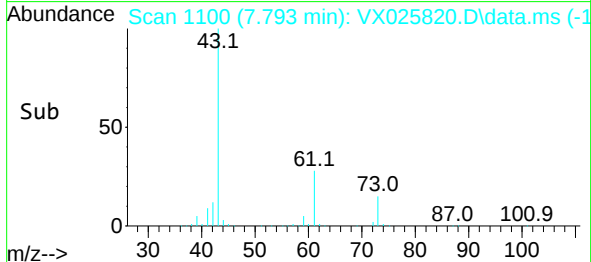
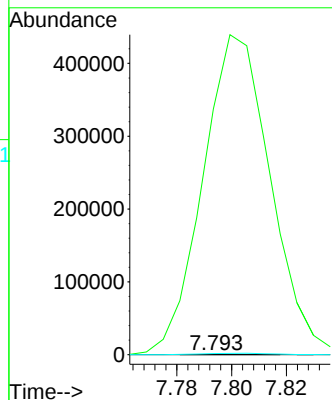
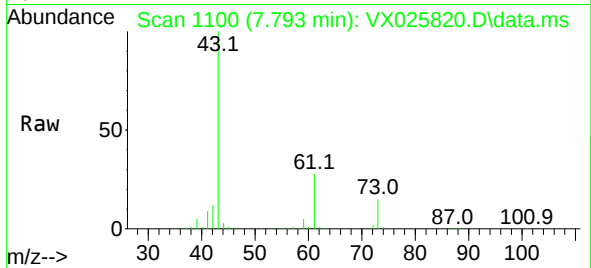




#49
1,4-Dioxane
Concen: 1.982 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

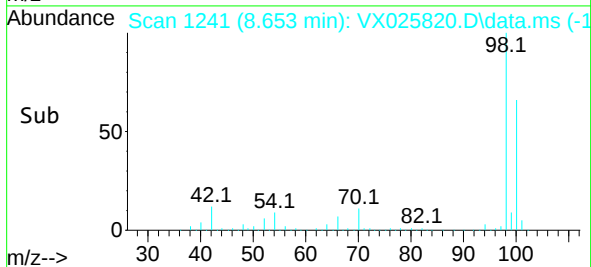
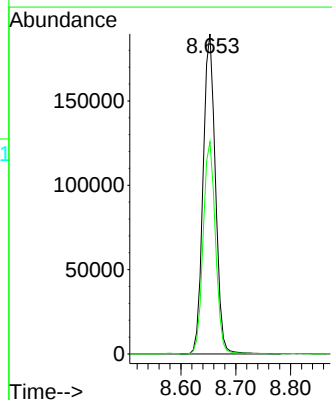
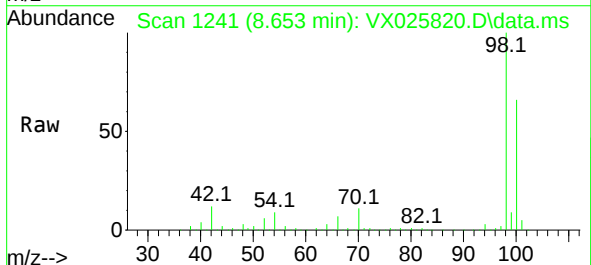
Instrument :
MSVOA_X
ClientSampleId :
PB141382TB

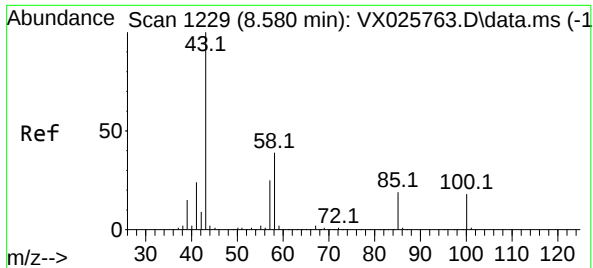
Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 898375.3 25.3 37.9#
58 4043.5 51.8 77.6#



#50
Toluene-d8
Concen: 47.312 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 98 Resp: 296186
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

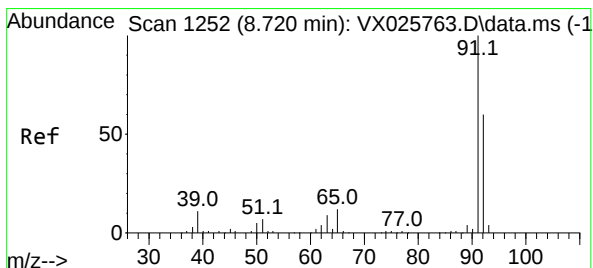
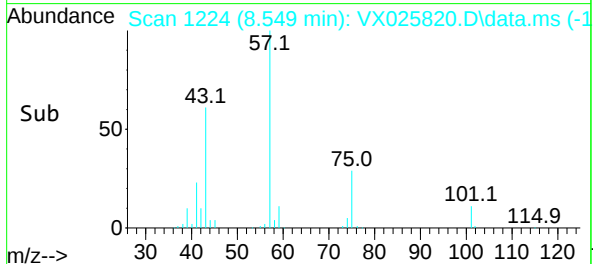
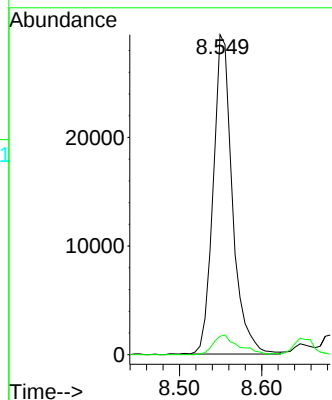
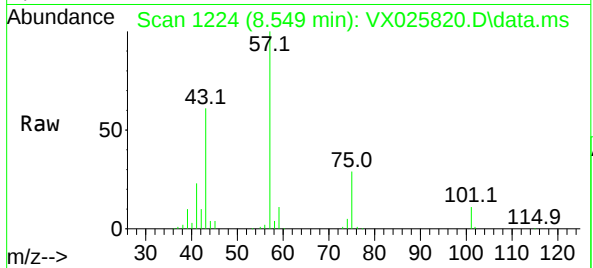




#51
4-Methyl-2-Pentanone
Concen: 17.476 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

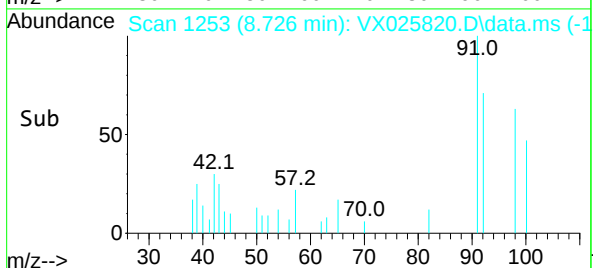
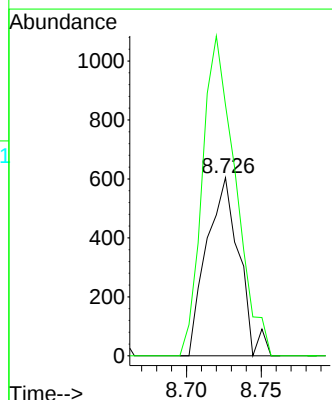
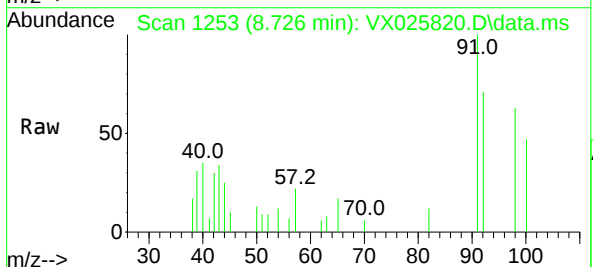
Instrument :
MSVOA_X
ClientSampleId :
PB141382TB

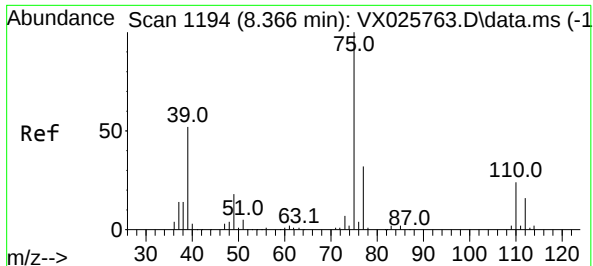
Tgt Ion: 43 Resp: 47715
Ion Ratio Lower Upper
43 100
58 8.0 30.8 46.2#



#52
Toluene
Concen: 0.206 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 92 Resp: 912
Ion Ratio Lower Upper
92 100
91 183.6 136.0 204.0





#54

cis-1,3-Dichloropropene

Concen: 7.852 ug/l

RT: 8.555 min Scan# 11

Delta R.T. 0.189 min

Lab File: VX025820.D

Acq: 15 Dec 2021 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB141382TB

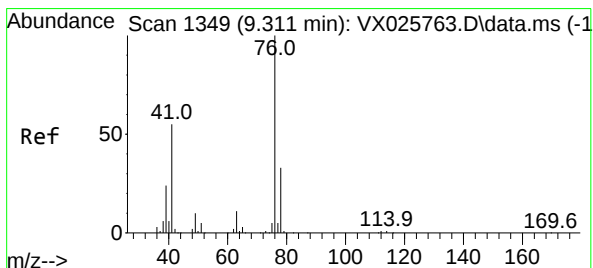
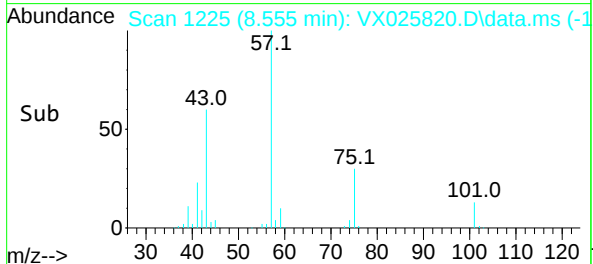
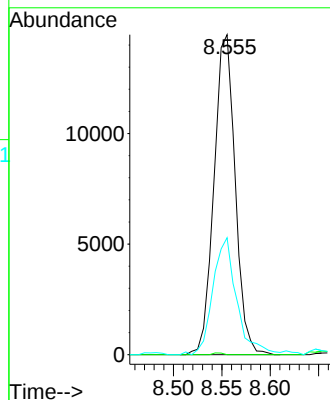
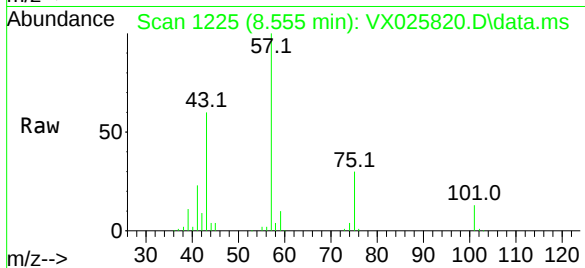
Tgt Ion: 75 Resp: 22012

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 36.6 41.4 62.0#



#57

1,3-Dichloropropane

Concen: 4.599 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX025820.D

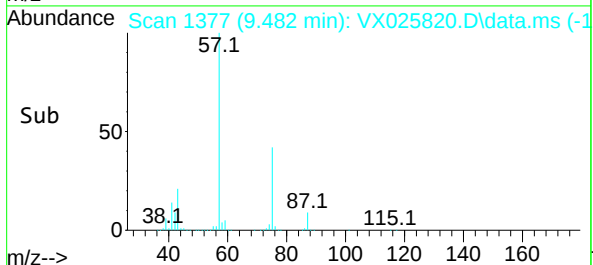
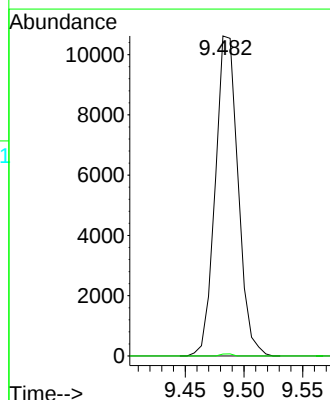
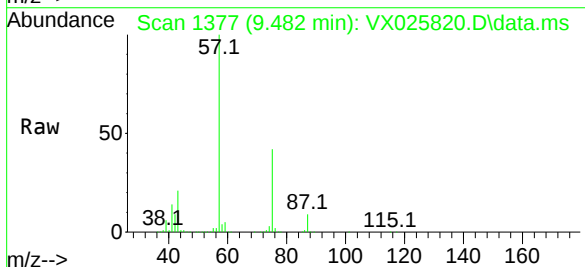
Acq: 15 Dec 2021 17:26

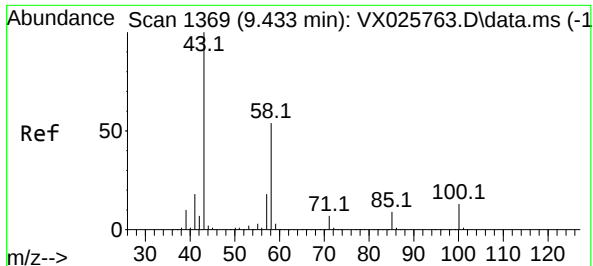
Tgt Ion: 76 Resp: 14327

Ion Ratio Lower Upper

76 100

78 0.3 26.0 39.0#





#59

2-Hexanone

Concen: 91.385 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX025820.D

Acq: 15 Dec 2021 17:26

Instrument :

MSVOA_X

ClientSampleId :

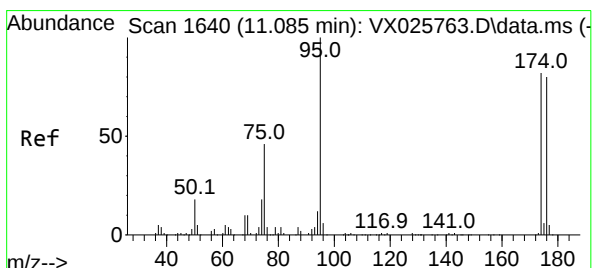
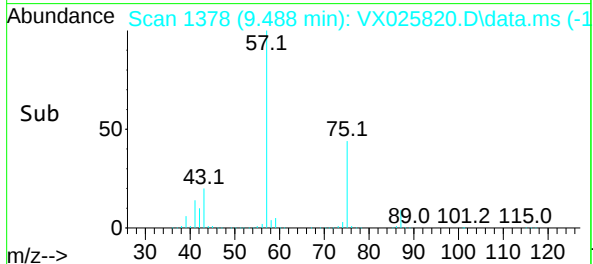
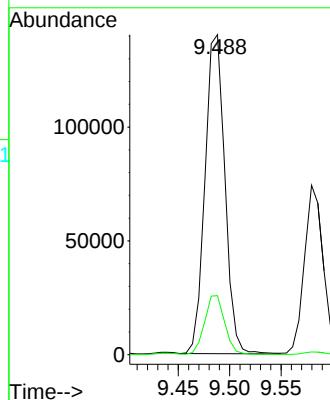
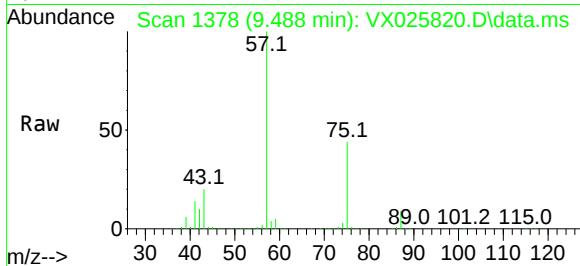
PB141382TB

Tgt Ion: 43 Resp: 189046

Ion Ratio Lower Upper

43 100

58 19.0 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 43.720 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025820.D

Acq: 15 Dec 2021 17:26

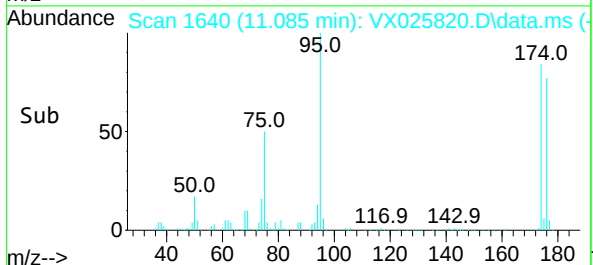
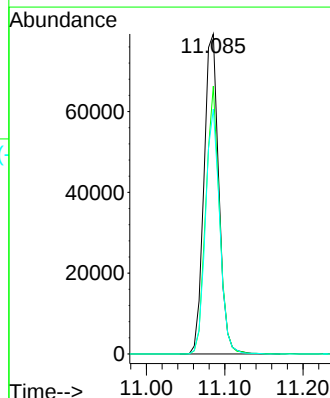
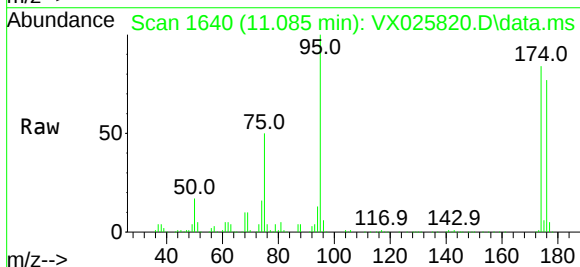
Tgt Ion: 95 Resp: 103969

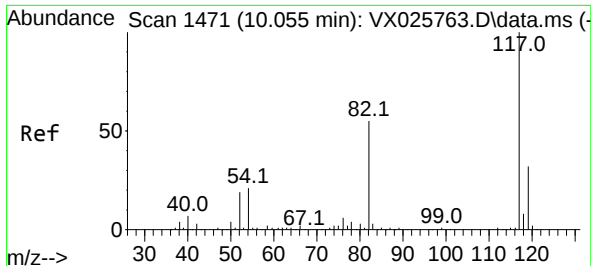
Ion Ratio Lower Upper

95 100

174 76.9 0.0 157.4

176 73.6 0.0 154.6

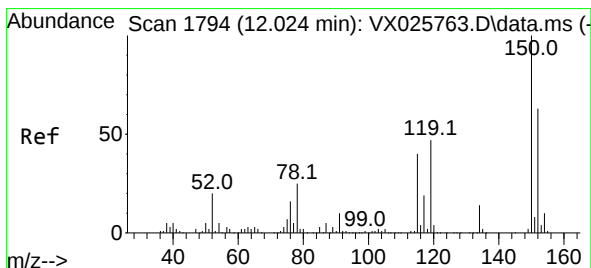
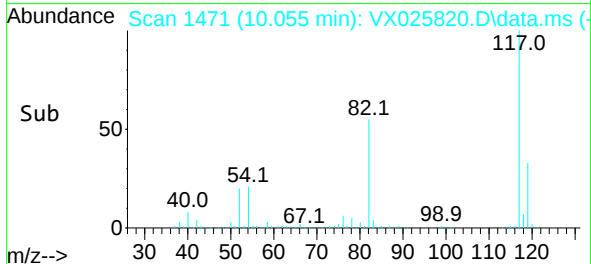
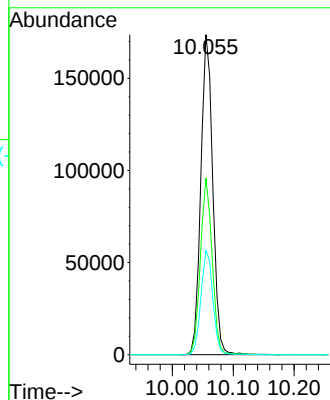
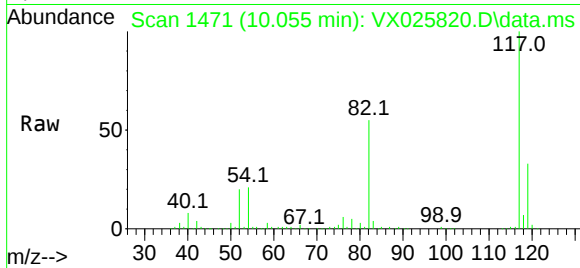




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

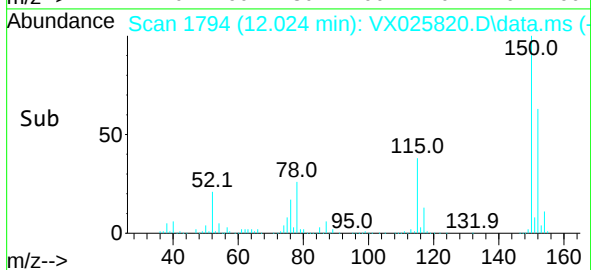
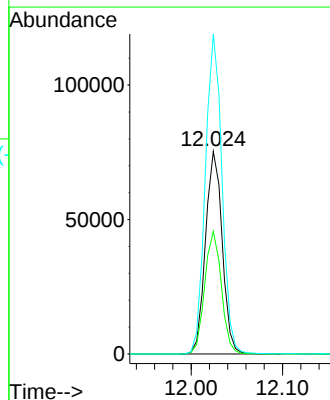
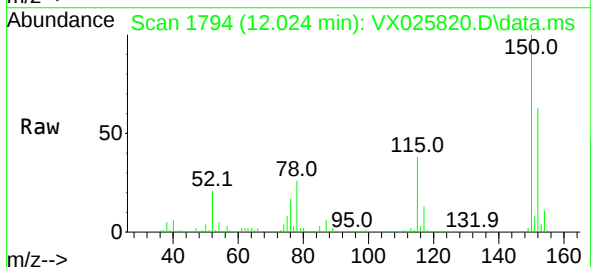
Instrument :
MSVOA_X
ClientSampleId :
PB141382TB

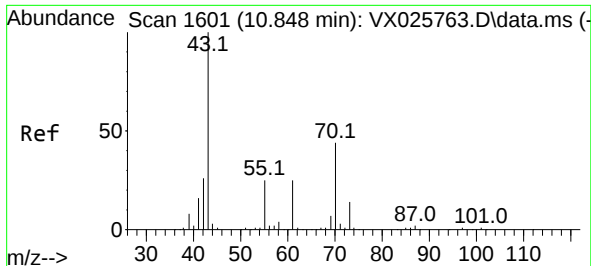
Tgt Ion:117 Resp: 235736
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.6
119 32.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion:152 Resp: 95559
Ion Ratio Lower Upper
152 100
115 60.3 41.3 123.9
150 157.0 0.0 351.8

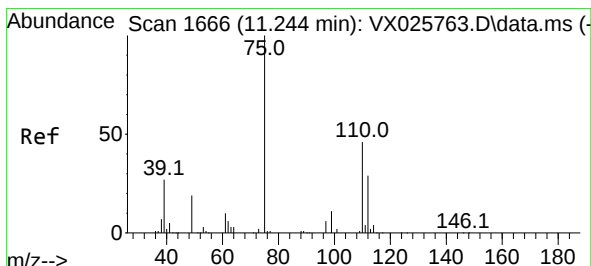
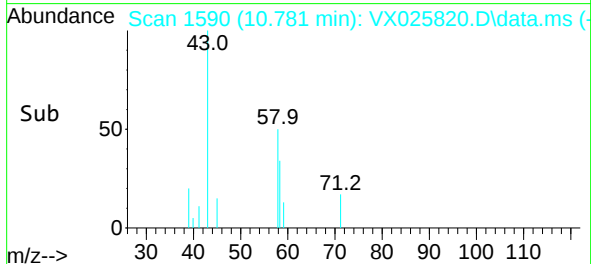
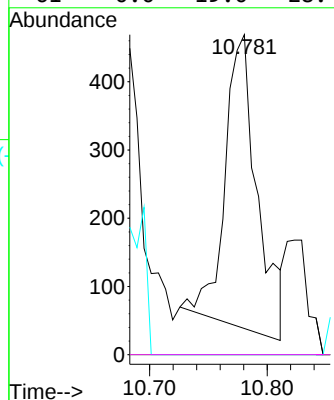
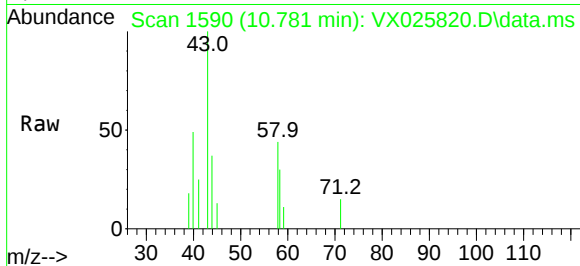




#74
N-amy1 acetate
Concen: 0.290 ug/l
RT: 10.781 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

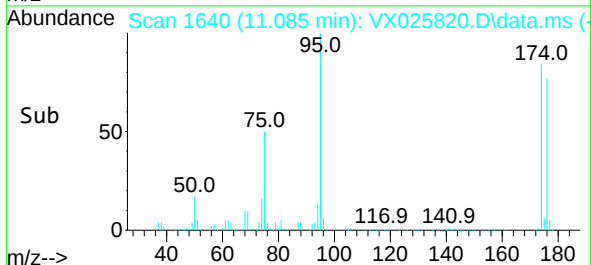
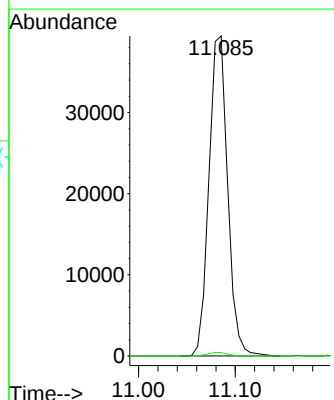
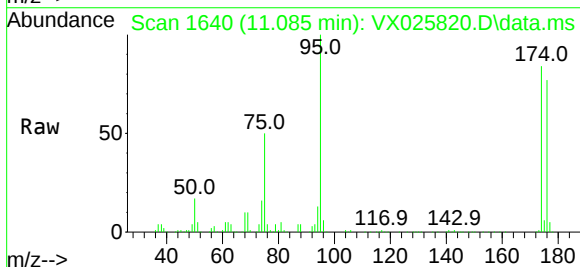
Instrument :
MSVOA_X
ClientSampleId :
PB141382TB

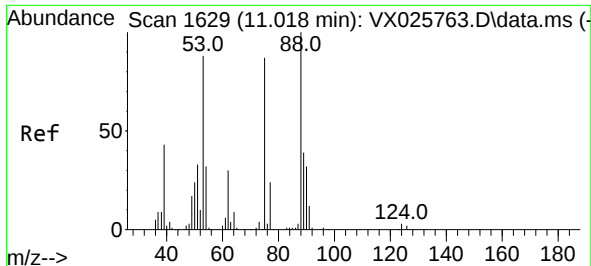
Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
70 0.0 34.1 51.1#
55 0.0 19.2 28.8#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 24.242 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025820.D
Acq: 15 Dec 2021 17:26

Tgt Ion: 75 Resp: 53076
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#

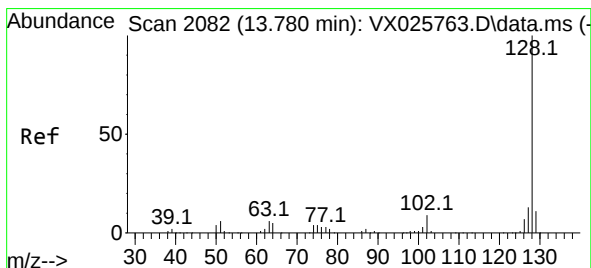
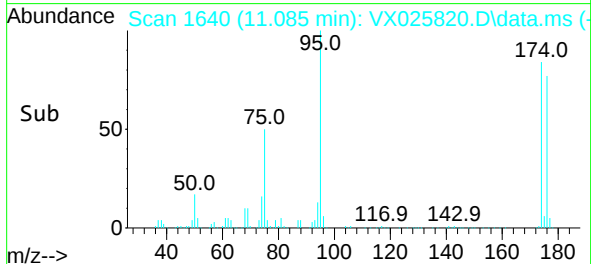
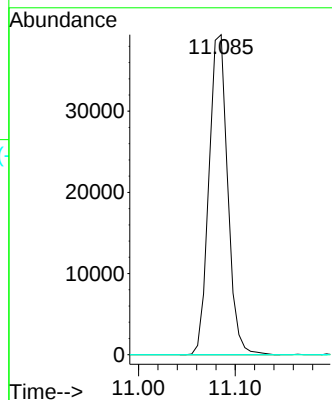
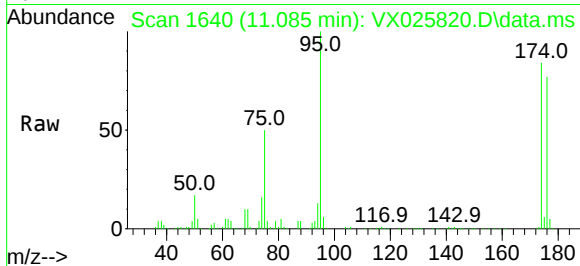




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.157 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX025820.D
 Acq: 15 Dec 2021 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382TB

Tgt Ion: 75 Resp: 53076
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#



#95
 Naphthalene
 Concen: 2.421 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX025820.D
 Acq: 15 Dec 2021 17:26

Tgt Ion: 128 Resp: 67
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.8 13.2#

