

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012585.D
 Acq On : 21 Sep 2019 02:52
 Operator : JC/SP
 Sample : K4930-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190916

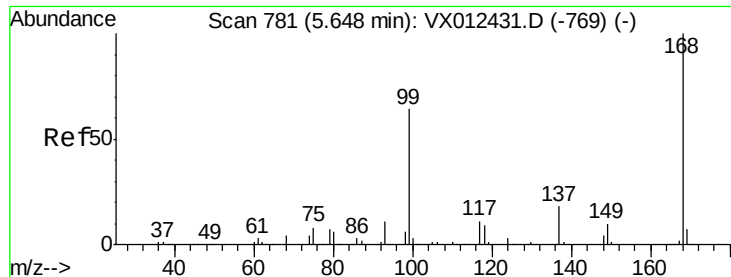
Quant Time: Sep 21 04:03:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93541	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	119204	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	5.49	113	84378	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.71	98	323455	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.14	95	110656	41.87	ug/l	0.00
Spiked Amount			Recovery	=	83.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	32	0.418	ug/l #	43
3) Chloromethane	1.32	50	952	0.970	ug/l #	62
4) Vinyl Chloride	1.40	62	397	0.374	ug/l #	75
5) Bromomethane	1.64	94	272	0.653	ug/l #	50
6) Chloroethane	1.70	64	1382	1.665	ug/l #	45
10) Methyl Iodide	2.50	142	99	4.517	ug/l #	60
11) Tert butyl alcohol	3.01	59	1172	Below Cal	#	84
13) Acrolein	2.32	56	240	Below Cal	#	80
16) Acetone	2.44	43	3176	Below Cal		95
17) Carbon Disulfide	2.56	76	96	1.865	ug/l #	75
27) cis-1,2-Dichloroethene	4.59	96	9445	5.426	ug/l	88
29) Tetrahydrofuran	5.14	42	219	0.223	ug/l #	68
36) 1,1-Dichloropropene	5.65	75	14548	8.425	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18542	8.633	ug/l #	16
42) 1,2-Dichloroethane	6.19	62	597	0.234	ug/l	95
49) 1,4-Dioxane	7.78	88	38	0.696	ug/l #	22
76) 1,2,3-Trichloropropane	11.14	75	57332	26.682	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	57332	71.812	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

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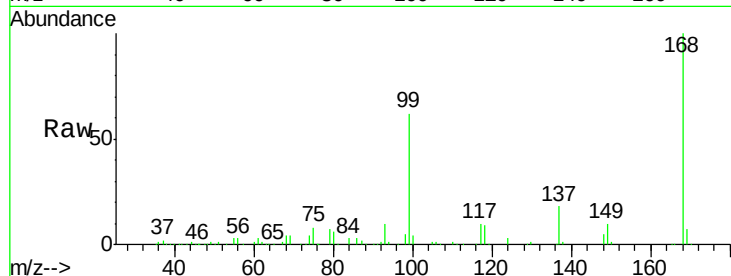
KY038PS038-190916

Tot Ion:168 Resp: 178476

Ion Ratio Lower Upper

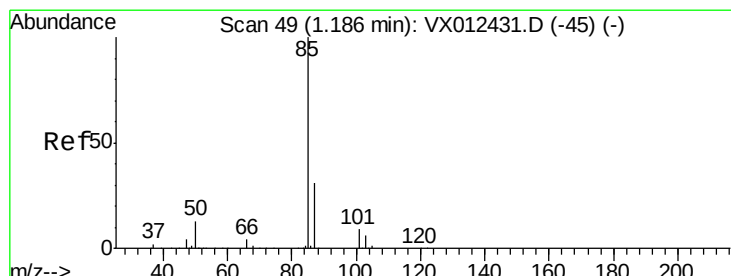
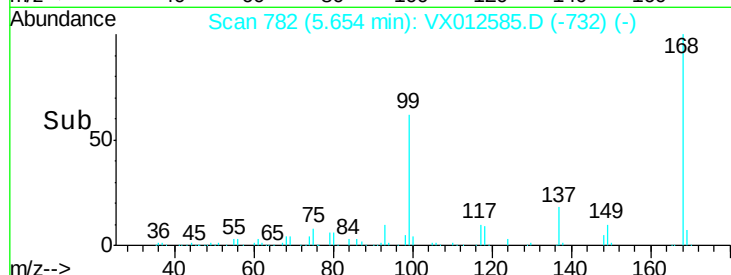
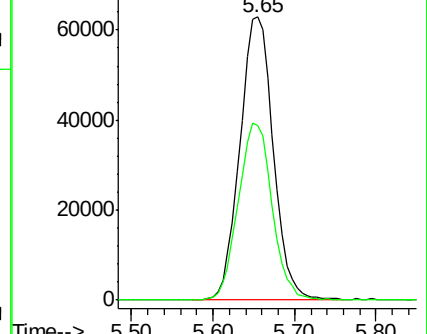
168 100

99 61.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.418 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.02 min

Lab File: VX012585.D

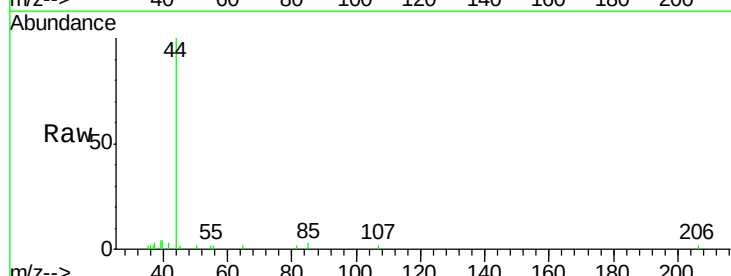
Acq: 21 Sep 2019 02:52

Tgt Ion: 85 Resp: 32

Ion Ratio Lower Upper

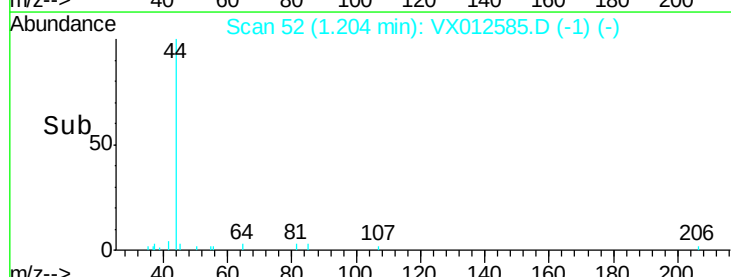
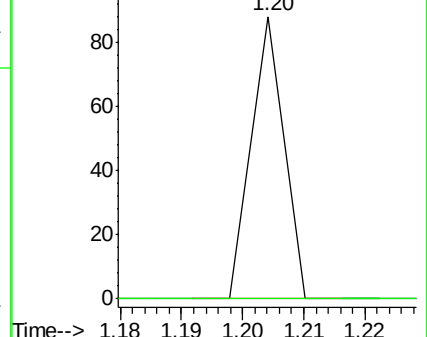
85 100

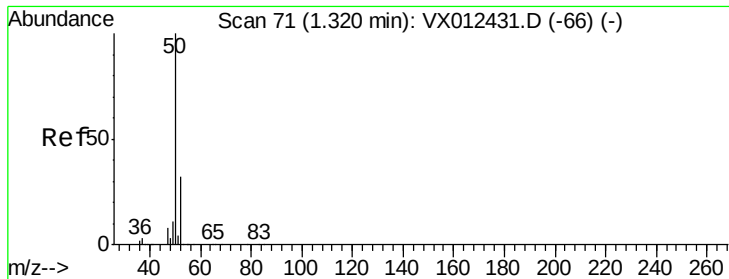
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.970 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

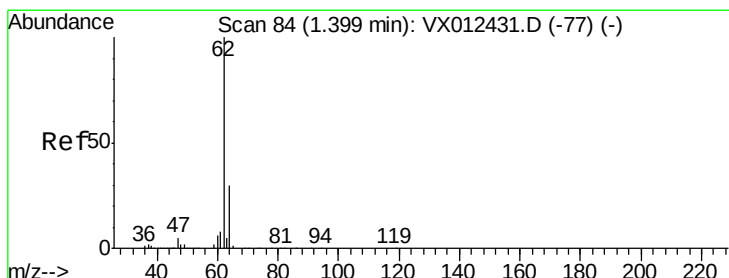
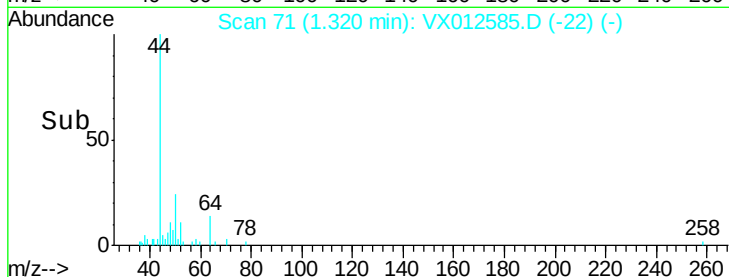
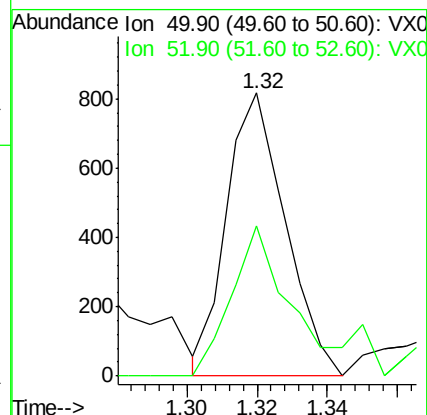
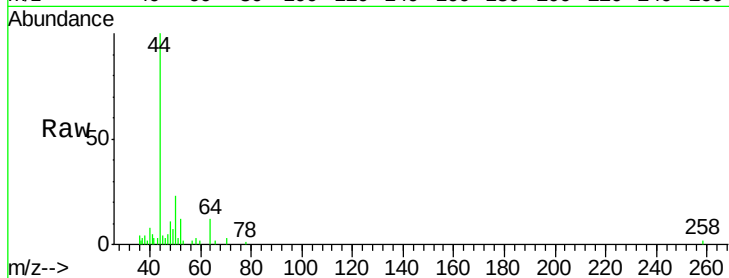
KY038PS038-190916

Tot Ion: 50 Resp: 952

Ion Ratio Lower Upper

50 100

52 53.1 25.7 38.5#



#4

Vinyl Chloride

Concen: 0.374 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012585.D

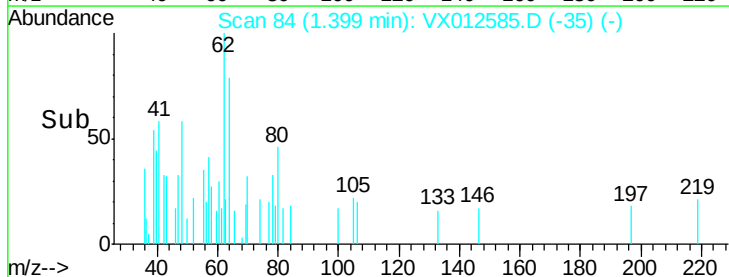
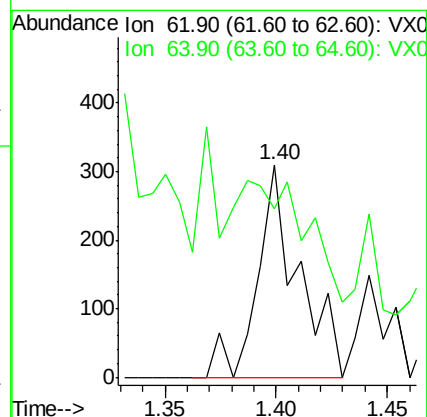
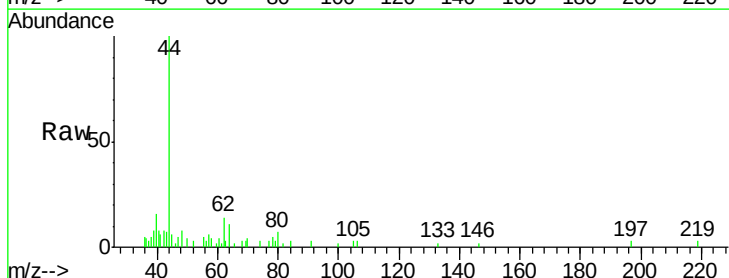
Acq: 21 Sep 2019 02:52

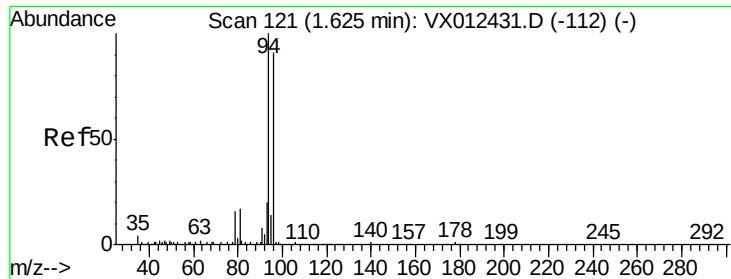
Tgt Ion: 62 Resp: 397

Ion Ratio Lower Upper

62 100

64 43.5 24.2 36.2#





#5

Bromomethane

Concen: 0.653 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

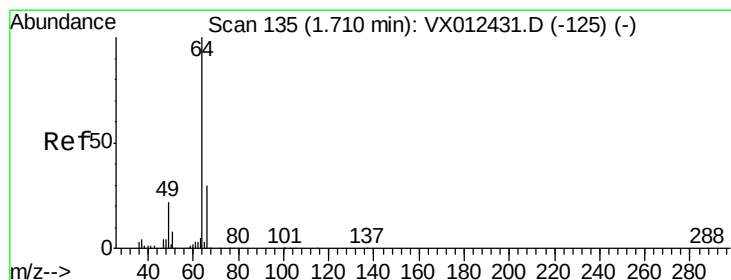
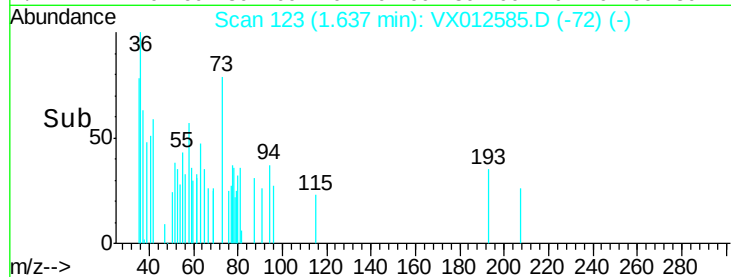
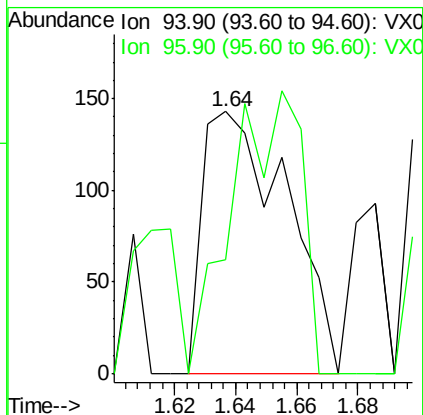
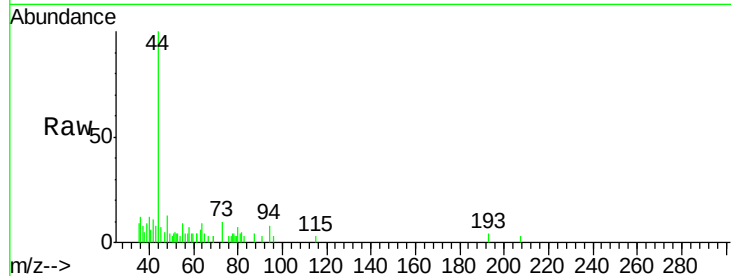
KY038PS038-190916

Tot Ion: 94 Resp: 272

Ion Ratio Lower Upper

94 100

96 43.4 72.8 109.2#



#6

Chloroethane

Concen: 1.665 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012585.D

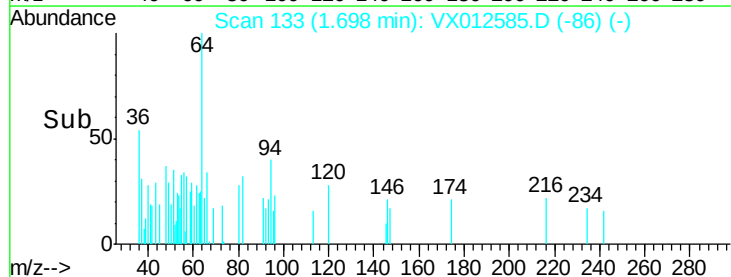
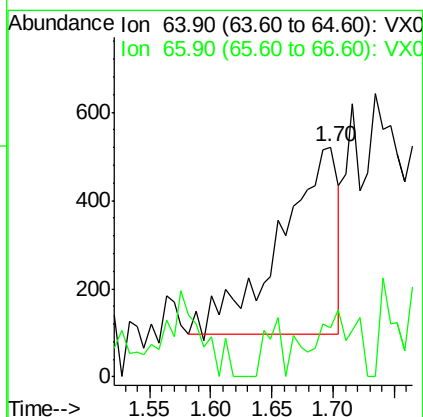
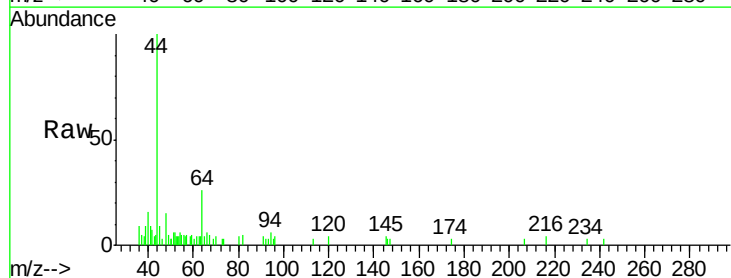
Acq: 21 Sep 2019 02:52

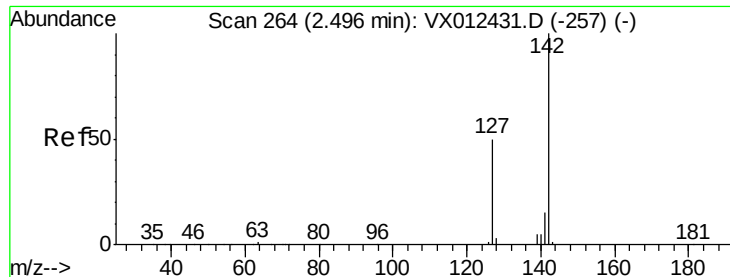
Tgt Ion: 64 Resp: 1382

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#

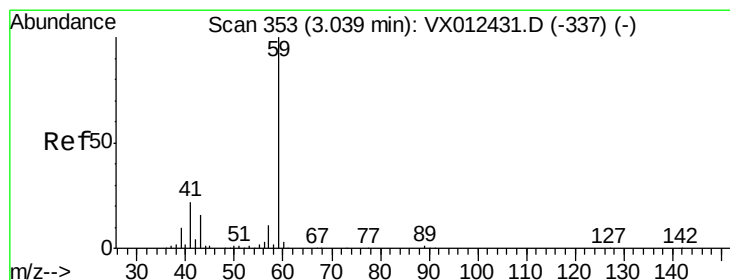
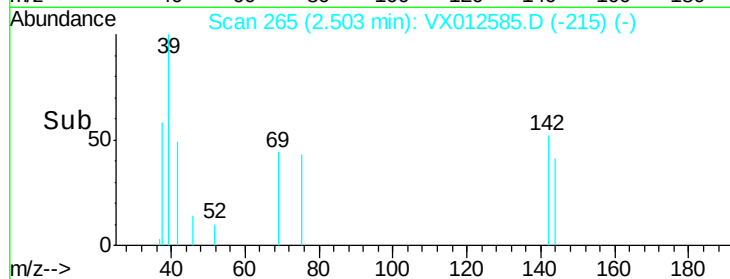
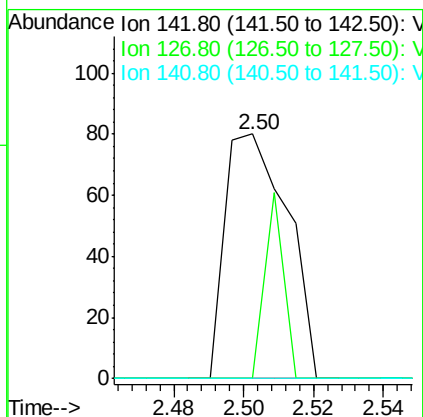
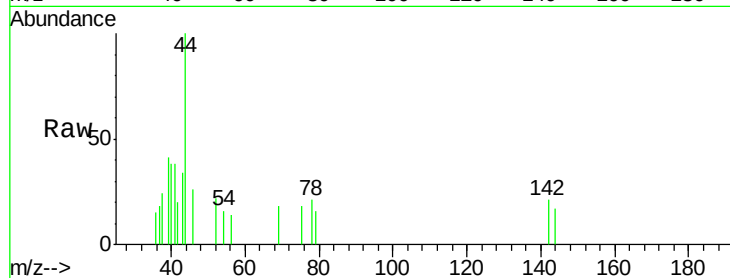




#10
Methvl Iodide
Concen: 4.517 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012585.D
Acq: 21 Sep 2019 02:52

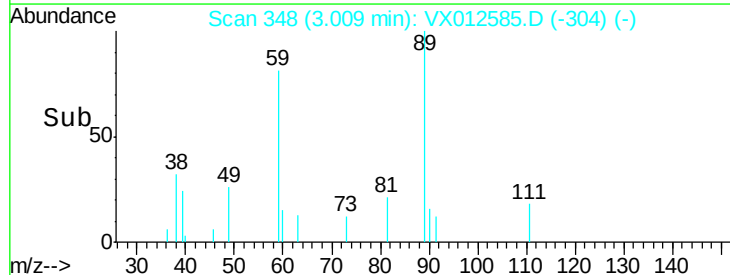
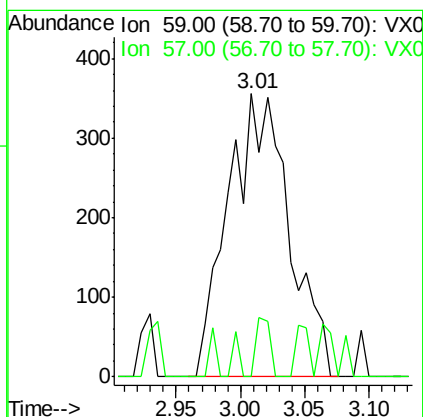
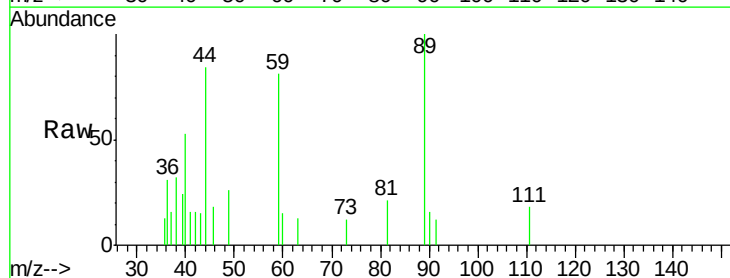
Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190916

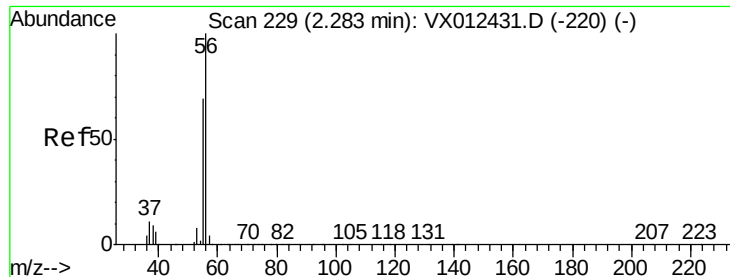
Tot Ion:142 Resp: 99
Ion Ratio Lower Upper
142 100
127 22.2 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012585.D
Acq: 21 Sep 2019 02:52

Tgt Ion: 59 Resp: 1172
Ion Ratio Lower Upper
59 100
57 4.5 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 235

Delta R.T. 0.04 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

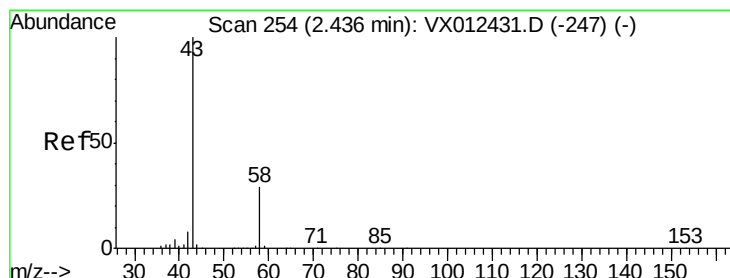
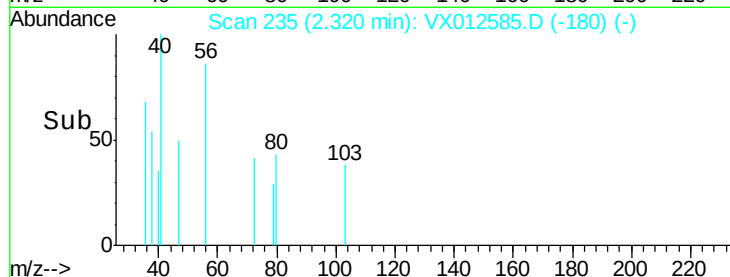
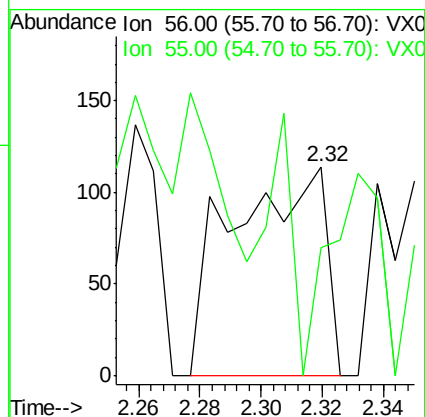
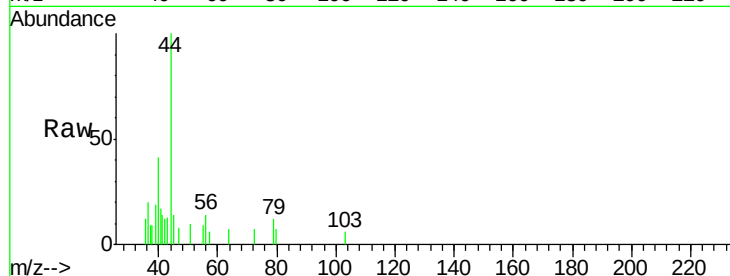
KY038PS038-190916

Tot Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 53.3 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012585.D

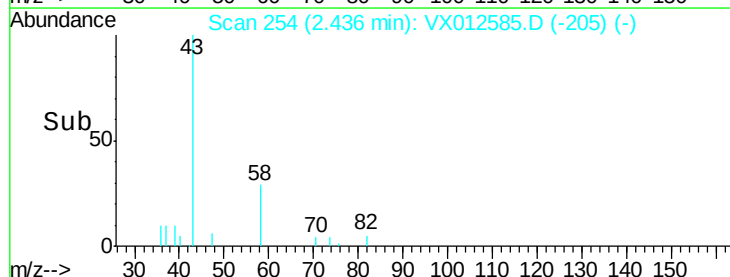
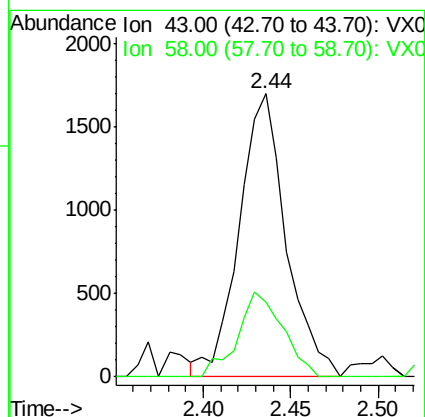
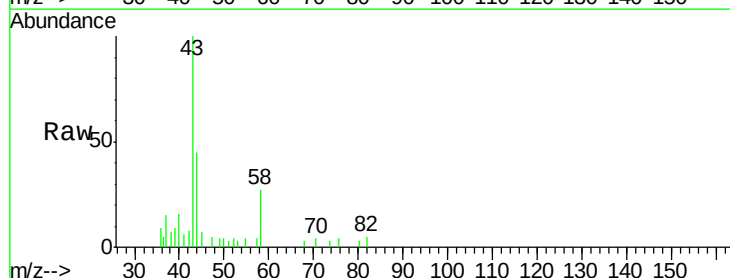
Acq: 21 Sep 2019 02:52

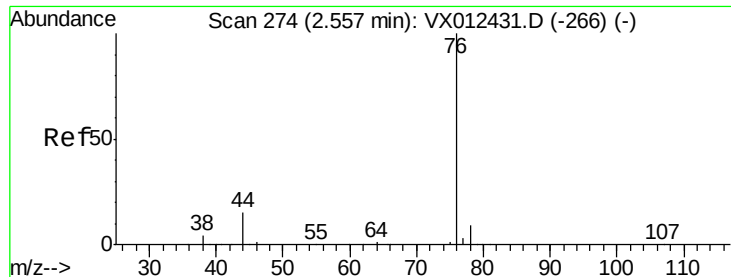
Tgt Ion: 43 Resp: 3176

Ion Ratio Lower Upper

43 100

58 26.6 23.3 34.9





#17

Carbon Disulfide

Concen: 1.865 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

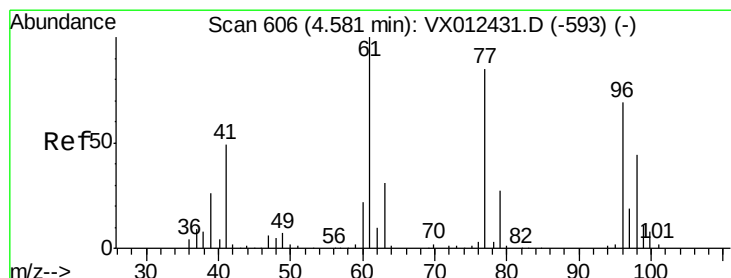
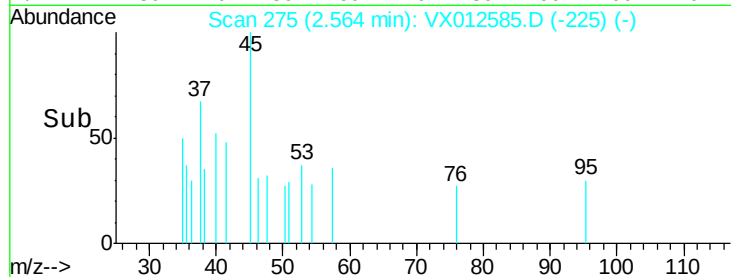
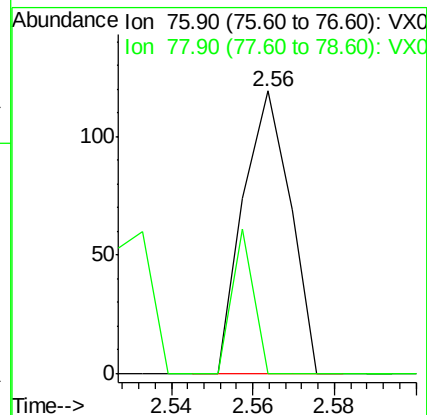
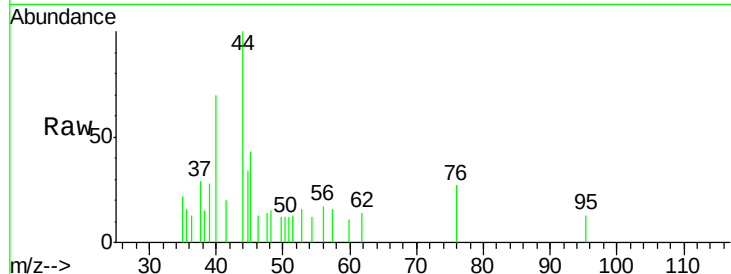
KY038PS038-190916

Tot Ion: 76 Resp: 96

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#27

cis-1,2-Dichloroethene

Concen: 5.426 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

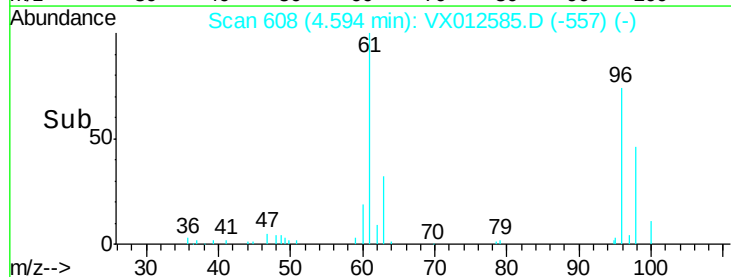
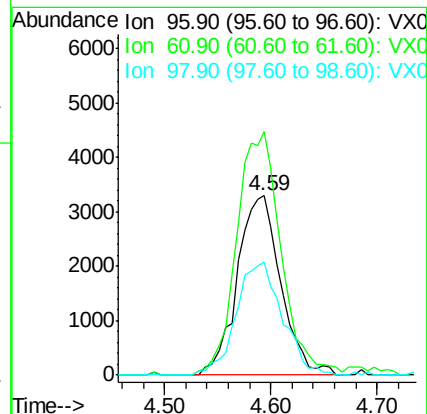
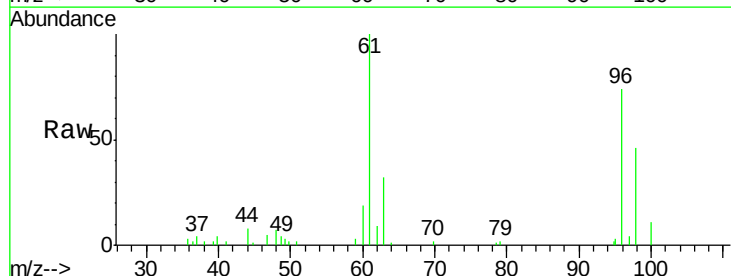
Tgt Ion: 96 Resp: 9445

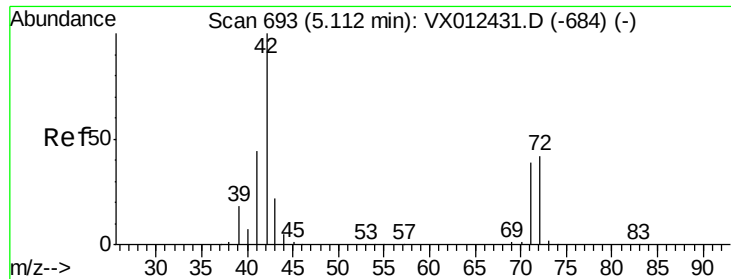
Ion Ratio Lower Upper

96 100

61 138.3 0.0 319.4

98 66.6 0.0 130.6





#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

Instrument :

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ClientSampleId :

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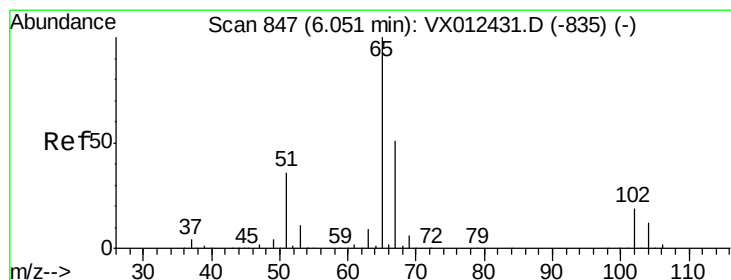
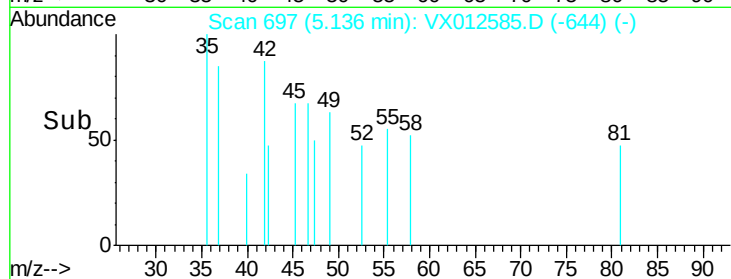
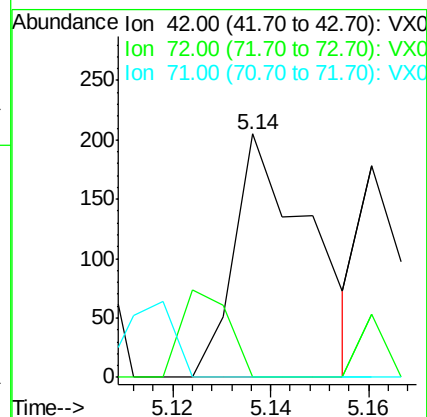
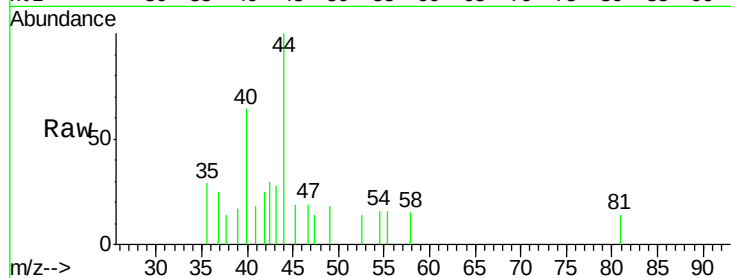
Tot Ion: 42 Resp: 219

Ion Ratio Lower Upper

42 100

72 22.4 34.0 51.0#

71 19.2 31.5 47.3#



#33

1,2-Dichloroethane-d4

Concen: 46.602 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012585.D

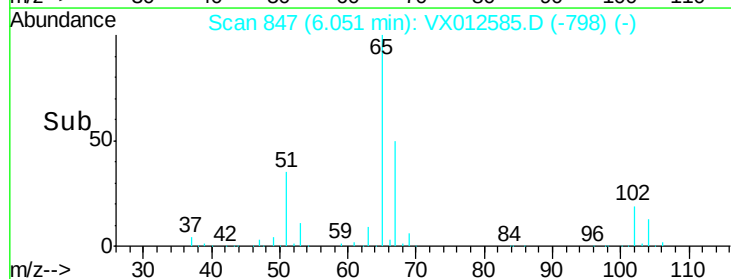
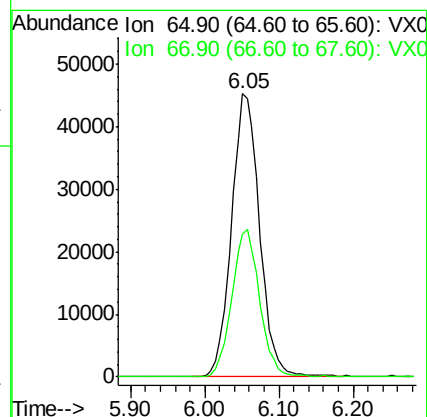
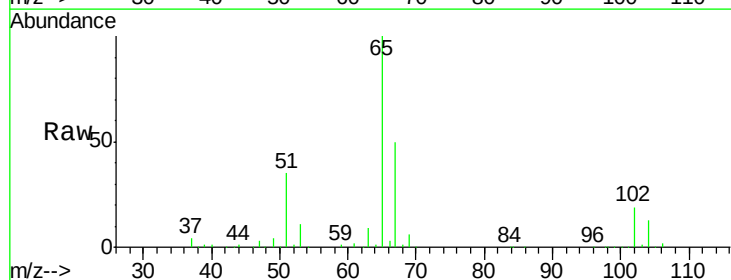
Acq: 21 Sep 2019 02:52

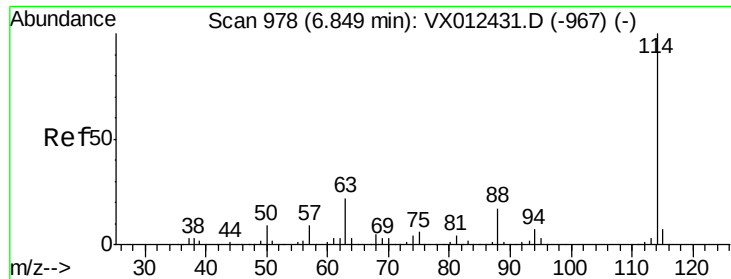
Tgt Ion: 65 Resp: 119204

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.2

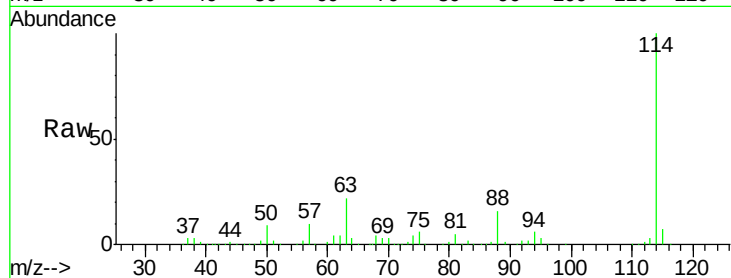




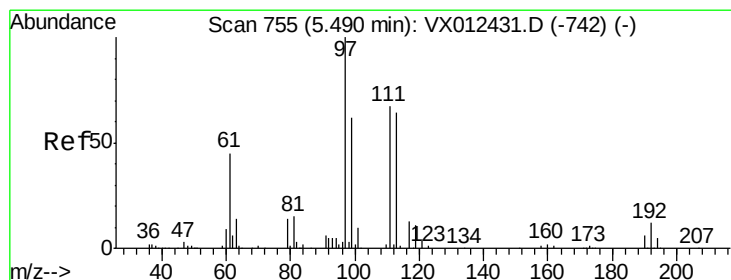
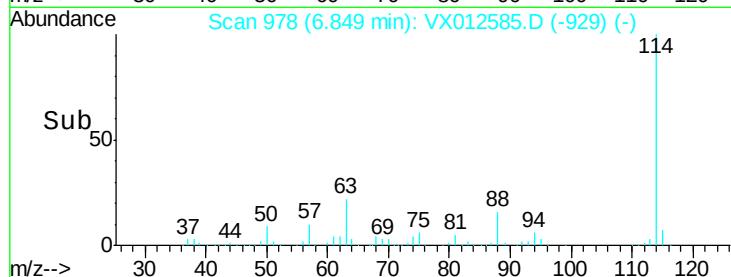
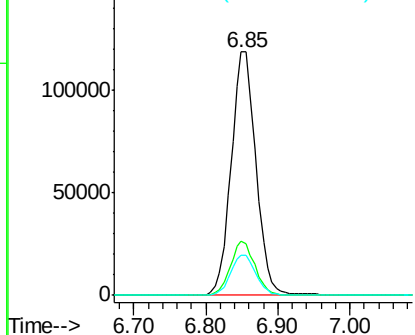
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012585.D
 Acq: 21 Sep 2019 02:52

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190916

Tot Ion:114 Resp: 284135
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.4 0.0 33.2

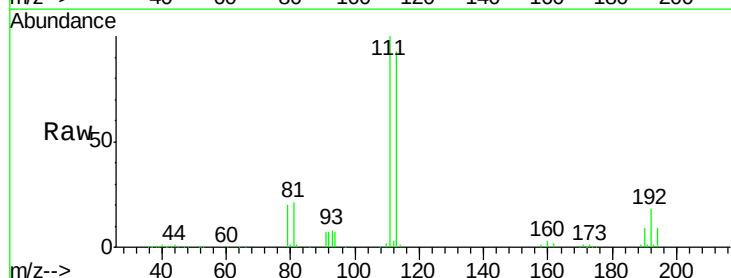


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

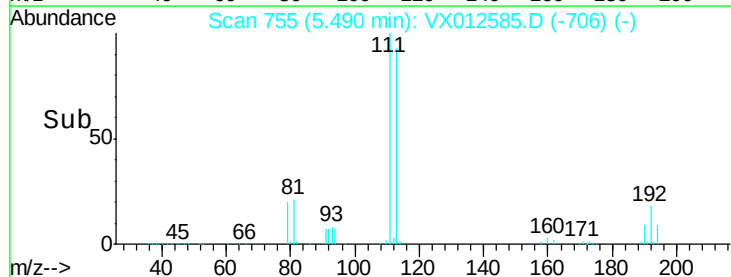
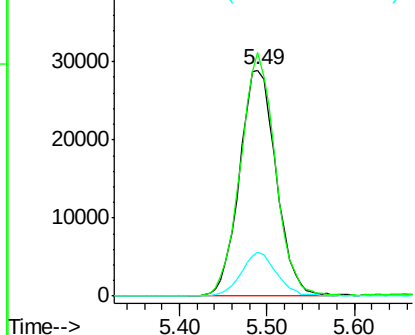


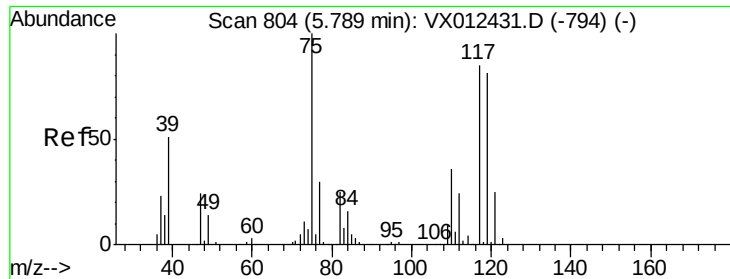
#35
 Dibromofluoromethane
 Concen: 49.064 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012585.D
 Acq: 21 Sep 2019 02:52

Tgt Ion:113 Resp: 84378
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.2
 192 18.7 14.4 21.6



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

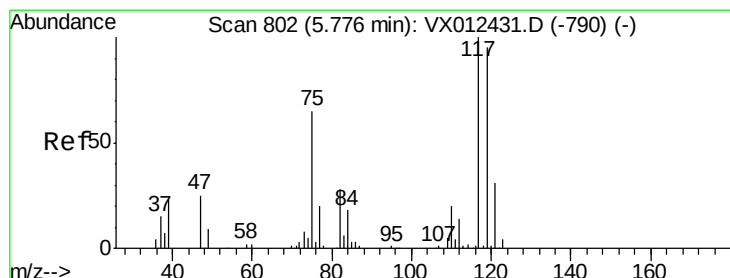
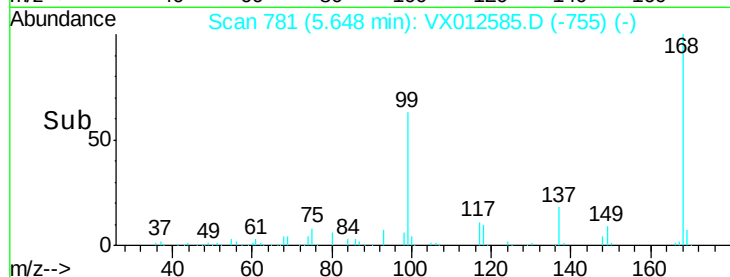
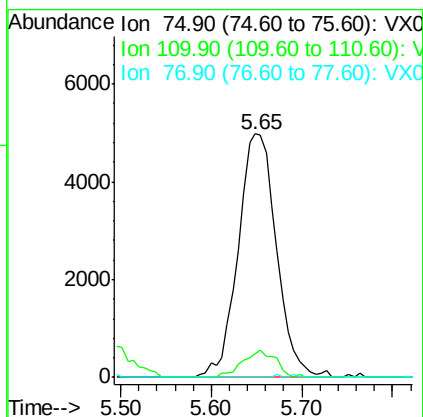
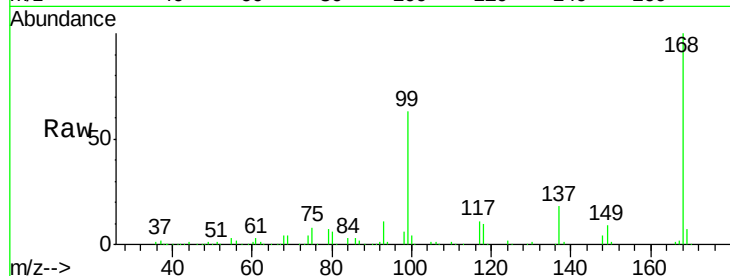




#36
 1,1-Dichloropropene
 Concen: 8.425 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012585.D
 Acq: 21 Sep 2019 02:52

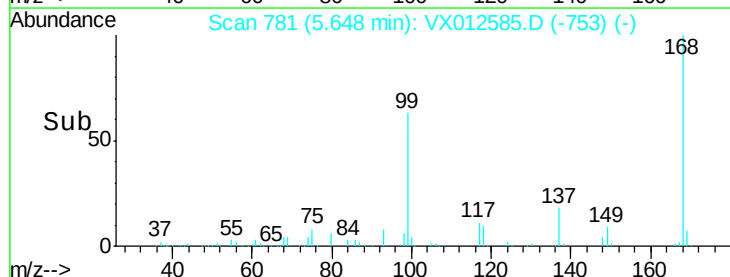
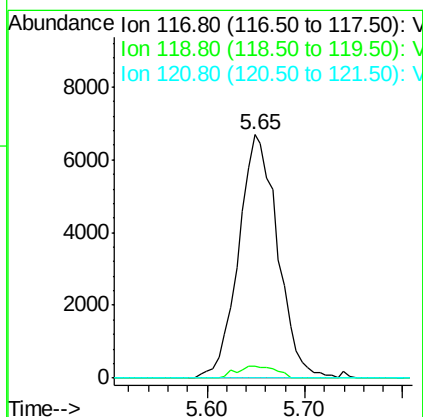
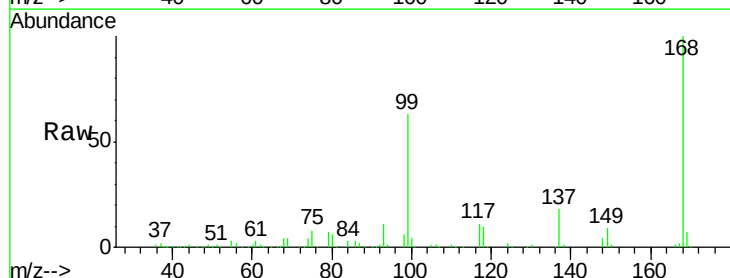
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190916

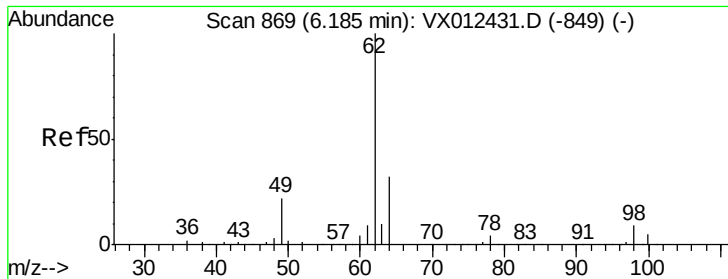
Tot Ion: 75 Resp: 14548
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 8.633 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012585.D
 Acq: 21 Sep 2019 02:52

Tgt Ion: 117 Resp: 18542
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.7 113.5#
 121 0.0 24.2 36.4#

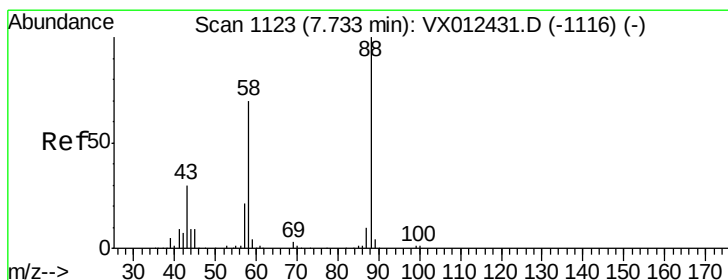
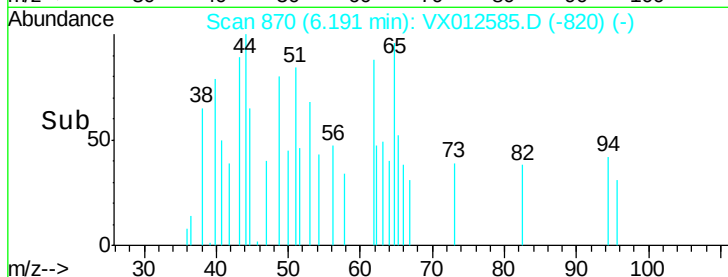
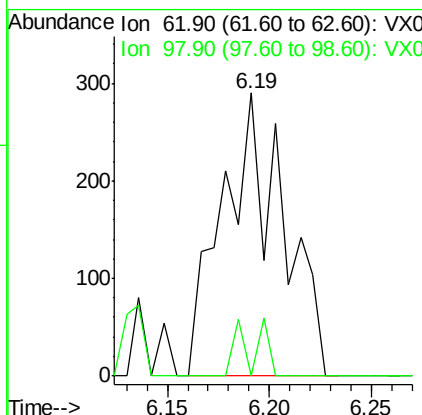
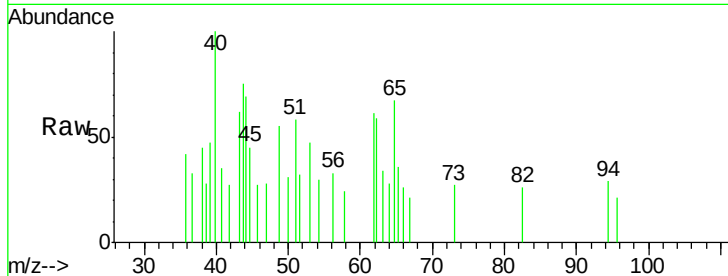




#42
 1,2-Dichloroethane
 Concen: 0.234 ug/l
 RT: 6.19 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX012585.D
 Acq: 21 Sep 2019 02:52

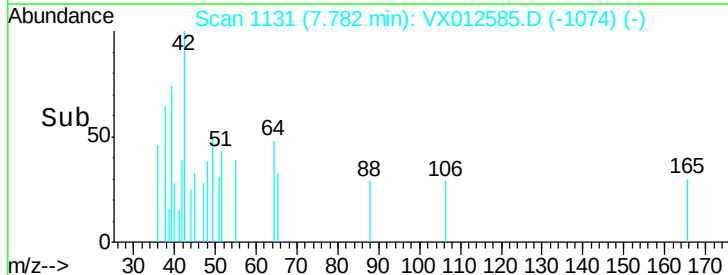
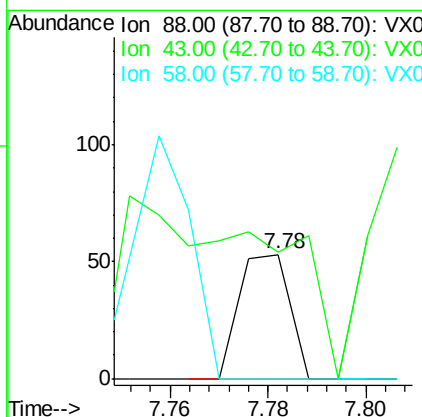
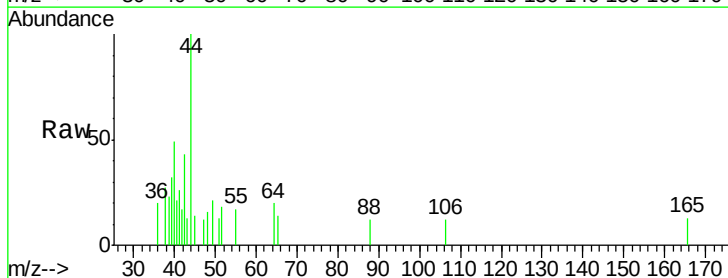
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190916

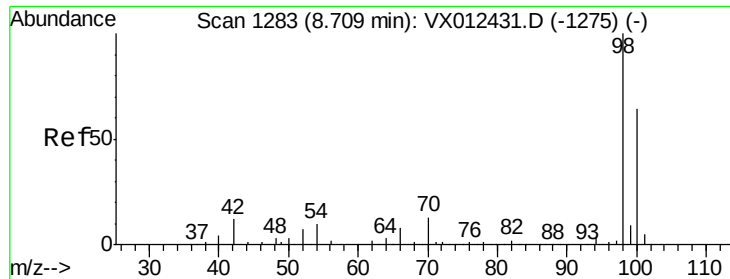
Tot Ion: 62 Resp: 597
 Ion Ratio Lower Upper
 62 100
 98 7.2 0.0 17.8



#49
 1,4-Dioxane
 Concen: 0.696 ug/l
 RT: 7.78 min Scan# 1131
 Delta R.T. 0.05 min
 Lab File: VX012585.D
 Acq: 21 Sep 2019 02:52

Tgt Ion: 88 Resp: 38
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.4 44.0#
 58 0.0 57.5 86.3#

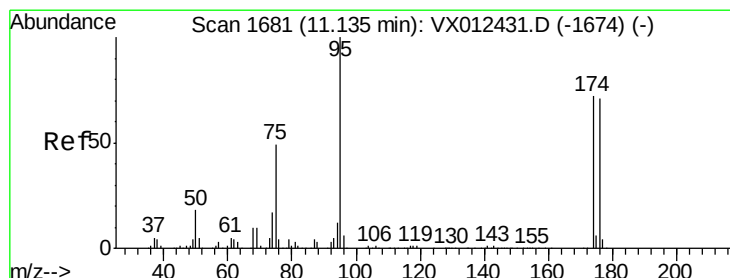
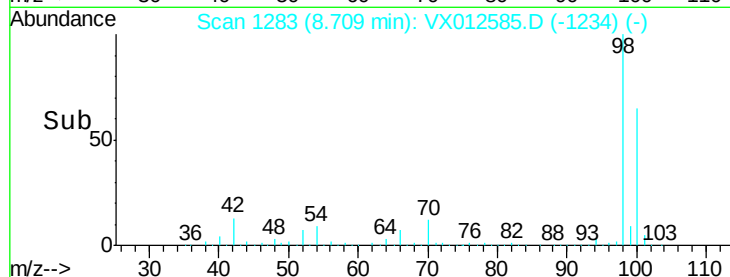
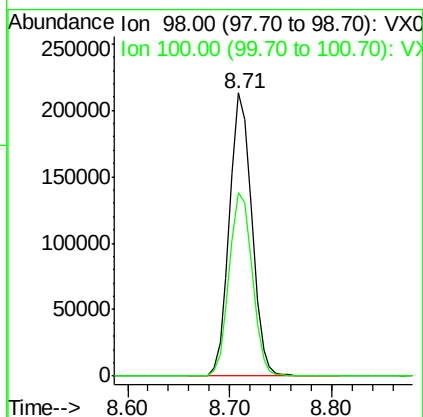
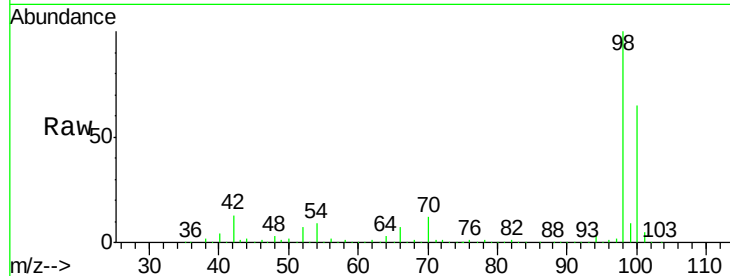




#50
Toluene-d8
Concen: 50.813 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012585.D
Acq: 21 Sep 2019 02:52

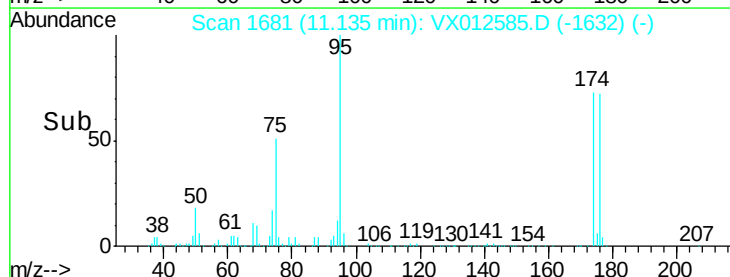
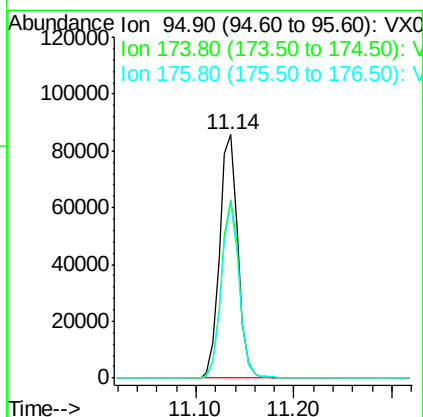
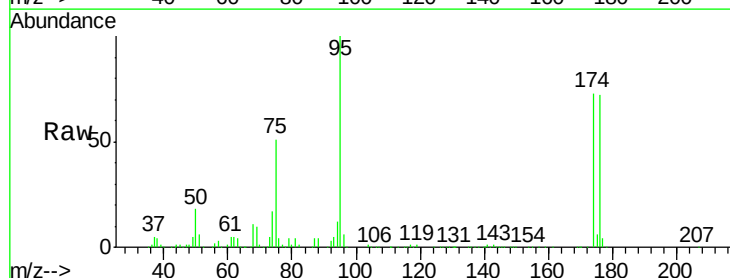
Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190916

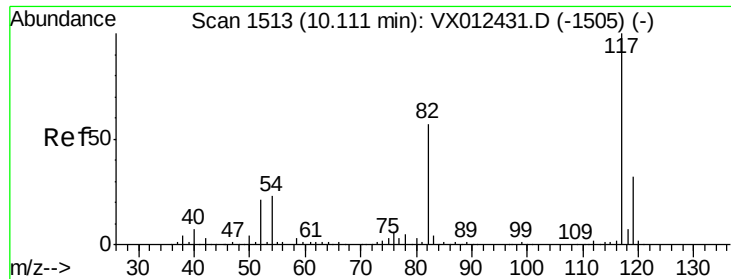
Tot Ion: 98 Resp: 323455
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 41.867 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012585.D
Acq: 21 Sep 2019 02:52

Tgt Ion: 95 Resp: 110656
Ion Ratio Lower Upper
95 100
174 72.7 0.0 140.0
176 69.7 0.0 135.4

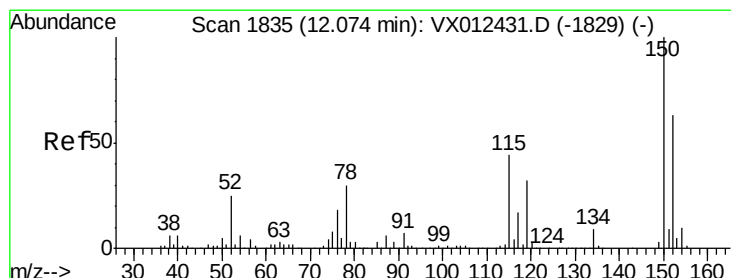
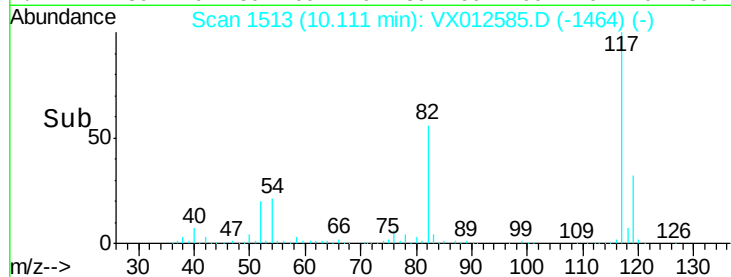
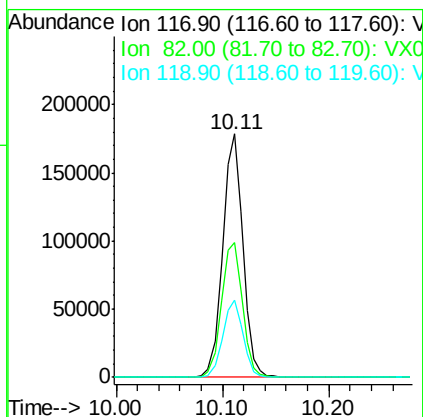
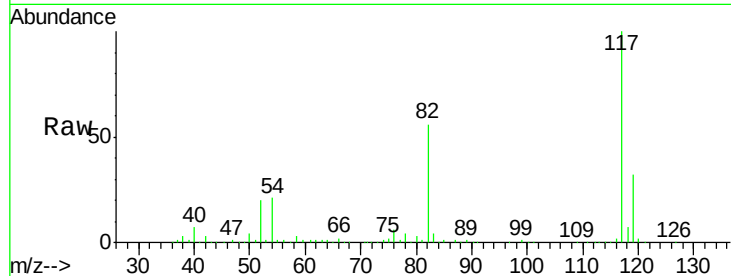




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012585.D
Acq: 21 Sep 2019 02:52

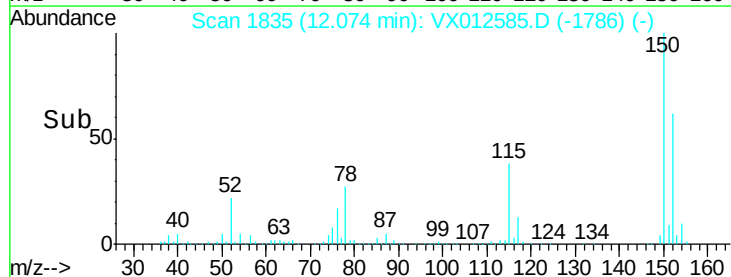
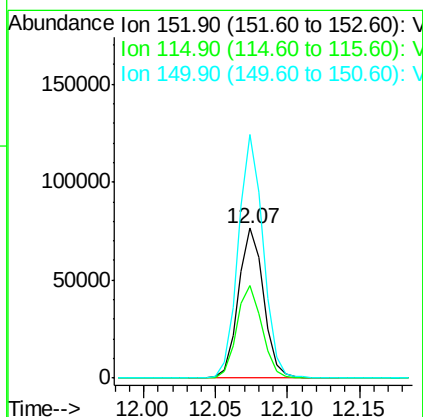
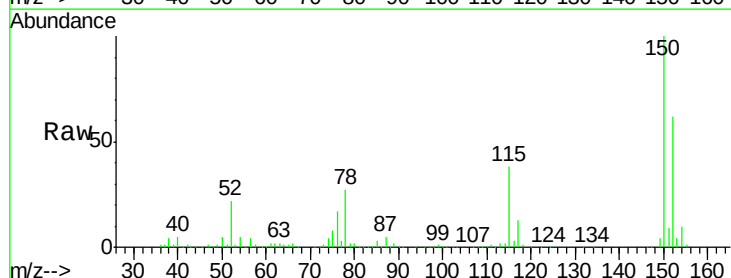
Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190916

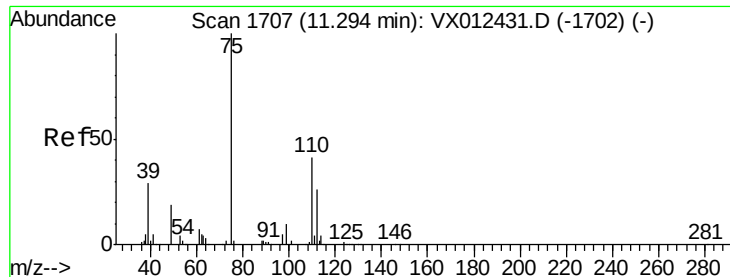
Tot Ion:117 Resp: 236891
Ion Ratio Lower Upper
117 100
82 55.6 45.9 68.9
119 31.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012585.D
Acq: 21 Sep 2019 02:52

Tgt Ion:152 Resp: 93541
Ion Ratio Lower Upper
152 100
115 61.8 44.1 132.3
150 159.6 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 26.682 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

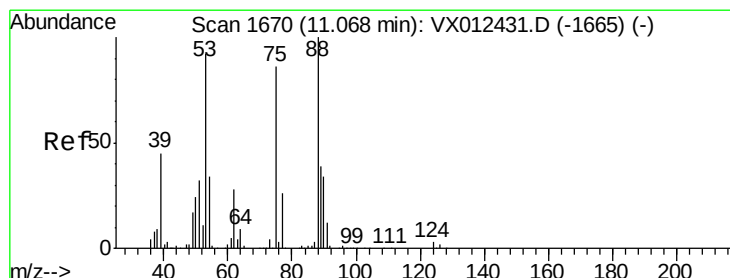
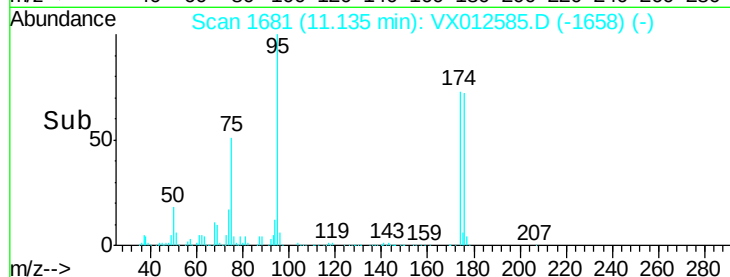
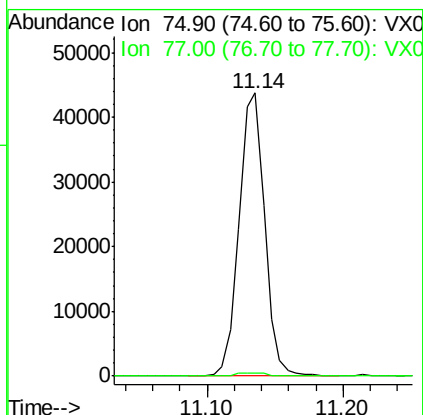
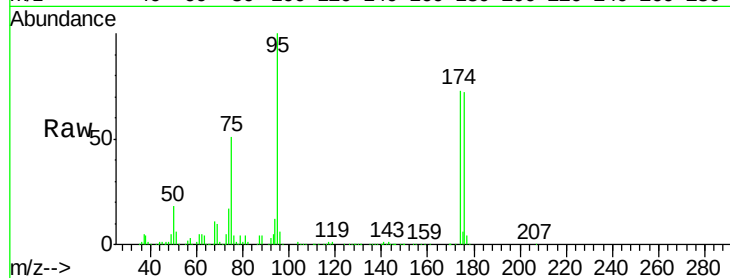
KY038PS038-190916

Tot Ion: 75 Resp: 57332

Ion Ratio Lower Upper

75 100

77 1.5 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.812 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012585.D

Acq: 21 Sep 2019 02:52

Tgt Ion: 75 Resp: 57332

Ion Ratio Lower Upper

75 100

53 0.2 83.6 125.4#

89 0.0 36.3 54.5#

