

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025823.D
 Acq On : 15 Dec 2021 18:37
 Operator : JC/MD
 Sample : PB141382ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#03

Quant Time: Dec 16 07:31:00 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)

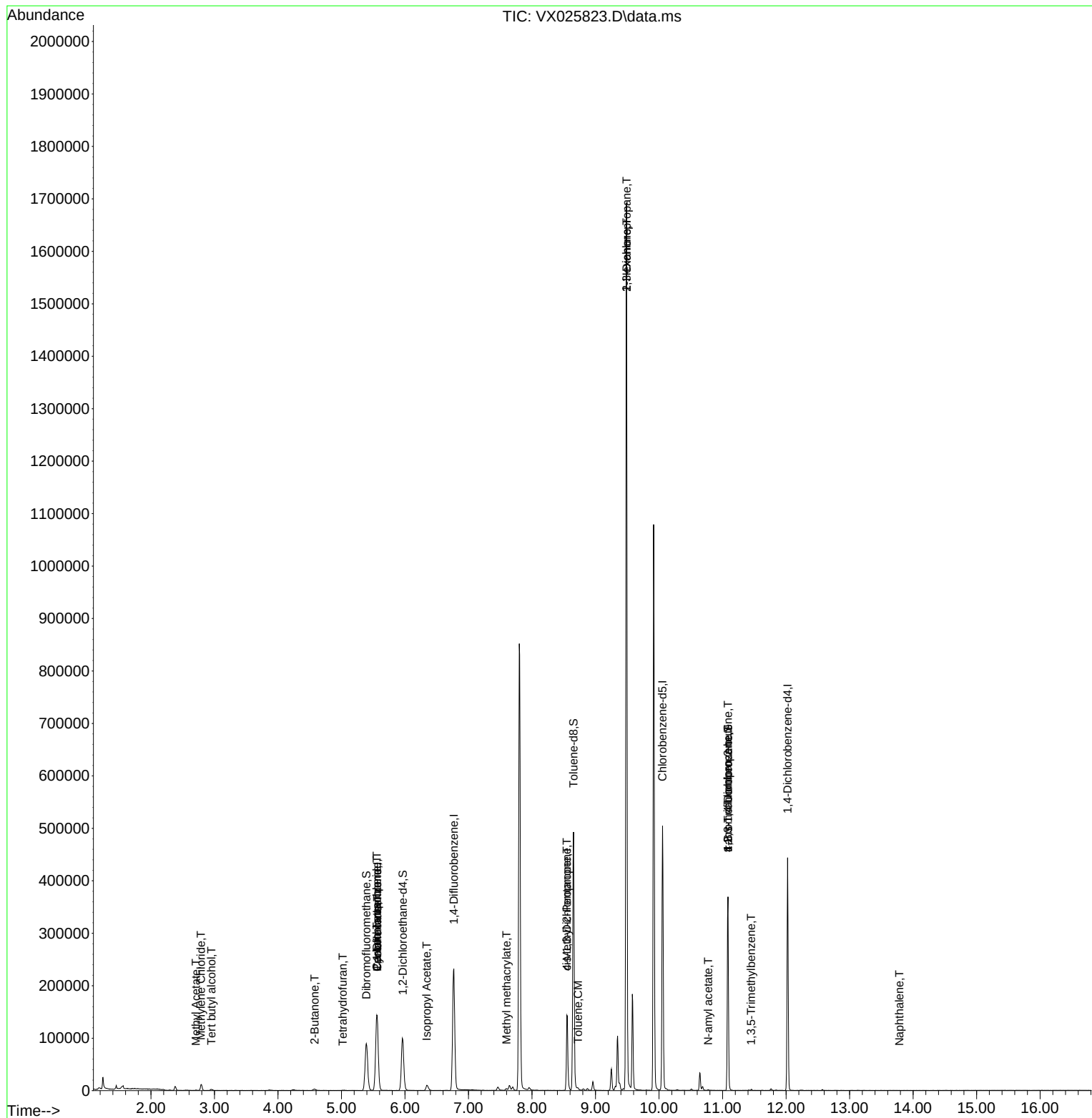
Internal Standards						
1) Pentafluorobenzene	5.562	168	134752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94210	48.591	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.180%
35) Dibromofluoromethane	5.391	113	77023	46.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.540%
50) Toluene-d8	8.653	98	289041	47.659	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.320%
62) 4-Bromofluorobenzene	11.085	95	96711	41.979	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1575	4.050	ug/l #	73
16) Acetone	2.380	43	7859	Below Cal		89
18) Methyl Acetate	2.709	43	1051	0.356	ug/l #	85
20) Methylene Chloride	2.788	84	5074	0.673	ug/l	93
25) 2-Butanone	4.574	43	4454	3.416	ug/l	96
29) Tetrahydrofuran	5.019	42	417	0.503	ug/l #	43
31) Cyclohexane	5.562	56	3179	1.348	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11233	4.976	ug/l #	45
38) Carbon Tetrachloride	5.556	117	14425	5.492	ug/l #	16
43) Isopropyl Acetate	6.342	43	14197	3.514	ug/l	97
48) Methyl methacrylate	7.598	41	4707	2.474	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	50721	19.176	ug/l #	50
52) Toluene	8.726	92	977	0.228	ug/l	89
54) cis-1,3-Dichloropropene	8.549	75	22681	8.351	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	14634	4.849	ug/l #	43
59) 2-Hexanone	9.488	43	195471	97.537	ug/l #	52
74) N-amyl acetate	10.774	43	1000	0.388	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	48611	24.056	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1144	0.215	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	48611	74.580	ug/l #	10
95) Naphthalene	13.786	128	57	2.420	ug/l #	69

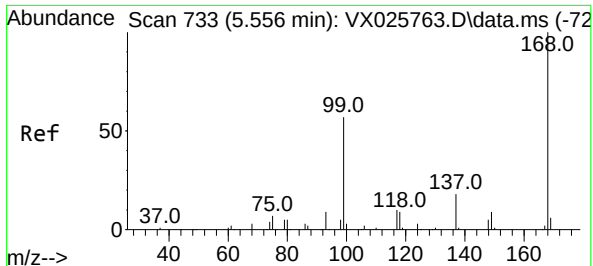
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
PB141382ZHE#03

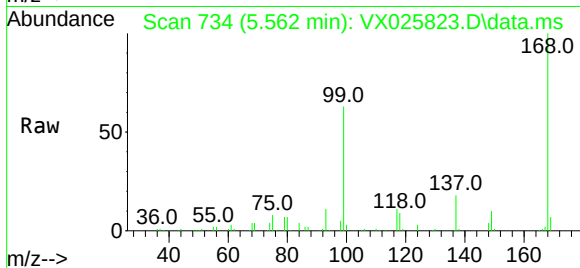
Quant Time: Dec 16 07:31:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



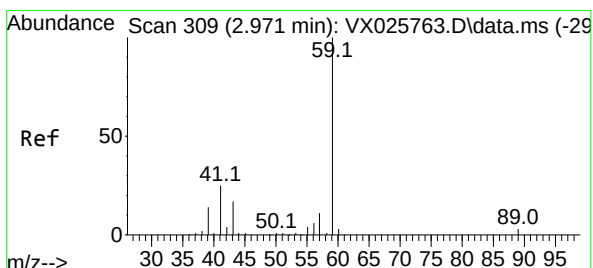
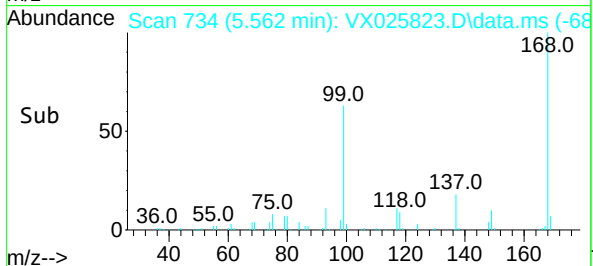
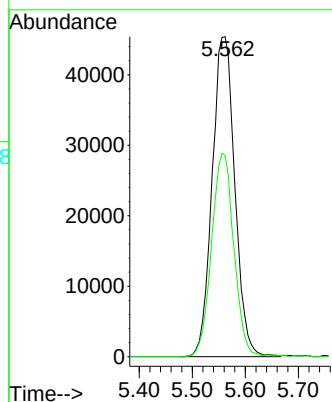


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

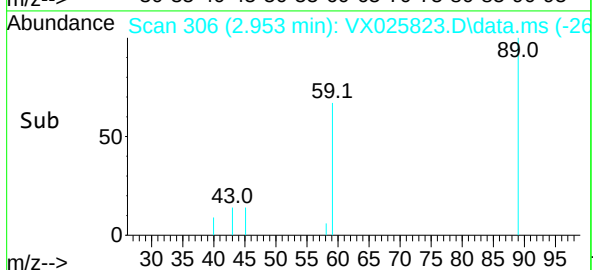
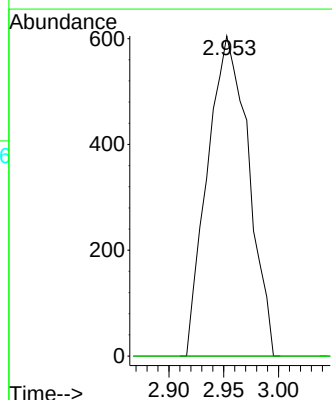
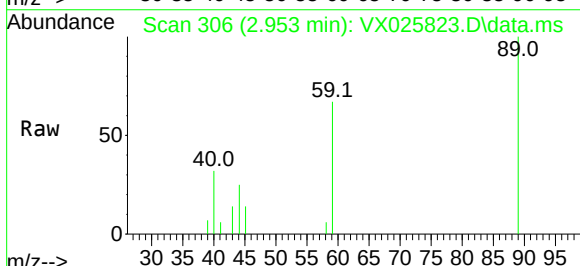


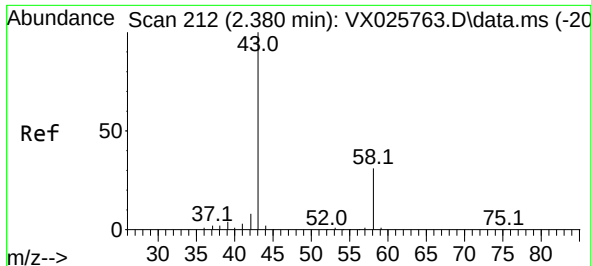
Tgt Ion:168 Resp: 134752
Ion Ratio Lower Upper
168 100
99 62.9 45.8 68.8



#11
Tert butyl alcohol
Concen: 4.050 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion: 59 Resp: 1575
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

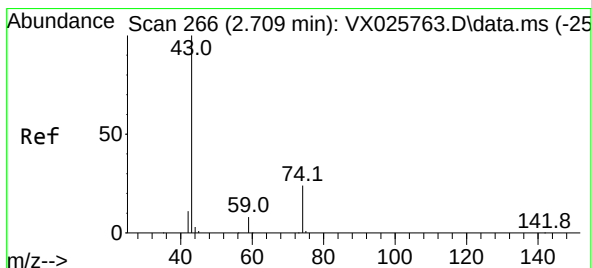
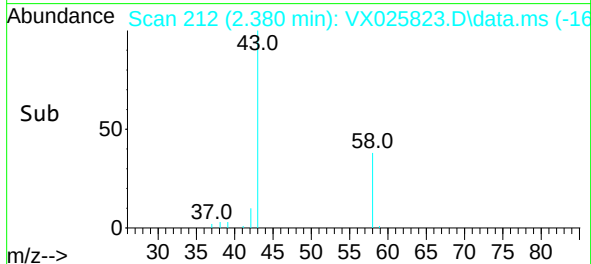
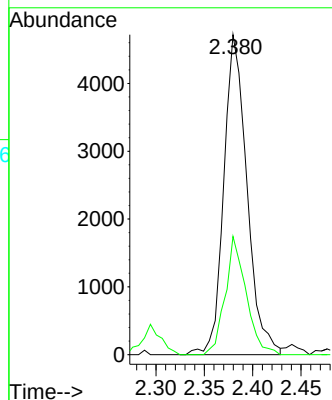
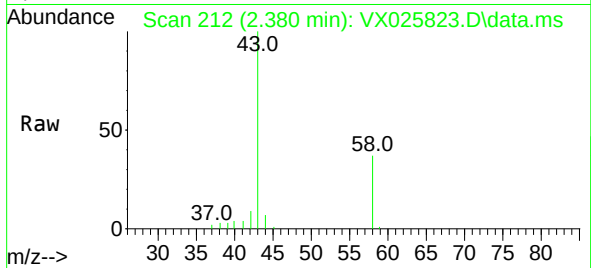




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

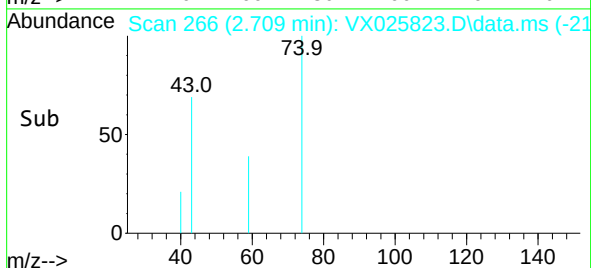
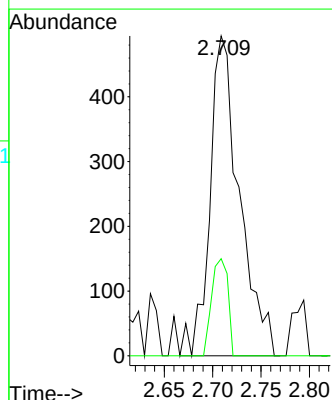
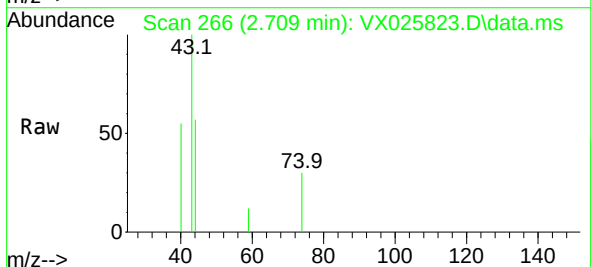
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

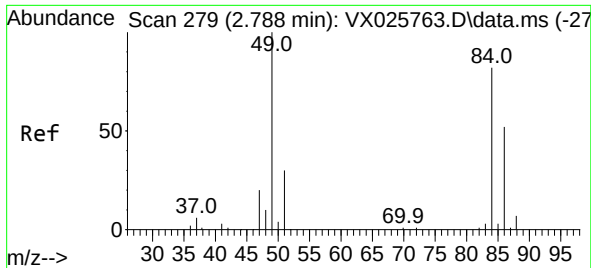
Tgt Ion: 43 Resp: 7859
Ion Ratio Lower Upper
43 100
58 36.9 24.8 37.2



#18
Methyl Acetate
Concen: 0.356 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
74 16.7 19.1 28.7#

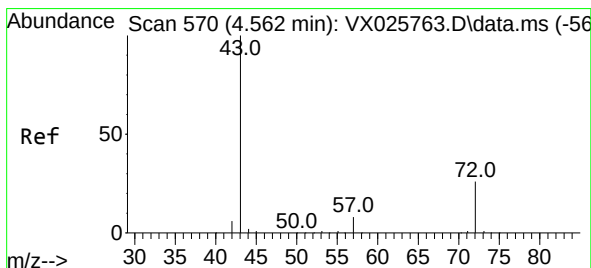
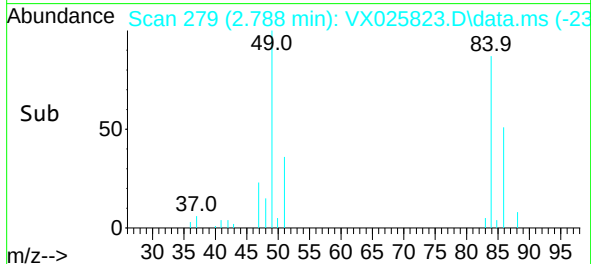
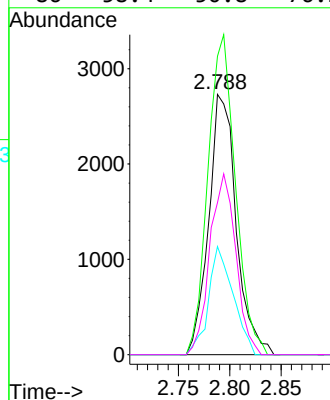
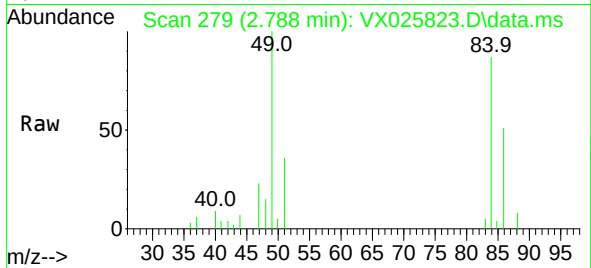




#20
Methylene Chloride
Concen: 0.673 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

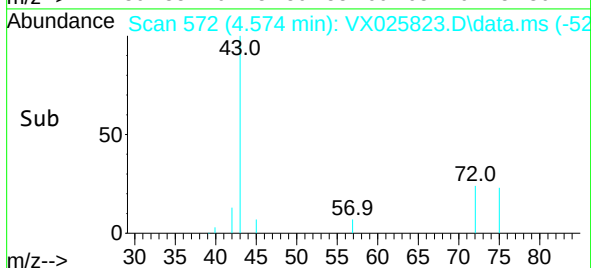
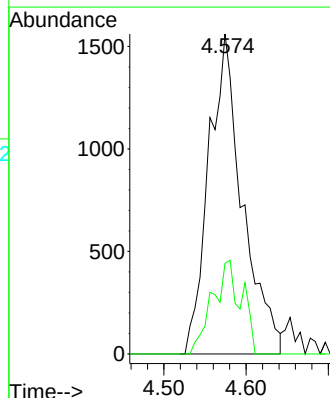
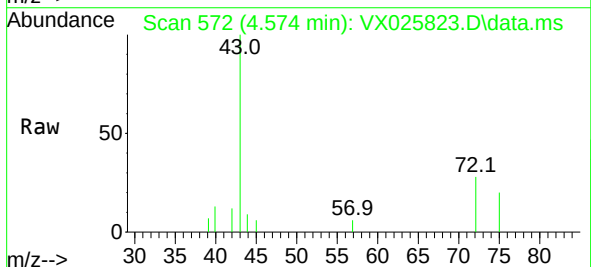
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

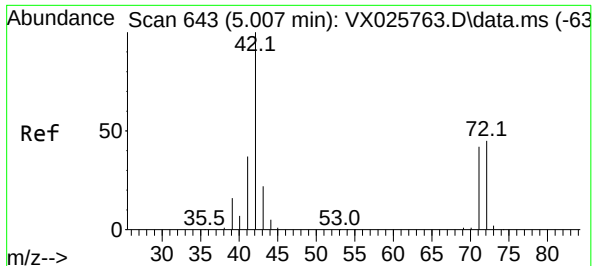
Tgt Ion: 84	Resp: 5074
Ion Ratio	Lower Upper
84 100	
49 114.6	97.1 145.7
51 41.5	29.3 43.9
86 58.4	50.8 76.2



#25
2-Butanone
Concen: 3.416 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion: 43	Resp: 4454
Ion Ratio	Lower Upper
43 100	
72 28.3	21.0 31.4





#29

Tetrahydrofuran

Concen: 0.503 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX025823.D

Acq: 15 Dec 2021 18:37

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#03

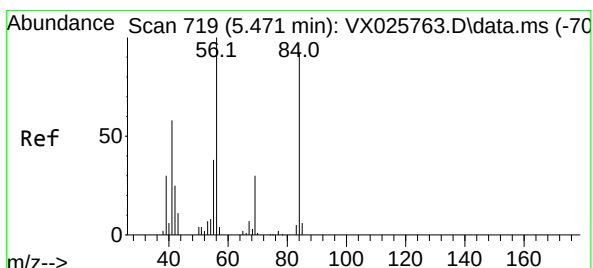
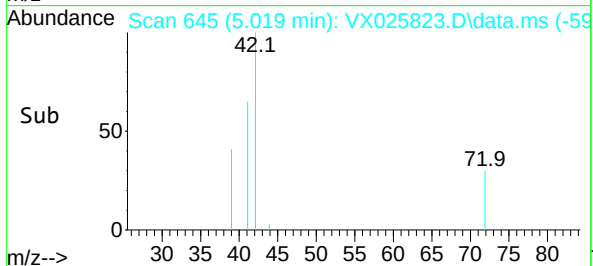
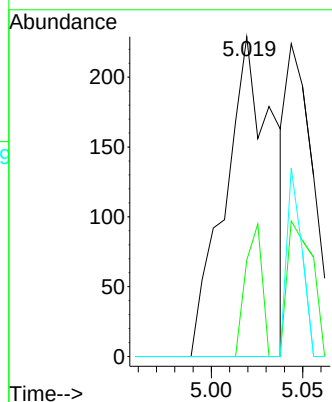
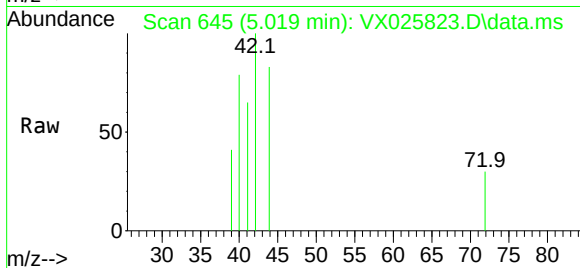
Tgt Ion: 42 Resp: 417

Ion Ratio Lower Upper

42 100

72 14.4 37.0 55.6#

71 0.0 34.1 51.1#



#31

Cyclohexane

Concen: 1.348 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX025823.D

Acq: 15 Dec 2021 18:37

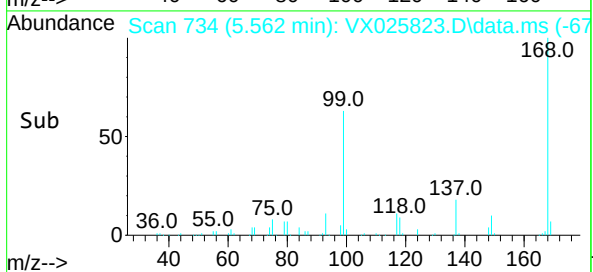
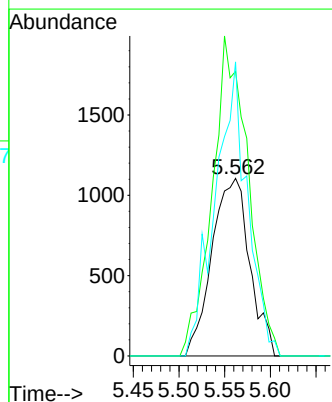
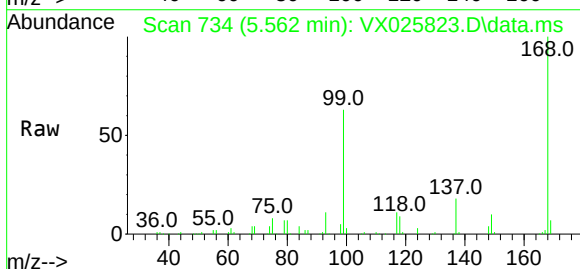
Tgt Ion: 56 Resp: 3179

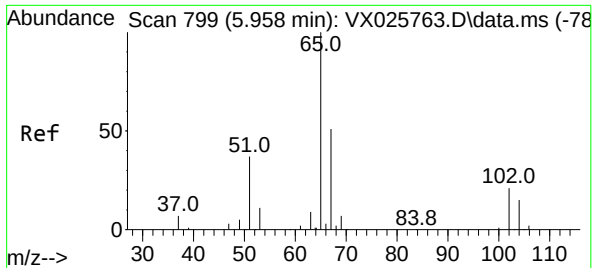
Ion Ratio Lower Upper

56 100

69 160.4 23.9 35.9#

84 165.7 73.2 109.8#

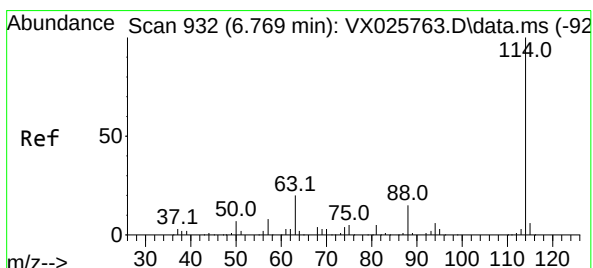
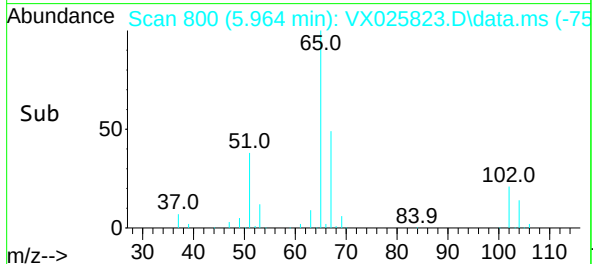
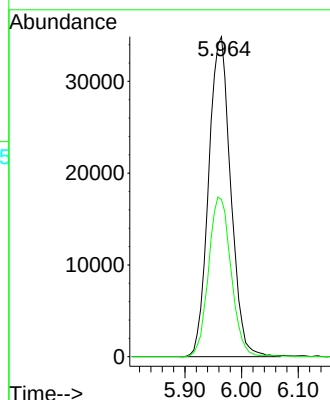
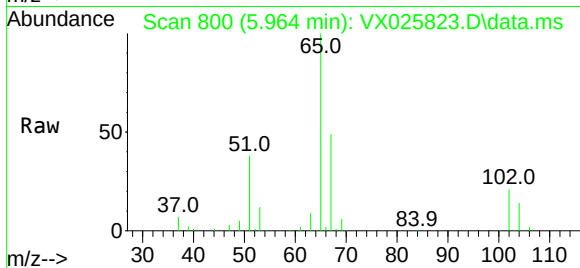




#33
 1,2-Dichloroethane-d4
 Concen: 48.591 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX025823.D
 Acq: 15 Dec 2021 18:37

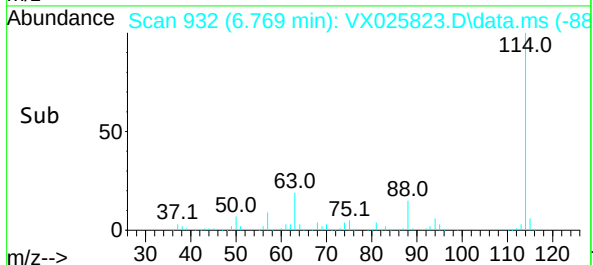
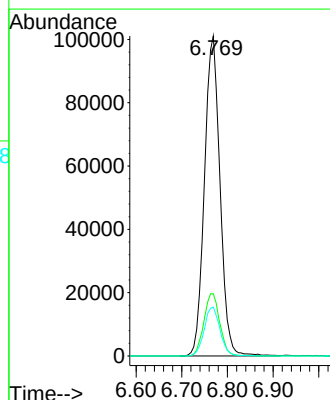
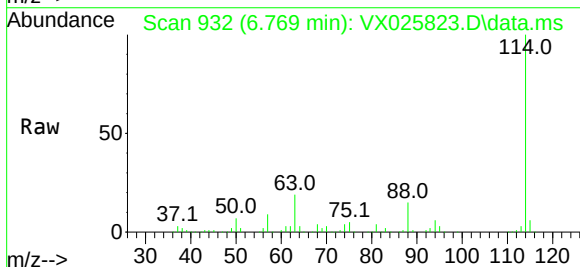
Instrument :
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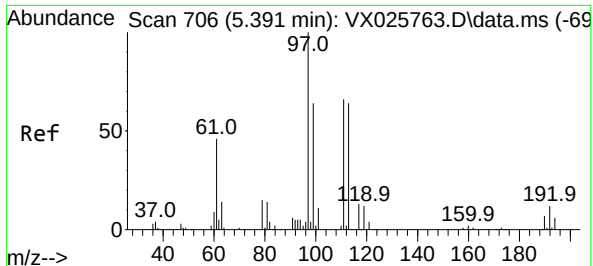
Tgt Ion: 65 Resp: 94210
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX025823.D
 Acq: 15 Dec 2021 18:37

Tgt Ion: 114 Resp: 238674
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.273 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025823.D

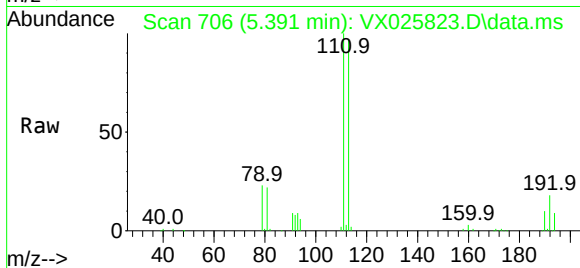
Acq: 15 Dec 2021 18:37

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#03



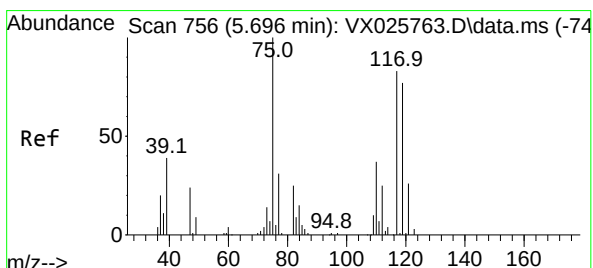
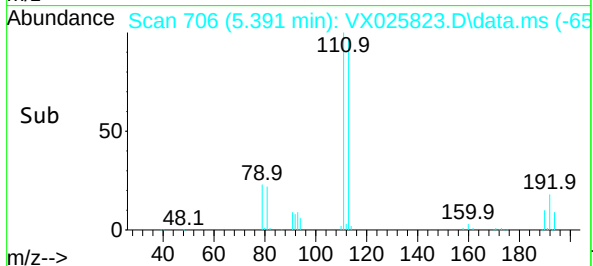
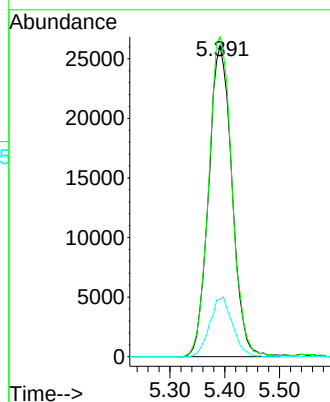
Tgt Ion:113 Resp: 77023

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 18.6 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025823.D

Acq: 15 Dec 2021 18:37

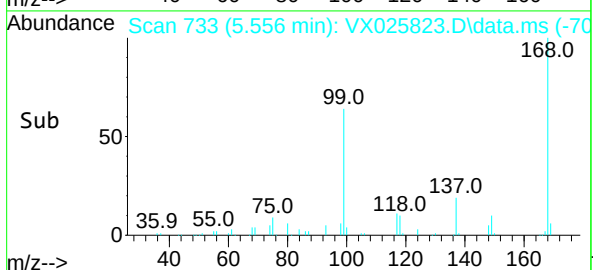
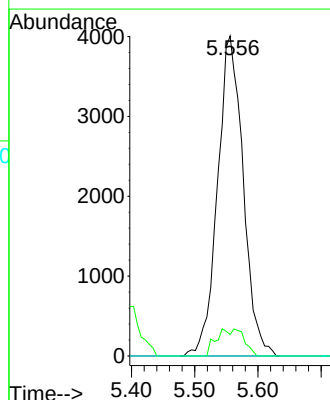
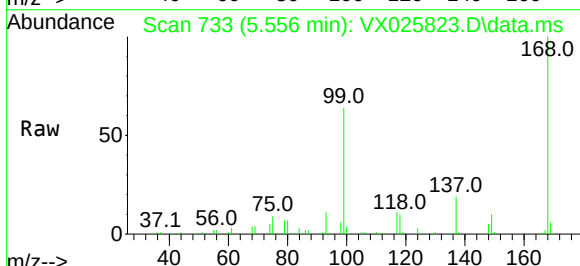
Tgt Ion: 75 Resp: 11233

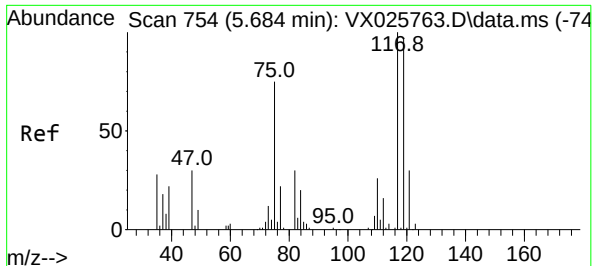
Ion Ratio Lower Upper

75 100

110 4.9 18.2 54.6#

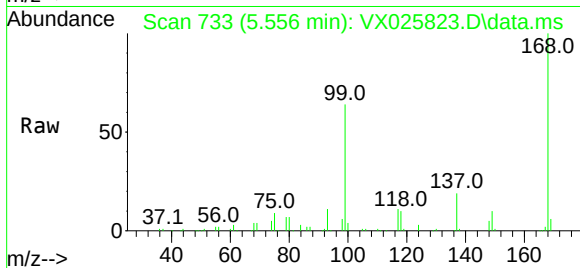
77 0.0 24.7 37.1#



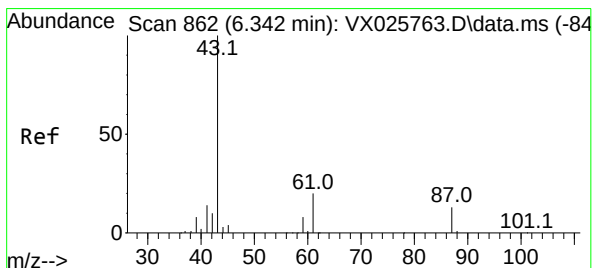
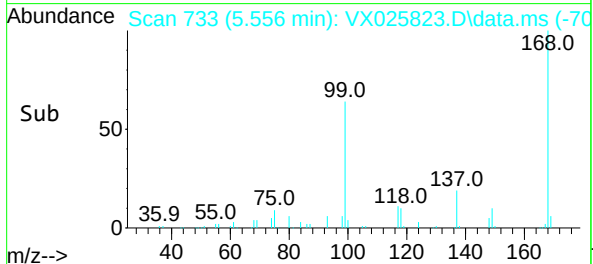
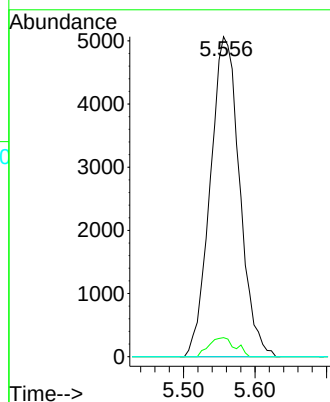


#38
Carbon Tetrachloride
Concen: 5.492 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

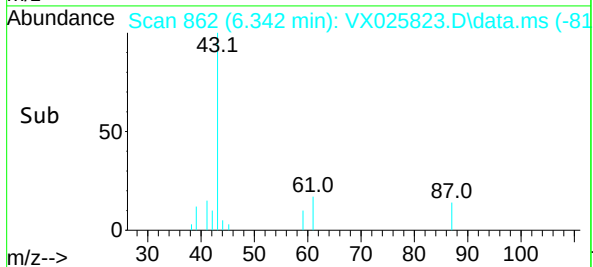
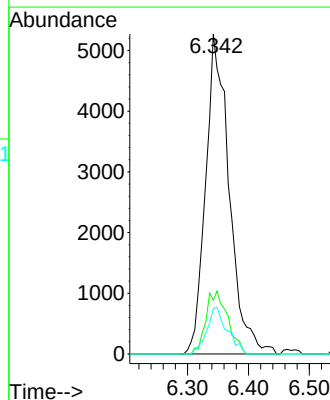
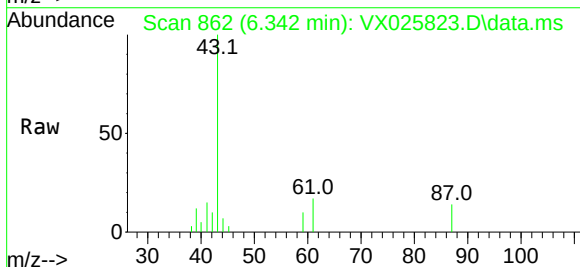


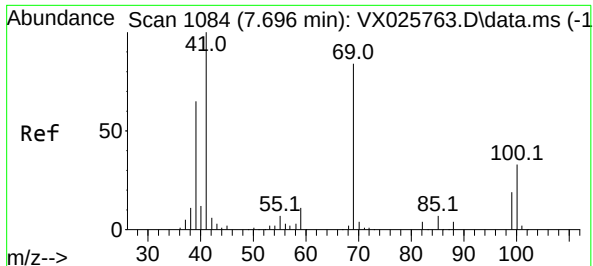
Tgt Ion:117 Resp: 14425
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.514 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion: 43 Resp: 14197
Ion Ratio Lower Upper
43 100
61 18.1 15.7 23.5
87 12.6 11.2 16.8





#48

Methyl methacrylate

Concen: 2.474 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX025823.D

Acq: 15 Dec 2021 18:37

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#03

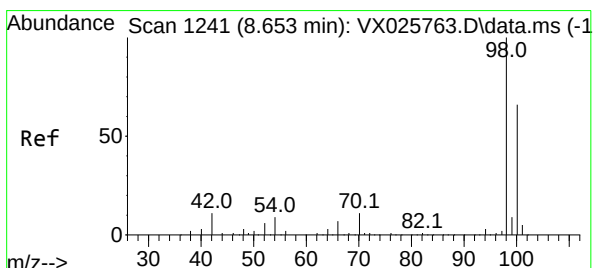
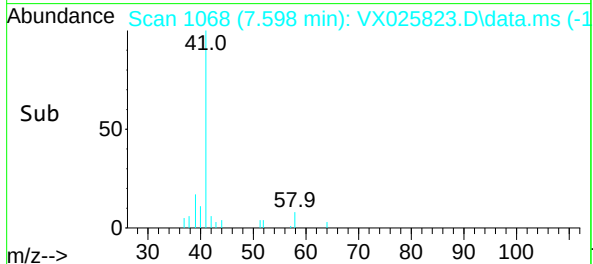
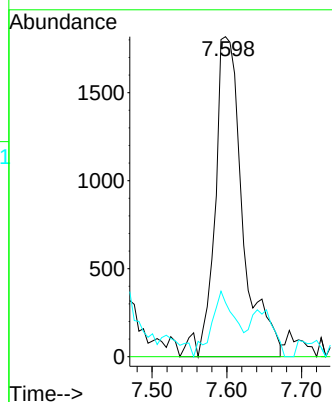
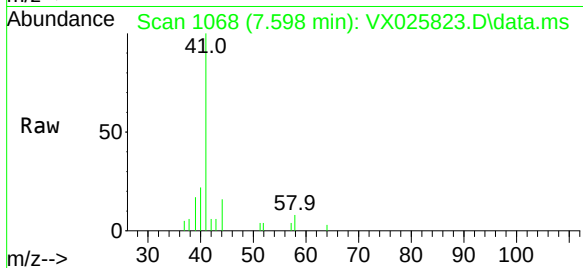
Tgt Ion: 41 Resp: 4707

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#50

Toluene-d8

Concen: 47.659 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025823.D

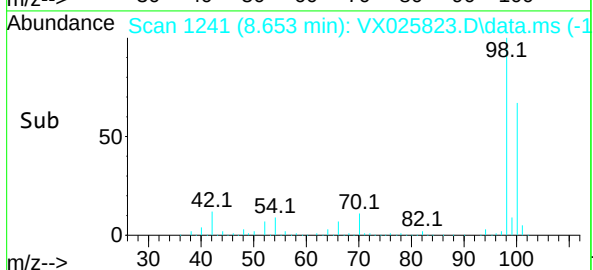
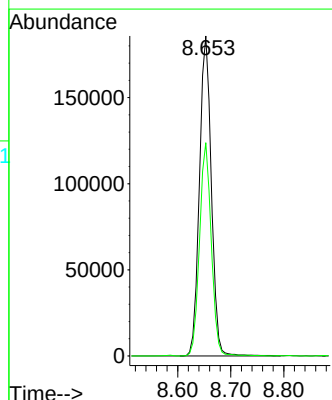
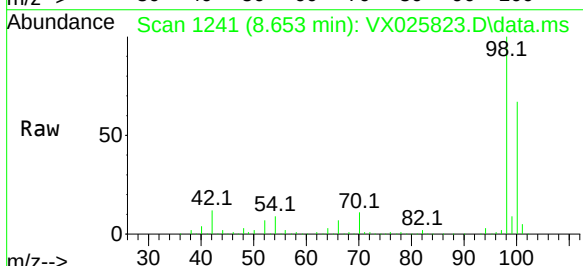
Acq: 15 Dec 2021 18:37

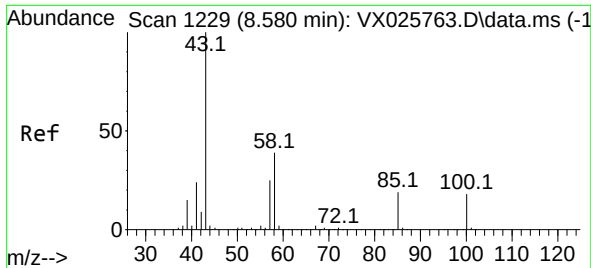
Tgt Ion: 98 Resp: 289041

Ion Ratio Lower Upper

98 100

100 65.8 52.6 78.8

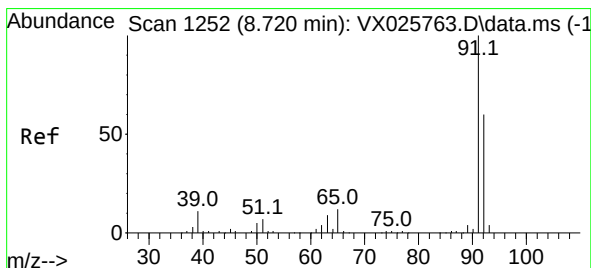
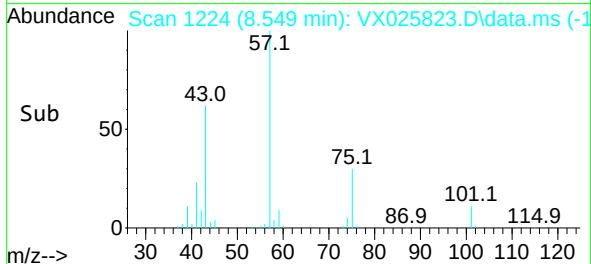
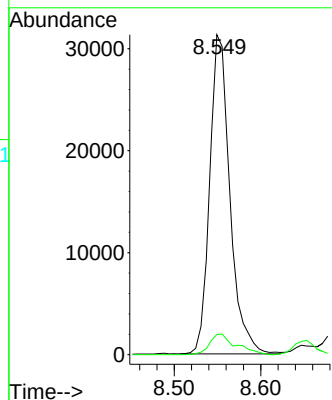
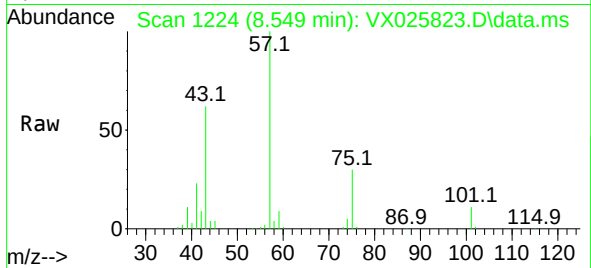




#51
4-Methyl-2-Pentanone
Concen: 19.176 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

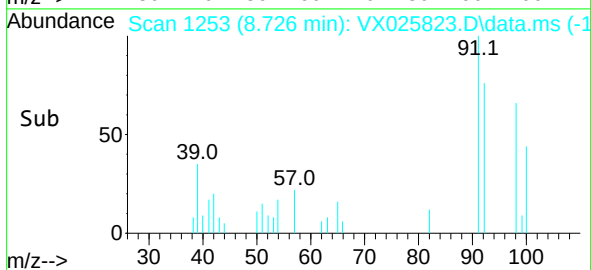
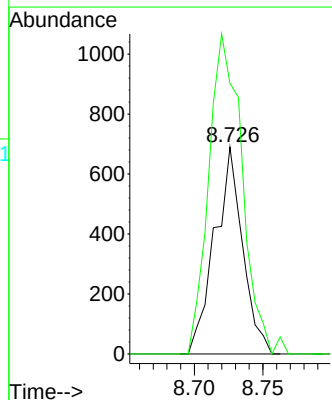
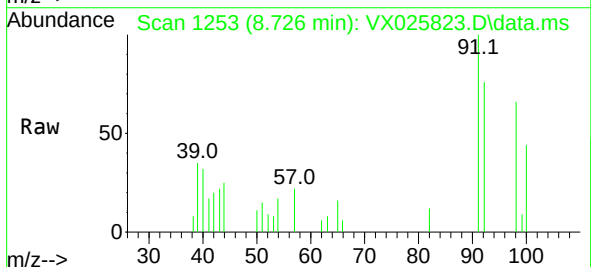
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

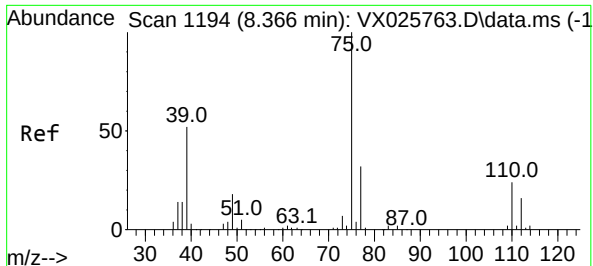
Tgt Ion: 43 Resp: 50721
Ion Ratio Lower Upper
43 100
58 8.4 30.8 46.2#



#52
Toluene
Concen: 0.228 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion: 92 Resp: 977
Ion Ratio Lower Upper
92 100
91 185.0 136.0 204.0

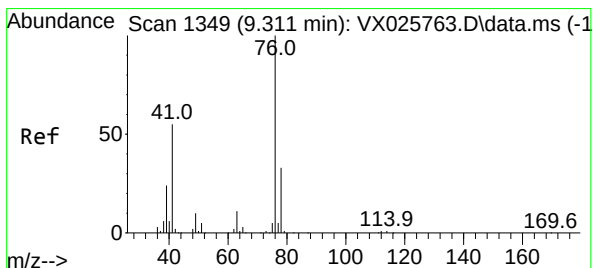
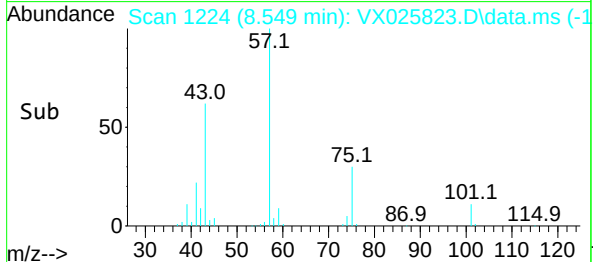
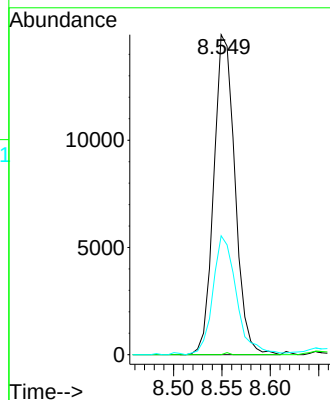
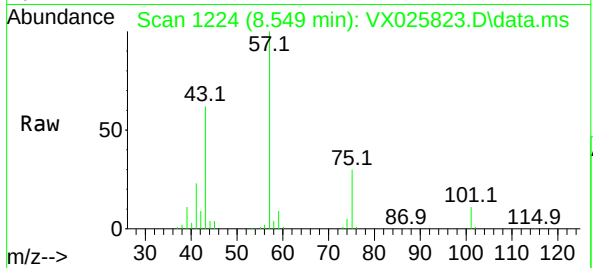




#54
 cis-1,3-Dichloropropene
 Concen: 8.351 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX025823.D
 Acq: 15 Dec 2021 18:37

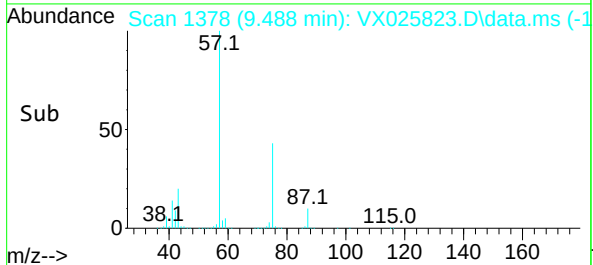
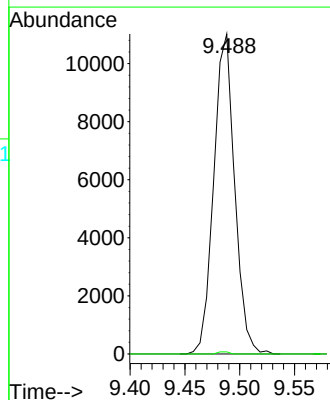
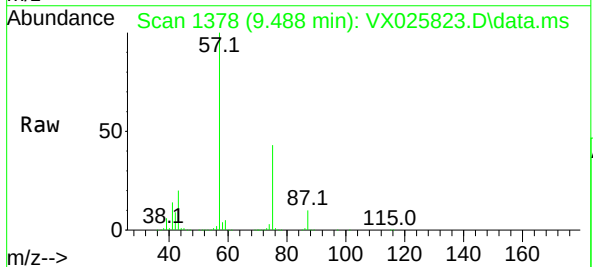
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#03

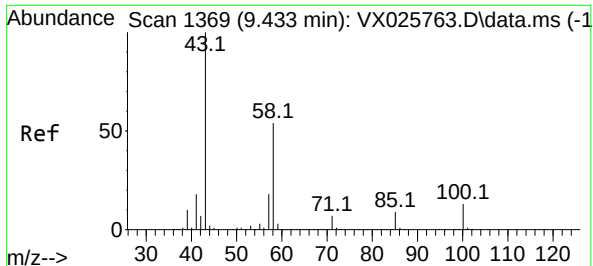
Tgt Ion: 75 Resp: 22681
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 36.8 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.849 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX025823.D
 Acq: 15 Dec 2021 18:37

Tgt Ion: 76 Resp: 14634
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.0 39.0#





#59

2-Hexanone

Concen: 97.537 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX025823.D

Acq: 15 Dec 2021 18:37

Instrument :

MSVOA_X

ClientSampleId :

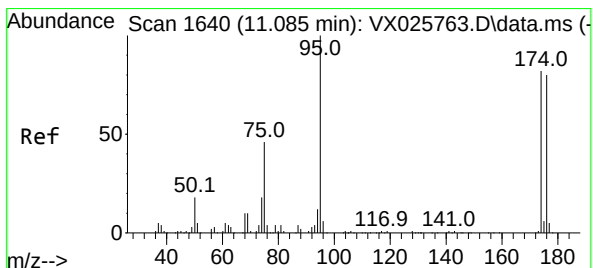
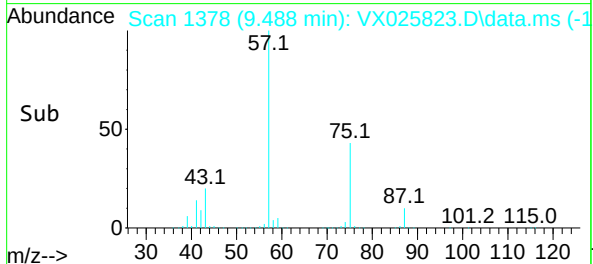
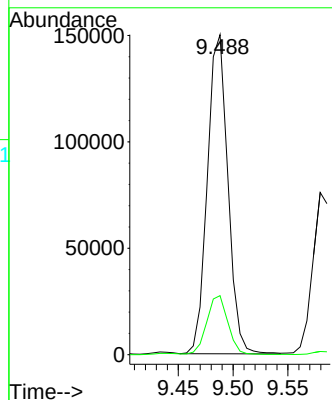
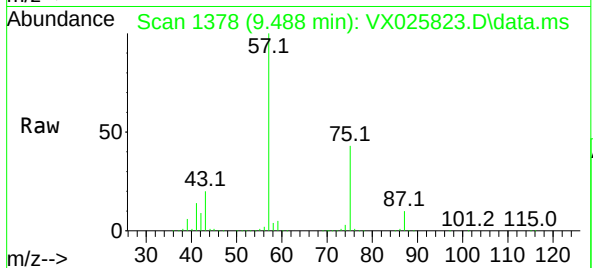
PB141382ZHE#03

Tgt Ion: 43 Resp: 195471

Ion Ratio Lower Upper

43 100

58 19.3 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 41.979 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025823.D

Acq: 15 Dec 2021 18:37

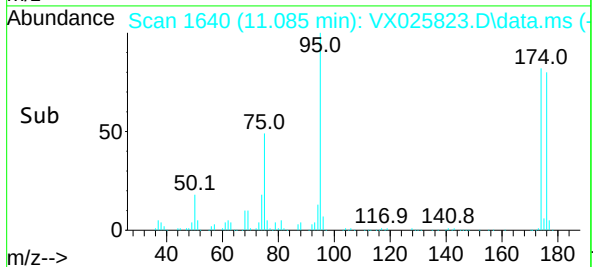
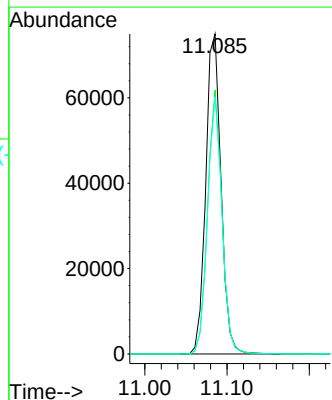
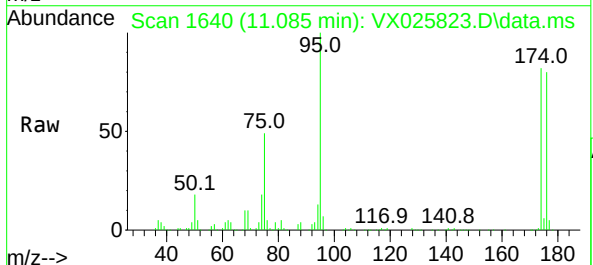
Tgt Ion: 95 Resp: 96711

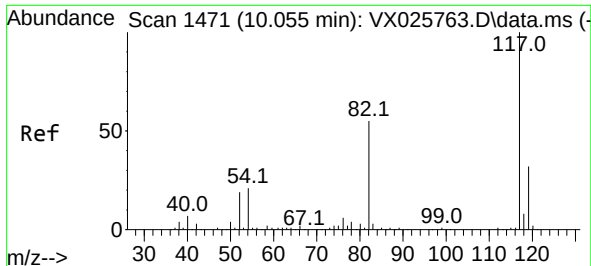
Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.4

176 76.0 0.0 154.6

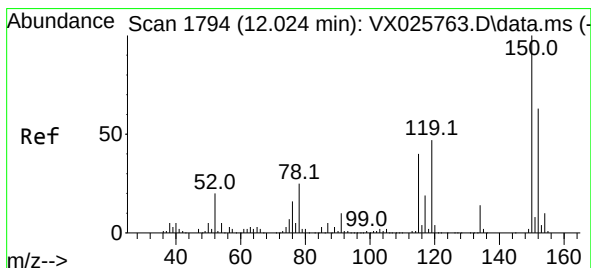
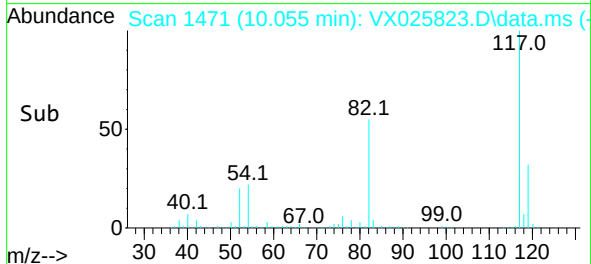
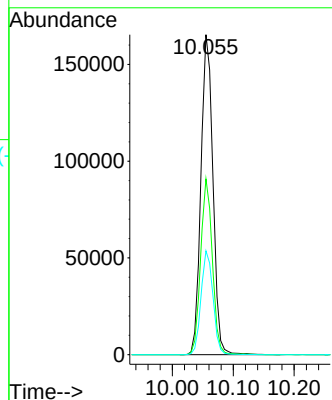
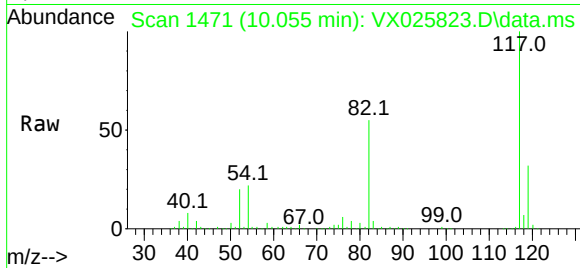




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

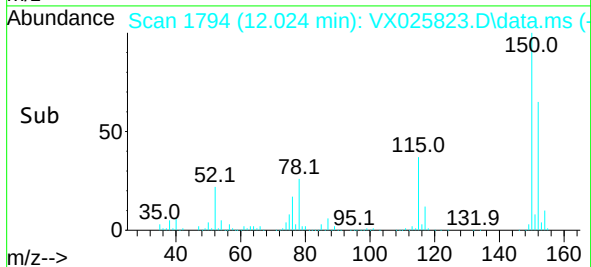
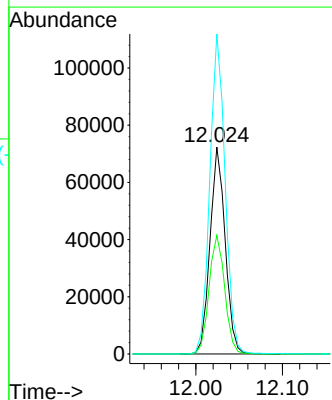
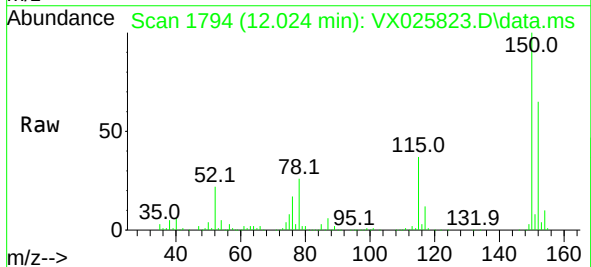
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

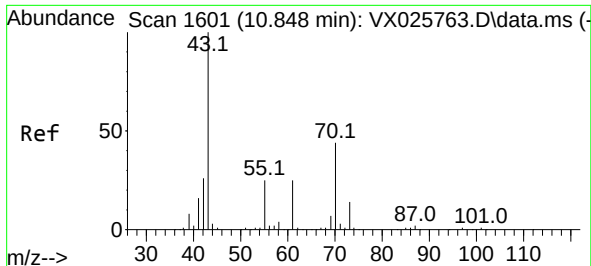
Tgt Ion:117 Resp: 226475
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.6
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion:152 Resp: 88197
Ion Ratio Lower Upper
152 100
115 58.9 41.3 123.9
150 155.4 0.0 351.8

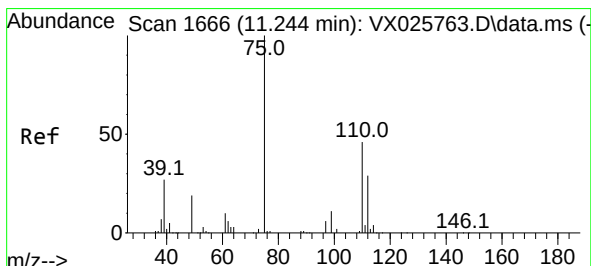
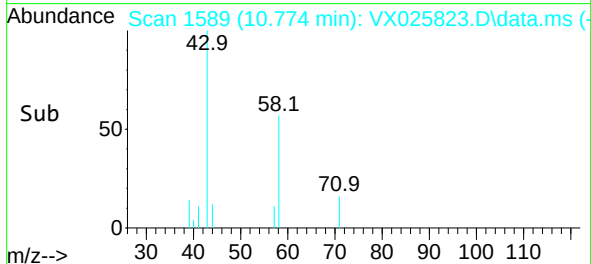
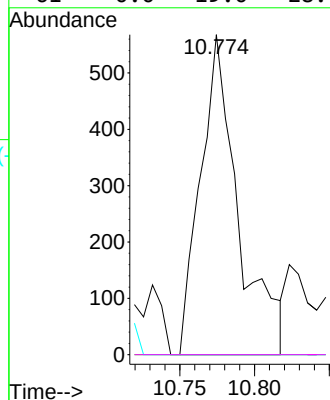
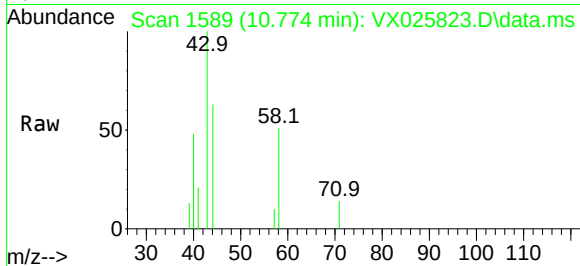




#74
N-amy1 acetate
Concen: 0.388 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

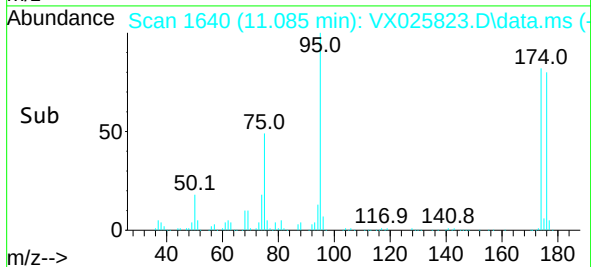
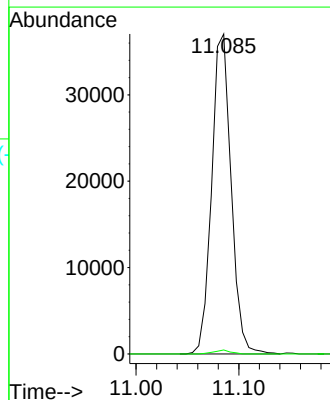
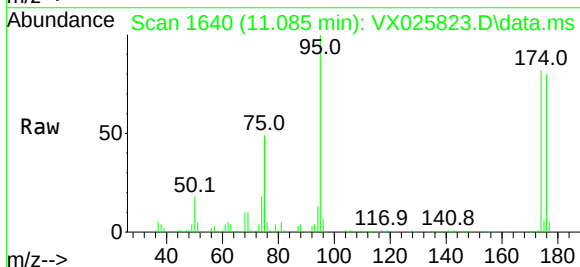
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

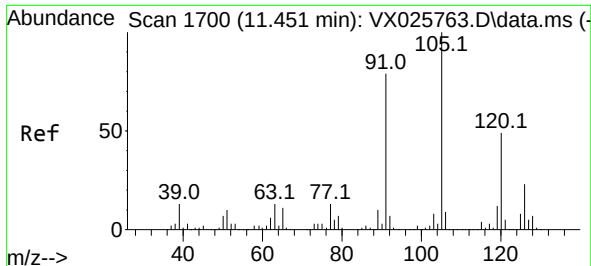
Tgt Ion: 43	Resp:	1000
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.1 51.1#
55	0.0	19.2 28.8#
61	0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 24.056 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion: 75	Resp:	48611
Ion	Ratio	Lower Upper
75	100	
77	1.0	19.0 57.0#

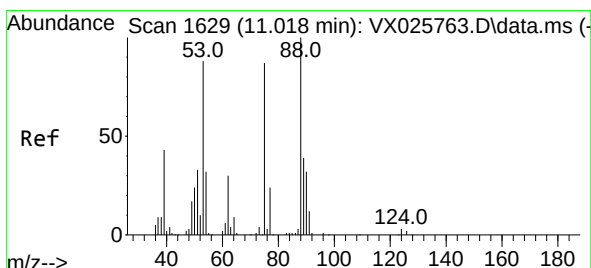
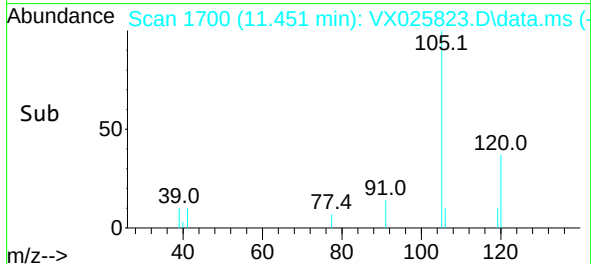
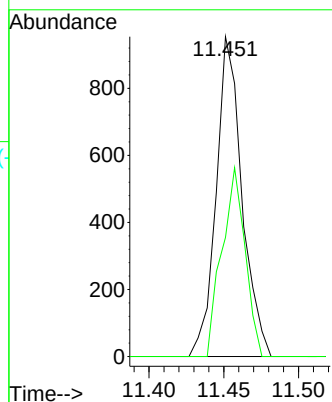
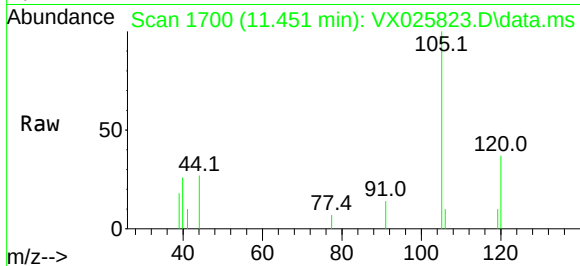




#80
1,3,5-Trimethylbenzene
Concen: 0.215 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

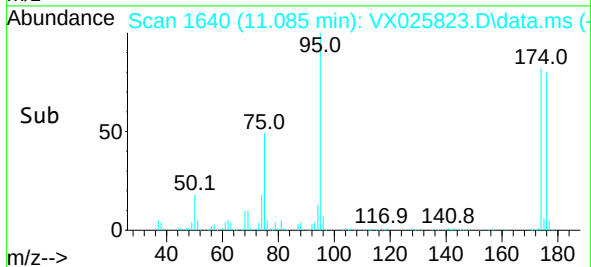
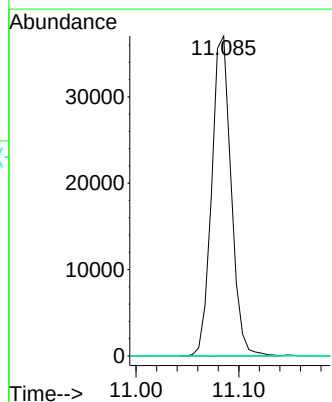
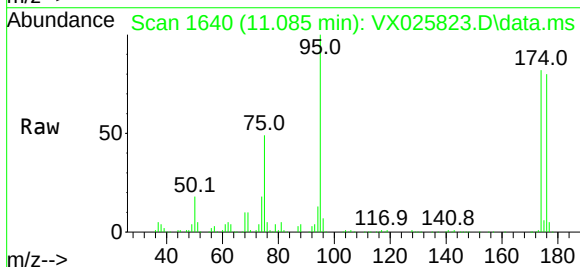
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#03

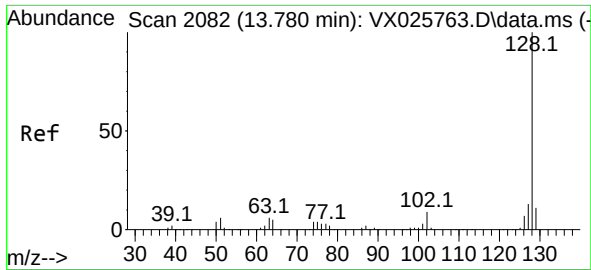
Tgt Ion:105 Resp: 1144
Ion Ratio Lower Upper
105 100
120 52.9 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 74.580 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025823.D
Acq: 15 Dec 2021 18:37

Tgt Ion: 75 Resp: 48611
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 38.3 57.5#





#95

Naphthalene

Concen: 2.420 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX025823.D

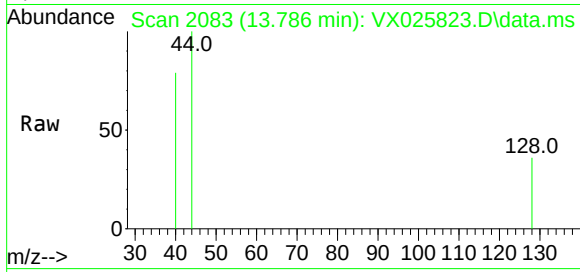
Acq: 15 Dec 2021 18:37

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#03



Tgt Ion:128 Resp: 57

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

