

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007467.D
 Acq On : 11 Feb 2019 14:53
 Operator : JC/SP
 Sample : K1433-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207

Quant Time: Feb 12 00:03:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	559019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	845140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	803065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	427889	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	282460	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	5.50	113	264902	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	8.71	98	1038224	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.13	95	393528	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	311	0.223	ug/l	77
3) Chloromethane	1.34	50	2129	0.338	ug/l #	42
5) Bromomethane	1.65	94	428	Below Cal		95
6) Chloroethane	1.59	64	31924	7.989	ug/l #	50
11) Tert butyl alcohol	3.06	59	14235	11.593	ug/l #	73
13) Acrolein	2.28	56	3678	6.387	ug/l #	1
14) Allyl chloride	2.78	41	9258	1.065	ug/l #	28
15) Acrylonitrile	3.17	53	37294	12.277	ug/l #	37
16) Acetone	2.45	43	8070	2.969	ug/l #	85
17) Carbon Disulfide	2.57	76	3195	2.340	ug/l #	81
18) Methyl Acetate	2.84	43	301808	42.705	ug/l #	51
19) Methyl tert-butyl Ether	3.21	73	1271407	73.526	ug/l	94
20) Methylene Chloride	2.85	84	1476	Below Cal	#	1
23) Vinyl Acetate	3.82	43	13009	0.980	ug/l #	74
25) 2-Butanone	4.71	43	1794	0.464	ug/l #	61
29) Tetrahydrofuran	5.16	42	9296	3.821	ug/l #	60
30) Chloroform	5.28	83	41802	4.361	ug/l #	23
31) Cyclohexane	5.58	56	649555	78.724	ug/l	96
36) 1,1-Dichloropropene	5.67	75	34642	4.568	ug/l #	49
38) Carbon Tetrachloride	5.66	117	49132	6.679	ug/l #	16
39) Methylcyclohexane	7.46	83	680084	74.127	ug/l	96
40) Benzene	6.15	78	9860830	441.457	ug/l	100
41) Methacrylonitrile	5.06	41	6093	1.483	ug/l #	48
42) 1,2-Dichloroethane	6.15	62	83523	10.807	ug/l #	74
43) Isopropyl Acetate	6.45	43	40743	3.444	ug/l #	53
46) Dibromomethane	7.63	93	1594	0.392	ug/l #	1
47) Bromodichloromethane	7.84	83	6993	1.014	ug/l #	94
48) Methyl methacrylate	7.73	41	110096	18.603	ug/l #	52
49) 1,4-Dioxane	7.76	88	159	8.052	ug/l #	25
51) 4-Methyl-2-Pentanone	8.68	43	23551	3.024	ug/l #	59
52) Toluene	8.78	92	200473	13.911	ug/l	97
55) 1,1,2-Trichloroethane	9.16	97	86775	14.445	ug/l #	18
56) Ethyl methacrylate	9.16	69	22790	2.739	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.27	63	2944	0.671	ug/l #	58

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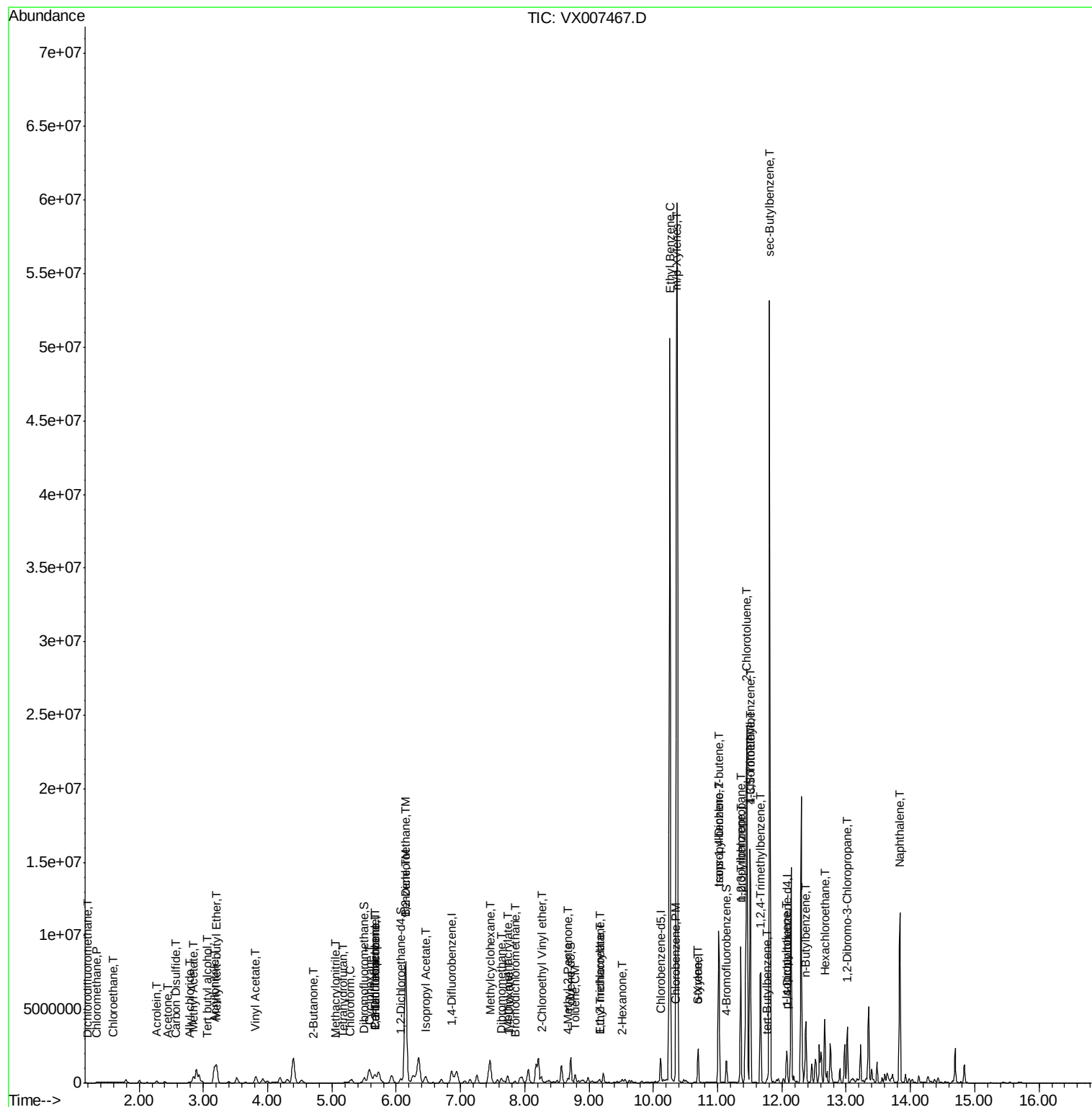
59) 2-Hexanone	9.51	43	5957	0.983	ug/l	78
65) Chlorobenzene	10.33	112	20857	1.190	ug/l #	48
67) Ethyl Benzene	10.25	91	17440683	618.005	ug/l #	42
68) m/p-Xylenes	10.37	106	14155286	1261.815	ug/l #	53
69) o-Xylene	10.69	106	521216	48.284	ug/l	96
70) Styrene	10.70	104	31774	1.815	ug/l #	1
73) Isopropylbenzene	11.02	105	5218180	179.459	ug/l	99
76) 1,2,3-Trichloropropane	11.36	75	32575	3.914	ug/l #	1
78) n-propylbenzene	11.36	91	5308176	166.478	ug/l	99
79) 2-Chlorotoluene	11.46	91	1766010	91.280	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	6397853	268.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	58979	24.279	ug/l #	70
82) 4-Chlorotoluene	11.51	91	697494	31.157	ug/l #	42
83) tert-Butylbenzene	11.77	119	122498	5.201	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.67	105	3756375	155.536	ug/l	78
85) sec-Butylbenzene	11.80	105	14746687	517.324	ug/l #	55
86) p-Isopropyltoluene	12.07	119	124128	4.824	ug/l #	79
89) n-Butylbenzene	12.37	91	480577	21.710	ug/l #	3
90) Hexachloroethane	12.67	117	189881	49.305	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	10921	5.927	ug/l #	1
95) Naphthalene	13.83	128	6885210	238.597	ug/l	99

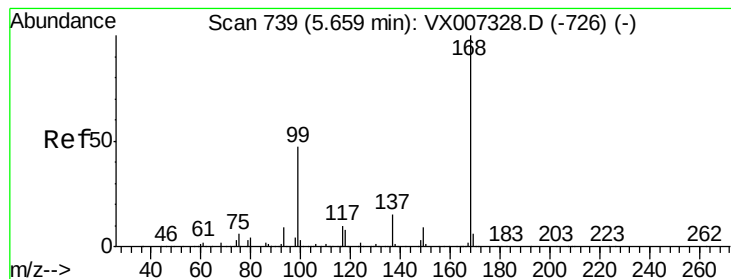
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

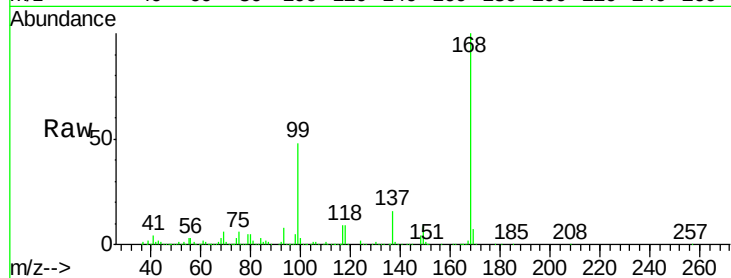
KY001MW022-190207

Tot Ion:168 Resp: 559019

Ion Ratio Lower Upper

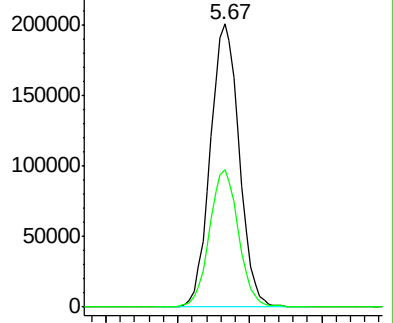
168 100

99 48.3 37.9 56.9

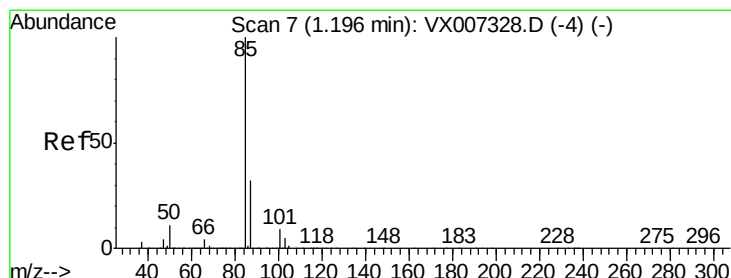
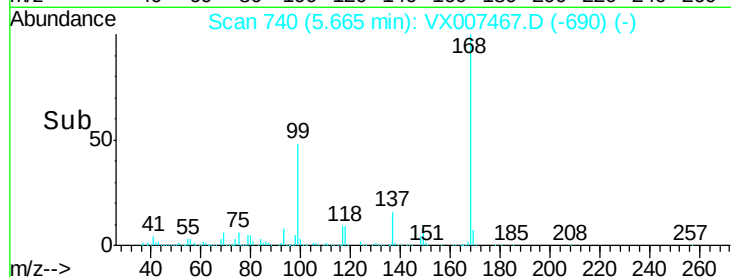


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.223 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007467.D

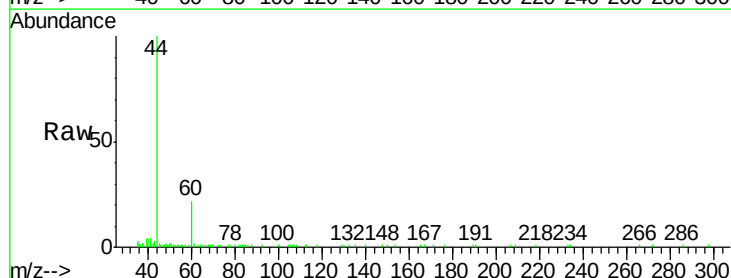
Acq: 11 Feb 2019 14:53

Tgt Ion: 85 Resp: 311

Ion Ratio Lower Upper

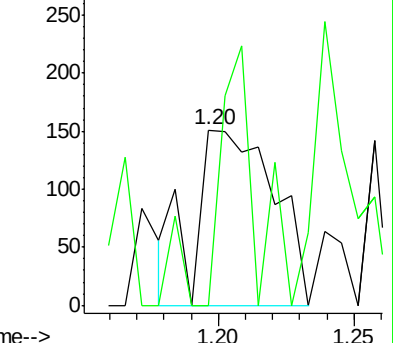
85 100

87 44.4 15.8 47.4

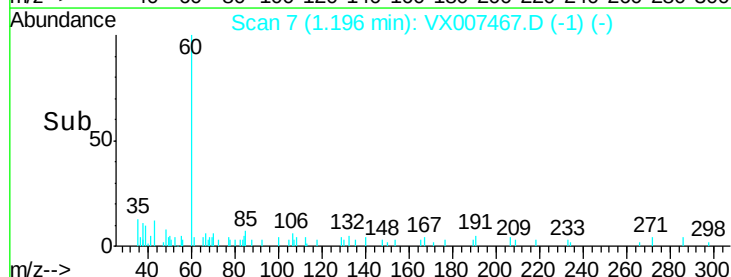


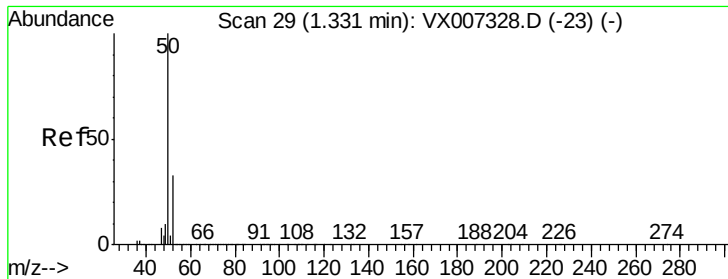
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 0.338 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

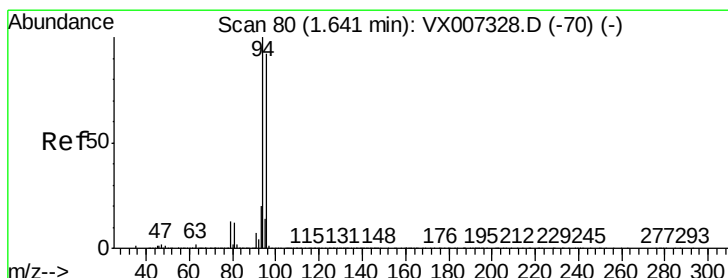
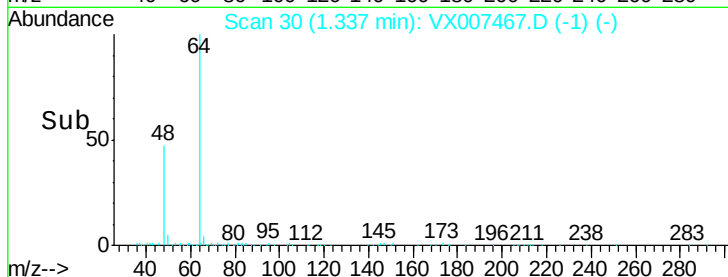
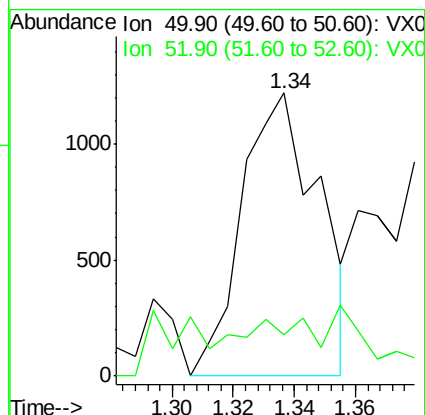
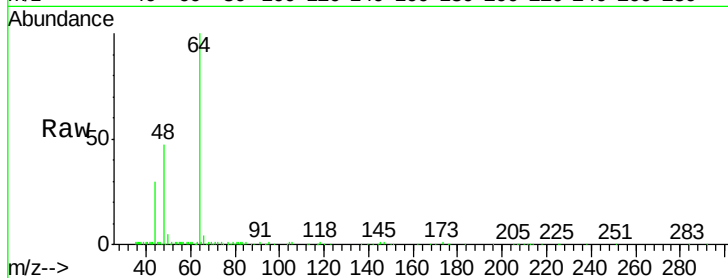
KY001MW022-190207

Tot Ion: 50 Resp: 2129

Ion Ratio Lower Upper

50 100

52 0.0 26.1 39.1#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007467.D

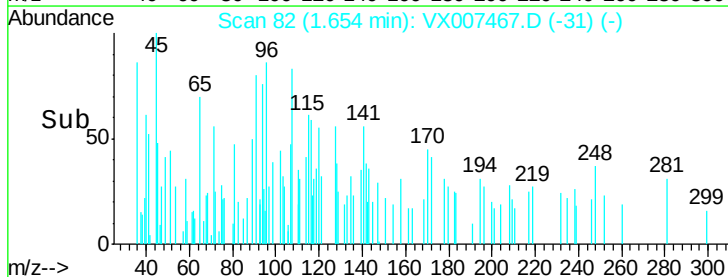
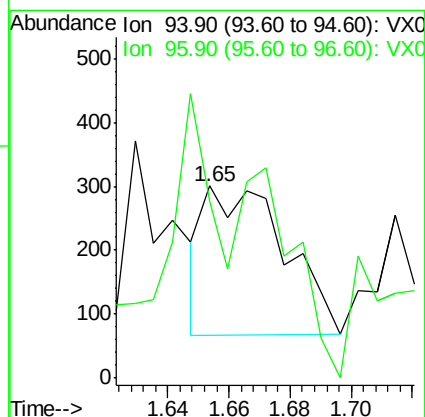
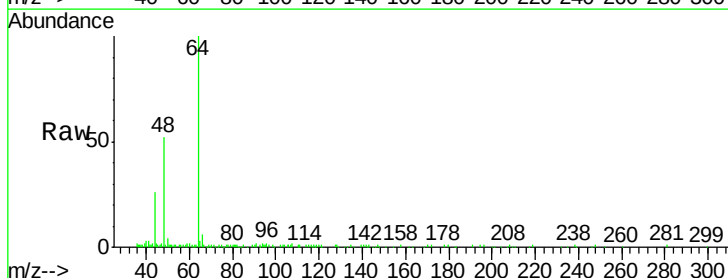
Acq: 11 Feb 2019 14:53

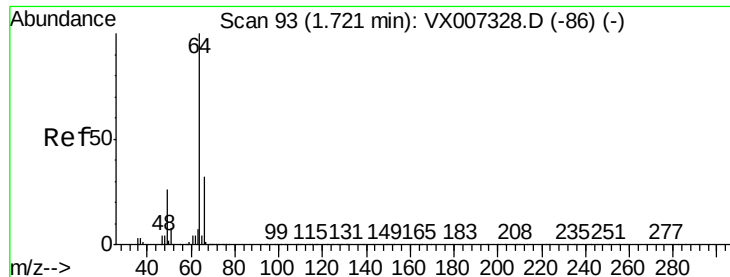
Tgt Ion: 94 Resp: 428

Ion Ratio Lower Upper

94 100

96 87.7 73.9 110.9





#6

Chloroethane

Concen: 7.989 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

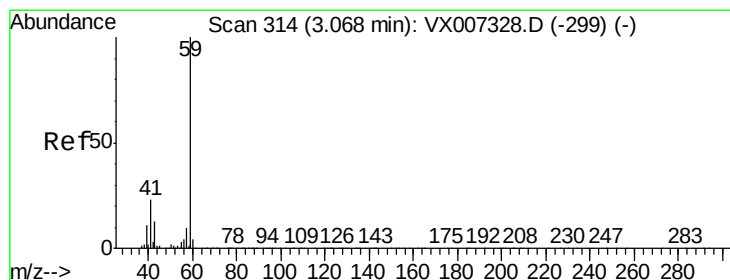
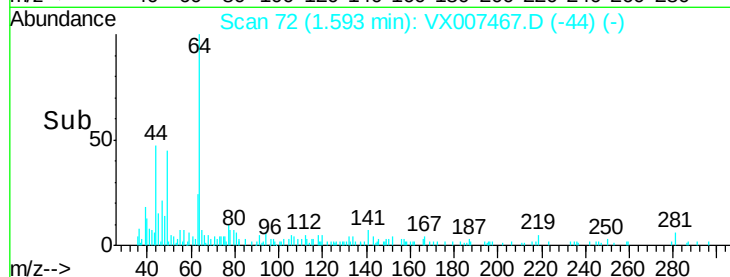
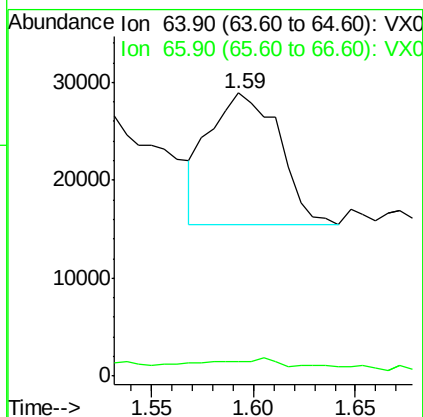
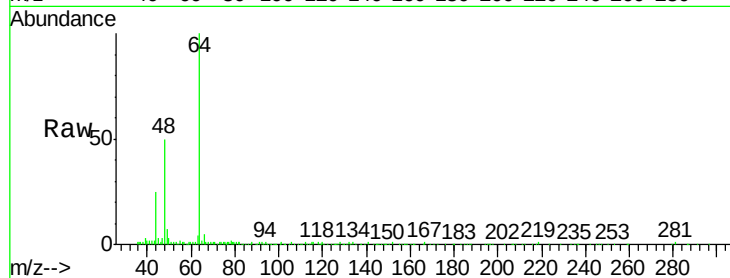
KY001MW022-190207

Tot Ion: 64 Resp: 31924

Ion Ratio Lower Upper

64 100

66 4.2 25.5 38.3#



#11

Tert butyl alcohol

Concen: 11.593 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007467.D

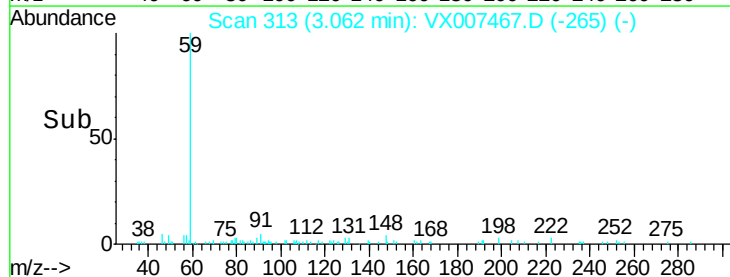
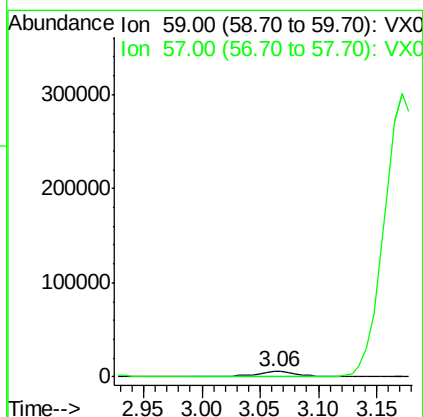
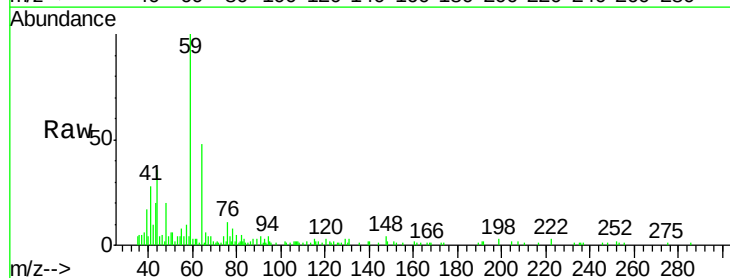
Acq: 11 Feb 2019 14:53

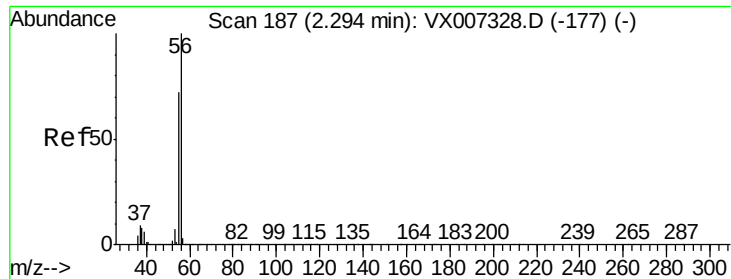
Tgt Ion: 59 Resp: 14235

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

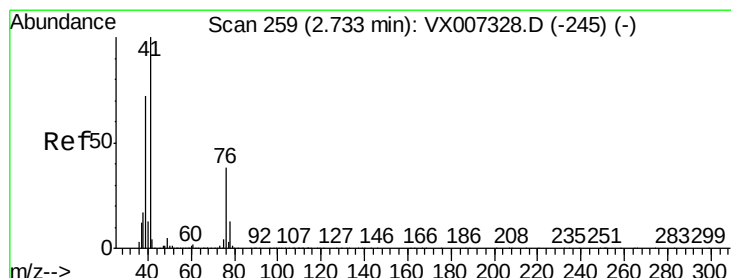
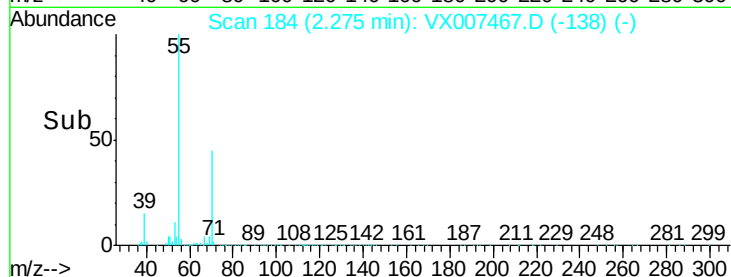
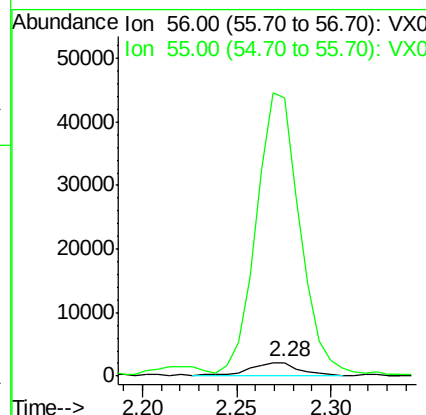
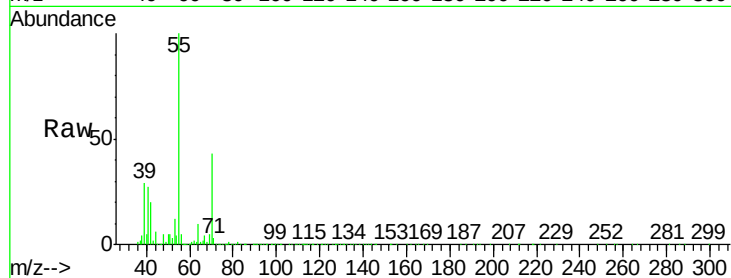




#13
Acrolein
Concen: 6.387 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

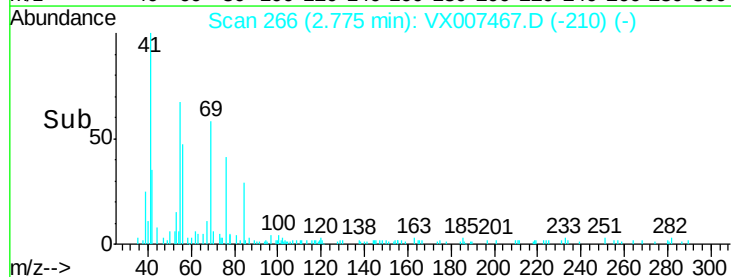
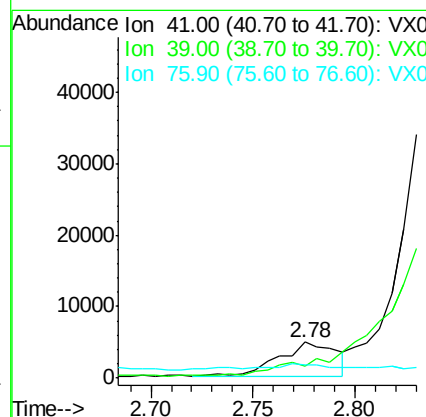
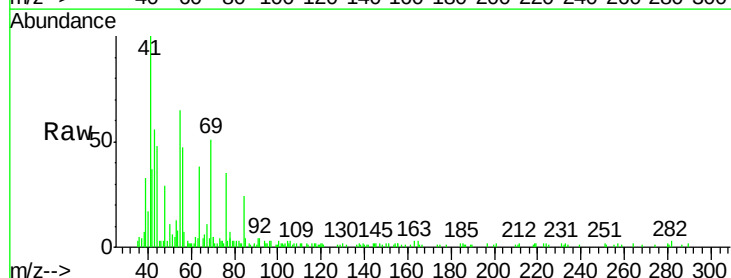
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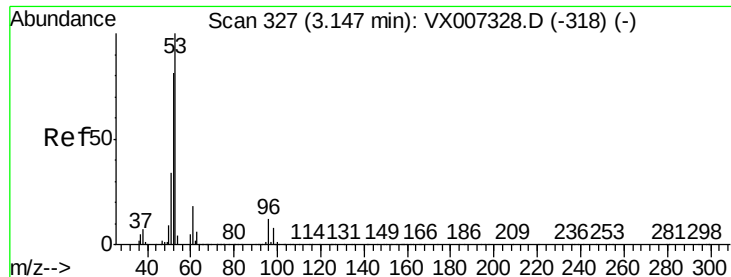
Tot Ion: 56 Resp: 3678
Ion Ratio Lower Upper
56 100
55 1931.8 56.9 85.3#



#14
Allyl chloride
Concen: 1.065 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.04 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion: 41 Resp: 9258
Ion Ratio Lower Upper
41 100
39 0.0 54.1 81.1#
76 6.5 27.8 41.8#





#15

Acrylonitrile

Concen: 12.277 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

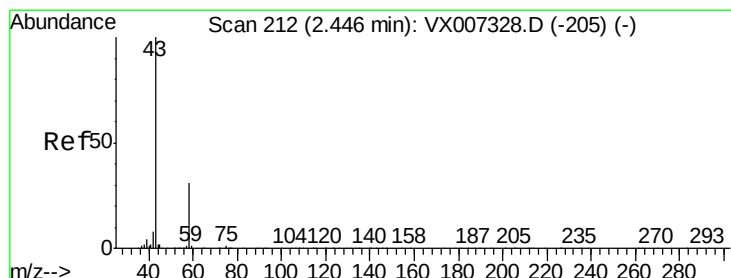
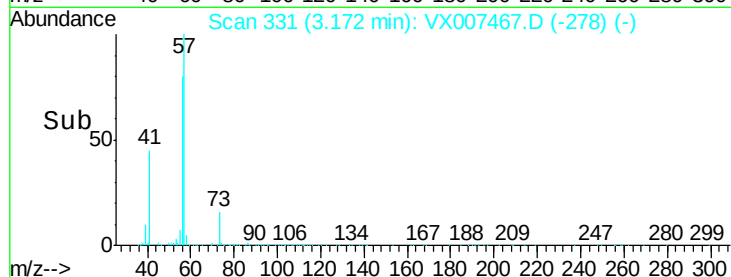
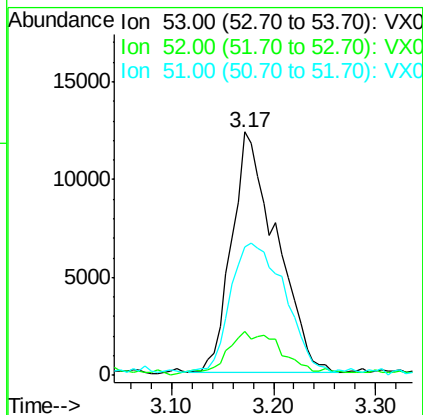
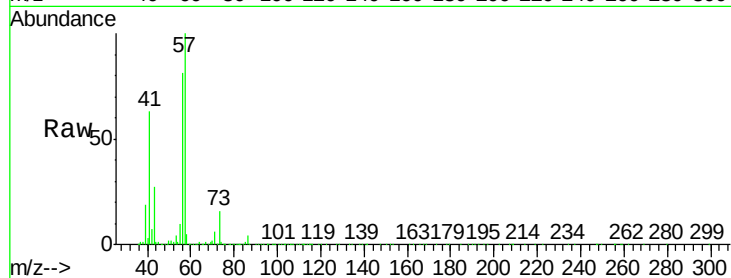
Tot Ion: 53 Resp: 37294

Ion Ratio Lower Upper

53 100

52 22.6 66.4 99.6#

51 65.8 28.4 42.6#



#16

Acetone

Concen: 2.969 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007467.D

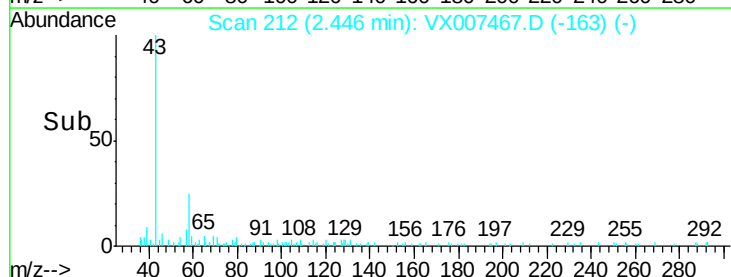
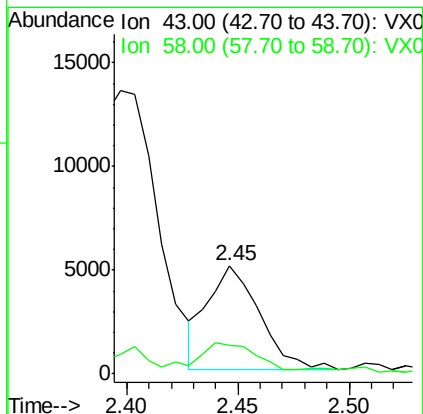
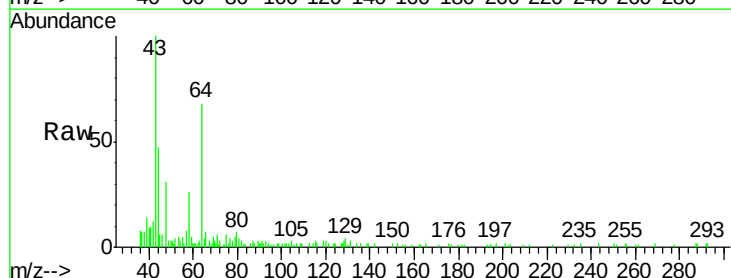
Acq: 11 Feb 2019 14:53

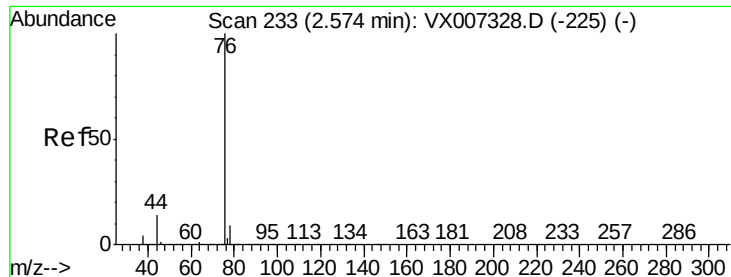
Tgt Ion: 43 Resp: 8070

Ion Ratio Lower Upper

43 100

58 22.7 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.340 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

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ClientSampleId :

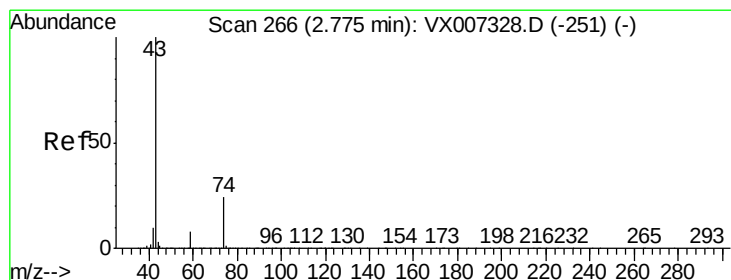
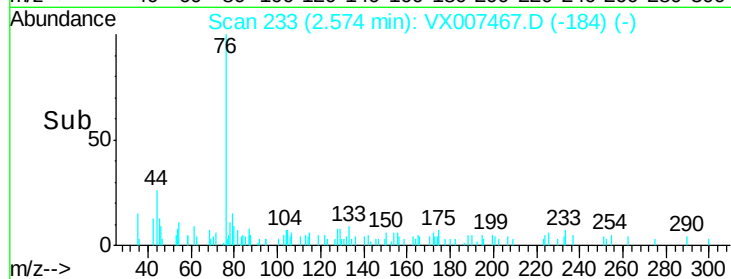
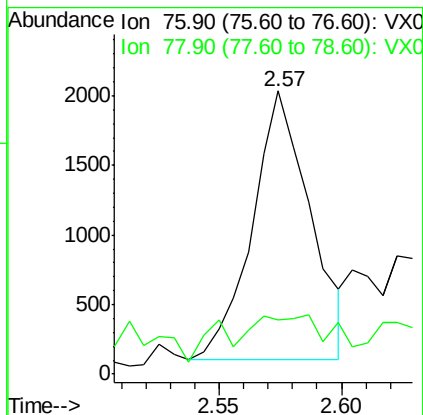
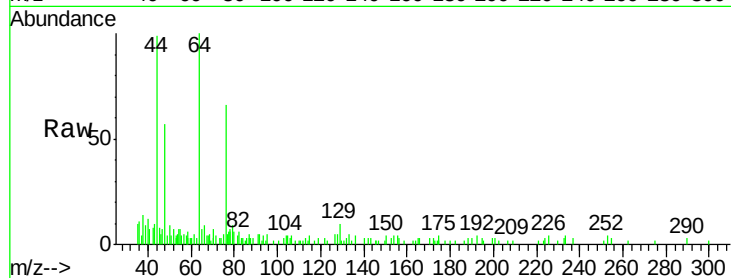
KY001MW022-190207

Tot Ion: 76 Resp: 3195

Ion Ratio Lower Upper

76 100

78 15.7 7.1 10.7#



#18

Methyl Acetate

Concen: 42.705 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX007467.D

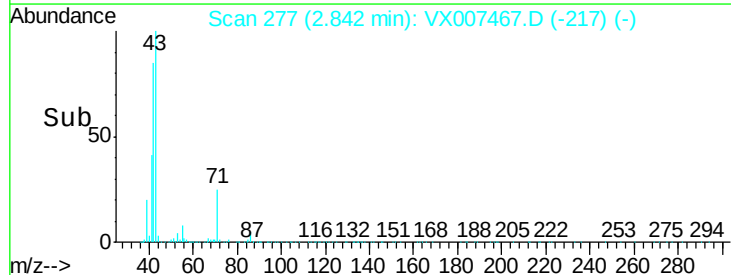
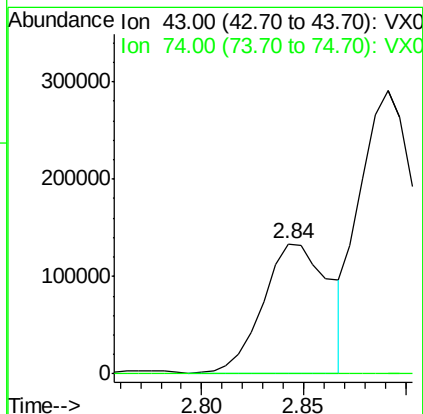
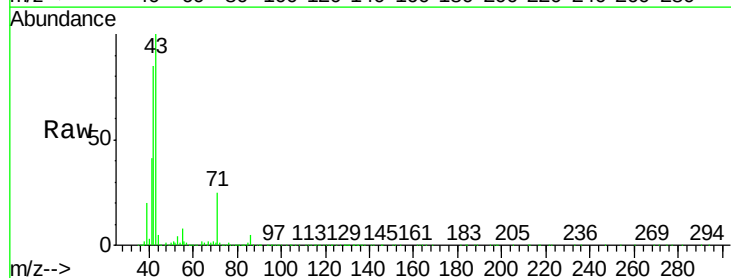
Acq: 11 Feb 2019 14:53

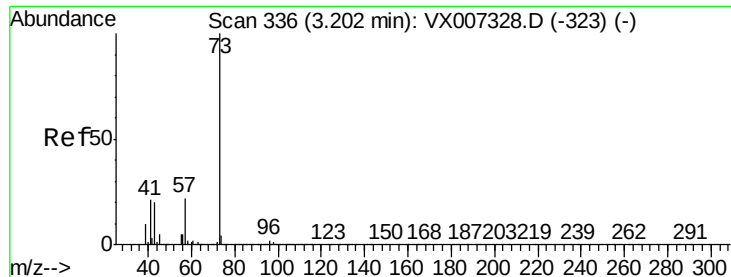
Tgt Ion: 43 Resp: 301808

Ion Ratio Lower Upper

43 100

74 0.1 19.4 29.2#

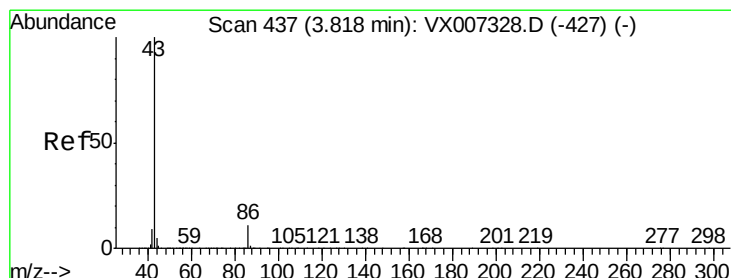
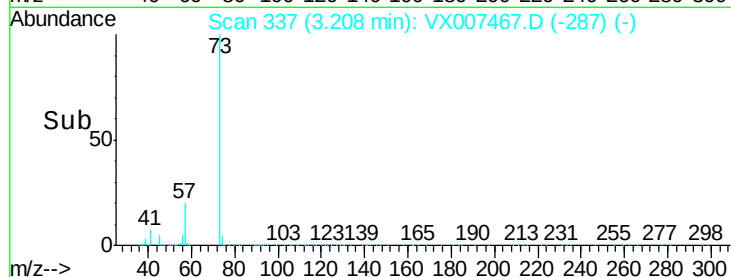
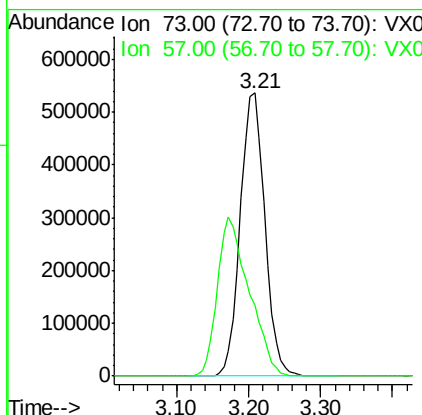
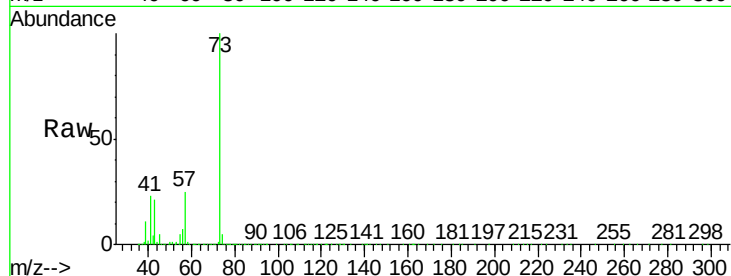




#19
Methyl tert-butyl Ether
Concen: 73.526 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

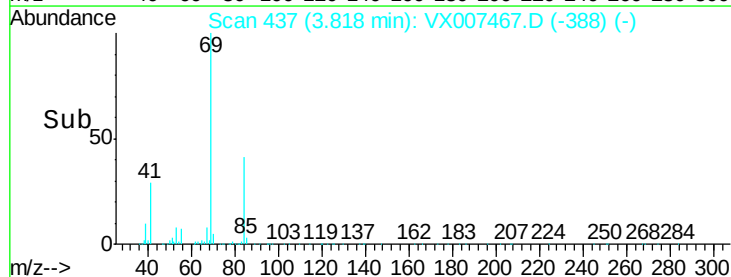
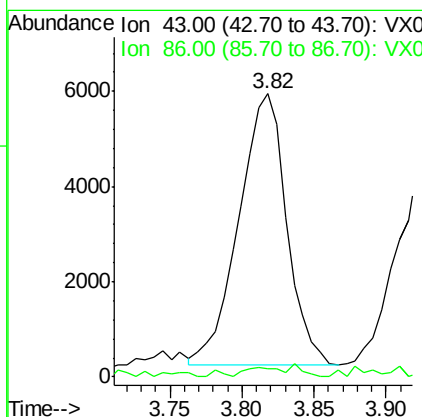
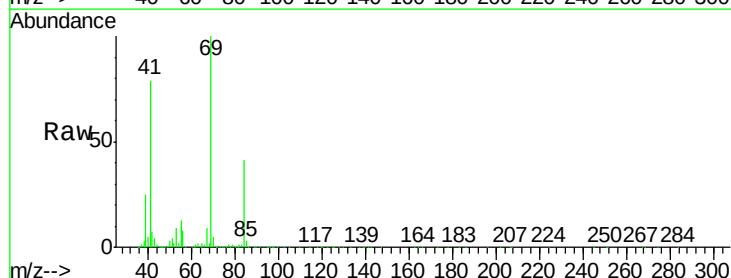
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

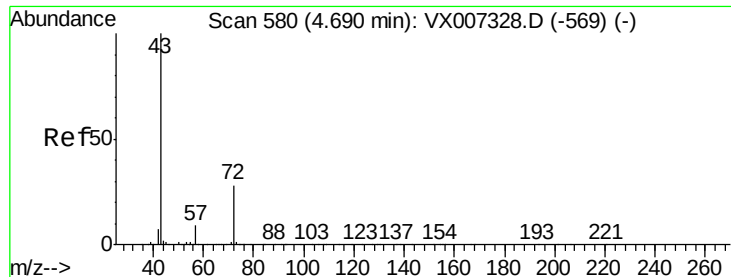
Tot Ion: 73 Resp: 1271407
Ion Ratio Lower Upper
73 100
57 25.2 17.8 26.8



#23
Vinyl Acetate
Concen: 0.980 ug/l
RT: 3.82 min Scan# 437
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion: 43 Resp: 13009
Ion Ratio Lower Upper
43 100
86 1.1 8.7 13.1#





#25

2-Butanone

Concen: 0.464 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

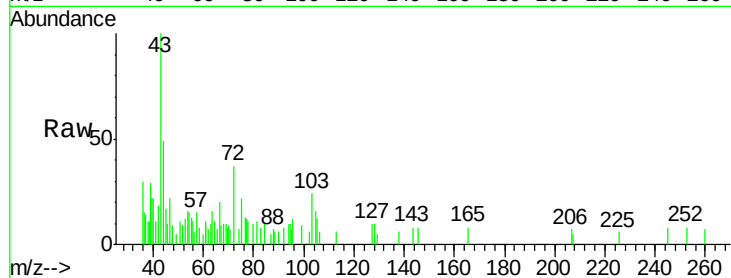
KY001MW022-190207

Tot Ion: 43 Resp: 1794

Ion Ratio Lower Upper

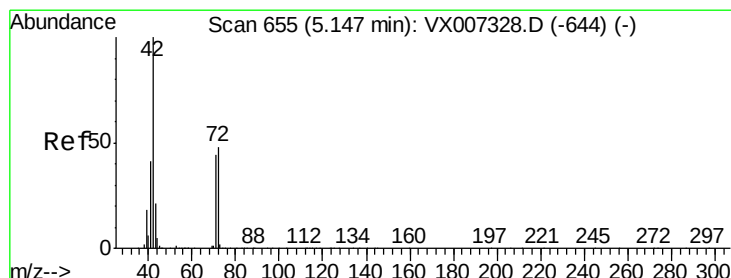
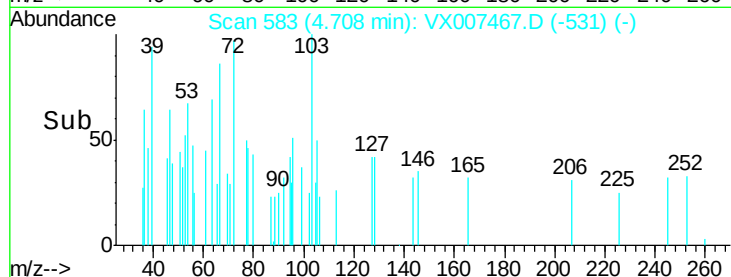
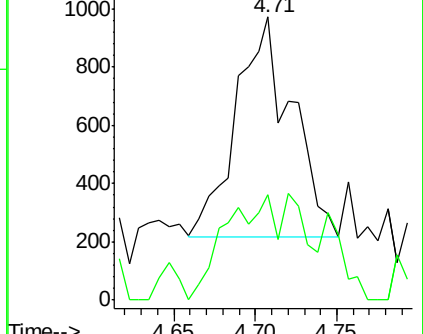
43 100

72 48.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 3.821 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

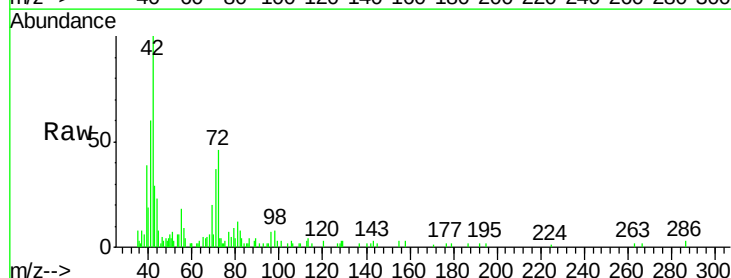
Tgt Ion: 42 Resp: 9296

Ion Ratio Lower Upper

42 100

72 57.0 37.6 56.4#

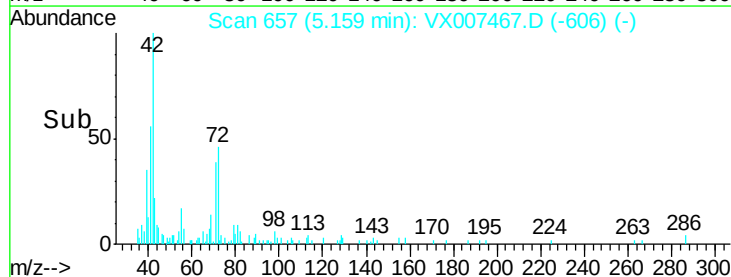
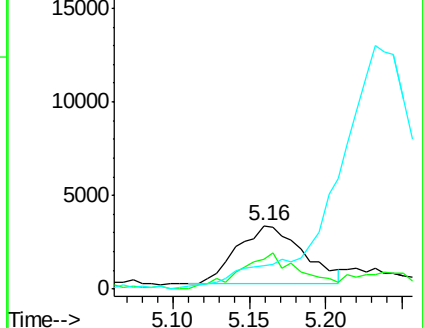
71 0.0 34.6 51.8#

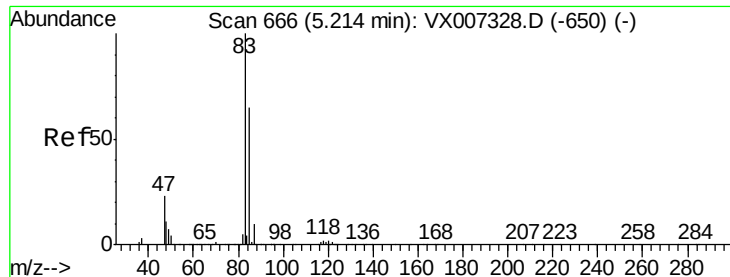


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 4.361 ug/l

RT: 5.28 min Scan# 677

Delta R.T. 0.07 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

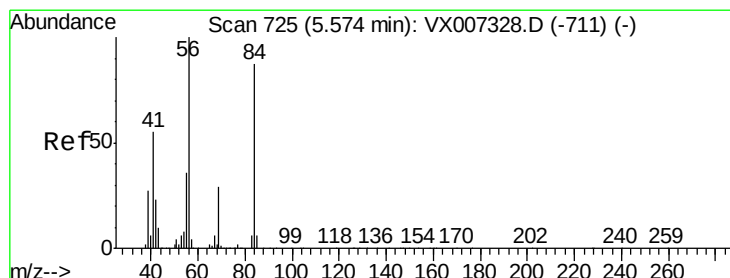
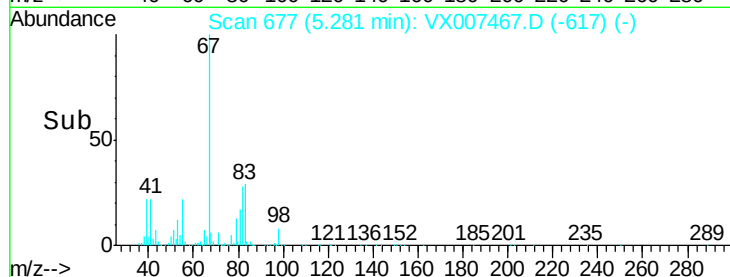
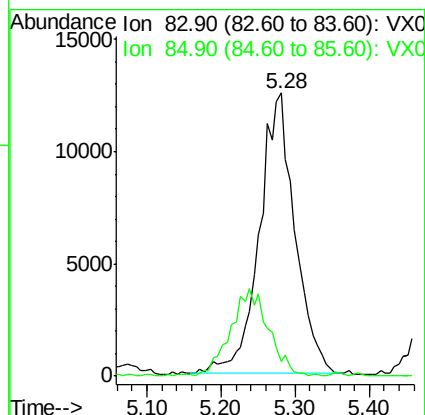
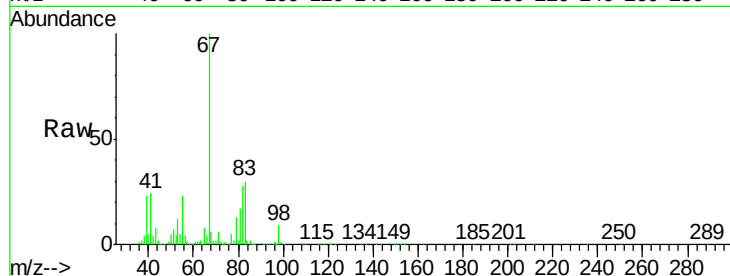
KY001MW022-190207

Tot Ion: 83 Resp: 41802

Ion Ratio Lower Upper

83 100

85 4.2 51.6 77.4#



#31

Cyclohexane

Concen: 78.724 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

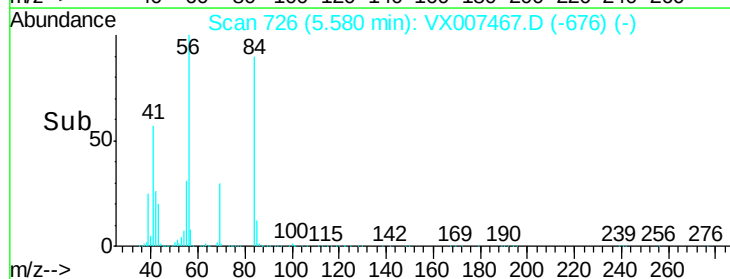
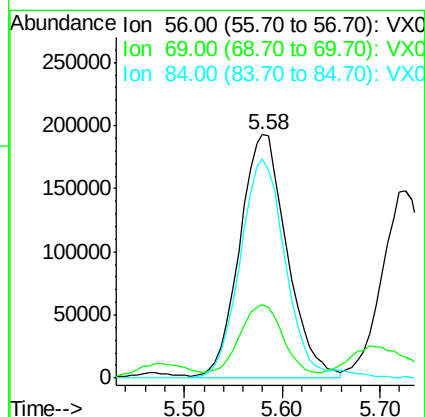
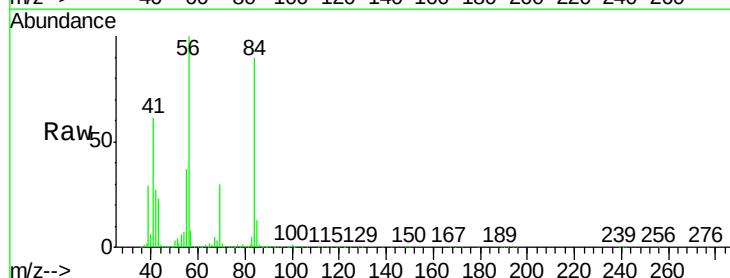
Tgt Ion: 56 Resp: 649555

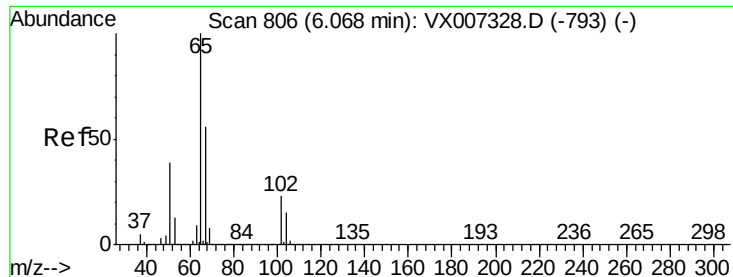
Ion Ratio Lower Upper

56 100

69 27.4 23.0 34.6

84 90.8 69.8 104.6





#33

1,2-Dichloroethane-d4

Concen: 47.604 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

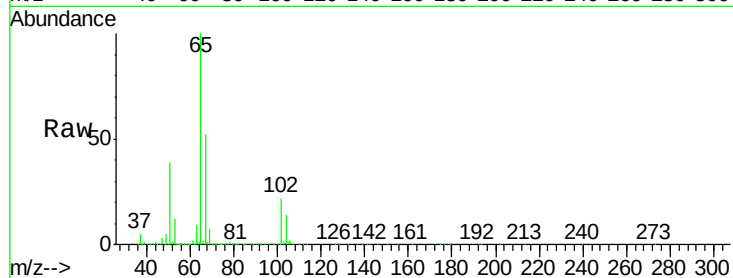
KY001MW022-190207

Tot Ion: 65 Resp: 282460

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

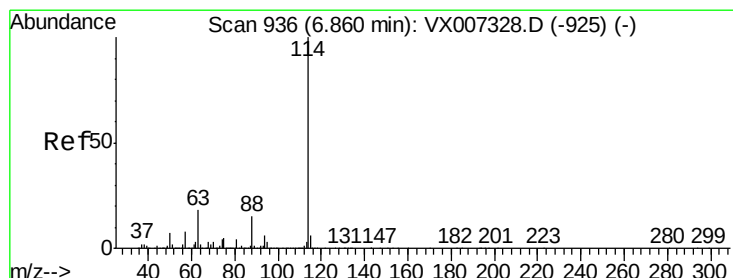
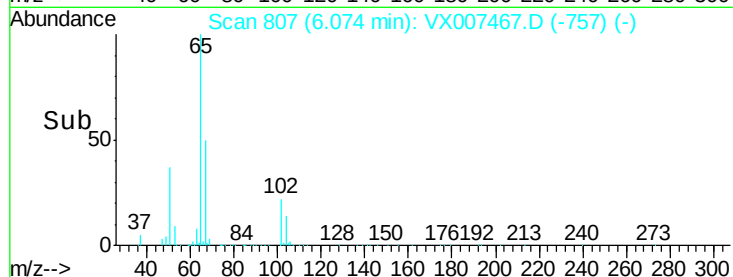
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

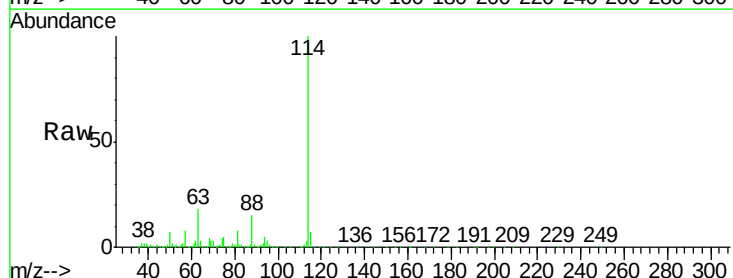
Tgt Ion: 114 Resp: 845140

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.5 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

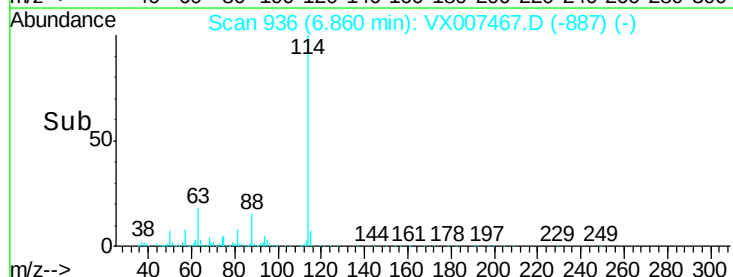
300000

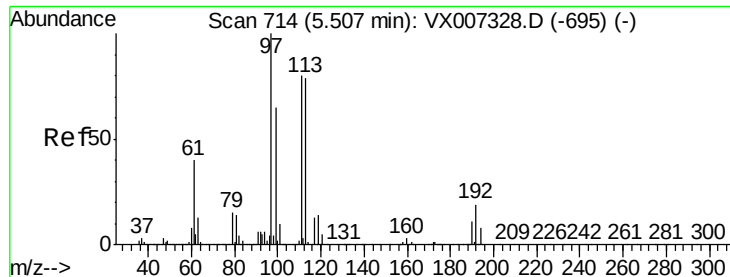
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.173 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

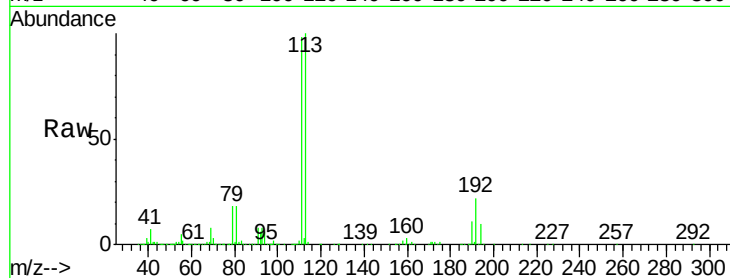
Tot Ion:113 Resp: 264902

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.8

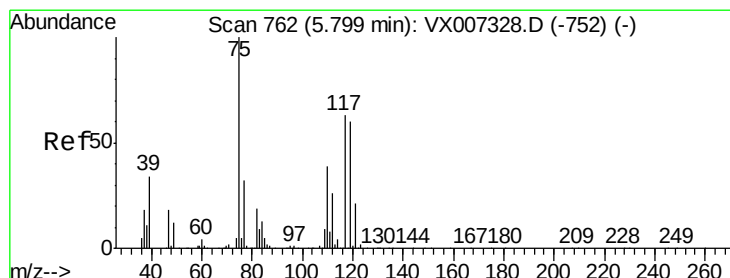
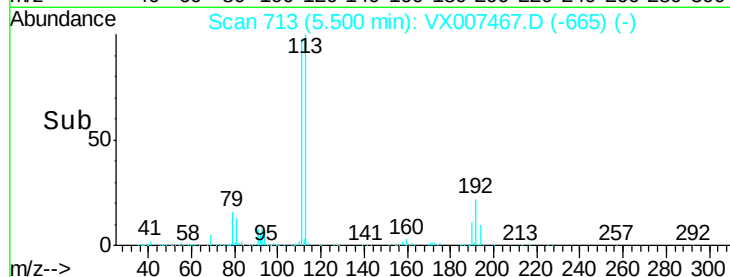
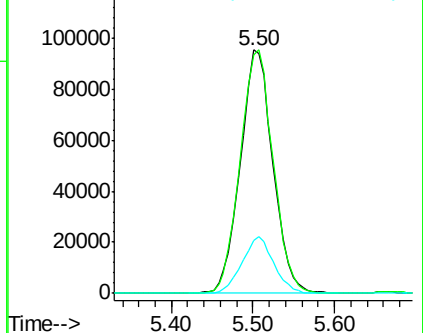
192 22.8 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.568 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

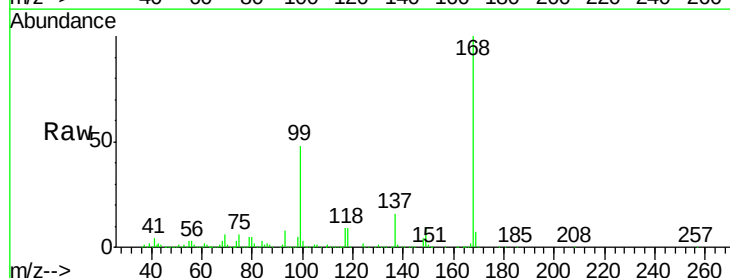
Tgt Ion: 75 Resp: 34642

Ion Ratio Lower Upper

75 100

110 10.6 20.0 59.9#

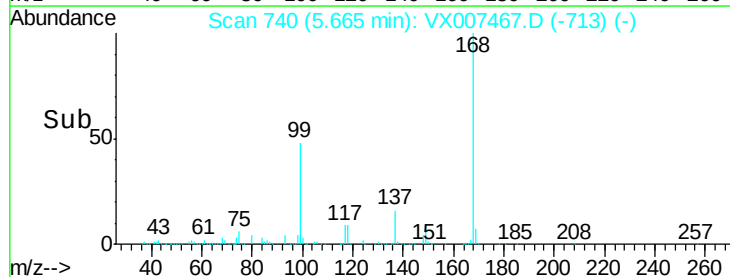
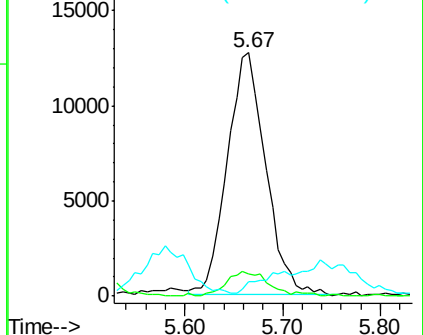
77 0.0 24.7 37.1#

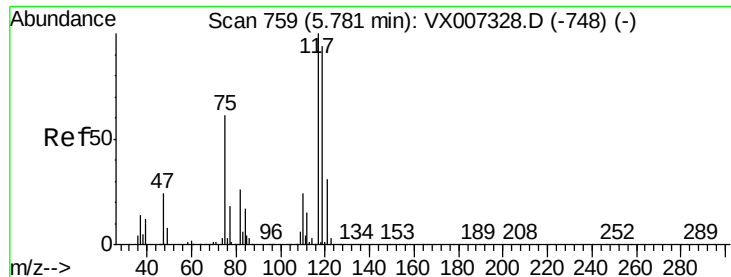


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.679 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

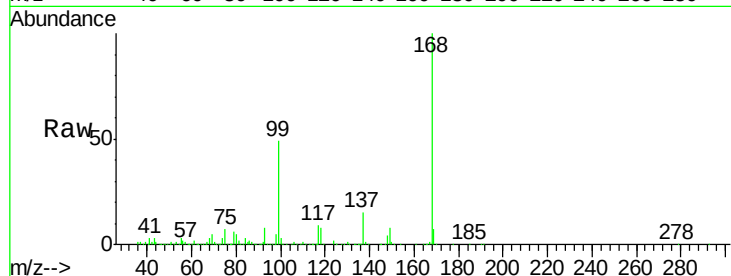
Tot Ion:117 Resp: 49132

Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

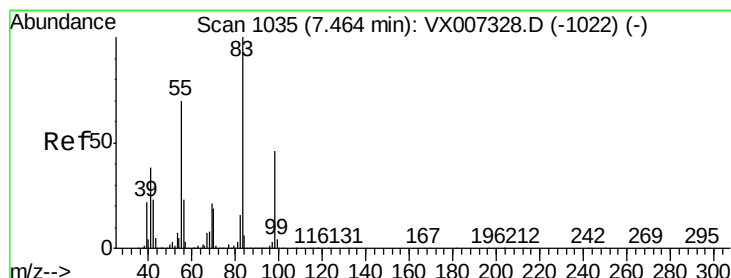
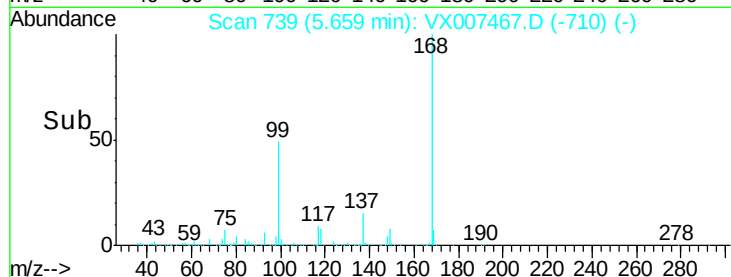
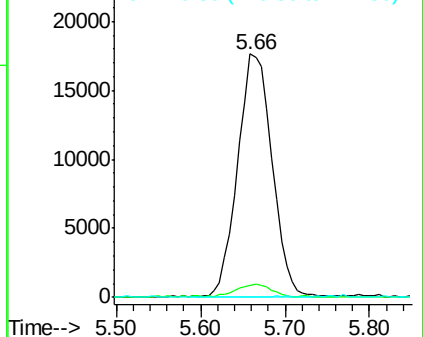
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 74.127 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

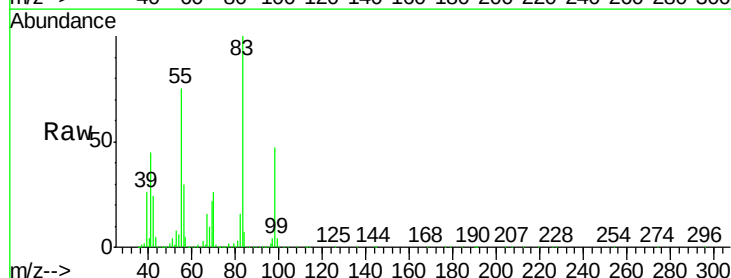
Tgt Ion: 83 Resp: 680084

Ion Ratio Lower Upper

83 100

55 74.9 56.2 84.2

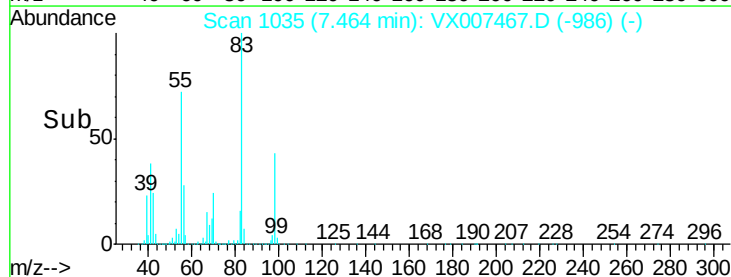
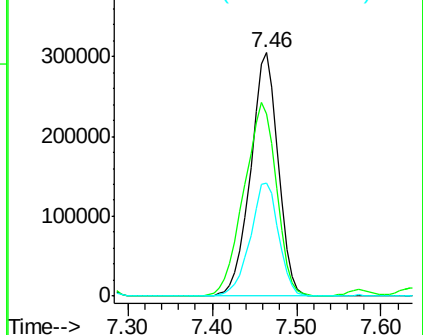
98 46.6 36.8 55.2

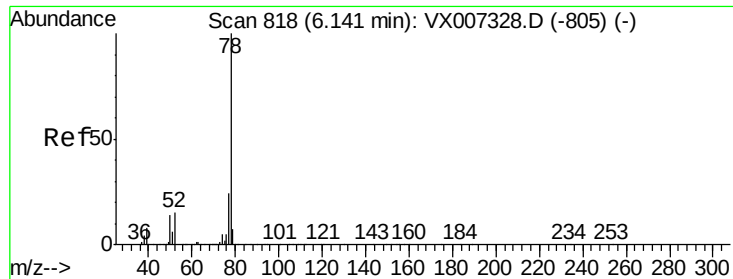


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 441.457 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

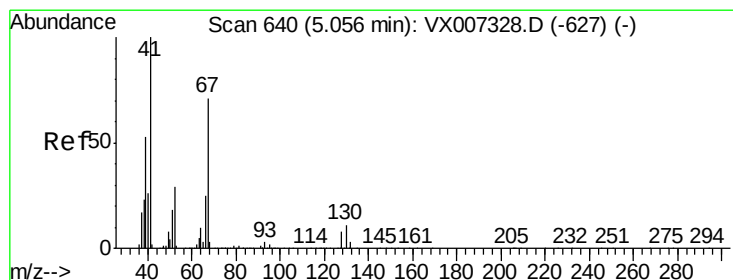
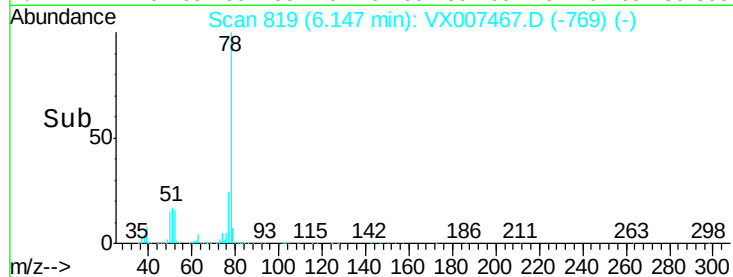
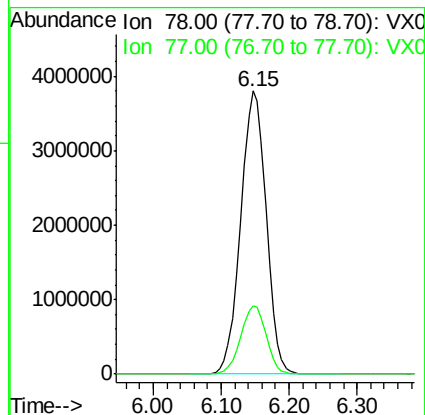
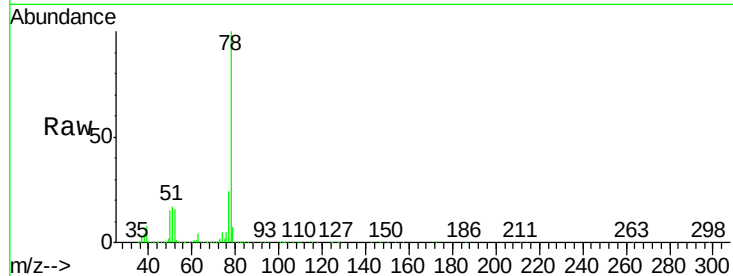
KY001MW022-190207

Tot Ion: 78 Resp: 9860830

Ion Ratio Lower Upper

78 100

77 24.3 19.3 28.9



#41

Methacrylonitrile

Concen: 1.483 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Tgt Ion: 41 Resp: 6093

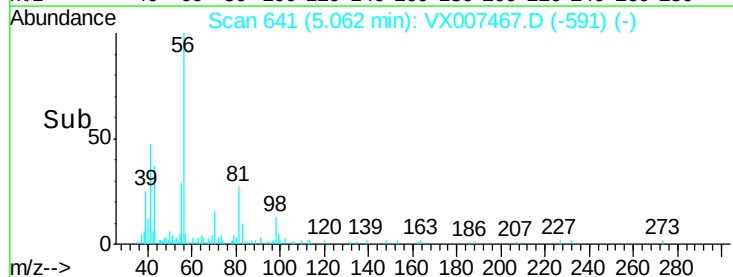
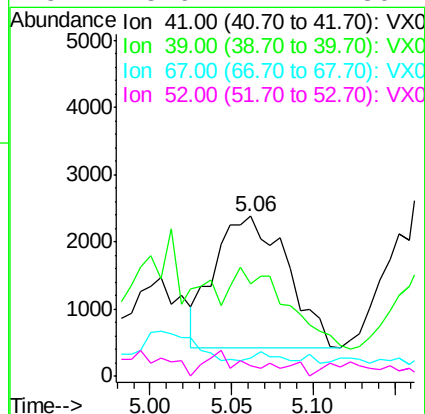
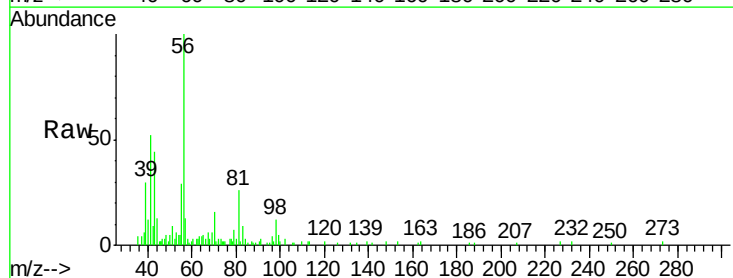
Ion Ratio Lower Upper

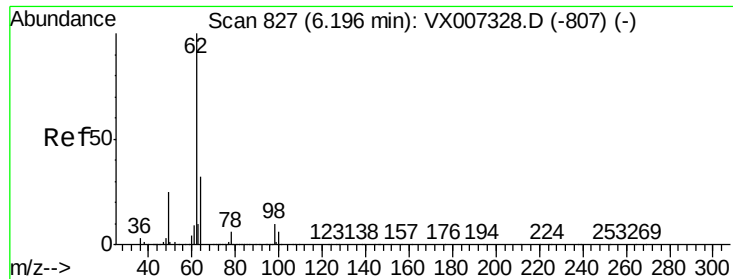
41 100

39 48.0 44.5 66.7

67 0.0 60.4 90.6#

52 8.6 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 10.807 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.05 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

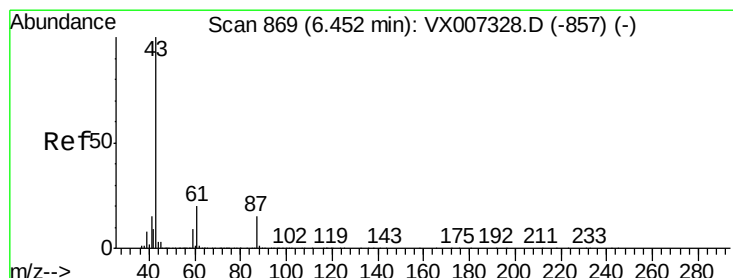
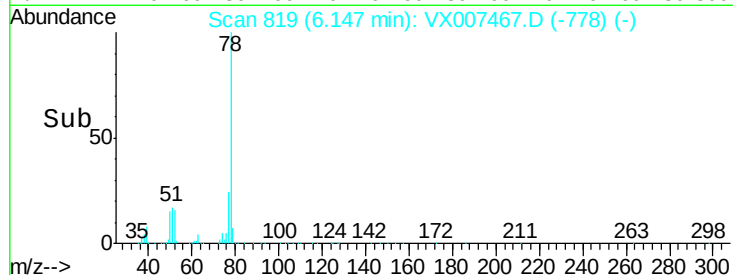
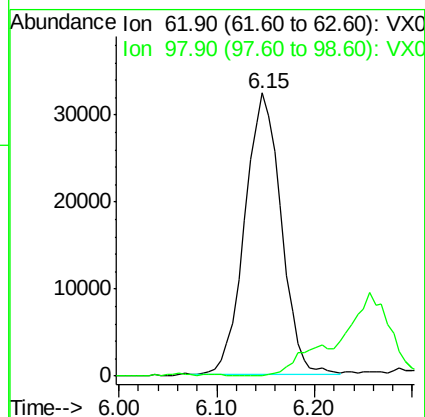
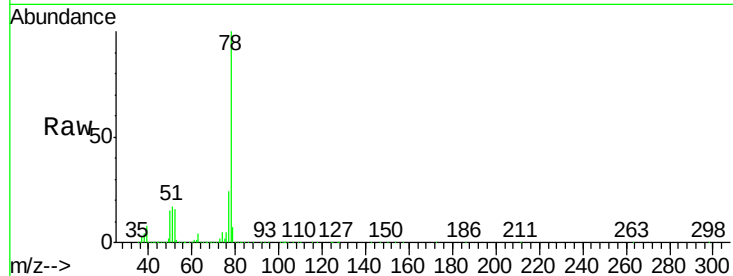
KY001MW022-190207

Tot Ion: 62 Resp: 83523

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.0



#43

Isopropyl Acetate

Concen: 3.444 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

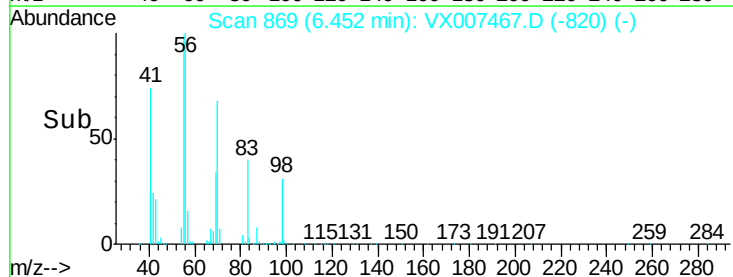
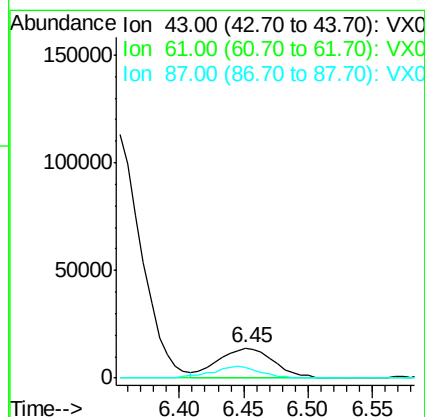
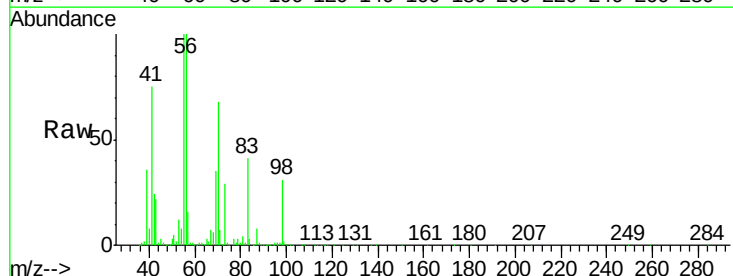
Tgt Ion: 43 Resp: 40743

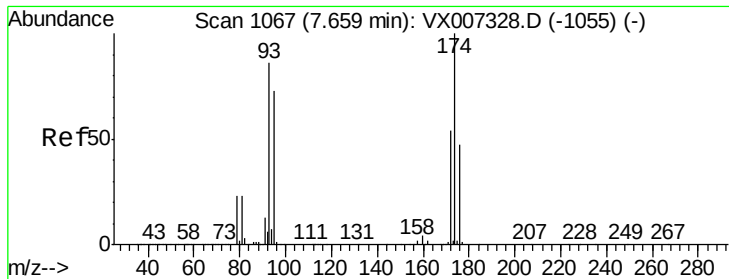
Ion Ratio Lower Upper

43 100

61 0.0 16.1 24.1#

87 36.0 11.5 17.3#





#46

Dibromomethane

Concen: 0.392 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

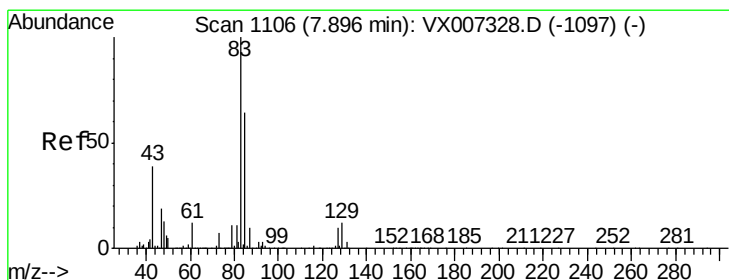
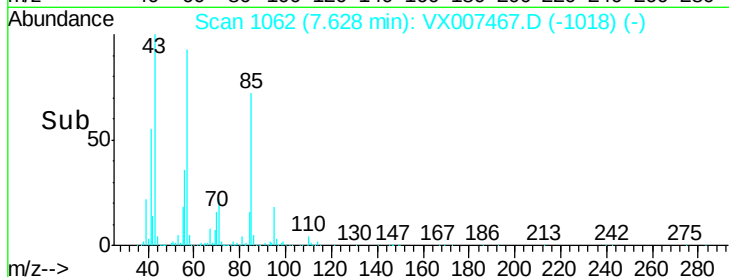
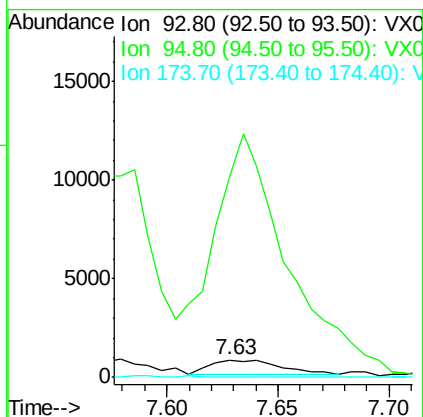
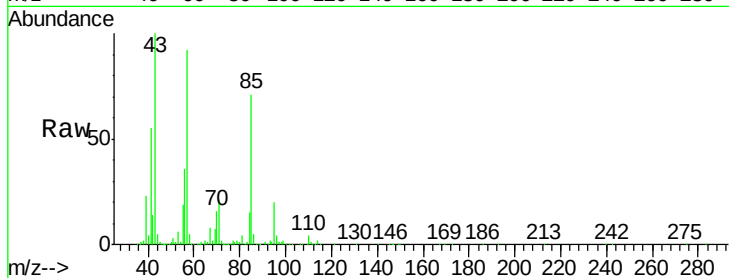
Tot Ion: 93 Resp: 1594

Ion Ratio Lower Upper

93 100

95 1821.1 67.6 101.4#

174 0.0 94.2 141.4#



#47

Bromodichloromethane

Concen: 1.014 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

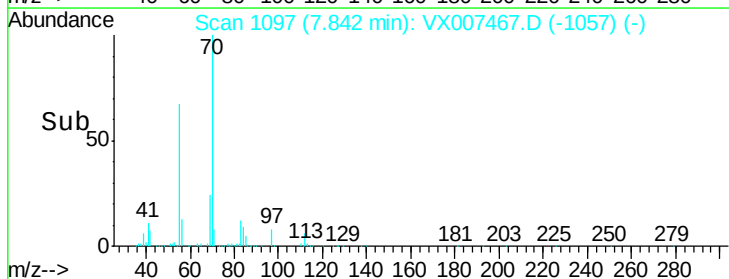
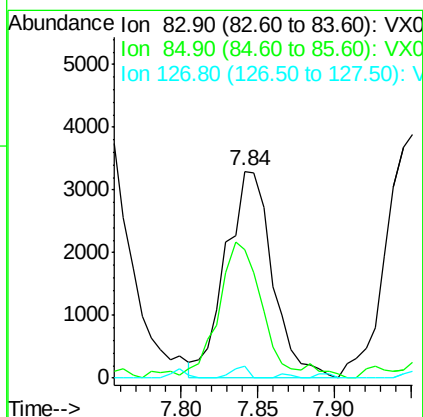
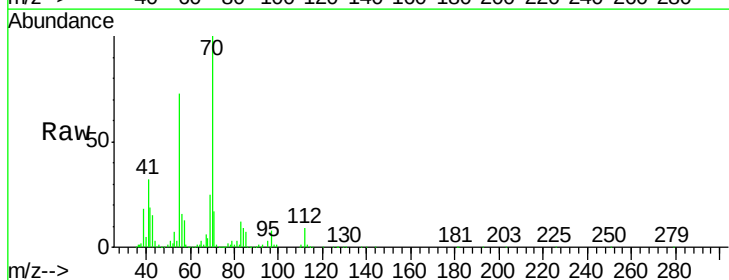
Tgt Ion: 83 Resp: 6993

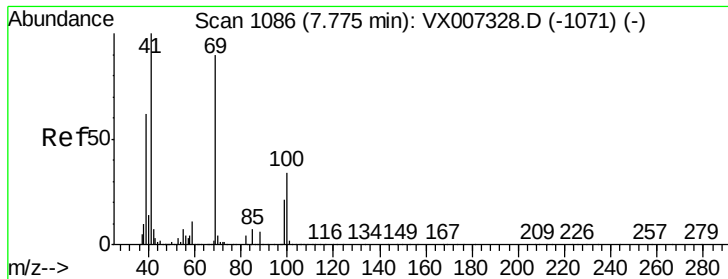
Ion Ratio Lower Upper

83 100

85 60.2 51.4 77.0

127 5.7 8.1 12.1#

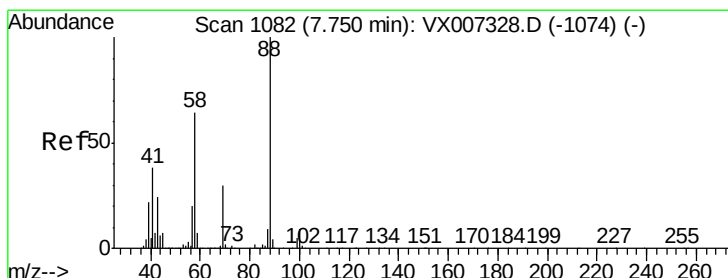
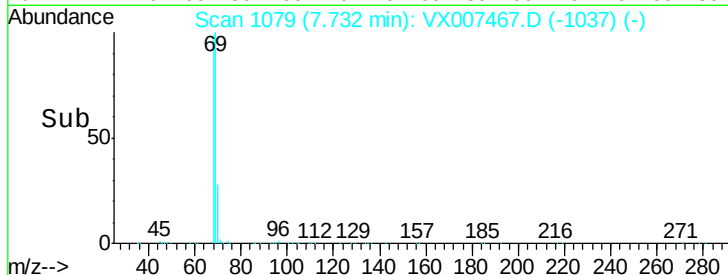
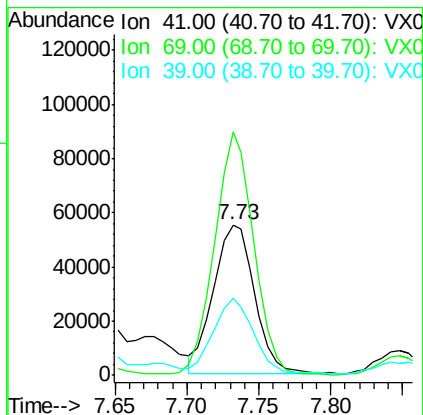
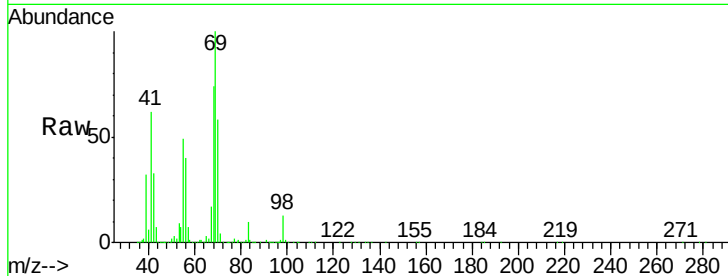




#48
Methvl methacrylate
Concen: 18.603 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

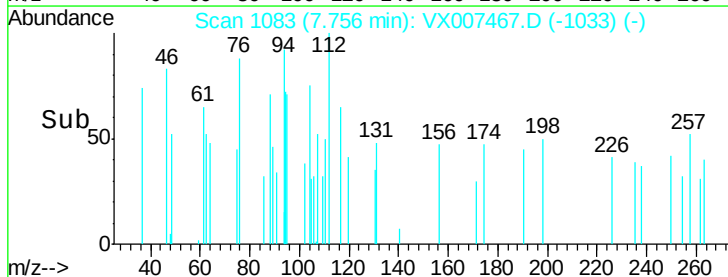
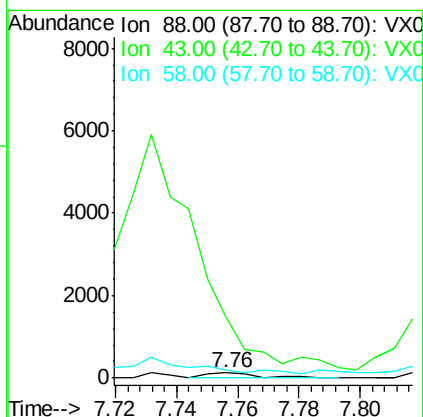
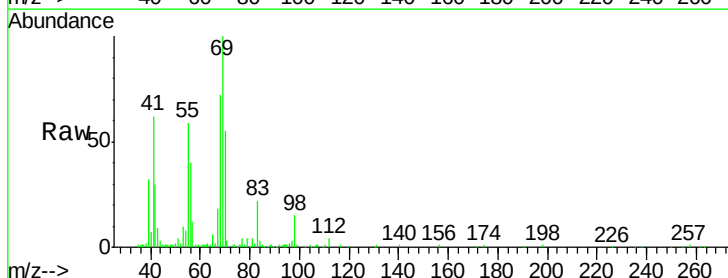
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

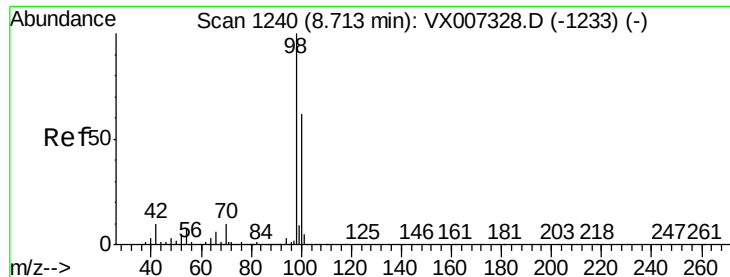
Tot Ion: 41 Resp: 110096
Ion Ratio Lower Upper
41 100
69 154.1 70.2 105.4#
39 49.3 47.4 71.0



#49
1,4-Dioxane
Concen: 8.052 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion: 88 Resp: 159
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 0.0 53.0 79.4#





#50

Toluene-d8

Concen: 50.888 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

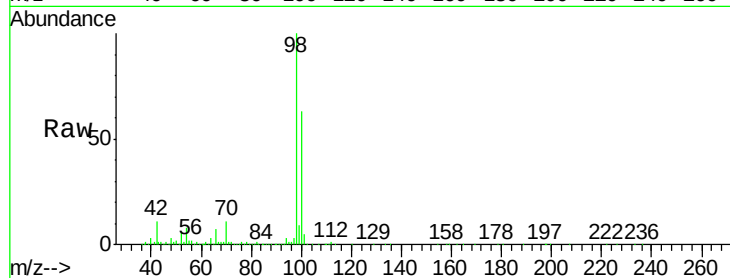
KY001MW022-190207

Tot Ion: 98 Resp: 1038224

Ion Ratio Lower Upper

98 100

100 62.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

600000

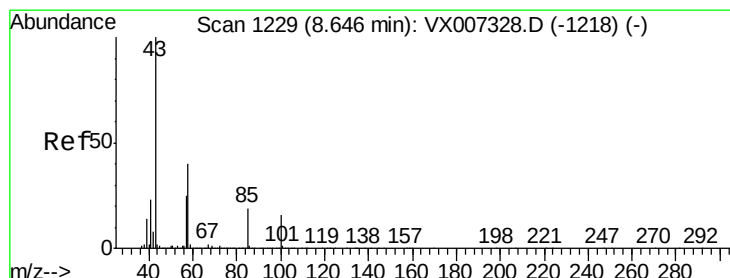
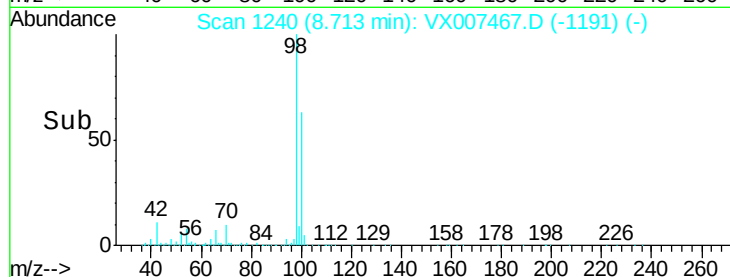
400000

200000

0

Time-->

8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 3.024 ug/l

RT: 8.68 min Scan# 1234

Delta R.T. 0.03 min

Lab File: VX007467.D

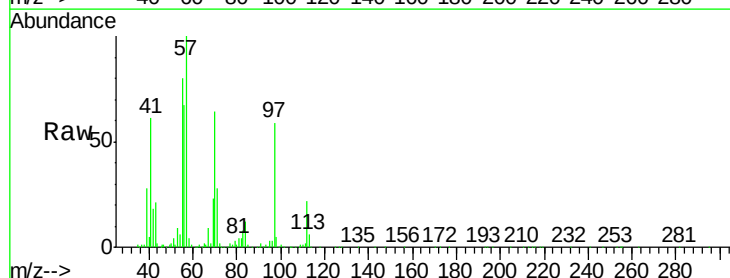
Acq: 11 Feb 2019 14:53

Tgt Ion: 43 Resp: 23551

Ion Ratio Lower Upper

43 100

58 14.1 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.68

10000

8000

6000

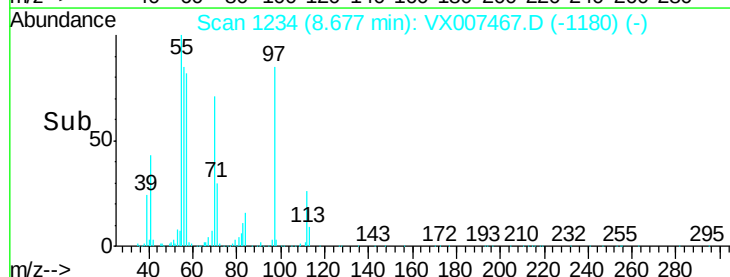
4000

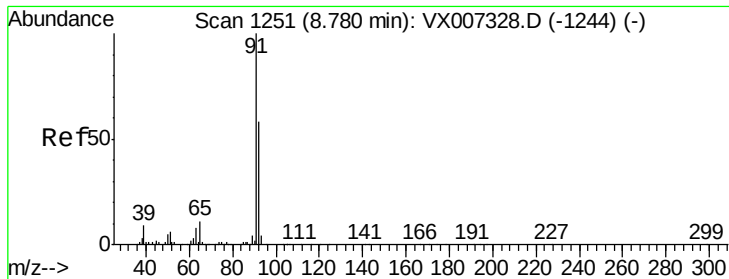
2000

0

Time-->

8.60 8.65 8.70 8.75





#52

Toluene

Concen: 13.911 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

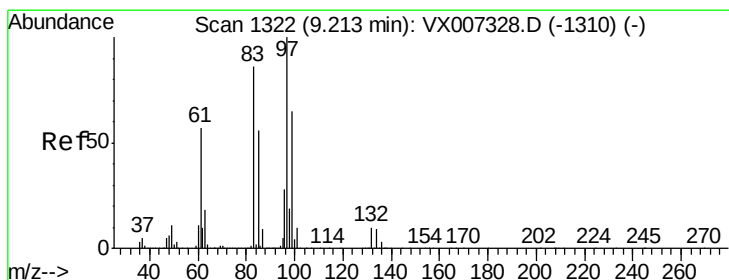
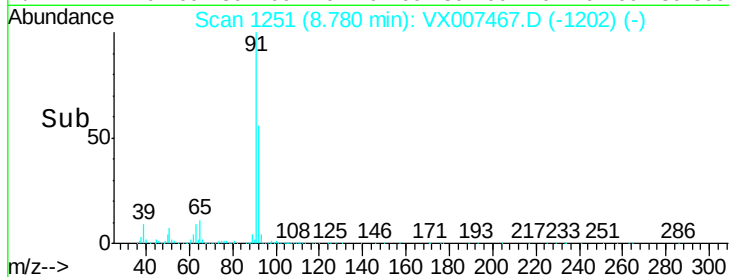
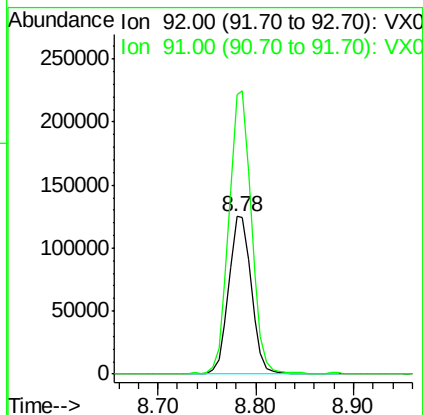
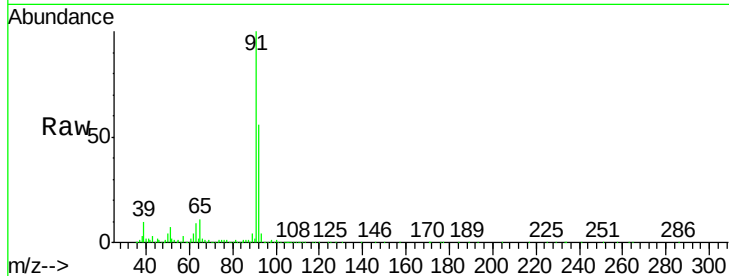
KY001MW022-190207

Tot Ion: 92 Resp: 200473

Ion Ratio Lower Upper

92 100

91 178.2 139.1 208.7



#55

1,1,2-Trichloroethane

Concen: 14.445 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Tgt Ion: 97 Resp: 86775

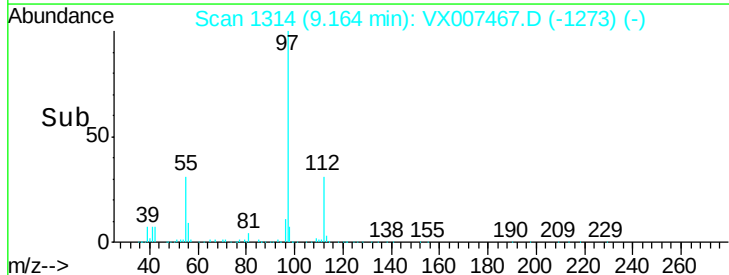
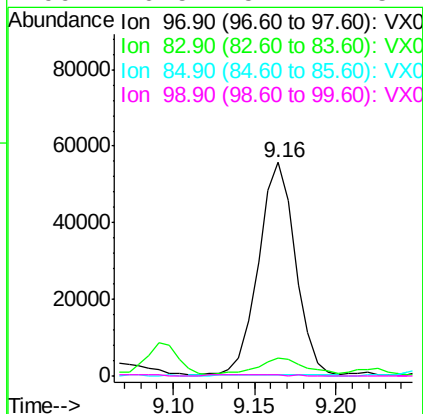
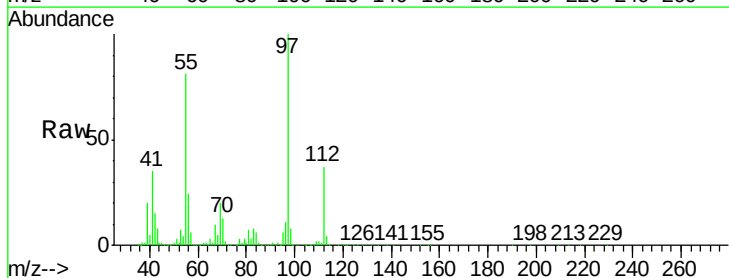
Ion Ratio Lower Upper

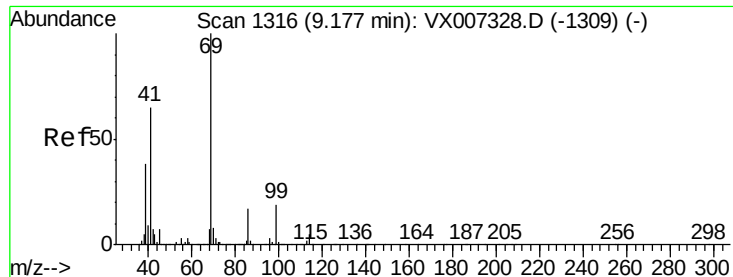
97 100

83 7.1 68.6 102.8#

85 0.3 44.5 66.7#

99 0.5 52.2 78.4#





#56

Ethyl methacrylate

Concen: 2.739 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

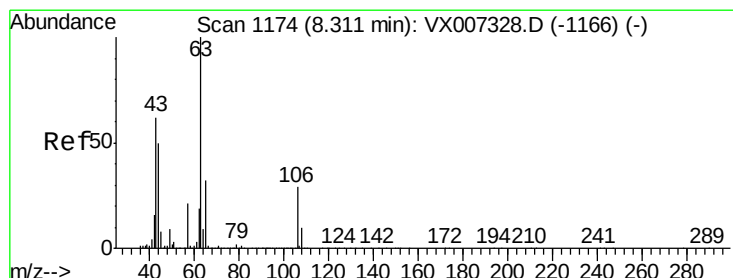
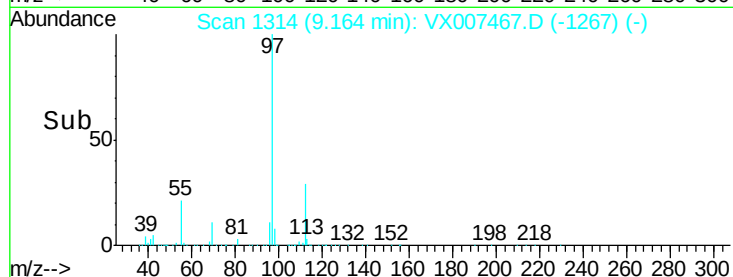
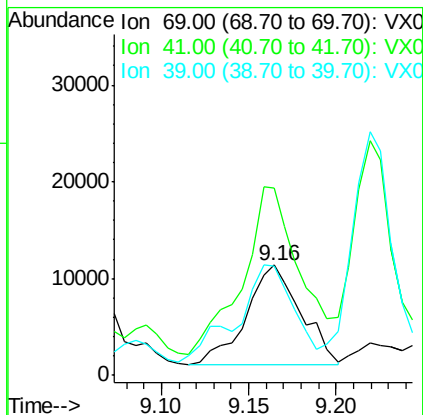
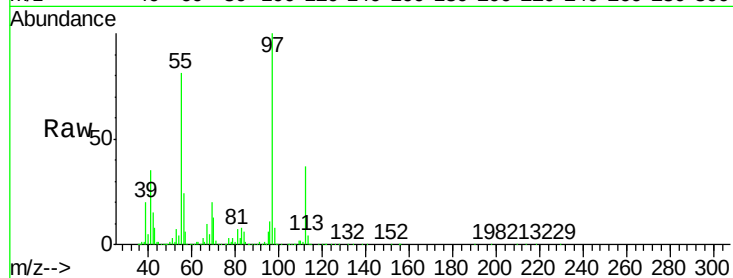
Tot Ion: 69 Resp: 22790

Ion Ratio Lower Upper

69 100

41 168.7 52.1 78.1#

39 98.7 30.1 45.1#



#58

2-Chloroethyl Vinyl ether

Concen: 0.671 ug/l

RT: 8.27 min Scan# 1167

Delta R.T. -0.04 min

Lab File: VX007467.D

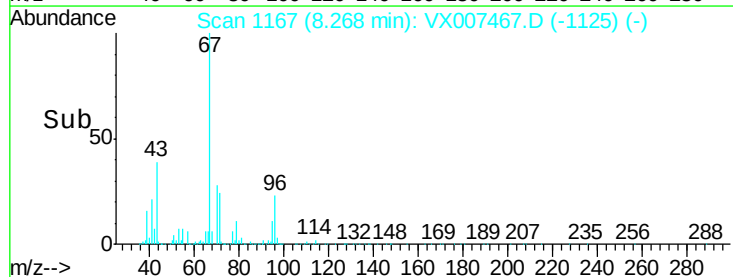
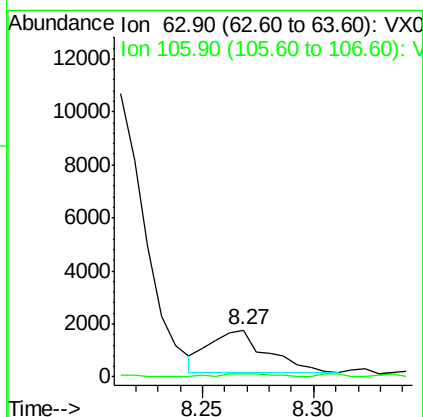
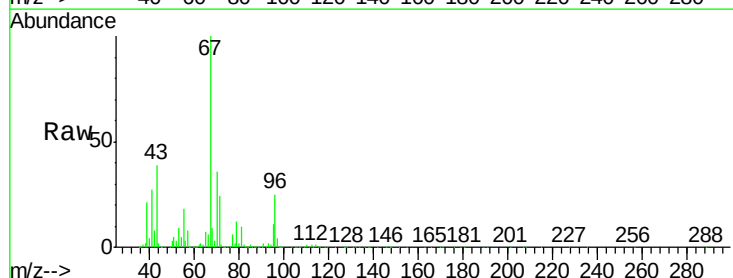
Acq: 11 Feb 2019 14:53

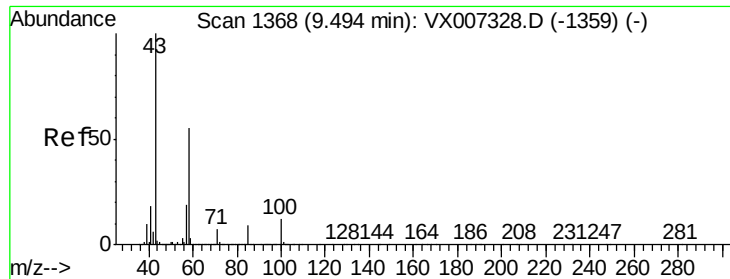
Tgt Ion: 63 Resp: 2944

Ion Ratio Lower Upper

63 100

106 7.0 23.6 35.4#

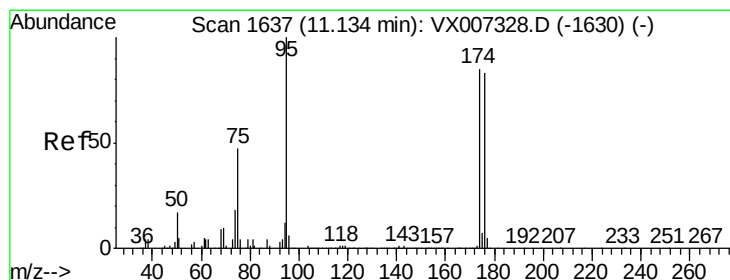
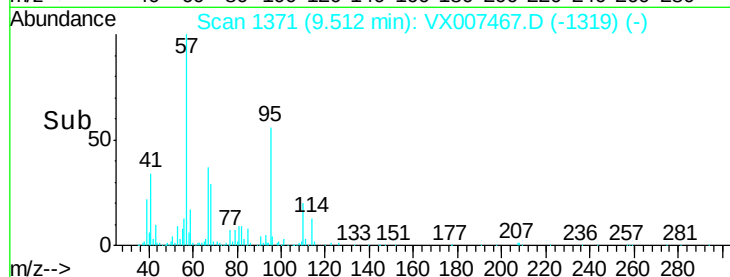
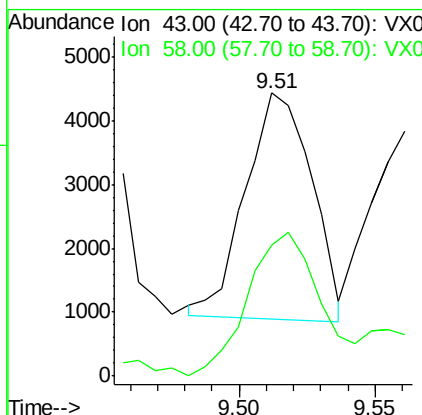
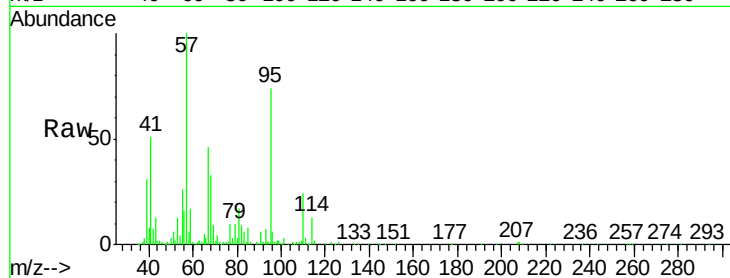




#59
2-Hexanone
Concen: 0.983 ug/l
RT: 9.51 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

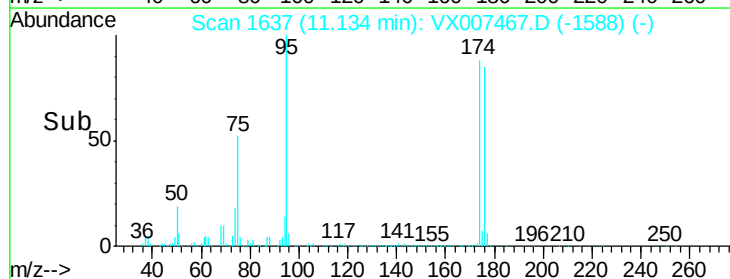
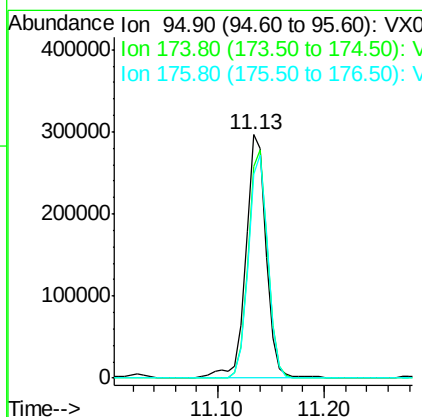
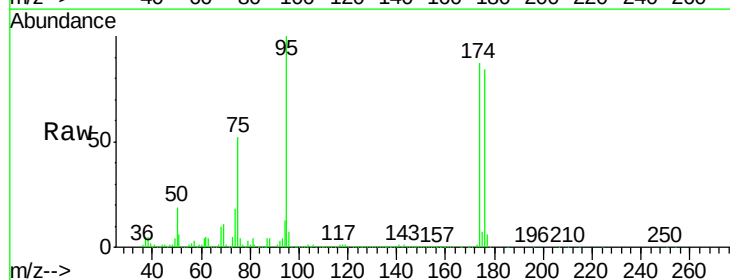
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

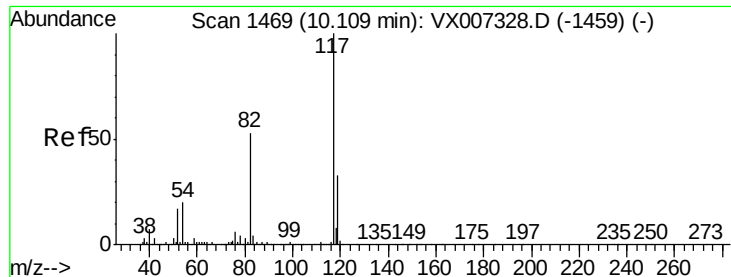
Tot Ion: 43 Resp: 5957
Ion Ratio Lower Upper
43 100
58 69.8 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 52.830 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion: 95 Resp: 393528
Ion Ratio Lower Upper
95 100
174 90.4 0.0 189.2
176 88.5 0.0 186.2

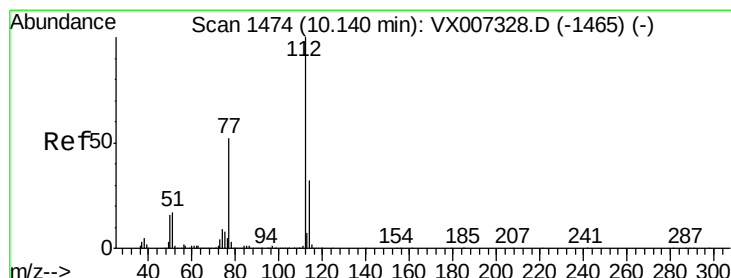
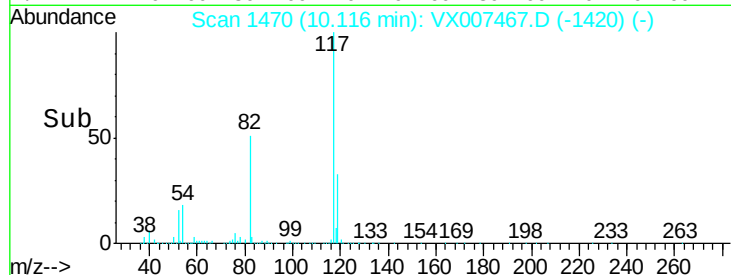
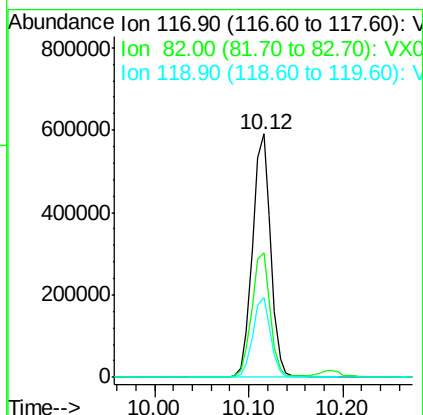
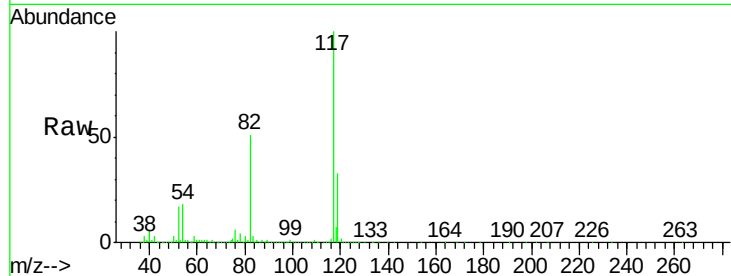




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

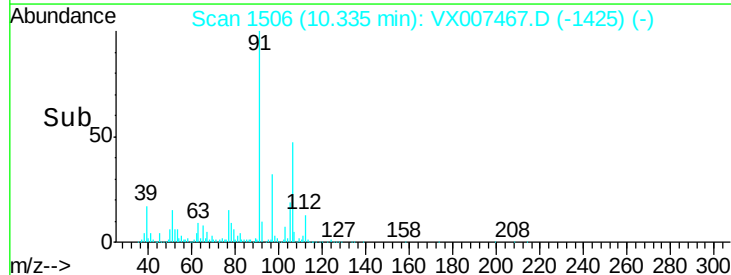
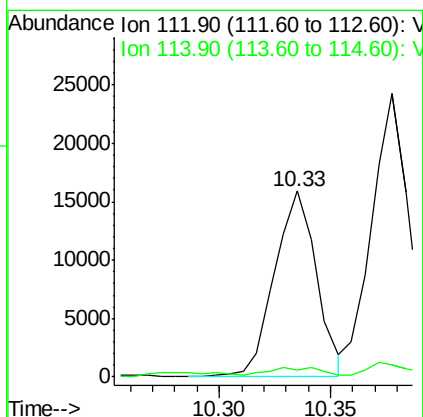
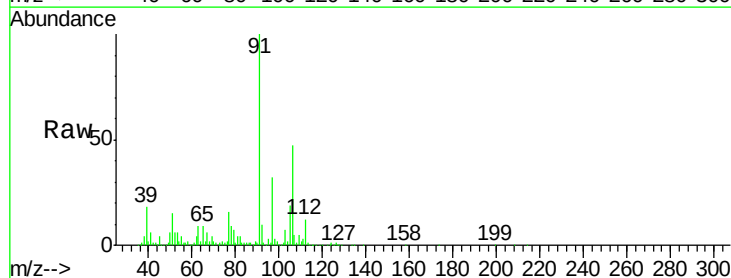
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

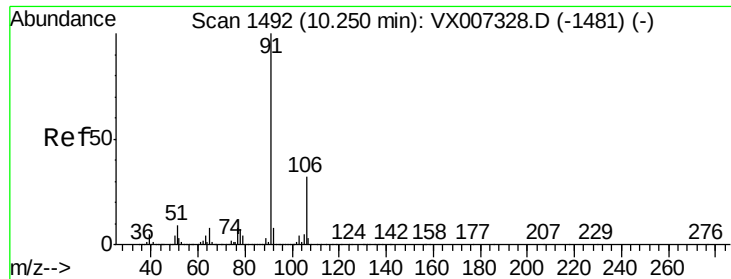
Tot Ion:117 Resp: 803065
Ion Ratio Lower Upper
117 100
82 51.0 42.1 63.1
119 32.6 26.5 39.7



#65
Chlorobenzene
Concen: 1.190 ug/l
RT: 10.33 min Scan# 1506
Delta R.T. 0.20 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion:112 Resp: 20857
Ion Ratio Lower Upper
112 100
114 3.0 25.8 38.6#





#67

Ethyl Benzene

Concen: 618.005 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

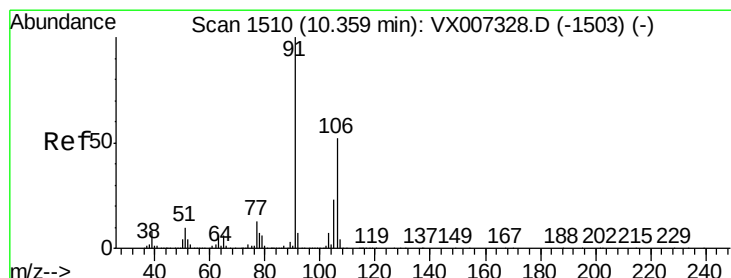
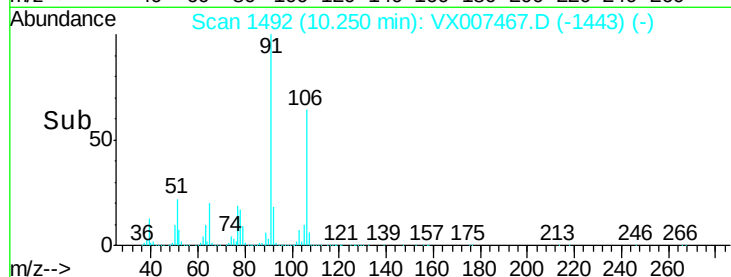
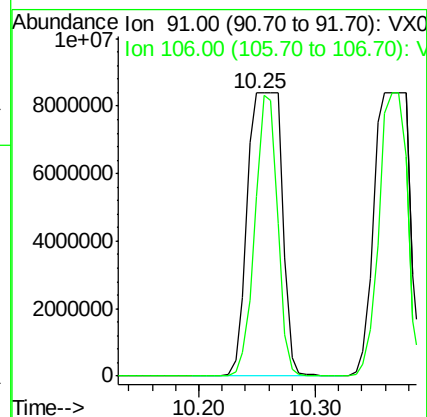
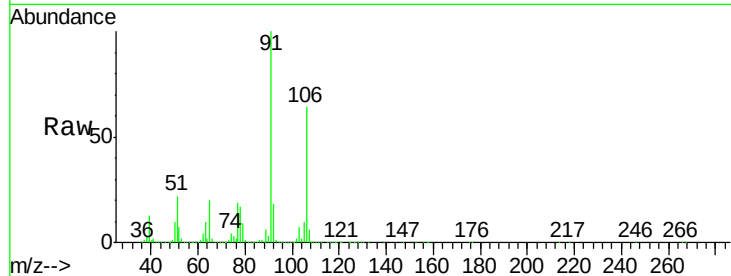
KY001MW022-190207

Tot Ion: 91 Resp:17440683

Ion Ratio Lower Upper

91 100

106 63.7 25.4 38.0#



#68

m/p-Xylenes

Concen: 1261.815 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX007467.D

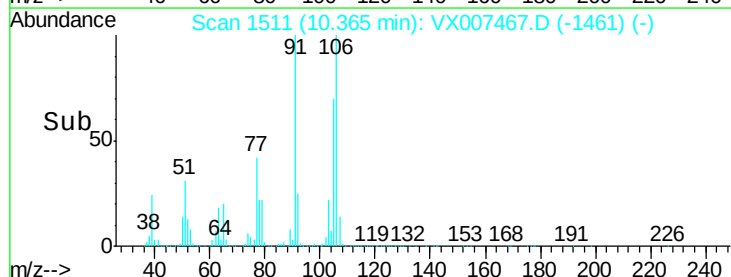
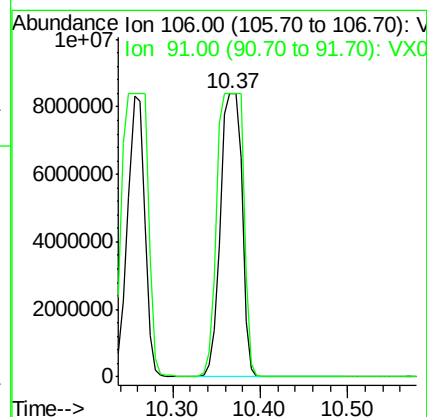
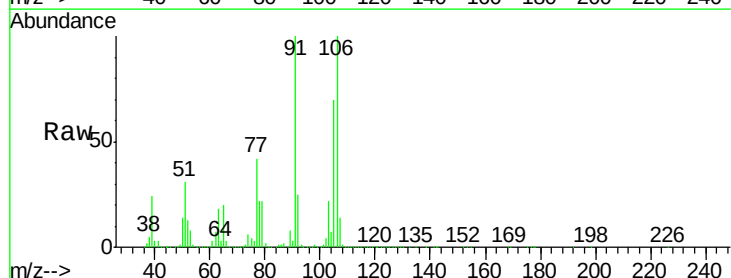
Acq: 11 Feb 2019 14:53

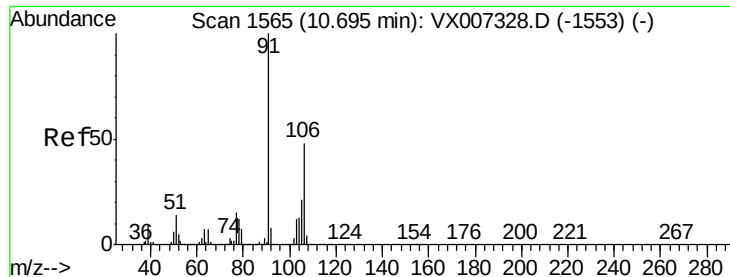
Tgt Ion:106 Resp:14155286

Ion Ratio Lower Upper

106 100

91 125.1 156.6 234.8#

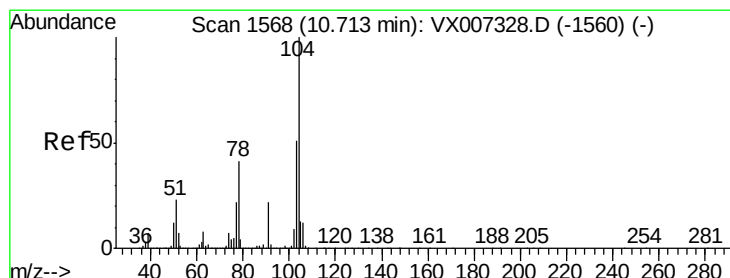
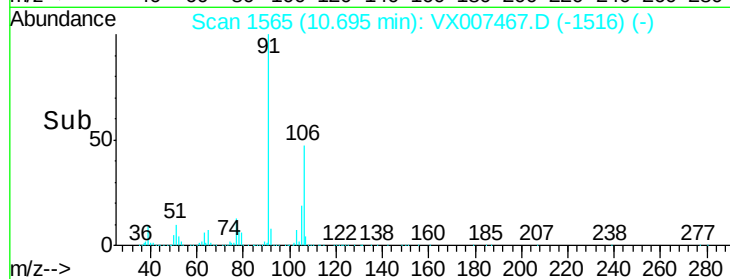
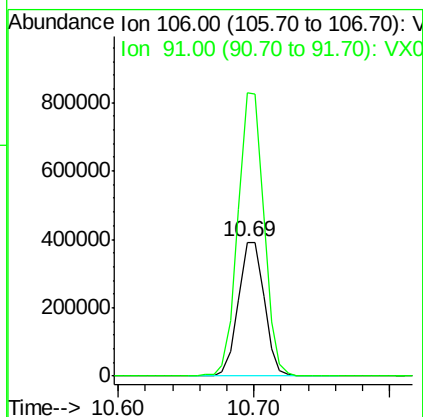
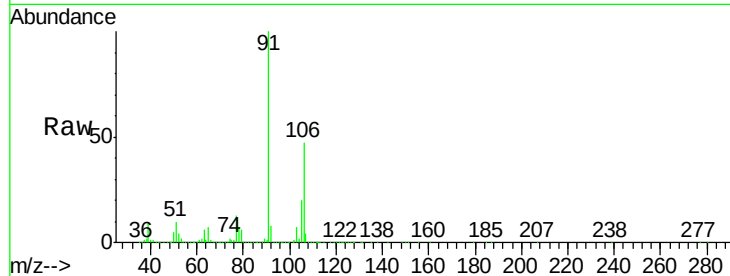




#69
o-Xylene
Concen: 48.284 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

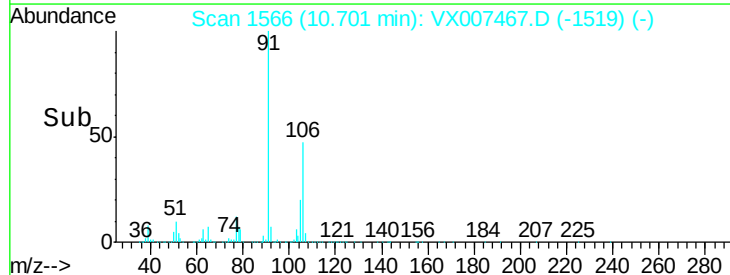
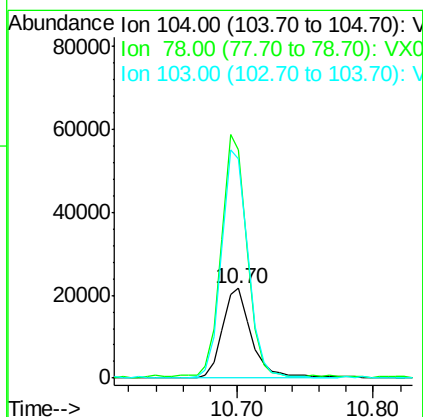
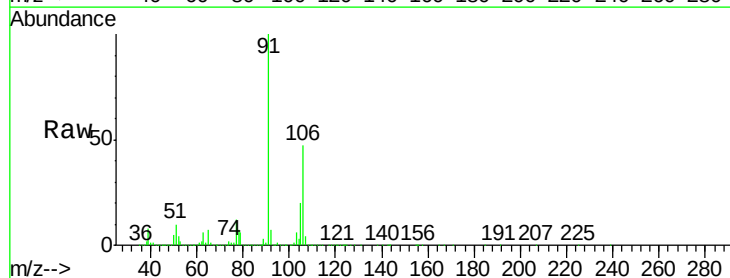
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

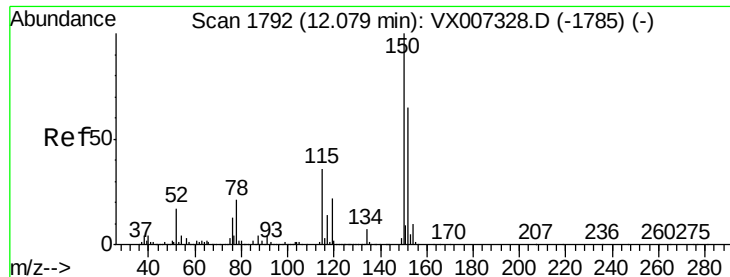
Tot Ion:106 Resp: 521216
Ion Ratio Lower Upper
106 100
91 211.6 102.9 308.7



#70
Styrene
Concen: 1.815 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion:104 Resp: 31774
Ion Ratio Lower Upper
104 100
78 239.9 38.3 57.5#
103 233.2 44.6 67.0#



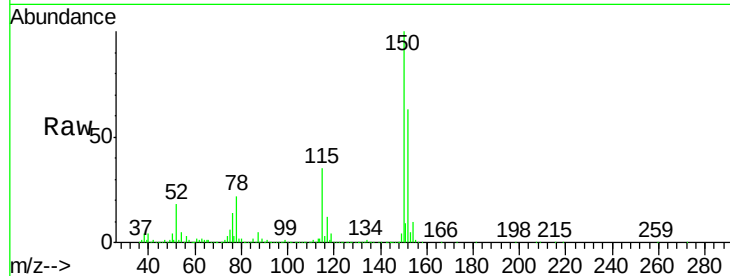


#72

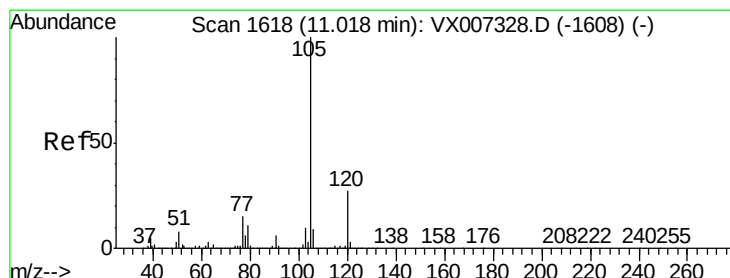
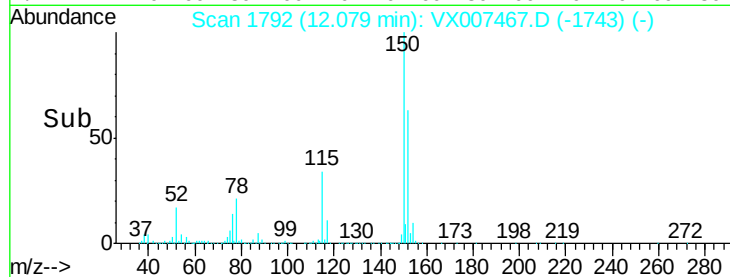
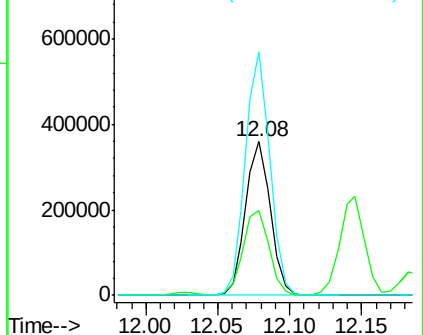
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

Tot Ion:152 Resp: 427889
Ion Ratio Lower Upper
152 100
115 57.3 38.0 114.0
150 157.1 0.0 346.4



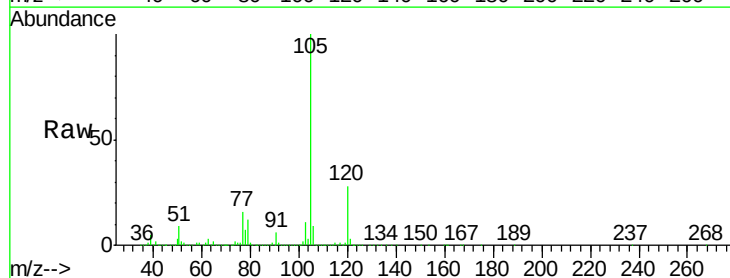
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



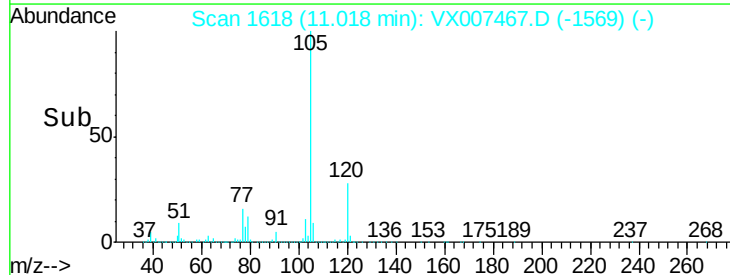
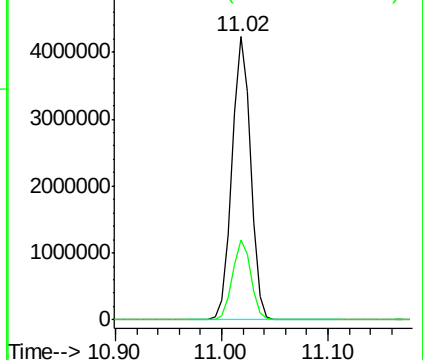
#73

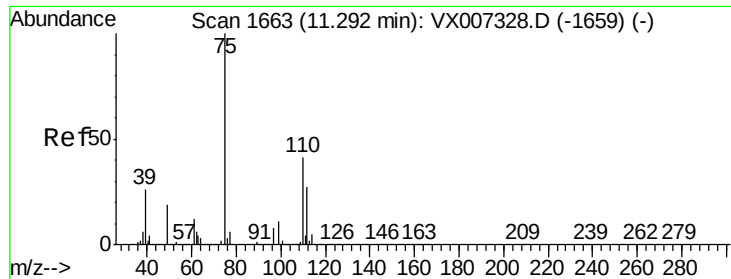
Isopropylbenzene
Concen: 179.459 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion:105 Resp: 5218180
Ion Ratio Lower Upper
105 100
120 27.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 3.914 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

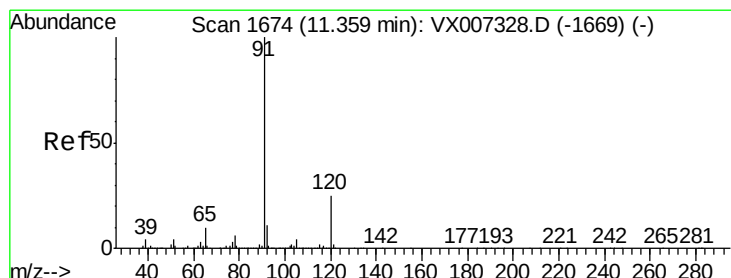
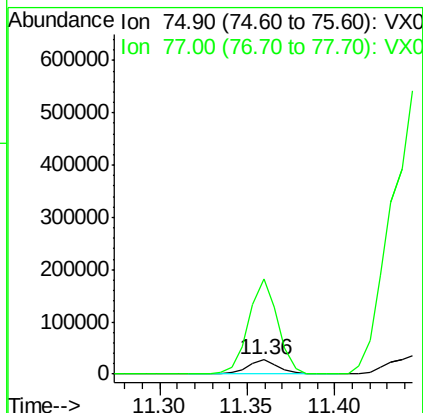
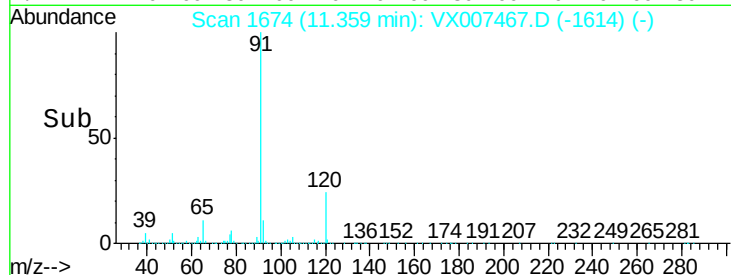
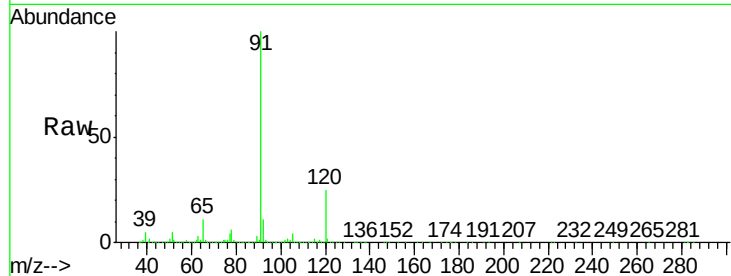
KY001MW022-190207

Tot Ion: 75 Resp: 32575

Ion Ratio Lower Upper

75 100

77 644.7 23.0 69.0#



#78

n-propylbenzene

Concen: 166.478 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007467.D

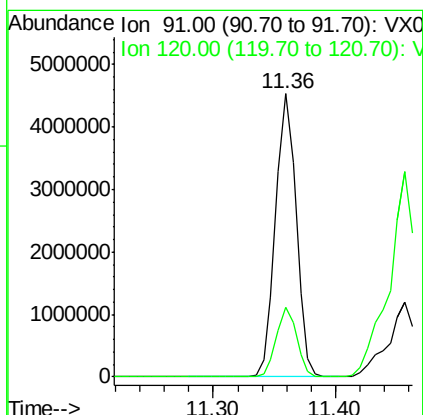
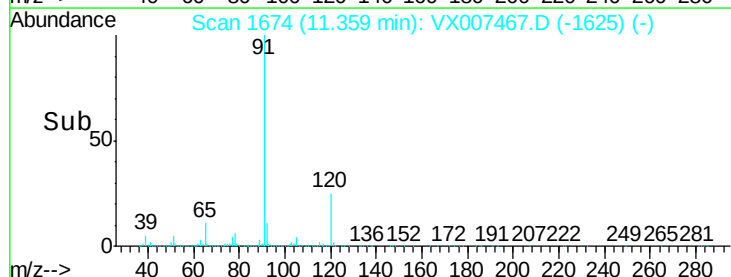
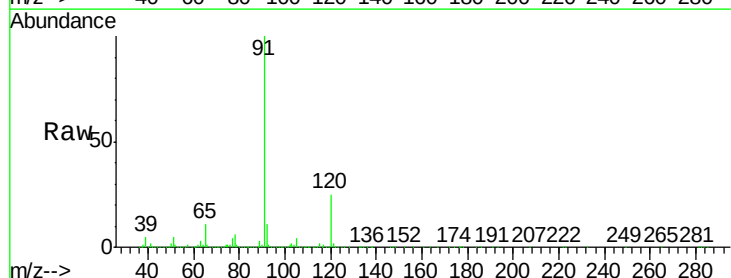
Acq: 11 Feb 2019 14:53

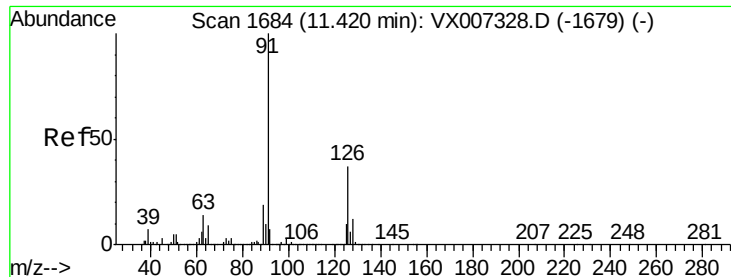
Tgt Ion: 91 Resp: 5308176

Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.2





#79

2-Chlorotoluene

Concen: 91.280 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. 0.04 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

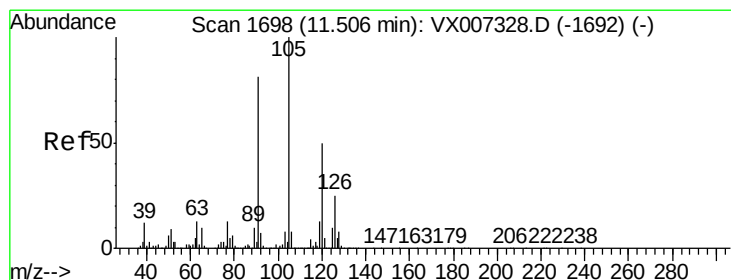
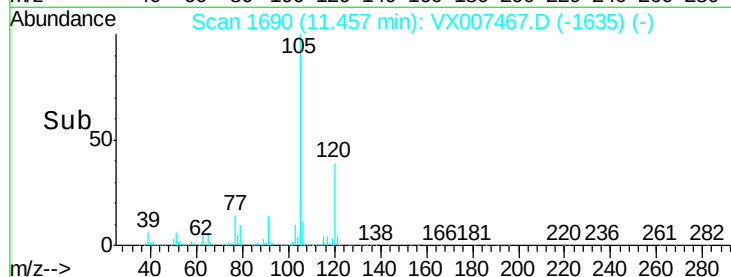
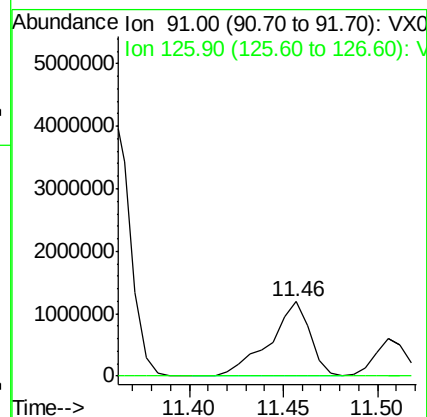
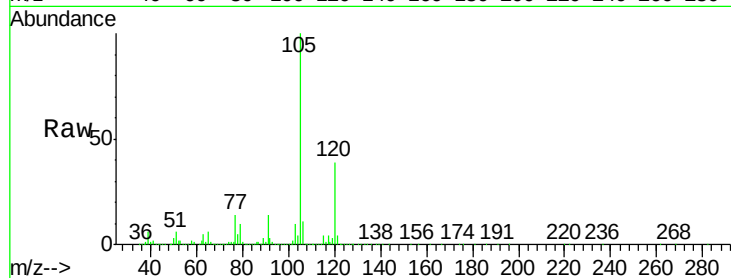
KY001MW022-190207

Tot Ion: 91 Resp: 1766010

Ion Ratio Lower Upper

91 100

126 0.2 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 268.944 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007467.D

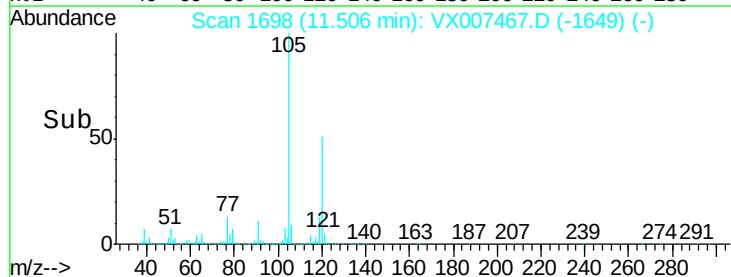
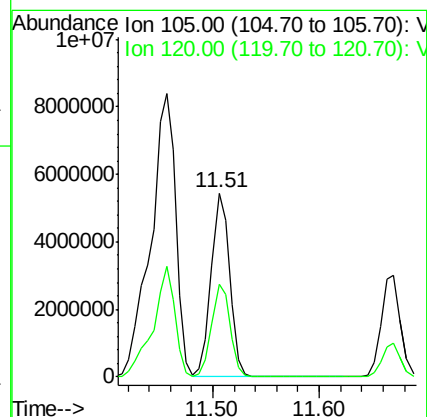
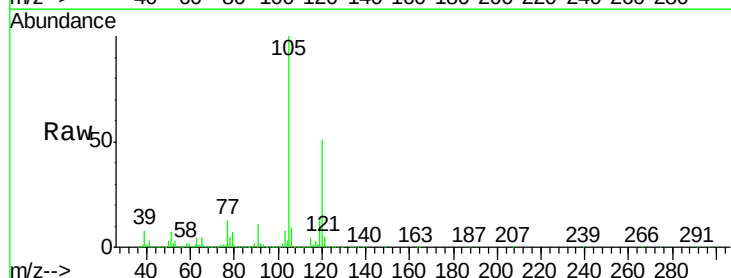
Acq: 11 Feb 2019 14:53

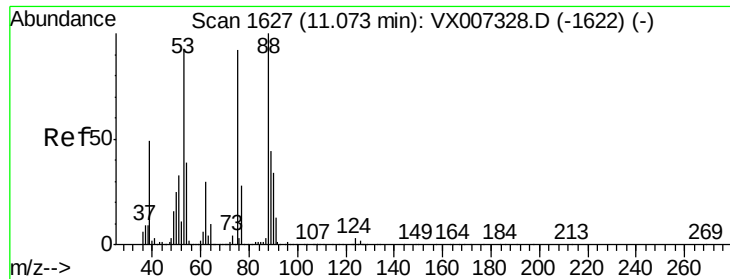
Tgt Ion: 105 Resp: 6397853

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.279 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

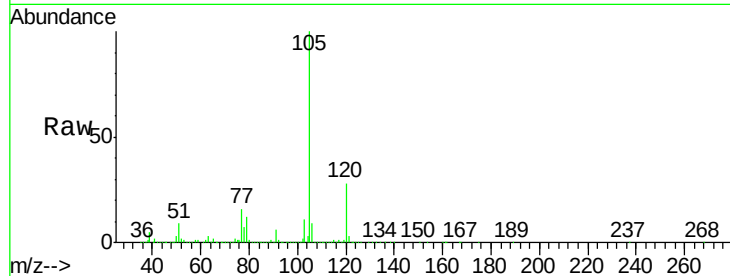
Tot Ion: 75 Resp: 58979

Ion Ratio Lower Upper

75 100

53 101.9 81.0 121.6

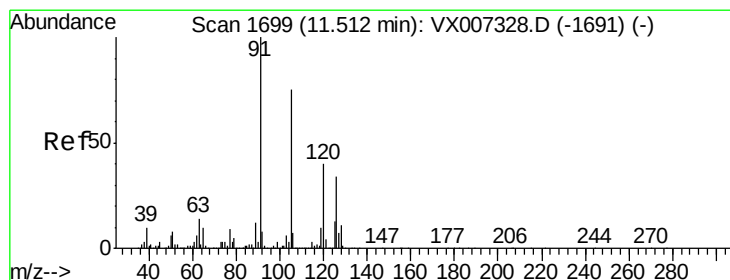
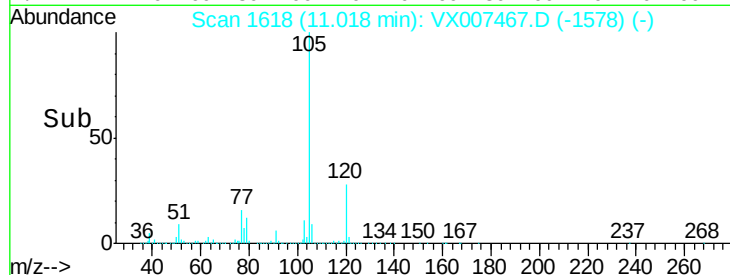
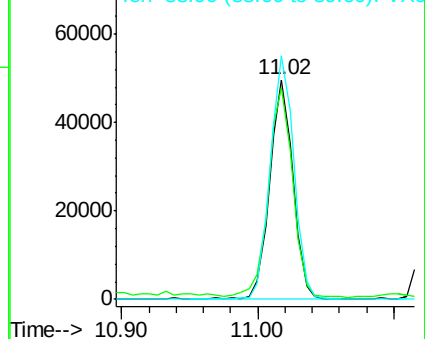
89 113.9 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 31.157 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007467.D

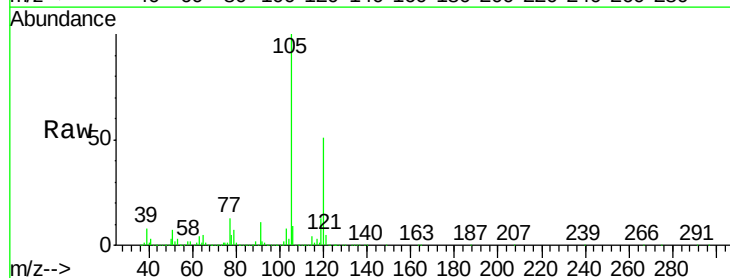
Acq: 11 Feb 2019 14:53

Tgt Ion: 91 Resp: 697494

Ion Ratio Lower Upper

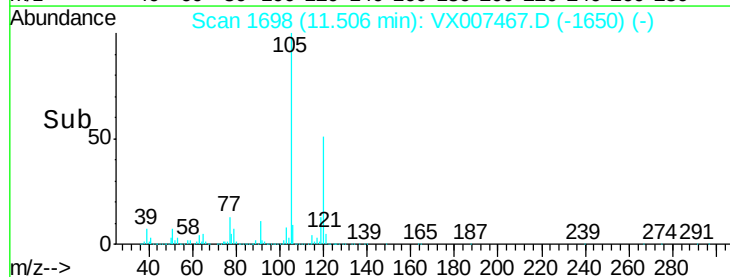
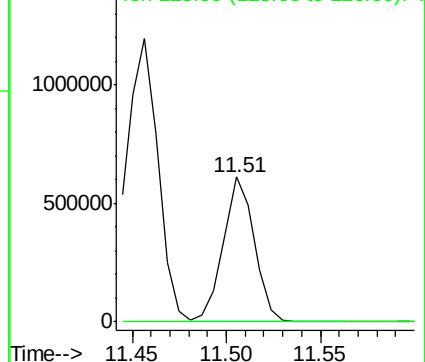
91 100

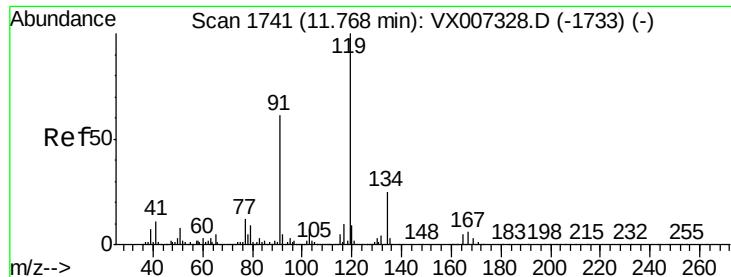
126 0.0 16.2 48.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.201 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

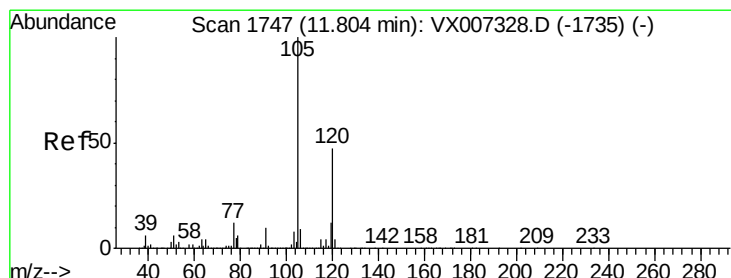
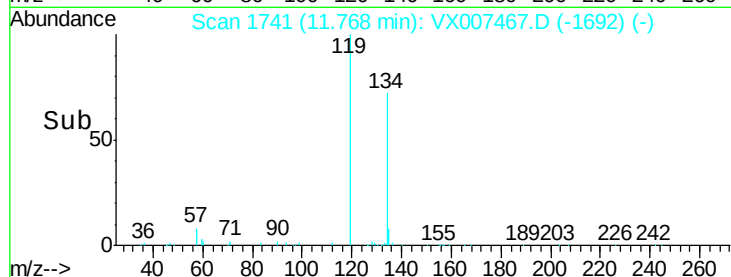
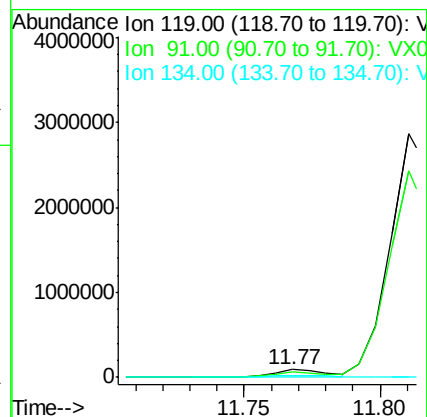
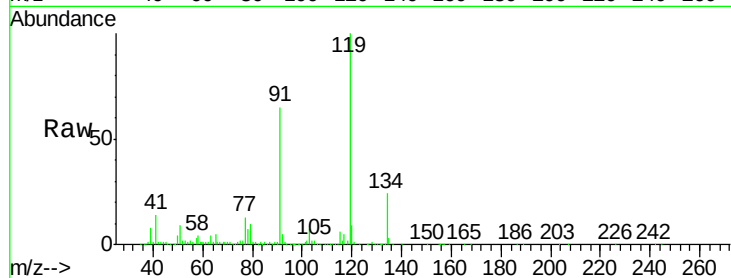
Tot Ion:119 Resp: 122498

Ion Ratio Lower Upper

119 100

91 0.0 28.5 85.6#

134 23.7 12.0 36.0



#84

1,2,4-Trimethylbenzene

Concen: 155.536 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. -0.13 min

Lab File: VX007467.D

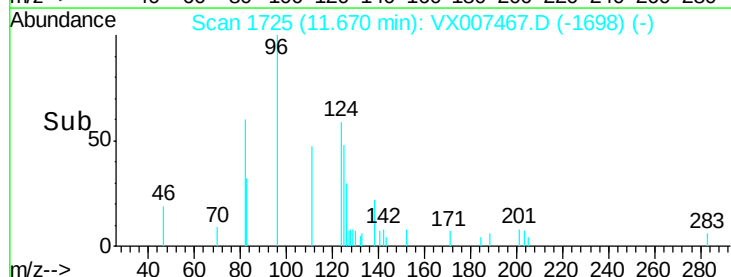
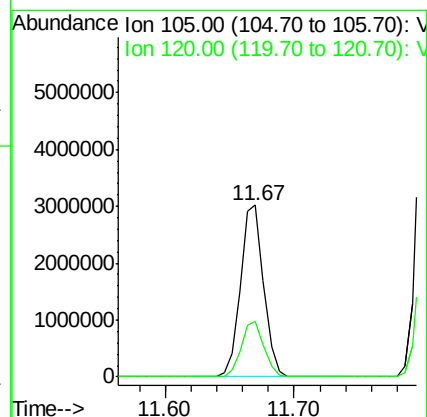
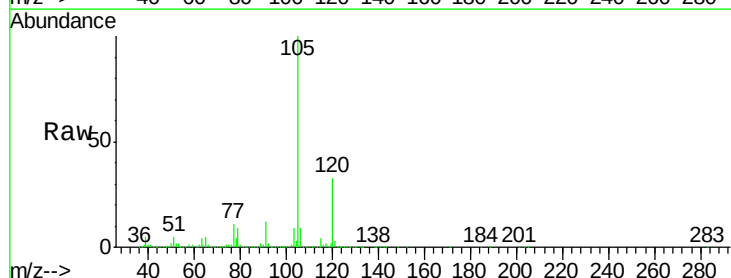
Acq: 11 Feb 2019 14:53

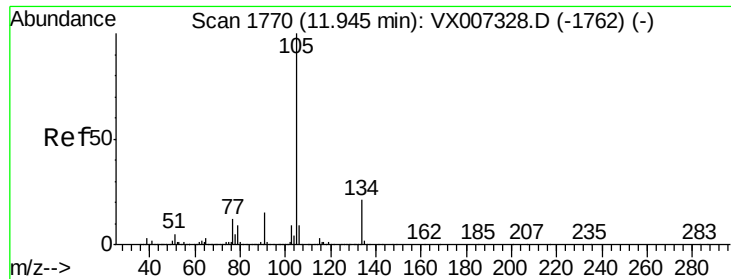
Tgt Ion:105 Resp: 3756375

Ion Ratio Lower Upper

105 100

120 31.9 23.1 69.3

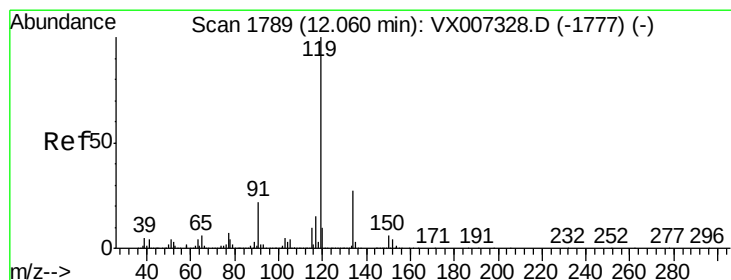
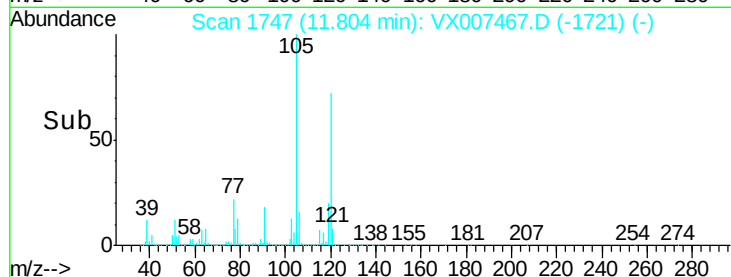
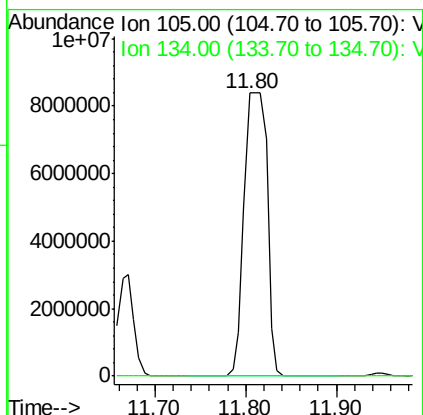
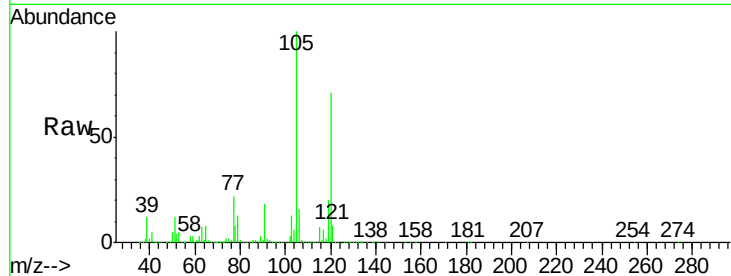




#85
 sec-Butylbenzene
 Concen: 517.324 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.14 min
 Lab File: VX007467.D
 Acq: 11 Feb 2019 14:53

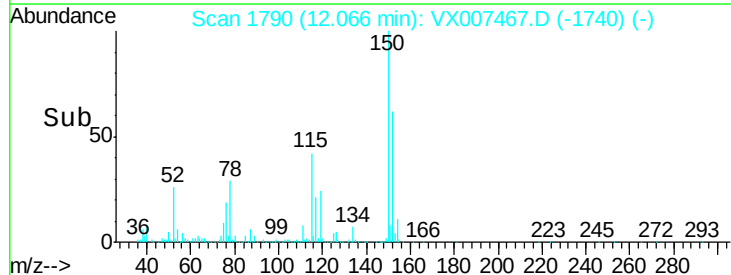
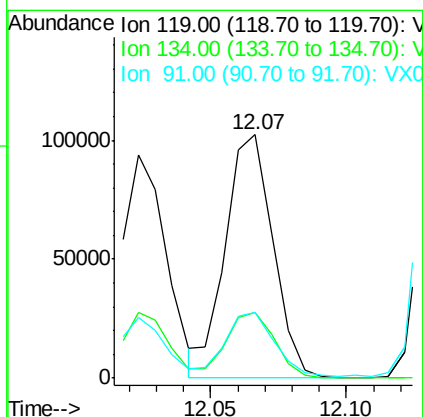
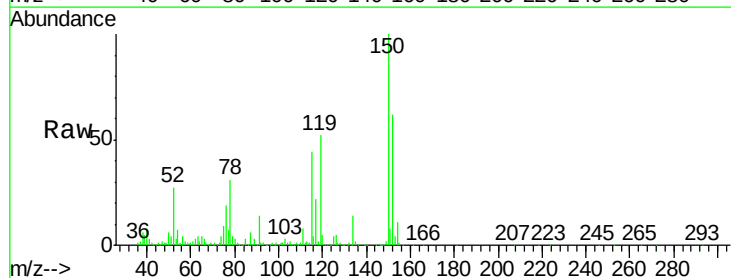
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207

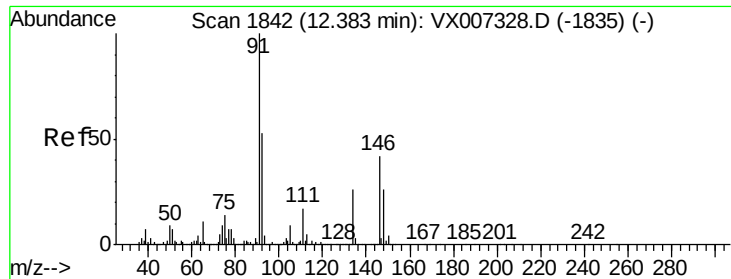
Tot Ion:105 Resp:14746687
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.6 31.8#



#86
 p-Isopropyltoluene
 Concen: 4.824 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX007467.D
 Acq: 11 Feb 2019 14:53

Tgt Ion:119 Resp: 124128
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.7 41.1
 91 0.0 11.2 33.5#

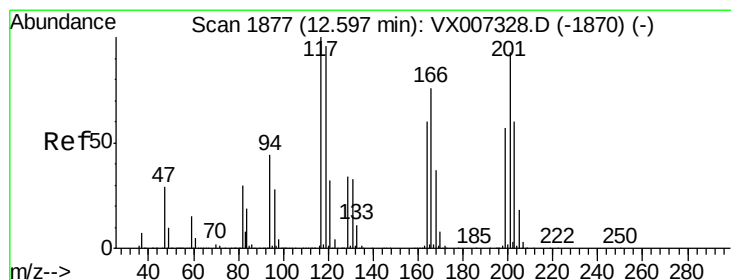
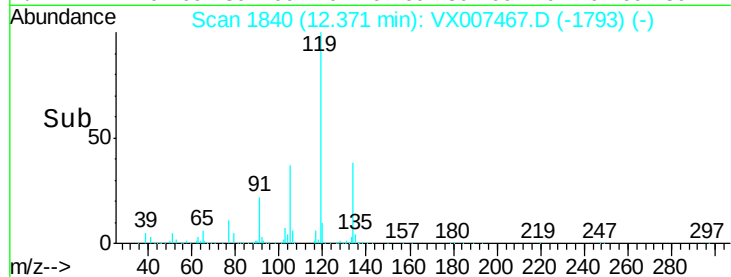
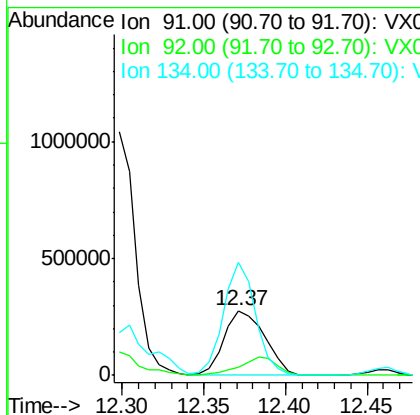
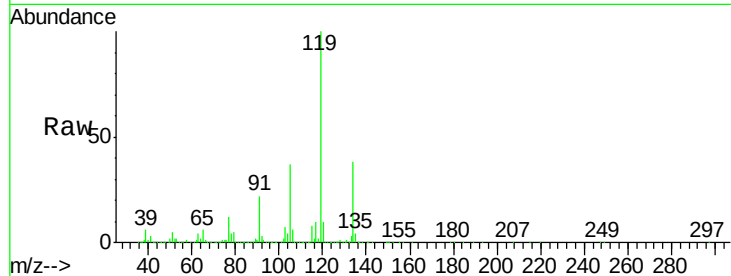




#89
n-Butylbenzene
Concen: 21.710 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

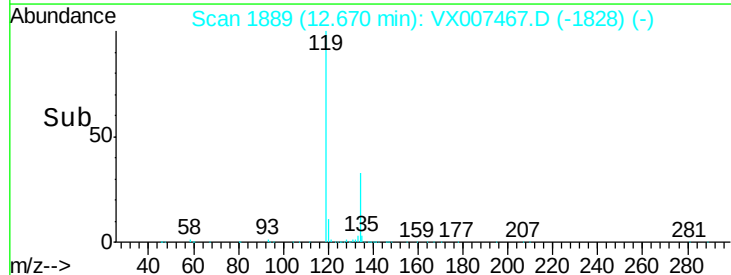
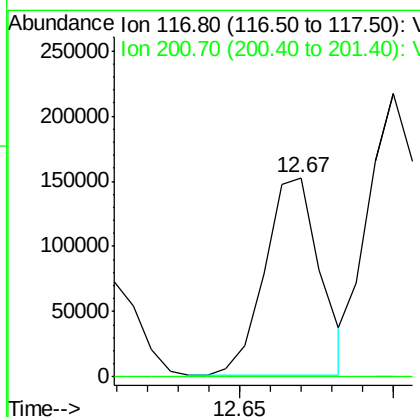
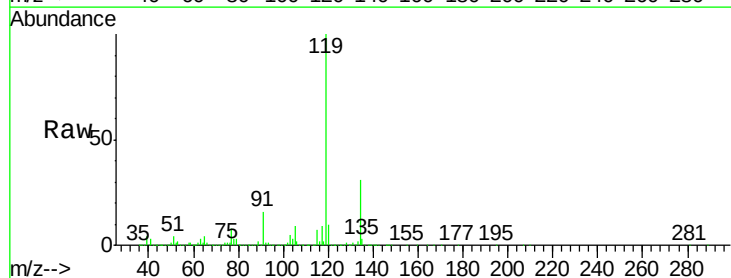
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

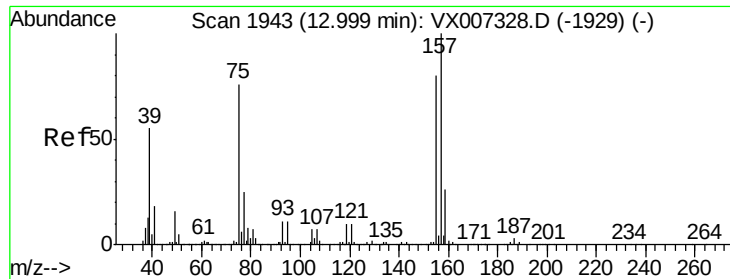
Tot Ion: 91 Resp: 480577
Ion Ratio Lower Upper
91 100
92 25.8 26.3 78.9#
134 137.9 13.9 41.6#



#90
Hexachloroethane
Concen: 49.305 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion: 117 Resp: 189881
Ion Ratio Lower Upper
117 100
201 0.0 44.9 134.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.927 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

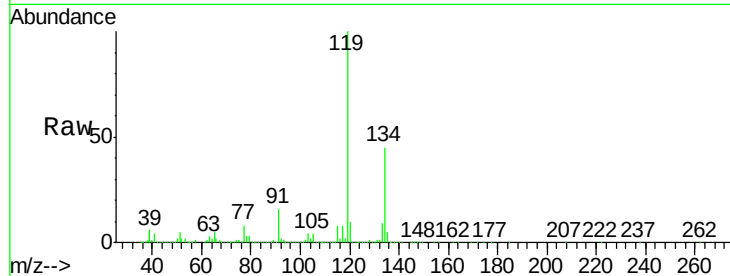
Tot Ion: 75 Resp: 10921

Ion Ratio Lower Upper

75 100

155 0.8 49.6 149.0#

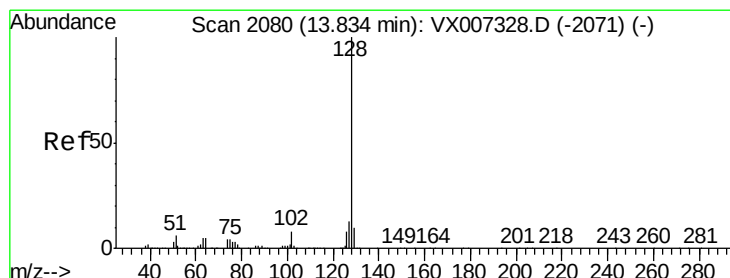
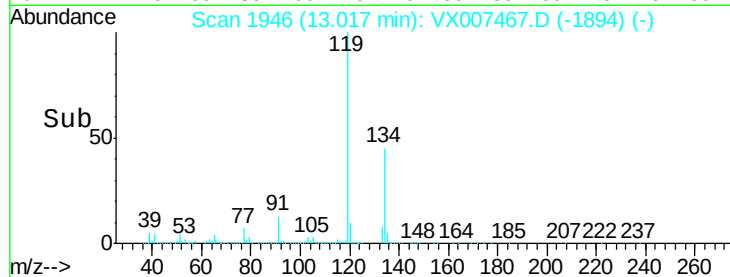
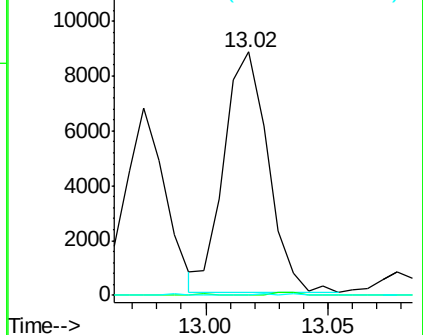
157 0.4 65.1 195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX007467.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX007467.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX007467.D (-1894) (-)



#95

Naphthalene

Concen: 238.597 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

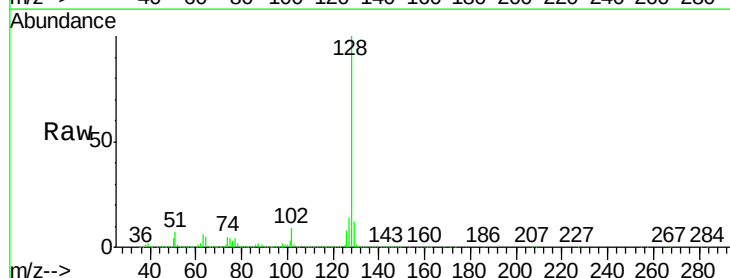
Tgt Ion:128 Resp: 6885210

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VX007467.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX007467.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX007467.D (-2031) (-)

