

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011638.D
 Acq On : 19 Aug 2019 17:40
 Operator : JC/SP
 Sample : K4368-02DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0137DL

Quant Time: Aug 20 09:41:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	433959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	590653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	521250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	259965	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	200267	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	5.49	113	174940	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	8.71	98	632773	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.13	95	238216	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	

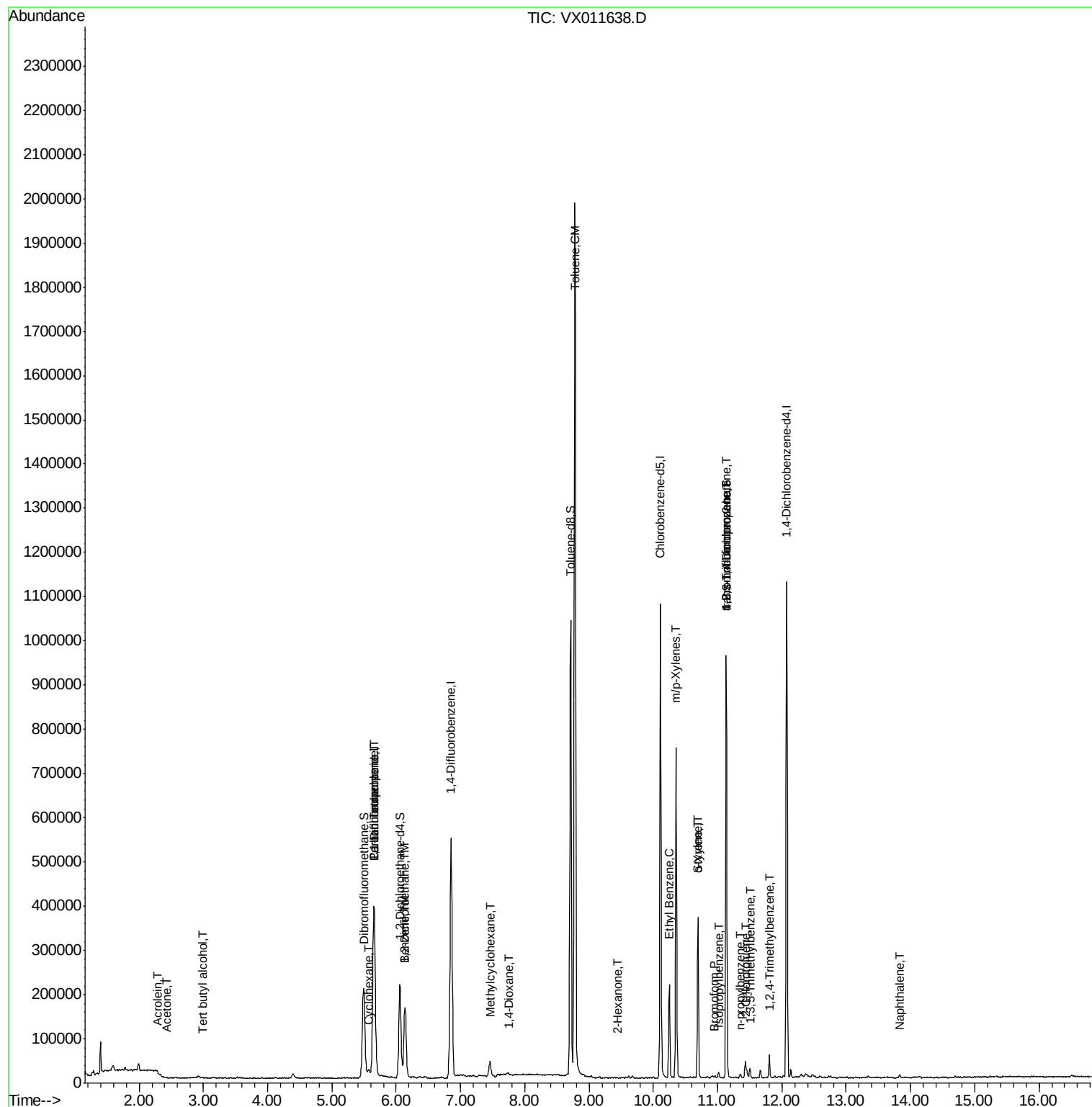
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	500	0.506	ug/l #	76
13) Acrolein	2.29	56	662	14.257	ug/l #	45
16) Acetone	2.43	43	1068	0.528	ug/l #	65
31) Cyclohexane	5.57	56	12719	2.132	ug/l	97
36) 1,1-Dichloropropene	5.65	75	24023	4.757	ug/l #	51
38) Carbon Tetrachloride	5.65	117	35948	6.461	ug/l #	16
39) Methylcyclohexane	7.46	83	15491	2.484	ug/l	95
40) Benzene	6.13	78	199249	12.696	ug/l	97
42) 1,2-Dichloroethane	6.13	62	2257	0.415	ug/l	91
49) 1,4-Dioxane	7.76	88	115	0.963	ug/l #	1
52) Toluene	8.78	92	756570	75.672	ug/l	100
59) 2-Hexanone	9.43	43	1259	0.275	ug/l	82
67) Ethyl Benzene	10.25	91	121647	6.556	ug/l	99
68) m/p-Xylenes	10.35	106	178014	24.994	ug/l	99
69) o-Xylene	10.69	106	80385	11.522	ug/l	100
70) Styrene	10.69	104	4750	0.404	ug/l #	1
71) Bromoform	10.94	173	103	3.315	ug/l #	28
73) Isopropylbenzene	11.02	105	6601	0.391	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	109767	22.267	ug/l #	36
78) n-propylbenzene	11.36	91	5377	0.296	ug/l	96
79) 2-Chlorotoluene	11.43	91	3139	0.281	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.51	105	9799	0.692	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	109767	59.394	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	22553	1.585	ug/l	99
95) Naphthalene	13.83	128	5077	0.278	ug/l #	88

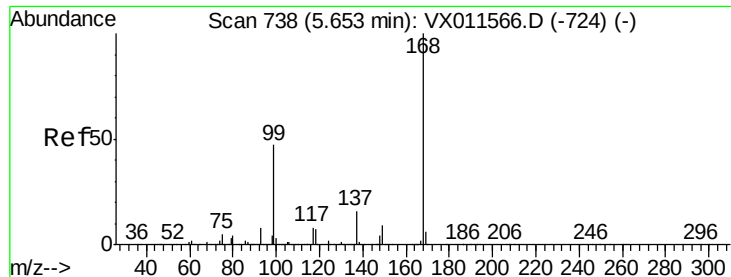
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011638.D

Acq: 19 Aug 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

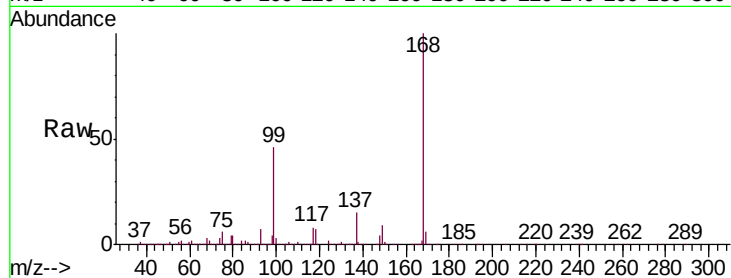
PH2-0137DL

Tgt Ion:168 Resp: 433959

Ion Ratio Lower Upper

168 100

99 45.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

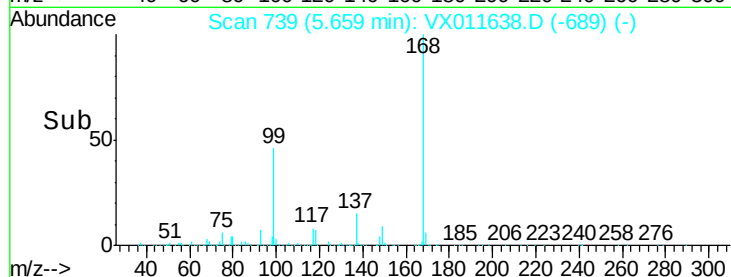
150000

100000

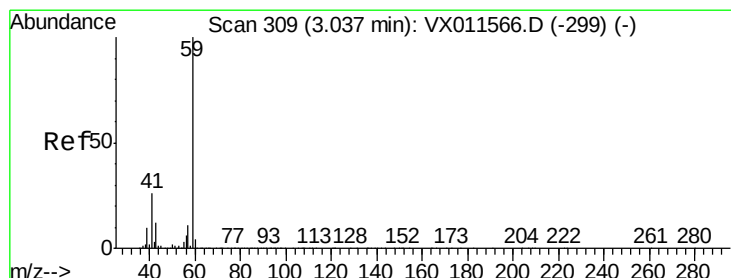
50000

0

5.50 5.60 5.70 5.80



Time-->



#11

Tert butyl alcohol

Concen: 0.506 ug/l

RT: 2.99 min Scan# 301

Delta R.T. -0.05 min

Lab File: VX011638.D

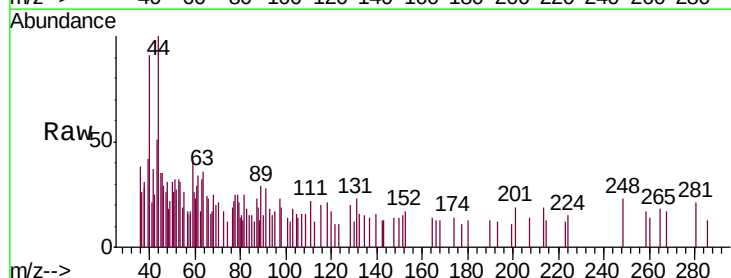
Acq: 19 Aug 2019 17:40

Tgt Ion: 59 Resp: 500

Ion Ratio Lower Upper

59 100

57 20.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

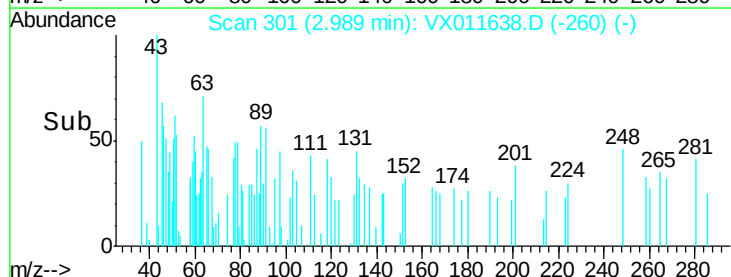
300

200

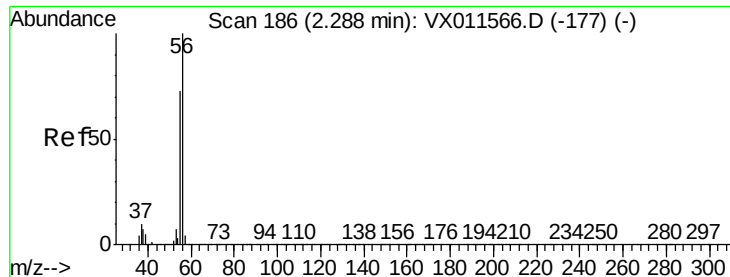
100

0

2.95 3.00



Time-->



#13

Acrolein

Concen: 14.257 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011638.D

Acq: 19 Aug 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

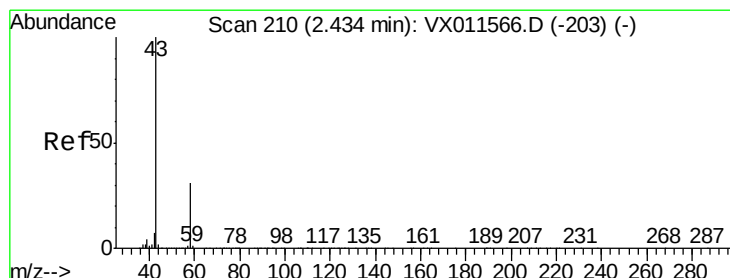
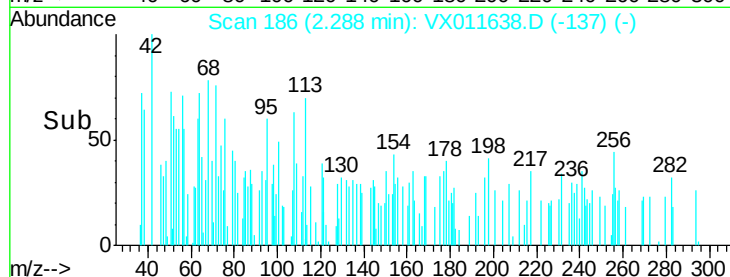
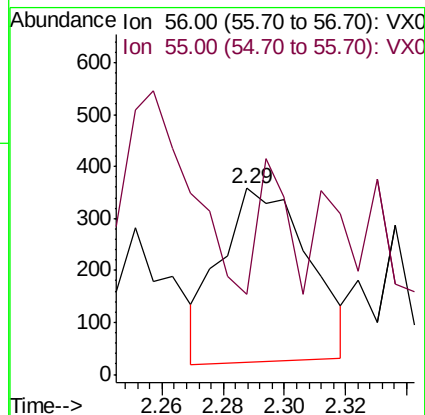
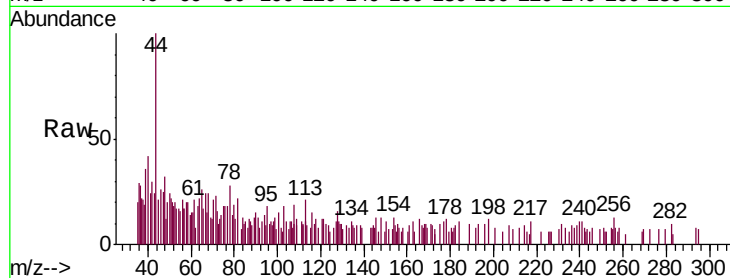
PH2-0137DL

Tgt Ion: 56 Resp: 662

Ion Ratio Lower Upper

56 100

55 24.6 55.5 83.3#



#16

Acetone

Concen: 0.528 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011638.D

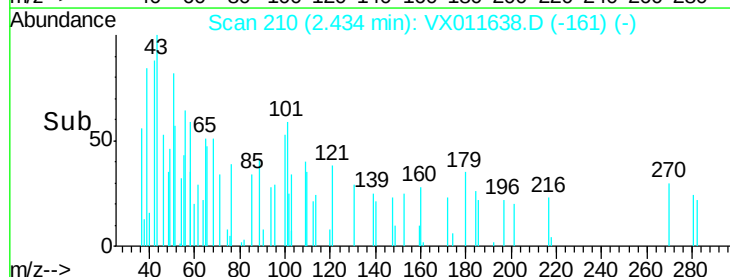
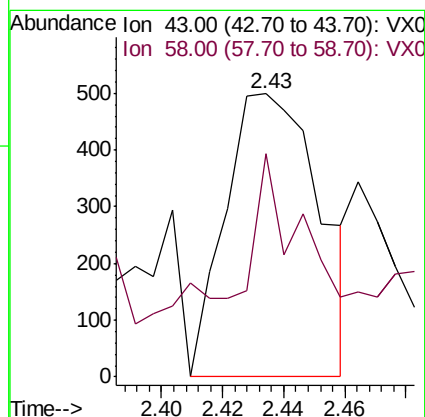
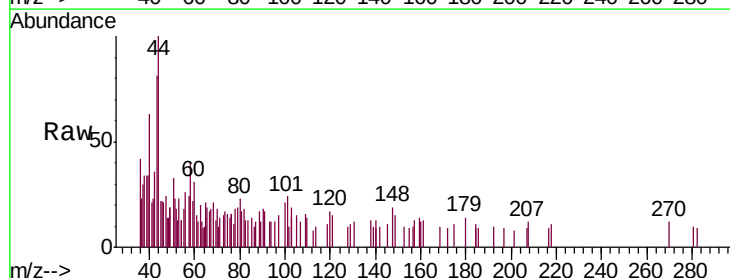
Acq: 19 Aug 2019 17:40

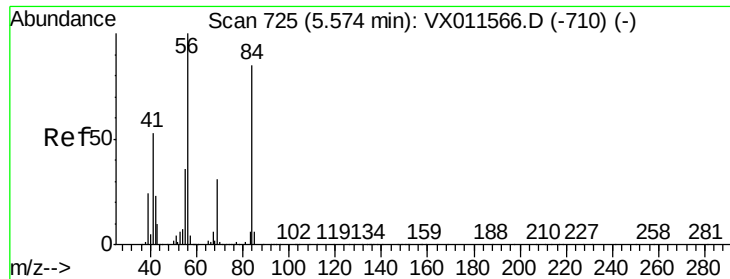
Tgt Ion: 43 Resp: 1068

Ion Ratio Lower Upper

43 100

58 50.7 25.2 37.8#

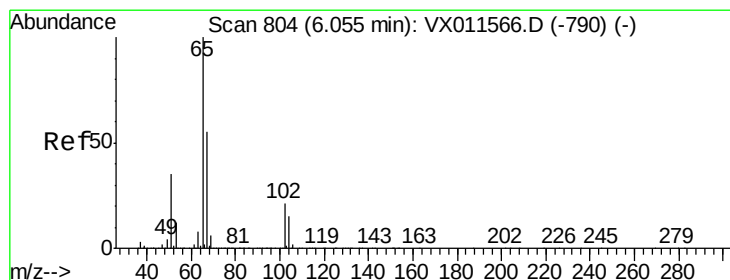
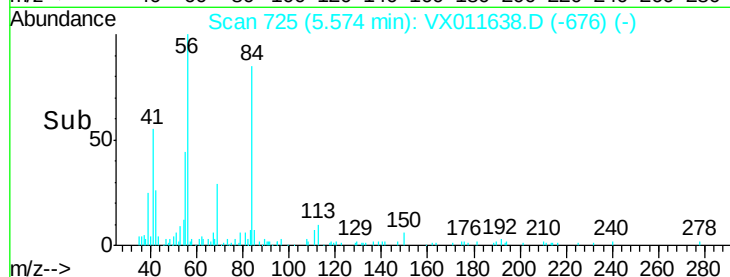
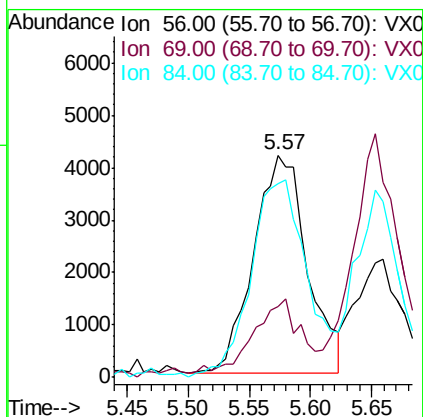
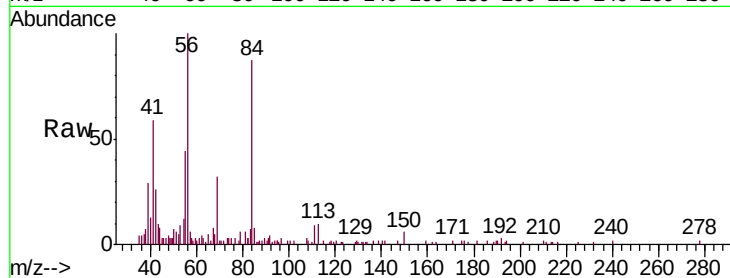




#31
Cyclohexane
Concen: 2.132 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

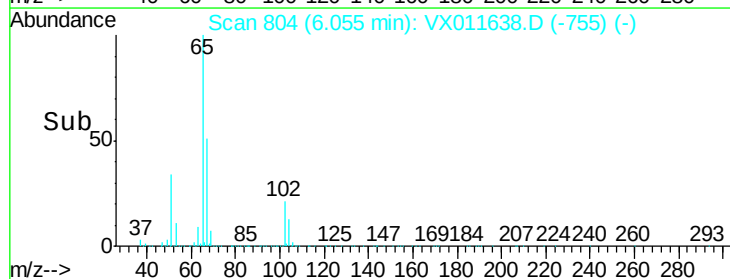
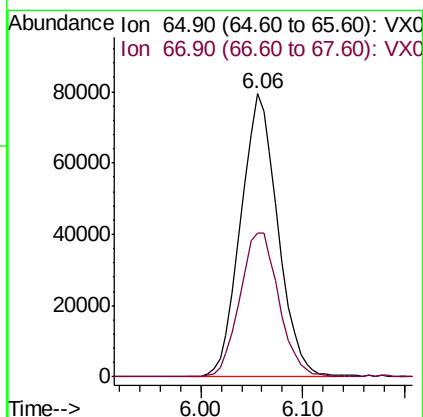
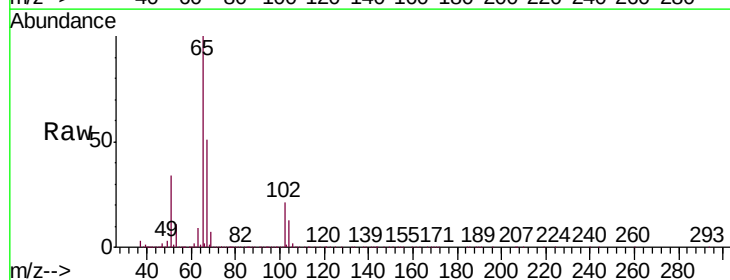
Instrument :
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PH2-0137DL

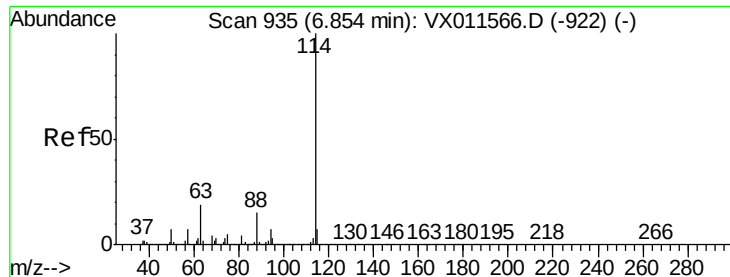
Tgt Ion: 56 Resp: 12719
Ion Ratio Lower Upper
56 100
69 30.7 24.8 37.2
84 89.0 67.9 101.9



#33
1,2-Dichloroethane-d4
Concen: 49.763 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion: 65 Resp: 200267
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.6

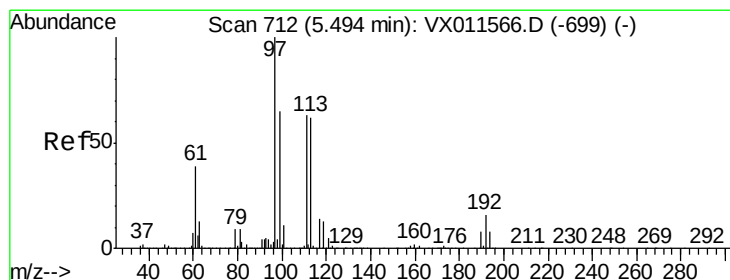
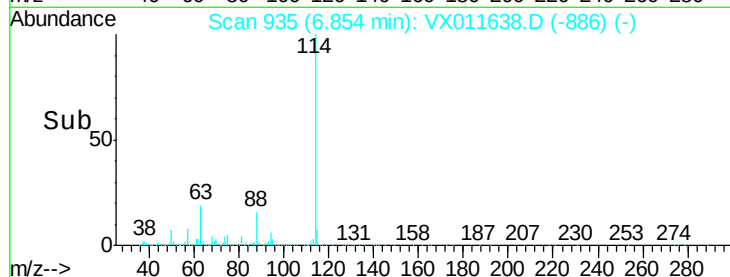
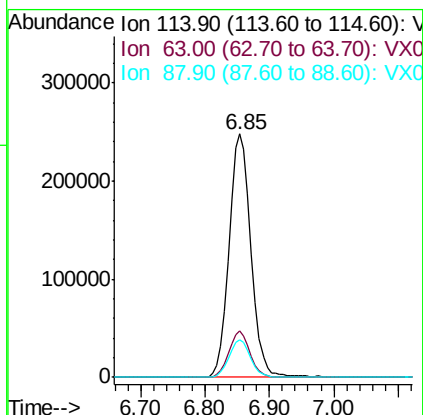
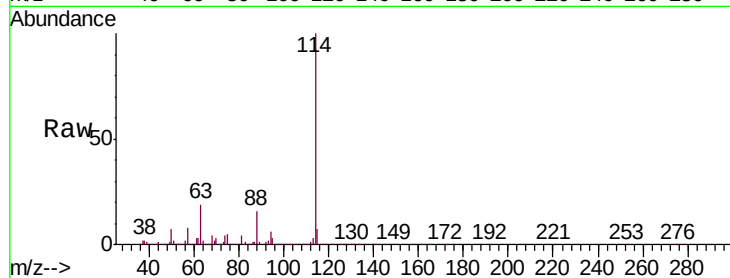




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011638.D
 Acq: 19 Aug 2019 17:40

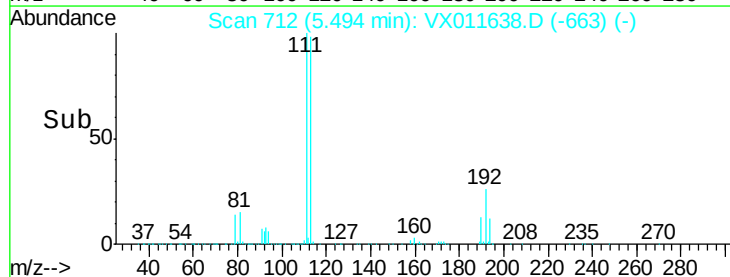
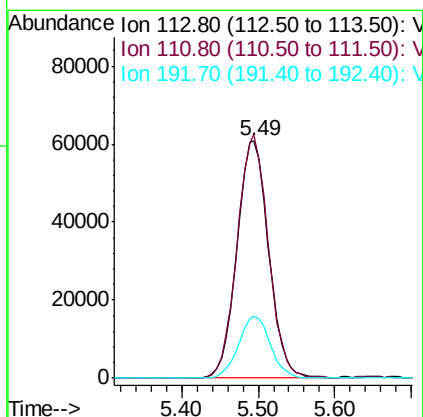
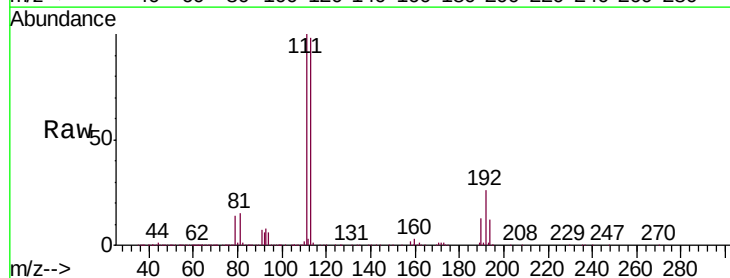
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0137DL

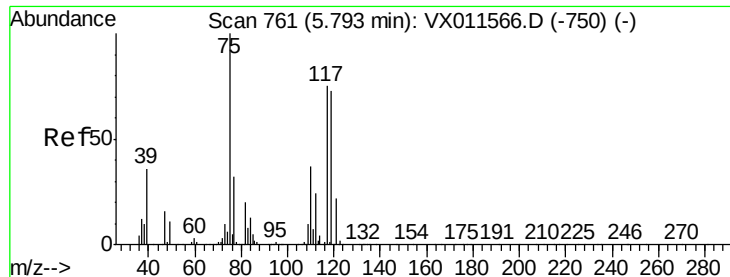
Tgt Ion:	114	Resp:	590653
Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	37.8
88	15.5	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 45.283 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011638.D
 Acq: 19 Aug 2019 17:40

Tgt Ion:	113	Resp:	174940
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	26.2	20.8	31.2

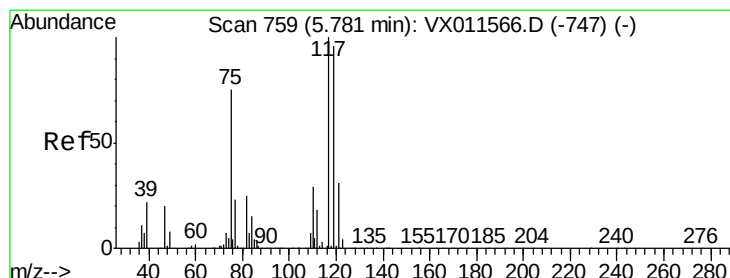
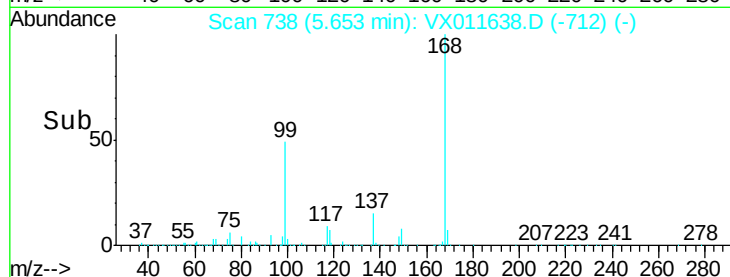
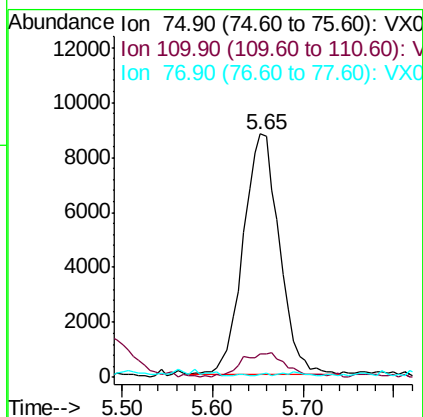
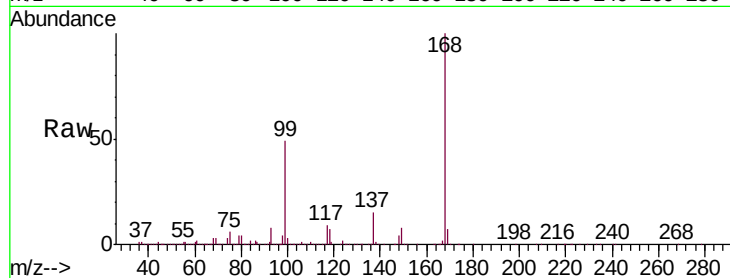




#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011638.D
 Acq: 19 Aug 2019 17:40

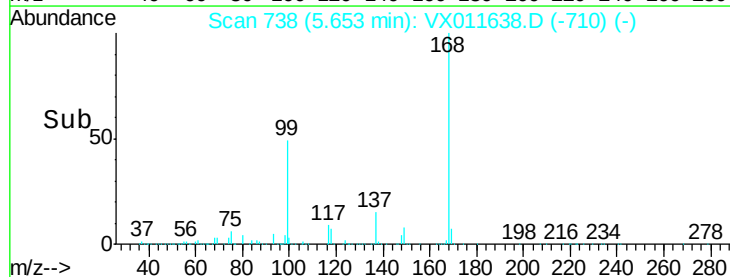
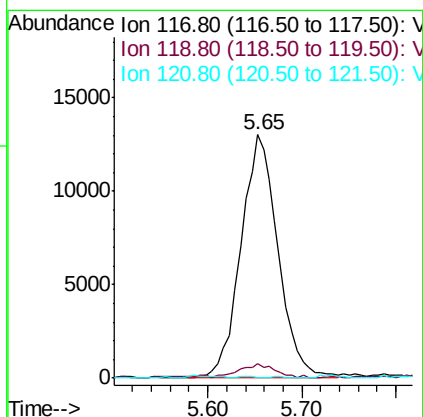
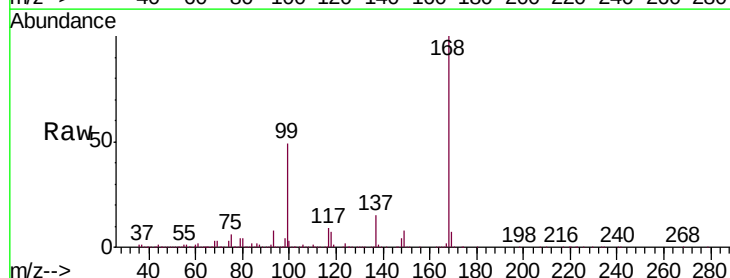
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 ClientSampleId :
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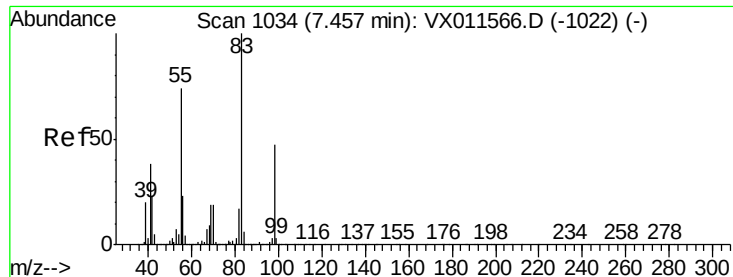
Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.5	19.4	58.1#
77	0.1	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.461 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011638.D
 Acq: 19 Aug 2019 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.9	115.3#
121	0.0	24.8	37.2#

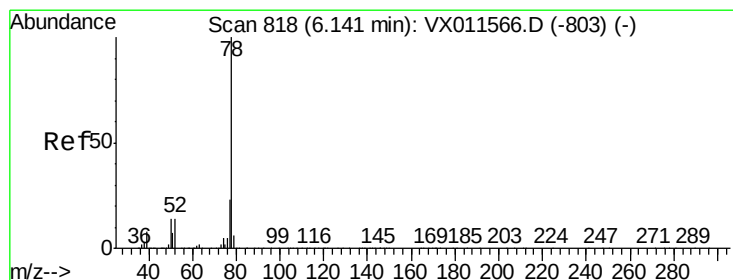
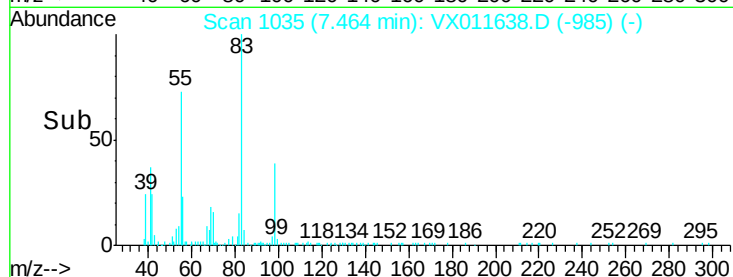
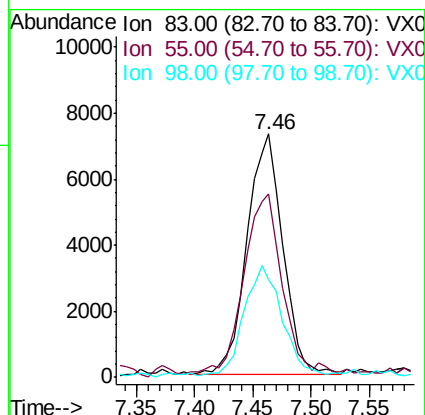
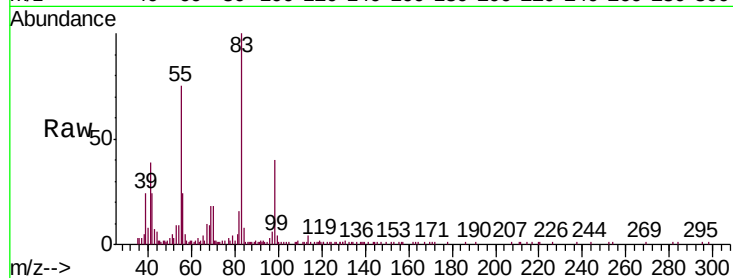




#39
Methylcyclohexane
Concen: 2.484 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

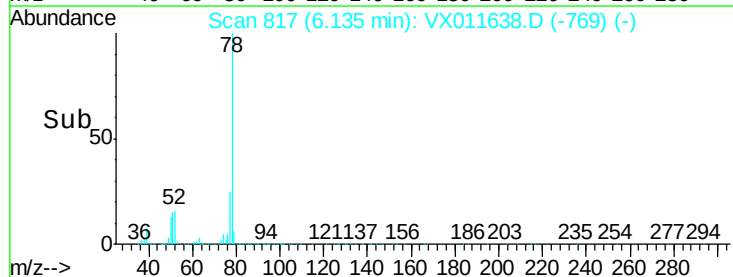
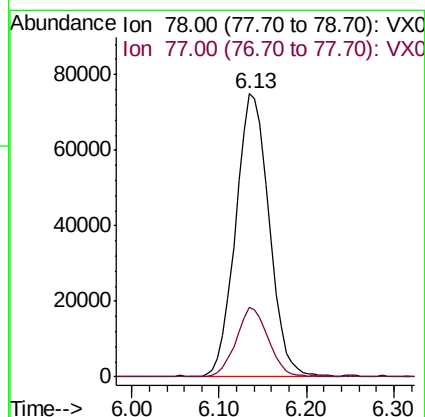
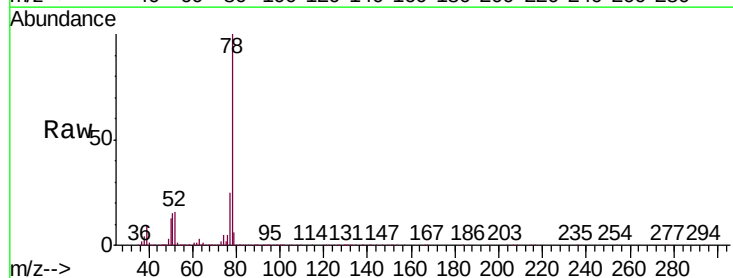
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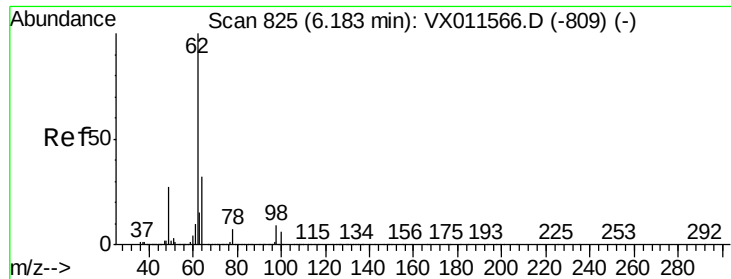
Tgt Ion: 83 Resp: 15491
Ion Ratio Lower Upper
83 100
55 73.8 58.8 88.2
98 39.2 37.8 56.6



#40
Benzene
Concen: 12.696 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion: 78 Resp: 199249
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0

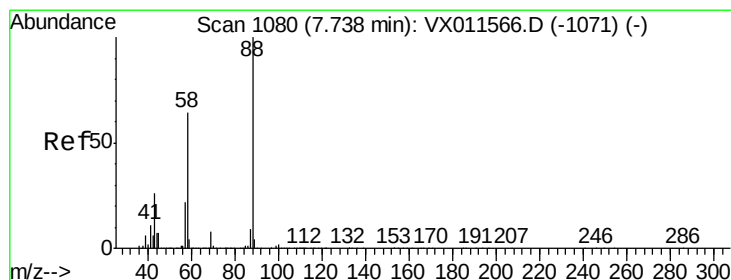
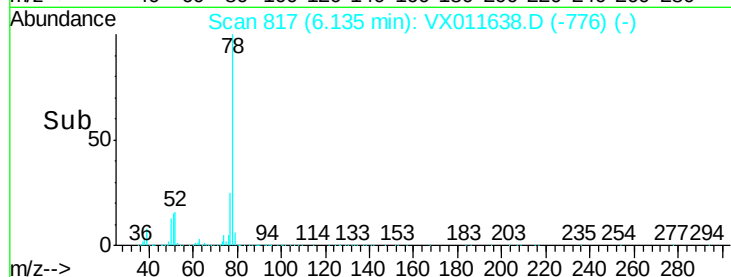
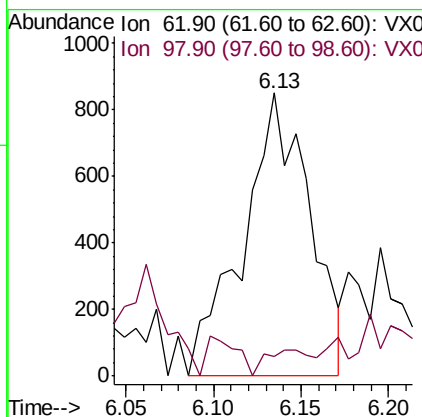
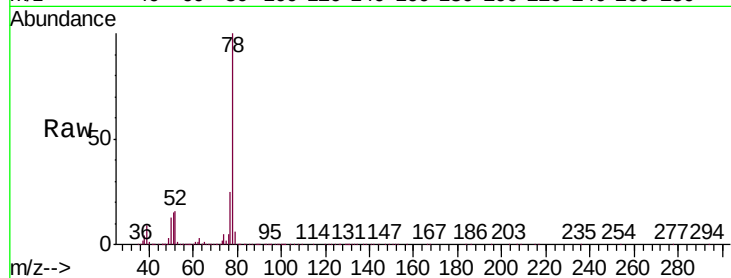




#42
1,2-Dichloroethane
Concen: 0.415 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.05 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

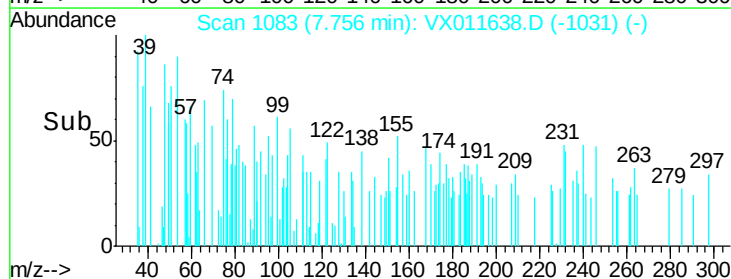
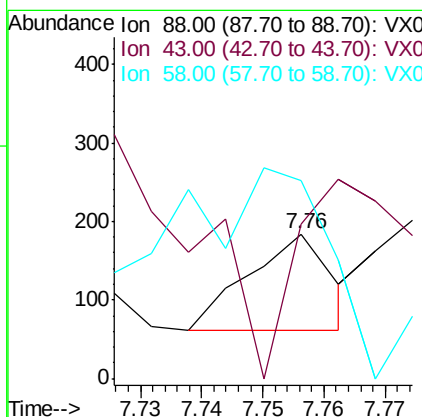
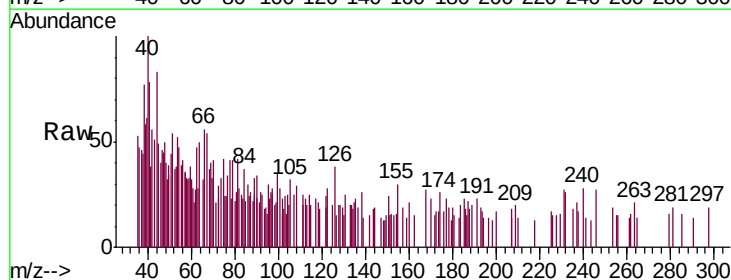
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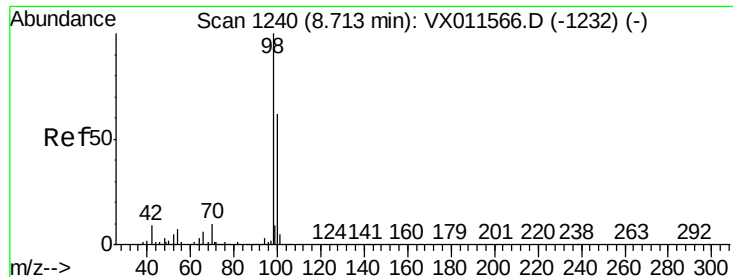
Tgt Ion: 62 Resp: 2257
Ion Ratio Lower Upper
62 100
98 6.4 0.0 19.4



#49
1,4-Dioxane
Concen: 0.963 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 387.0 23.4 35.0#
58 393.9 54.3 81.5#

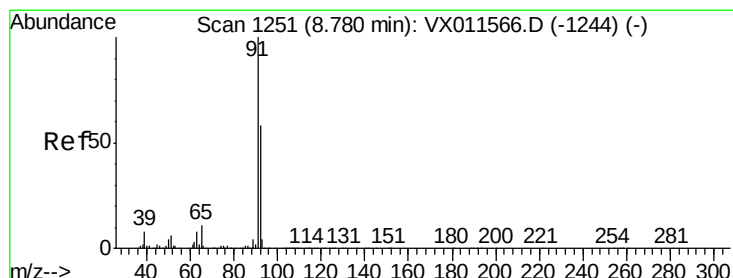
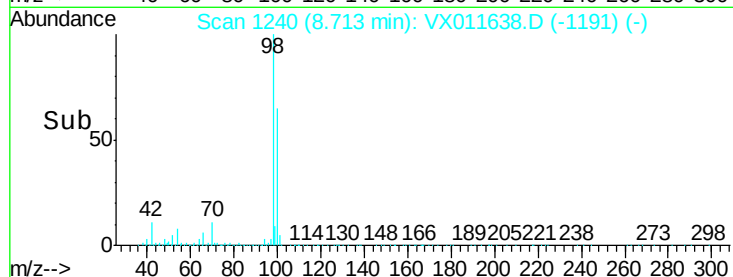
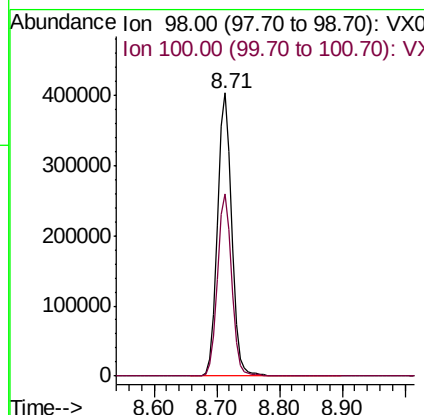
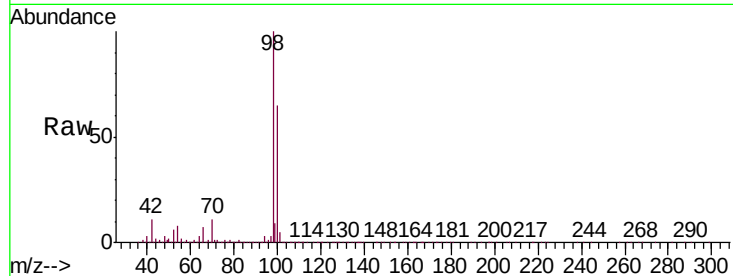




#50
Toluene-d8
Concen: 52.567 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

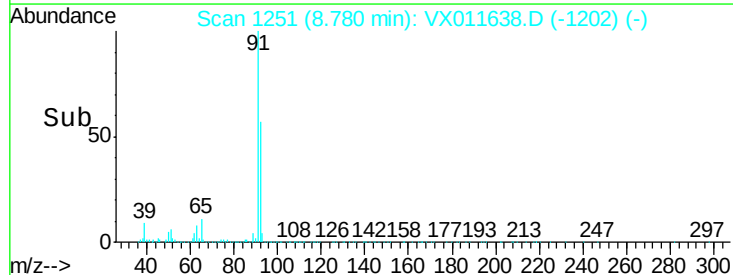
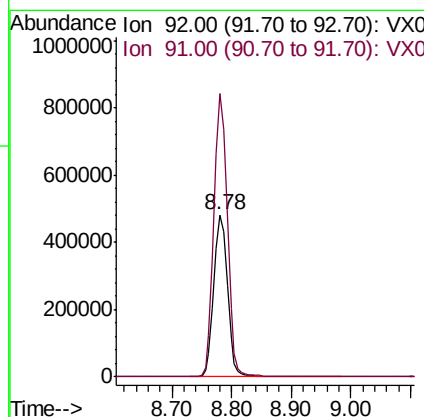
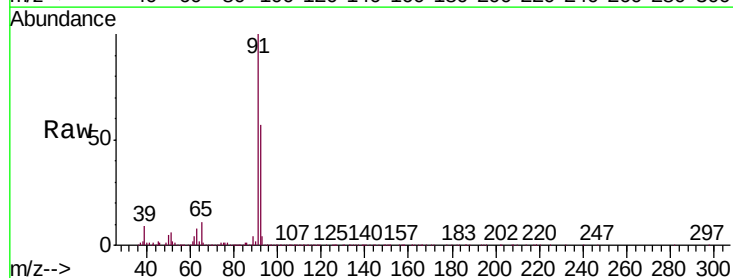
Instrument :
MSVOA_X
ClientSampleId :
PH2-0137DL

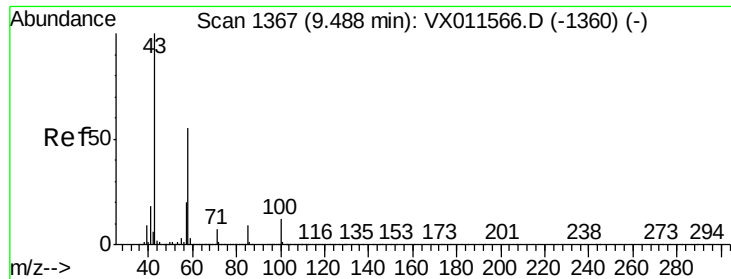
Tgt Ion: 98 Resp: 632773
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#52
Toluene
Concen: 75.672 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion: 92 Resp: 756570
Ion Ratio Lower Upper
92 100
91 173.2 138.0 207.0

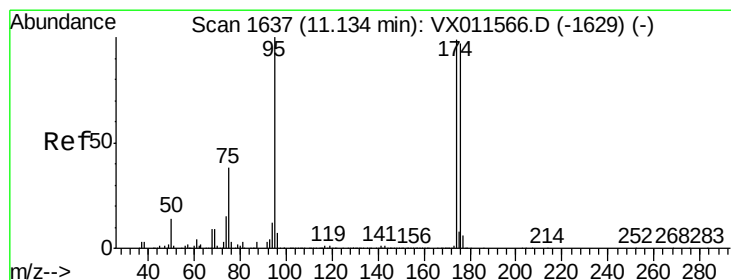
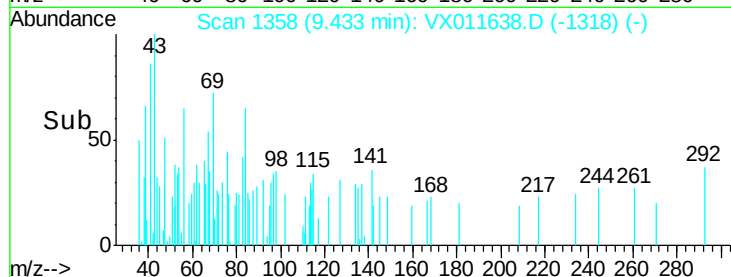
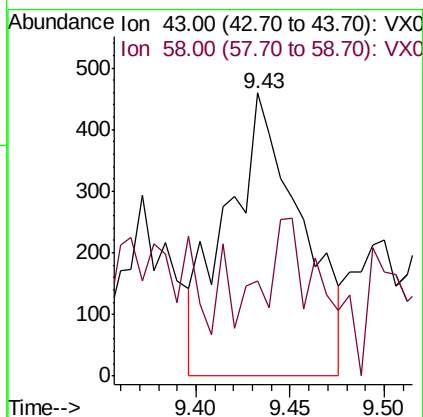
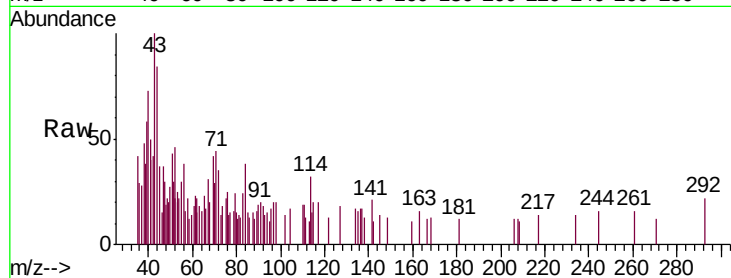




#59
2-Hexanone
Concen: 0.275 ug/l
RT: 9.43 min Scan# 1358
Delta R.T. -0.05 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

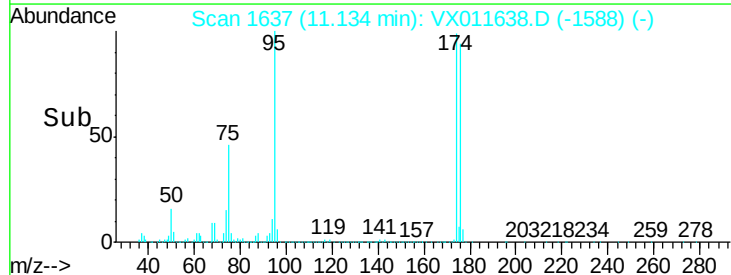
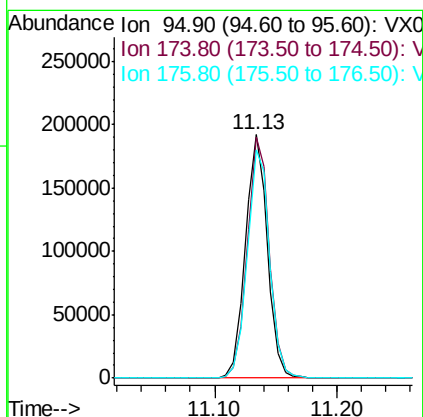
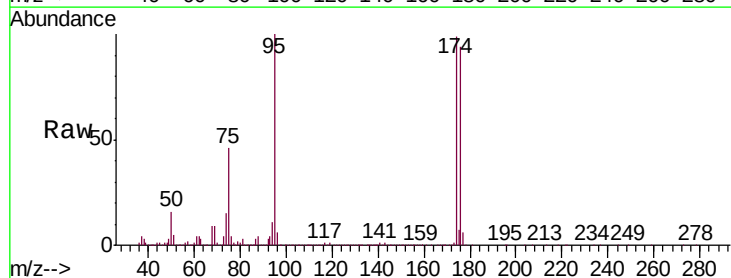
Instrument :
MSVOA_X
ClientSampleID :
PH2-0137DL

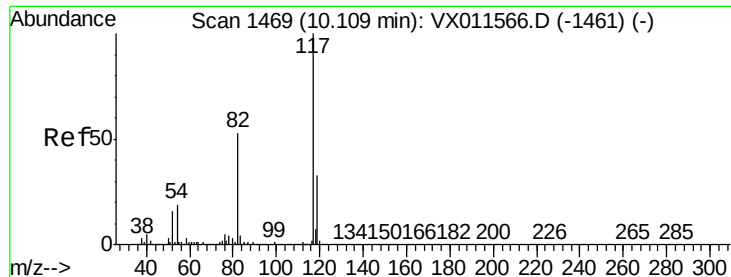
Tgt Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
58 41.9 27.5 82.4



#62
4-Bromofluorobenzene
Concen: 46.886 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion: 95 Resp: 238216
Ion Ratio Lower Upper
95 100
174 99.8 0.0 200.6
176 96.2 0.0 196.6

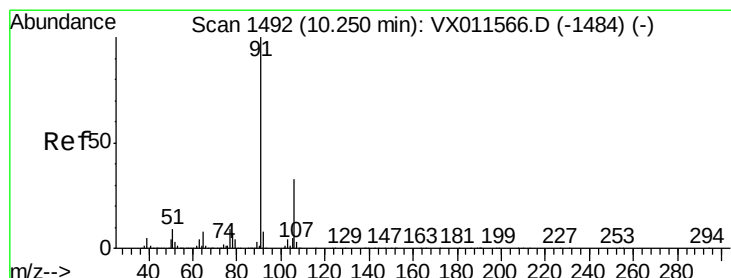
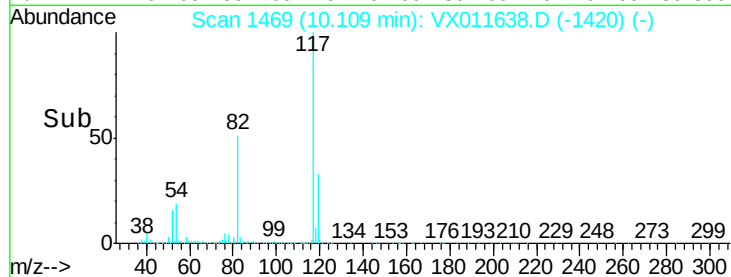
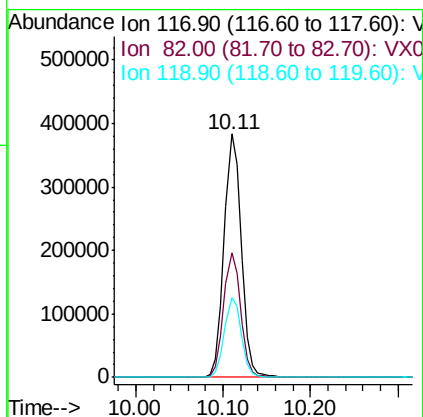
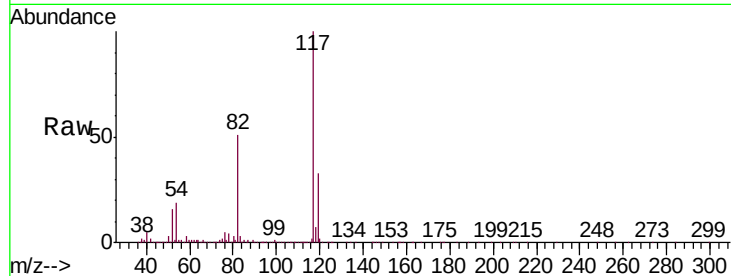




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

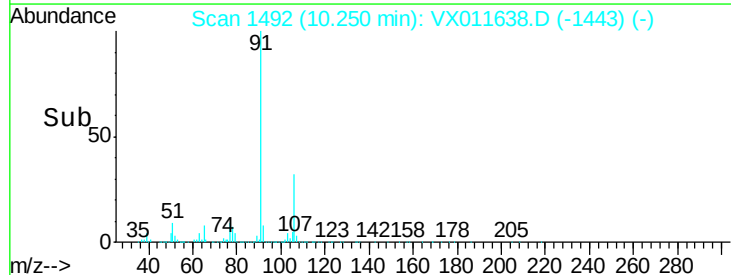
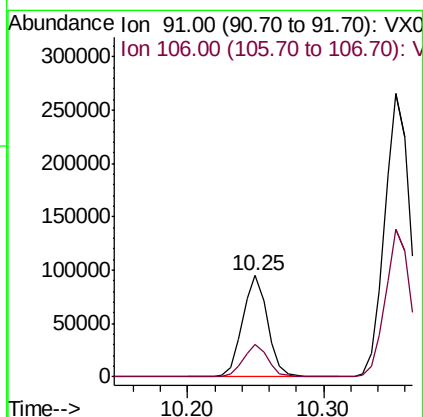
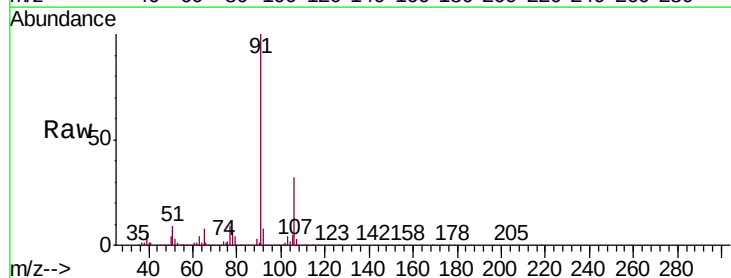
Instrument :
MSVOA_X
ClientSampleId :
PH2-0137DL

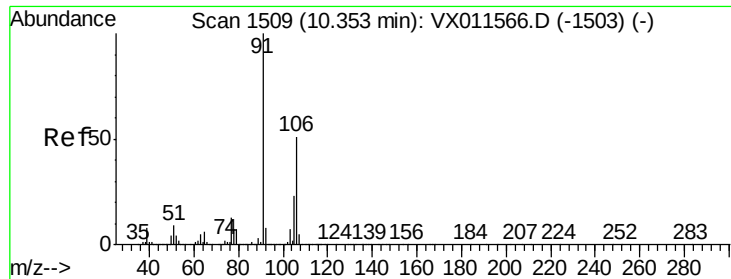
Tgt Ion: 117 Resp: 521250
Ion Ratio Lower Upper
117 100
82 51.0 42.0 63.0
119 32.7 26.5 39.7



#67
Ethyl Benzene
Concen: 6.556 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion: 91 Resp: 121647
Ion Ratio Lower Upper
91 100
106 31.8 26.0 39.0

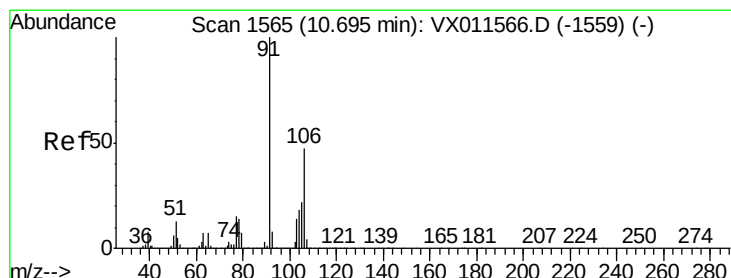
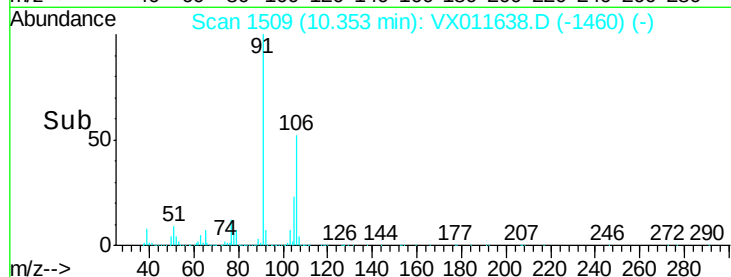
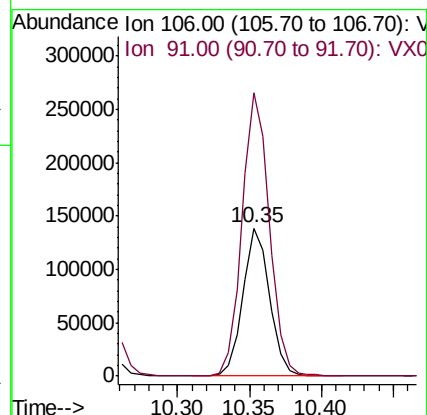
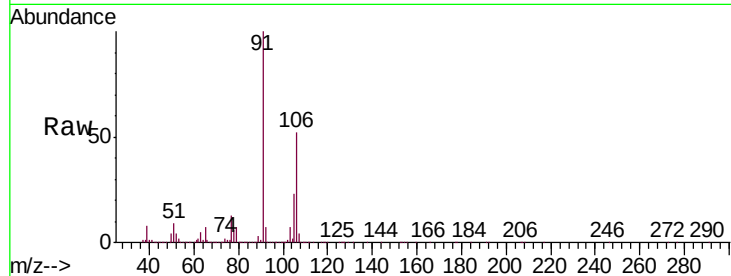




#68
m/p-Xylenes
Concen: 24.994 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

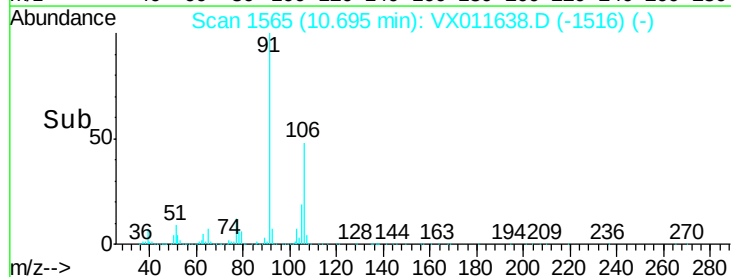
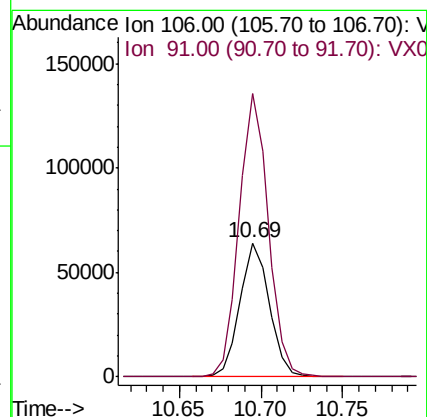
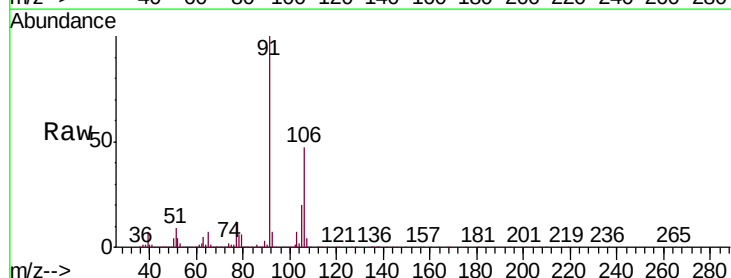
Instrument :
MSVOA_X
ClientSampleId :
PH2-0137DL

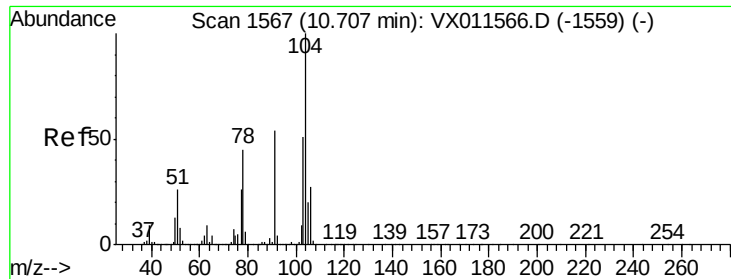
Tgt Ion:106 Resp: 178014
Ion Ratio Lower Upper
106 100
91 195.8 156.0 234.0



#69
o-Xylene
Concen: 11.522 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion:106 Resp: 80385
Ion Ratio Lower Upper
106 100
91 211.1 105.5 316.4





#70

Styrene

Concen: 0.404 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX011638.D

Acq: 19 Aug 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

PH2-0137DL

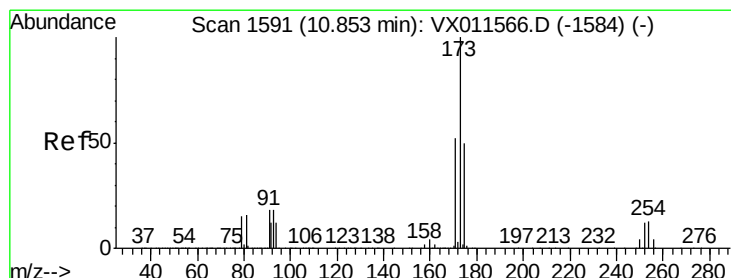
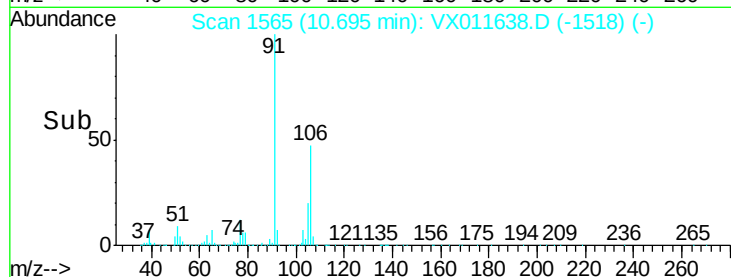
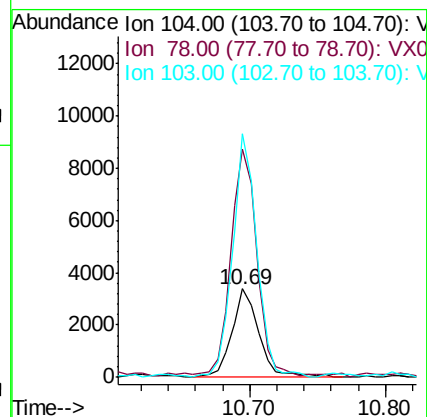
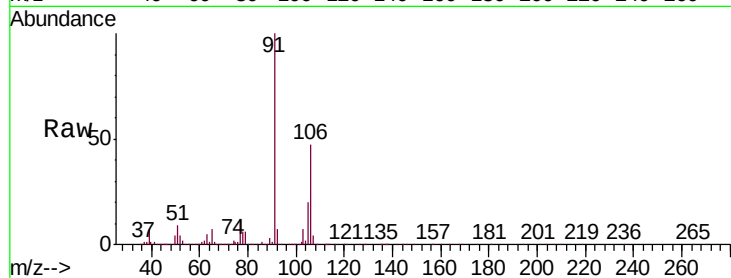
Tgt Ion:104 Resp: 4750

Ion Ratio Lower Upper

104 100

78 241.1 38.2 57.4#

103 243.3 43.6 65.4#



#71

Bromoform

Concen: 3.315 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.09 min

Lab File: VX011638.D

Acq: 19 Aug 2019 17:40

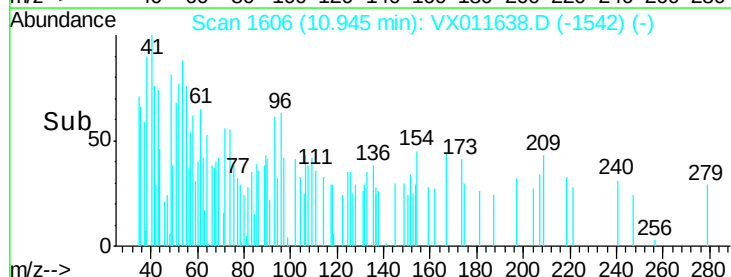
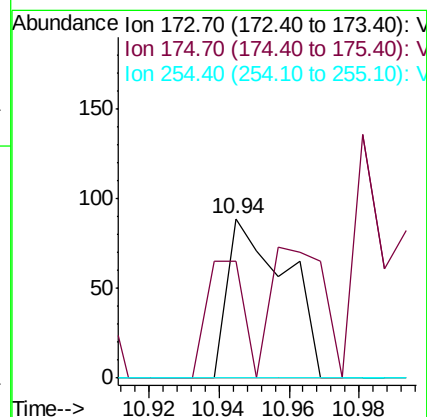
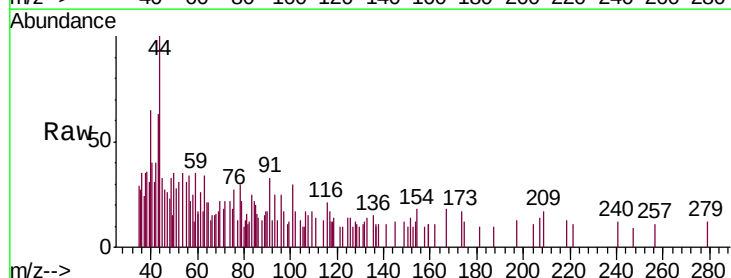
Tgt Ion:173 Resp: 103

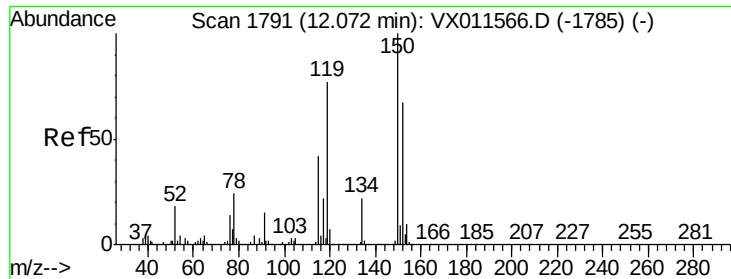
Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

254 0.0 0.1 0.1#



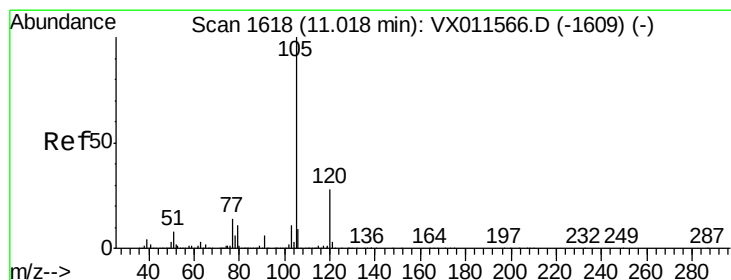
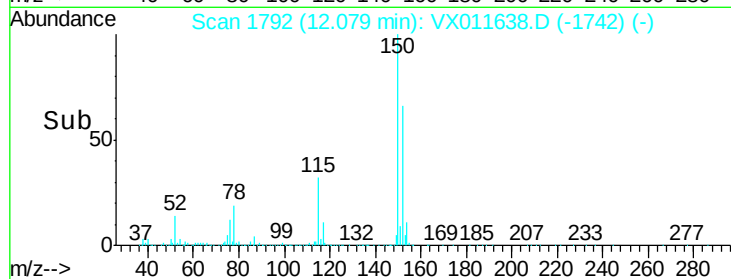
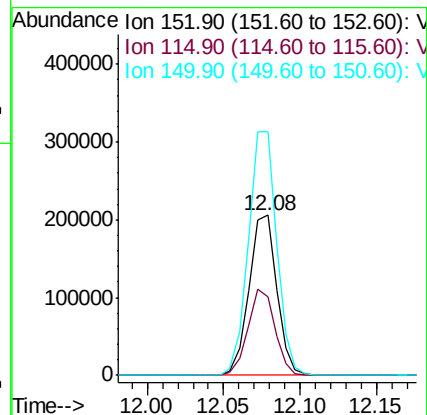
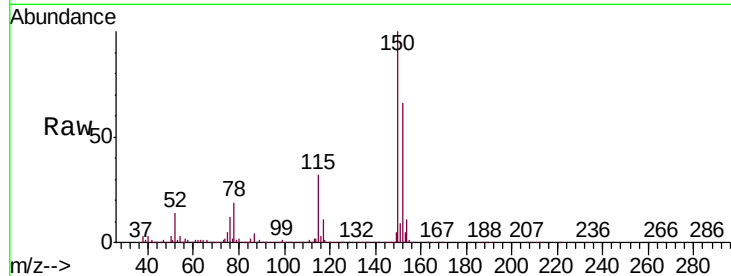


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
PH2-0137DL

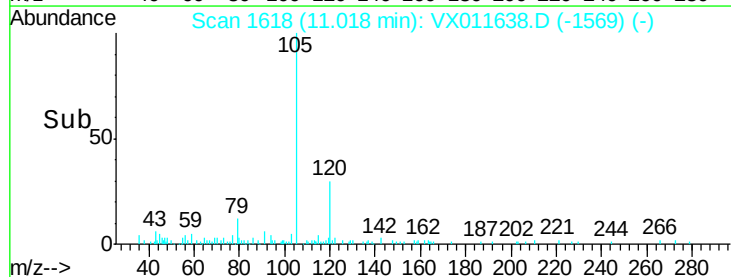
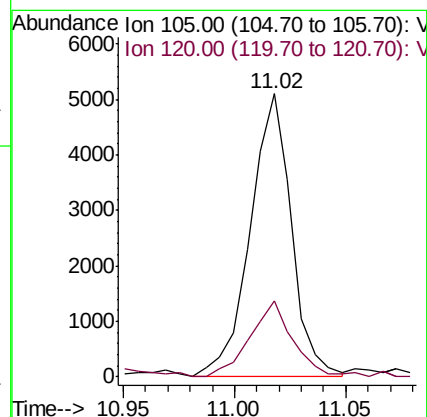
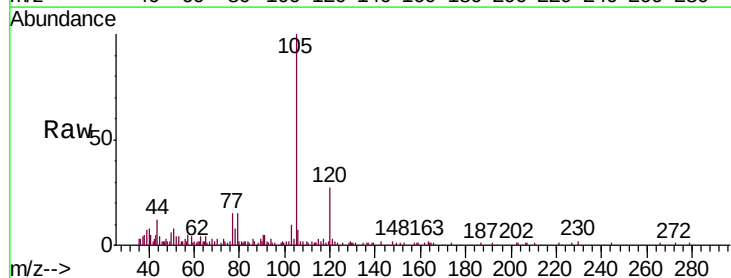
Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	37.3	111.9
150	155.2	0.0	346.2

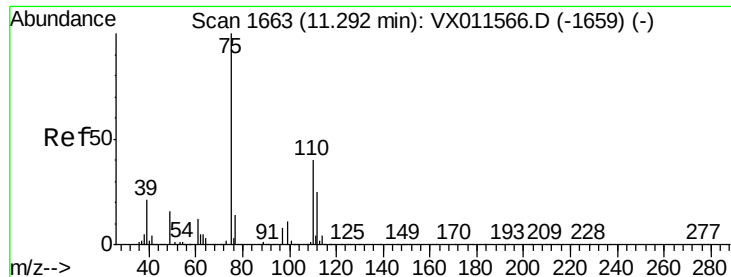


#73

Isopropylbenzene
Concen: 0.391 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	14.0	41.9





#76

1,2,3-Trichloropropane

Concen: 22.267 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011638.D

Acq: 19 Aug 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

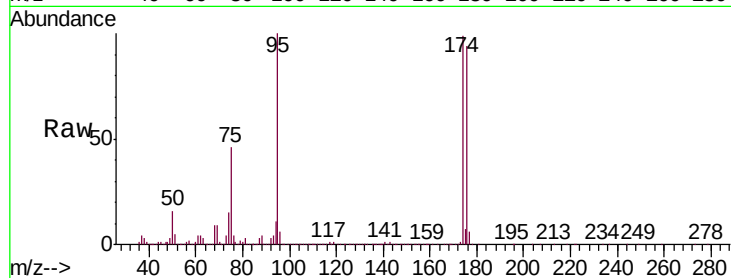
PH2-0137DL

Tgt Ion: 75 Resp: 109767

Ion Ratio Lower Upper

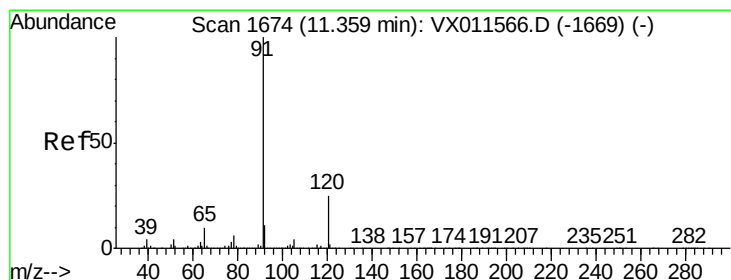
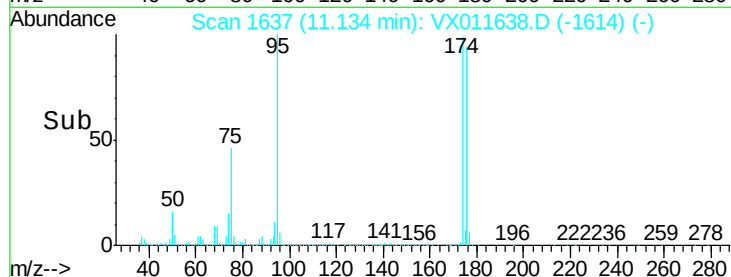
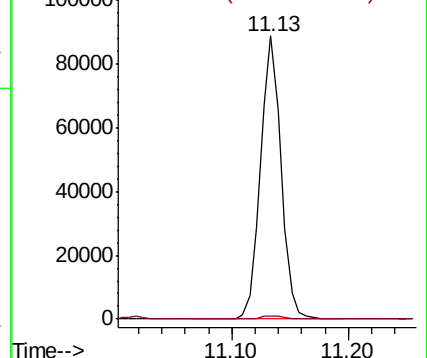
75 100

77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.296 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011638.D

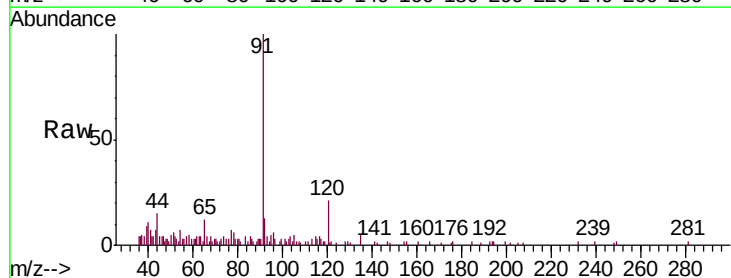
Acq: 19 Aug 2019 17:40

Tgt Ion: 91 Resp: 5377

Ion Ratio Lower Upper

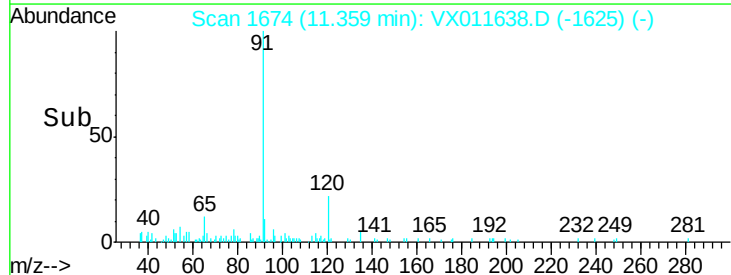
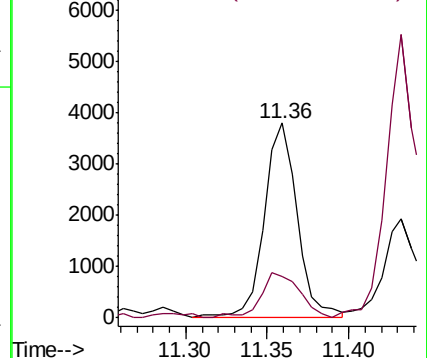
91 100

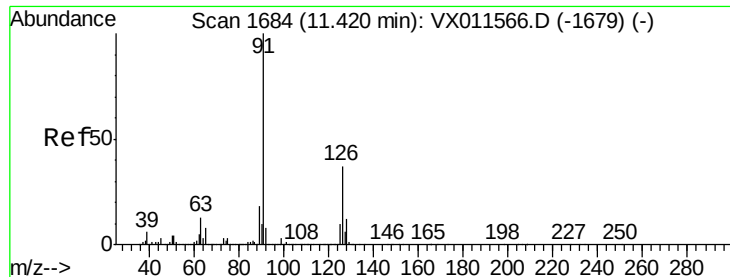
120 27.2 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.281 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011638.D

Acq: 19 Aug 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

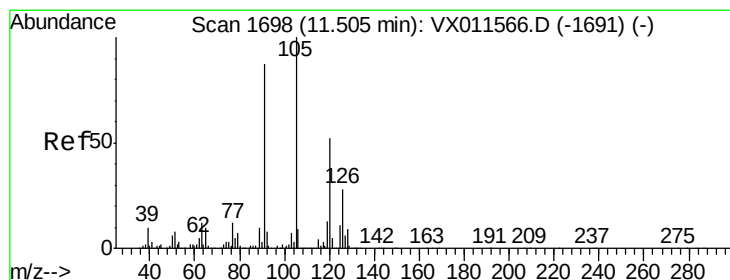
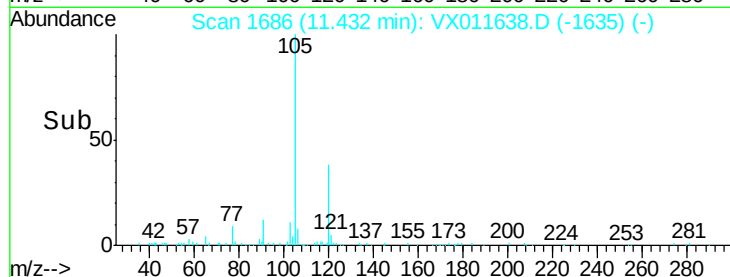
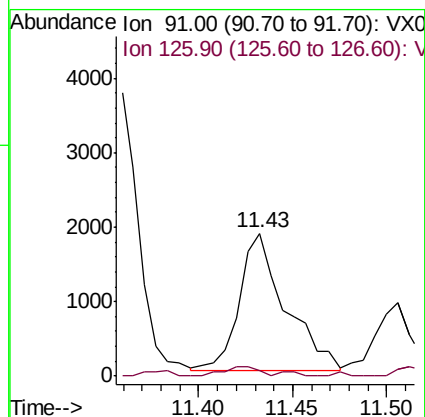
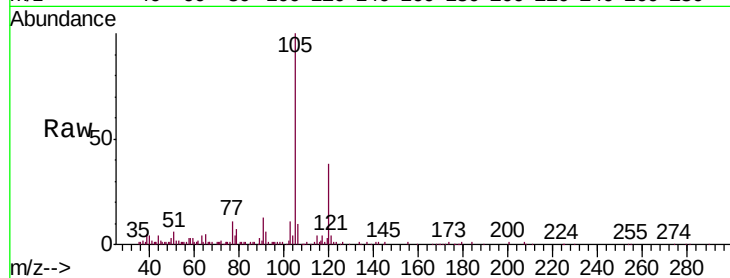
PH2-0137DL

Tgt Ion: 91 Resp: 3139

Ion Ratio Lower Upper

91 100

126 5.2 18.4 55.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.692 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011638.D

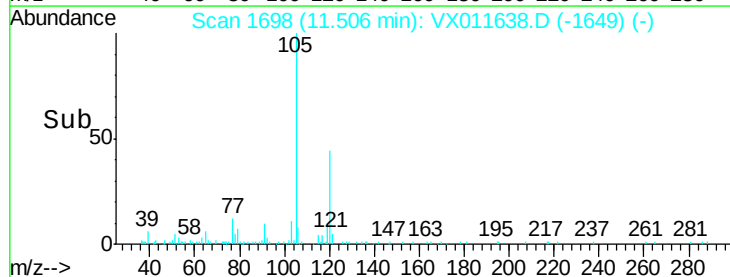
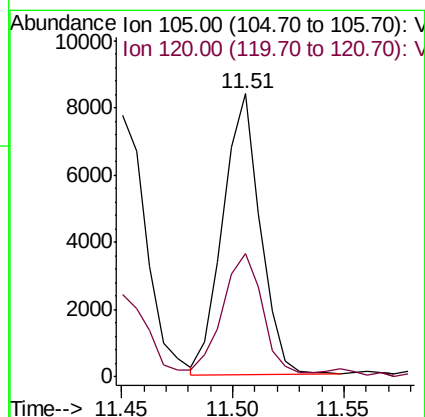
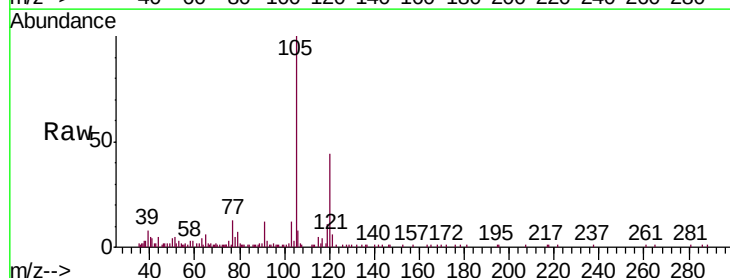
Acq: 19 Aug 2019 17:40

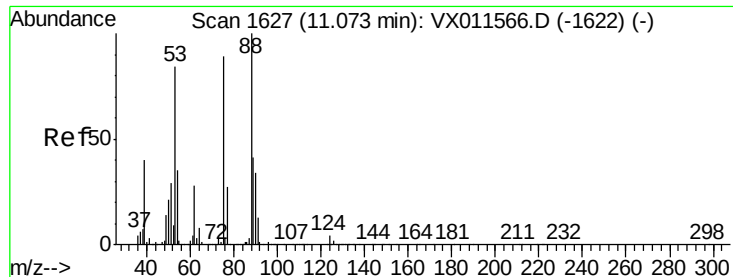
Tgt Ion: 105 Resp: 9799

Ion Ratio Lower Upper

105 100

120 48.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 59.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011638.D

Acq: 19 Aug 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

PH2-0137DL

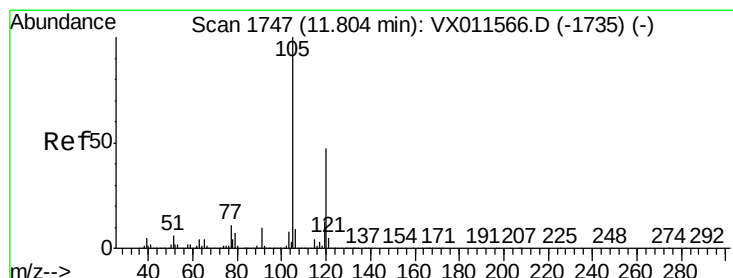
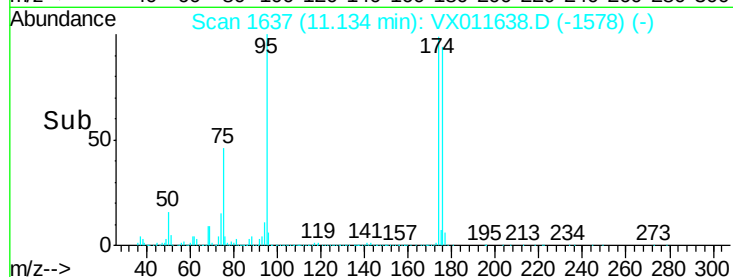
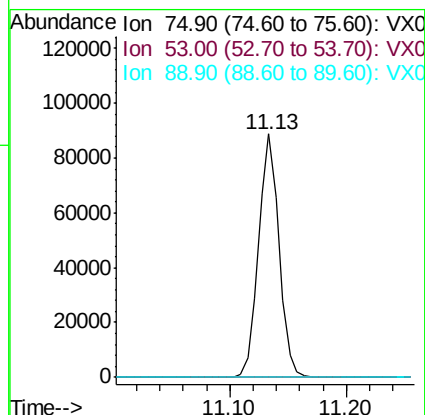
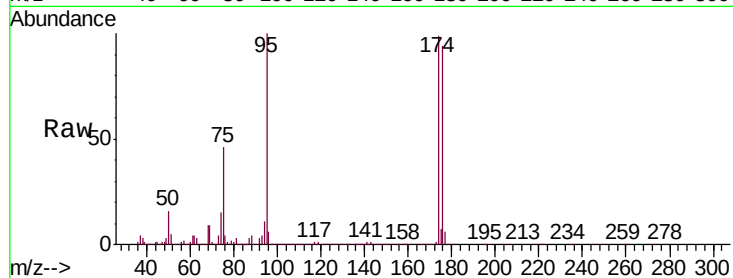
Tgt Ion: 75 Resp: 109767

Ion Ratio Lower Upper

75 100

53 0.1 77.4 116.0#

89 0.2 37.3 55.9#



#84

1,2,4-Trimethylbenzene

Concen: 1.585 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011638.D

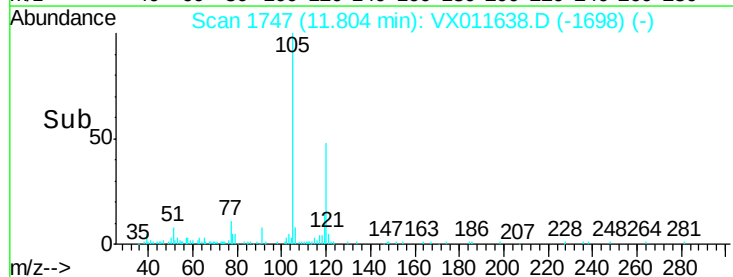
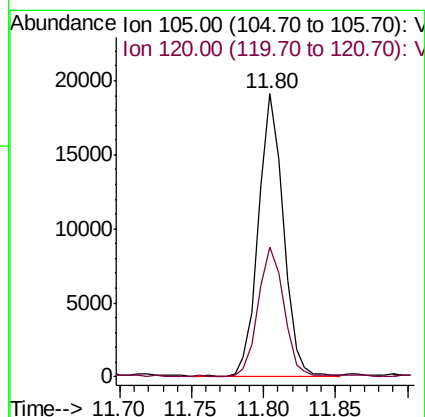
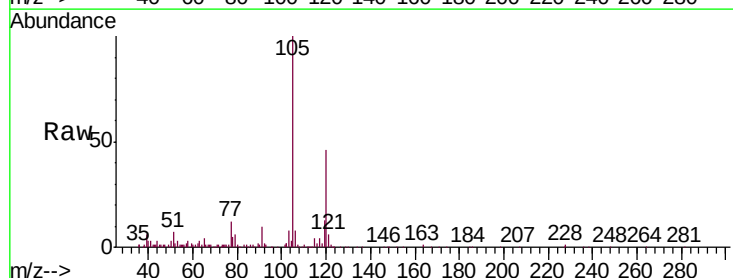
Acq: 19 Aug 2019 17:40

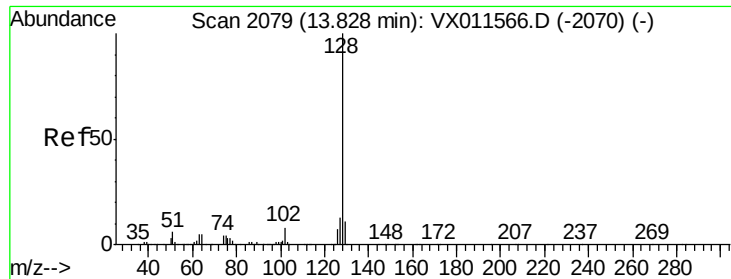
Tgt Ion:105 Resp: 22553

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.9





#95
Naphthalene
Concen: 0.278 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX011638.D
Acq: 19 Aug 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
PH2-0137DL

Tgt Ion:128 Resp: 5077
Ion Ratio Lower Upper
128 100
127 17.8 10.3 15.5#
129 15.3 8.7 13.1#

