

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX073019\
 Data File : VX011226.D
 Acq On : 31 Jul 2019 04:11
 Operator : JC/SP
 Sample : PB121803ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#06

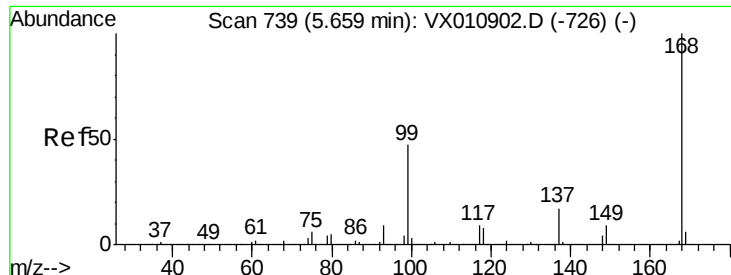
Quant Time: Jul 31 08:48:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	295694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133569	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	112074	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	5.50	113	96023	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
50) Toluene-d8	8.71	98	388904	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	126302	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.23	85	44	0.564	ug/l #	43
5) Bromomethane	1.65	94	316	0.266	ug/l	96
13) Acrolein	2.29	56	138	0.428	ug/l #	53
16) Acetone	2.45	43	3974	3.676	ug/l	99
18) Methyl Acetate	2.78	43	1523	0.619	ug/l #	86
20) Methylene Chloride	2.86	84	2442	1.066	ug/l	96
25) 2-Butanone	4.68	43	706	0.455	ug/l #	67
29) Tetrahydrofuran	5.15	42	490	0.498	ug/l #	64
36) 1,1-Dichloropropene	5.66	75	15569	5.803	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21081	7.540	ug/l #	17
43) Isopropyl Acetate	6.45	43	11109	2.459	ug/l	97
48) Methyl methacrylate	7.68	41	5095	2.315	ug/l #	10
49) 1,4-Dioxane	7.87	88	155	2.518	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	56711	19.366	ug/l #	48
54) cis-1,3-Dichloropropene	8.61	75	28749	9.030	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	7087	2.010	ug/l #	43
59) 2-Hexanone	9.54	43	90076	39.657	ug/l #	51
60) Dibromochloromethane	9.30	129	47	2.545	ug/l #	11
74) N-amyl acetate	10.69	43	8988	2.606	ug/l #	56
76) 1,2,3-Trichloropropane	11.13	75	64271	26.665	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	5358	0.710	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	64271	66.160	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

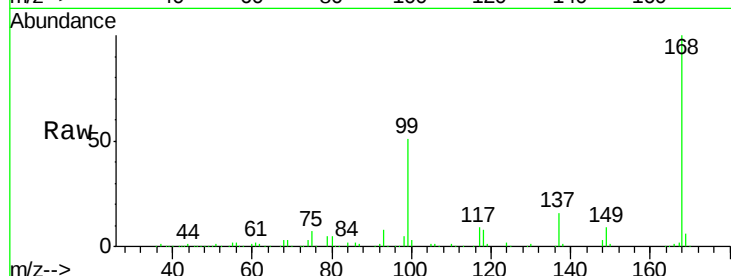
PB121803ZHE#06

Tgt Ion:168 Resp: 225017

Ion Ratio Lower Upper

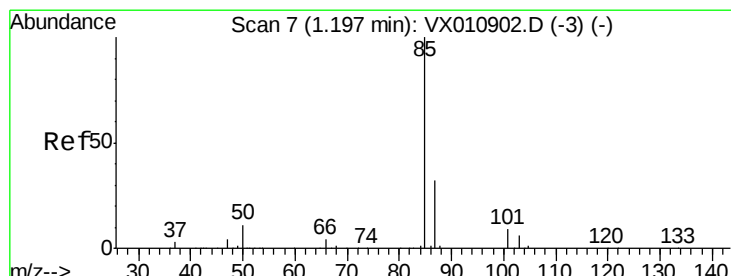
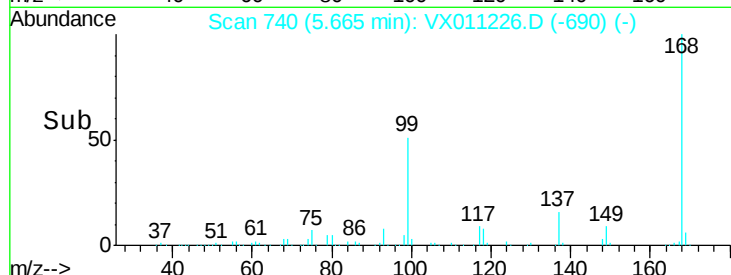
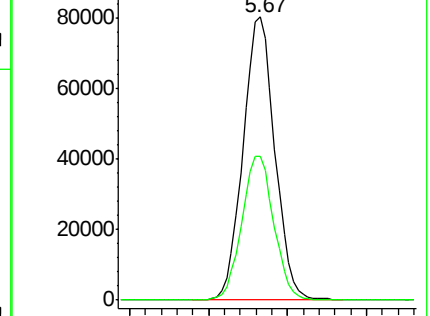
168 100

99 50.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.564 ug/l

RT: 1.23 min Scan# 12

Delta R.T. 0.03 min

Lab File: VX011226.D

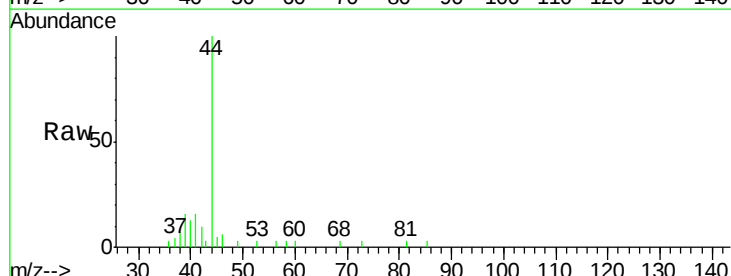
Acq: 31 Jul 2019 04:11

Tgt Ion: 85 Resp: 44

Ion Ratio Lower Upper

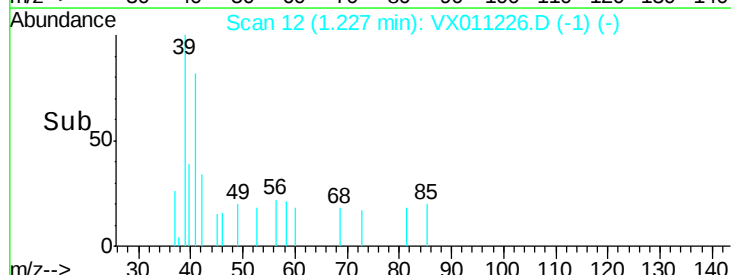
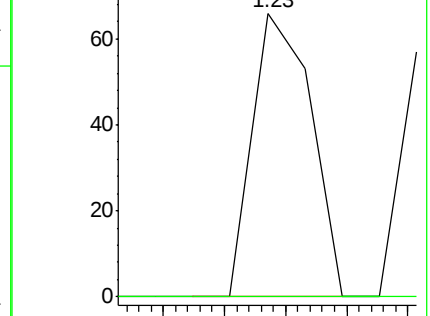
85 100

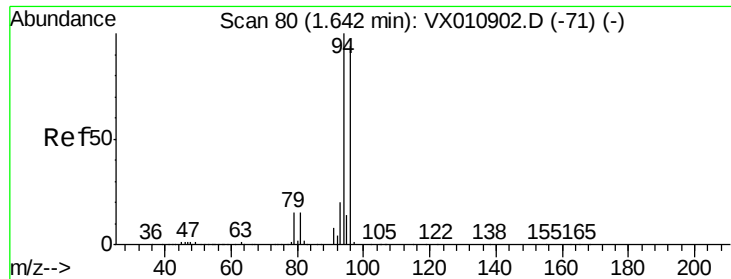
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

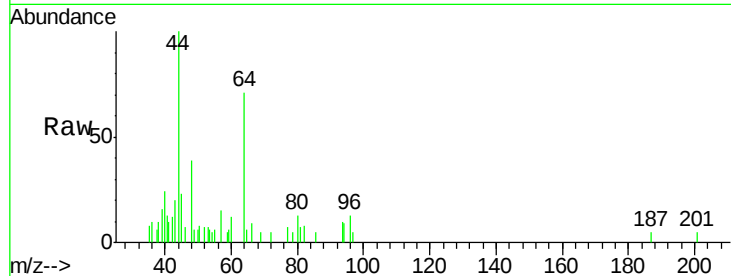
PB121803ZHE#06

Tgt Ion: 94 Resp: 316

Ion Ratio Lower Upper

94 100

96 90.2 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

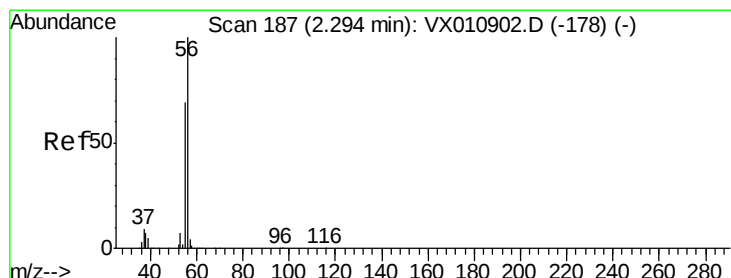
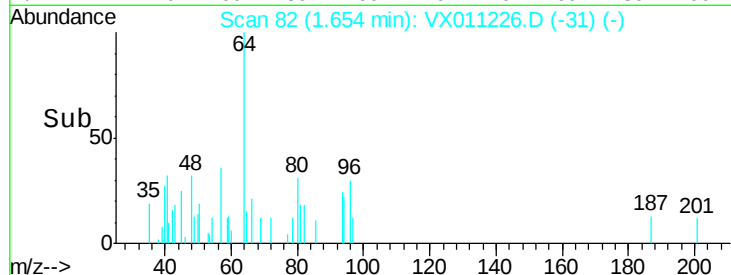
150

100

50

0

Time--> 1.60 1.65 1.70



#13

Acrolein

Concen: 0.428 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX011226.D

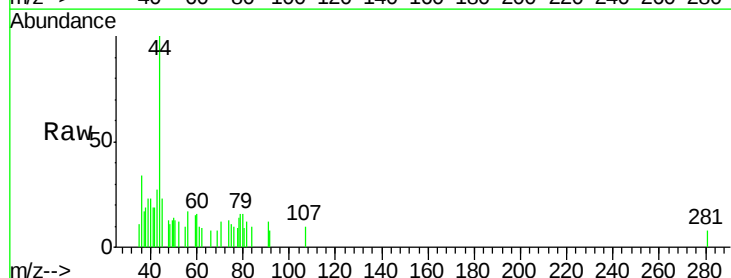
Acq: 31 Jul 2019 04:11

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 108.7 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

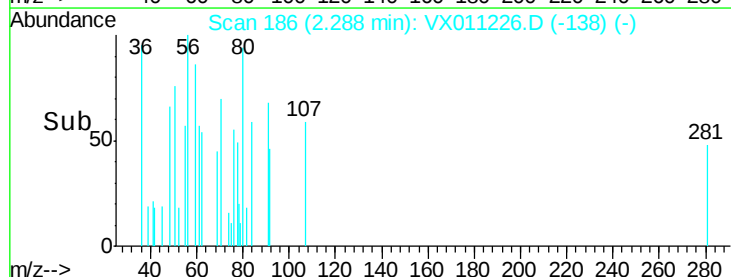
150

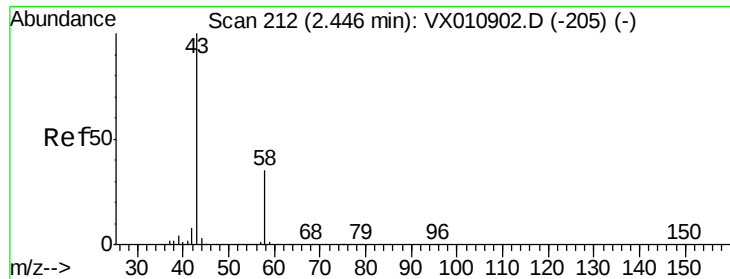
100

50

0

Time--> 2.28 2.30 2.32





#16

Acetone

Concen: 3.676 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

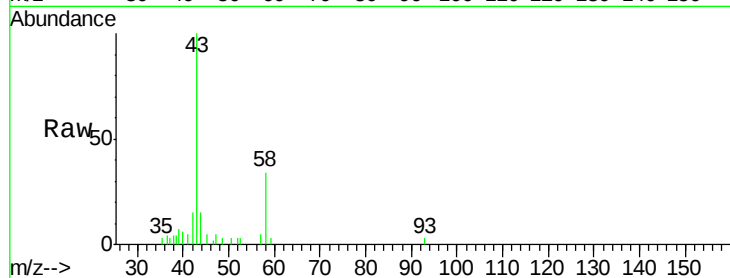
PB121803ZHE#06

Tgt Ion: 43 Resp: 3974

Ion Ratio Lower Upper

43 100

58 35.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

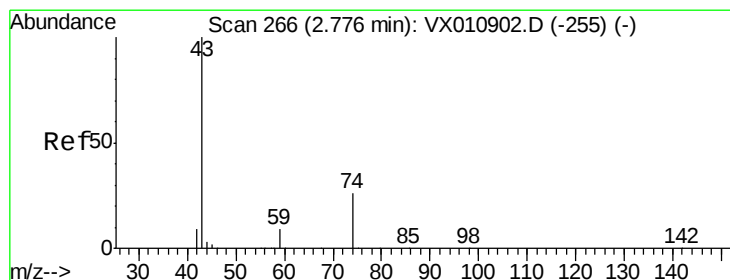
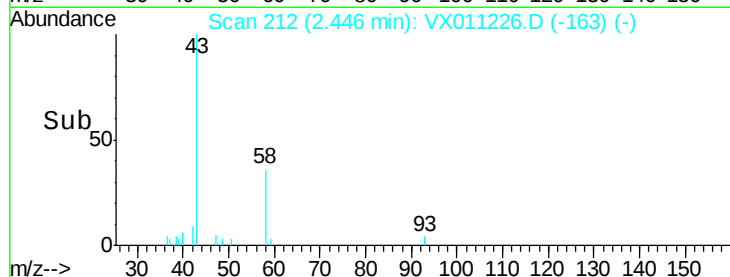
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.619 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX011226.D

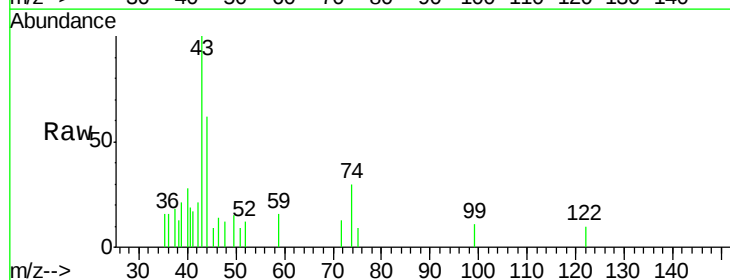
Acq: 31 Jul 2019 04:11

Tgt Ion: 43 Resp: 1523

Ion Ratio Lower Upper

43 100

74 34.3 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

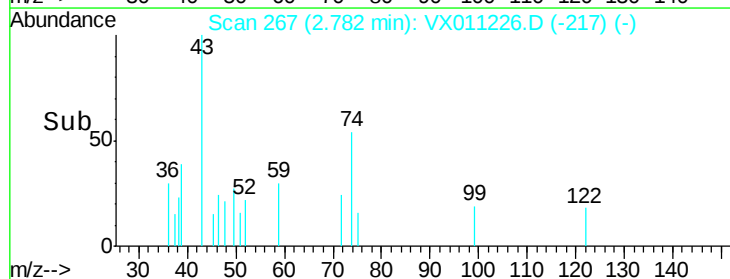
600

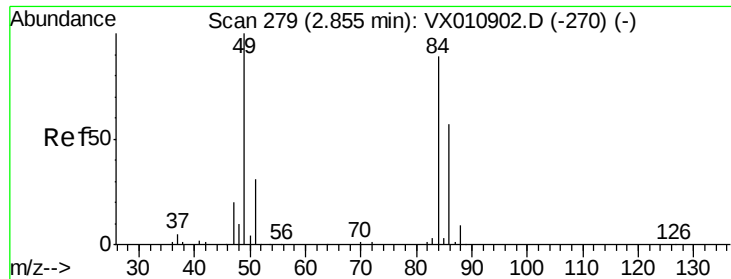
400

200

0

Time--> 2.70 2.75 2.80 2.85



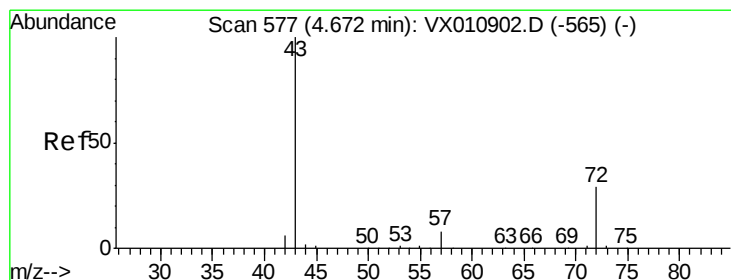
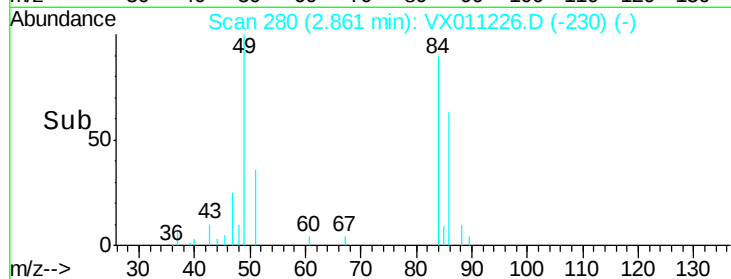
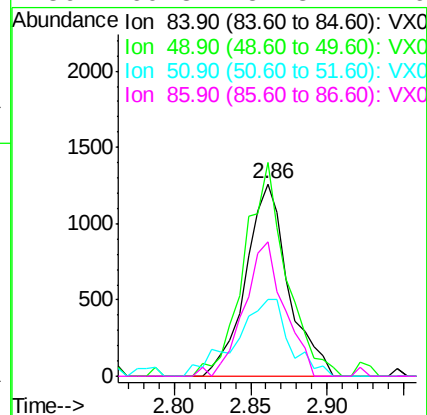
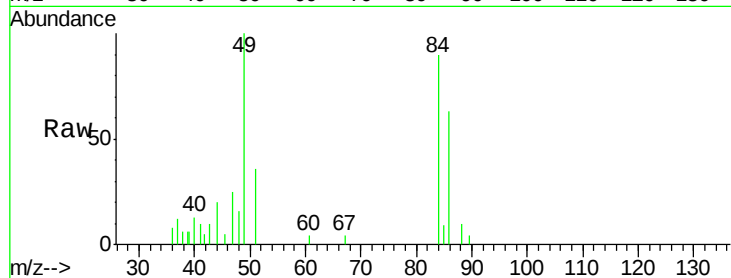


#20
Methylene Chloride
Concen: 1.066 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011226.D
Acq: 31 Jul 2019 04:11

Instrument :
MSVOA_X
ClientSampleId :
PB121803ZHE#06

Tgt Ion: 84 Resp: 2442

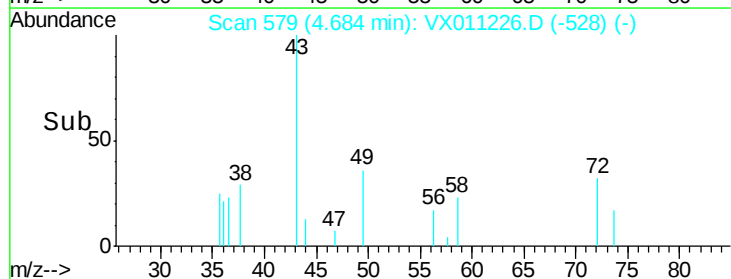
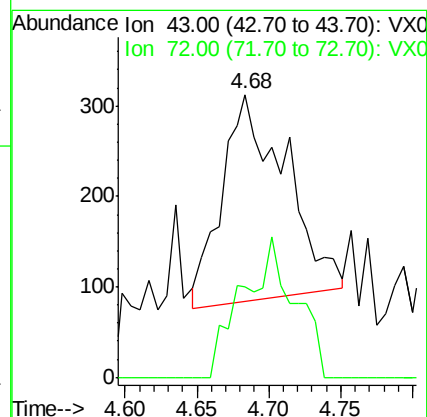
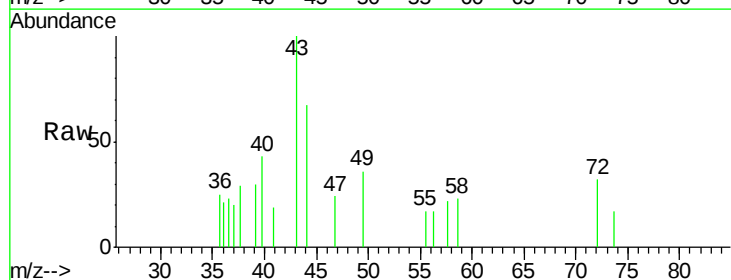
Ion	Ratio	Lower	Upper
84	100		
49	111.1	89.9	134.9
51	40.0	27.8	41.6
86	69.8	51.8	77.6

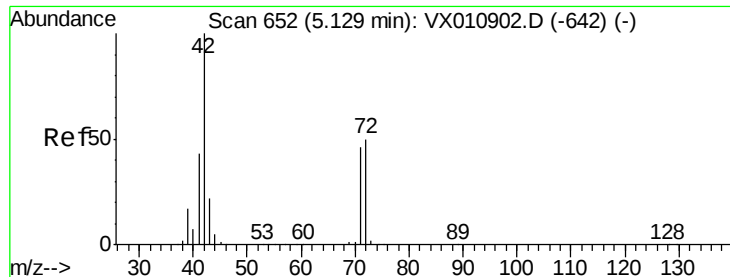


#25
2-Butanone
Concen: 0.455 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX011226.D
Acq: 31 Jul 2019 04:11

Tgt Ion: 43 Resp: 706

Ion	Ratio	Lower	Upper
43	100		
72	46.5	23.0	34.6#





#29

Tetrahydrofuran

Concen: 0.498 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#06

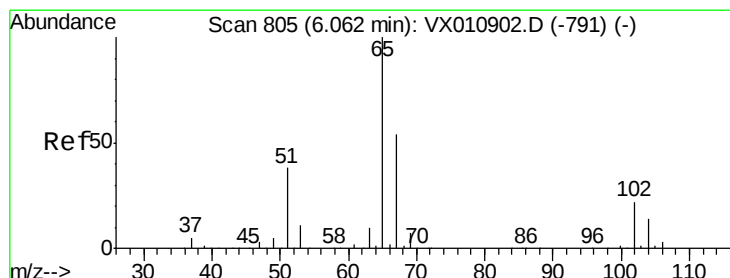
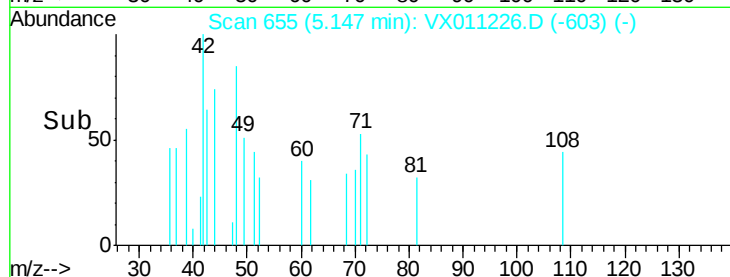
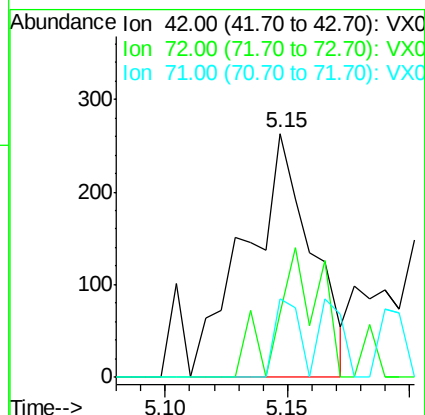
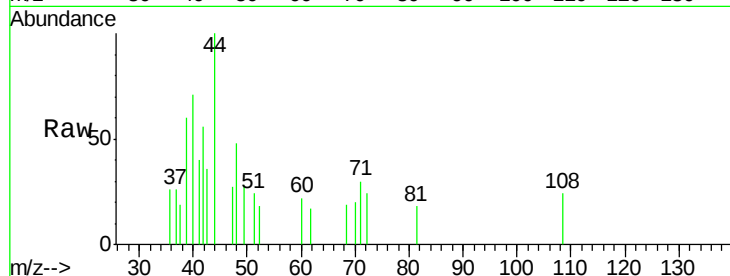
Tgt Ion: 42 Resp: 490

Ion Ratio Lower Upper

42 100

72 34.5 39.8 59.8#

71 12.0 37.0 55.4#



#33

1,2-Dichloroethane-d4

Concen: 46.818 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011226.D

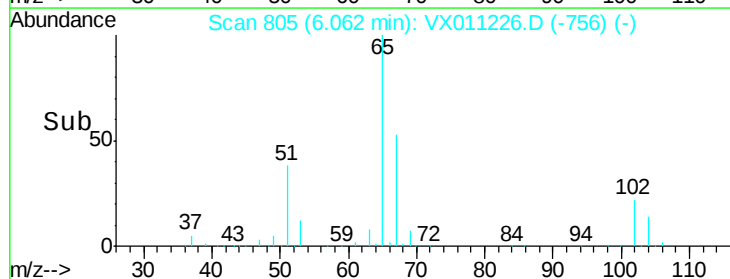
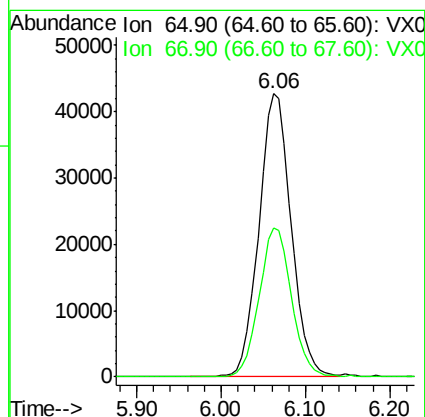
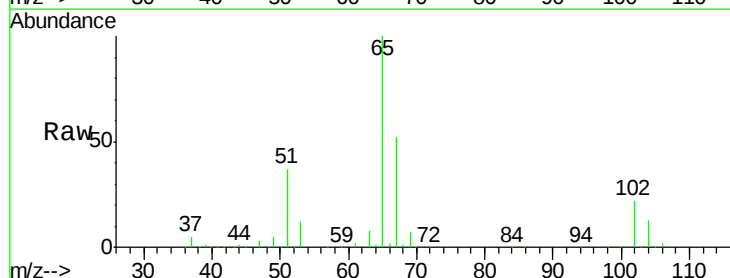
Acq: 31 Jul 2019 04:11

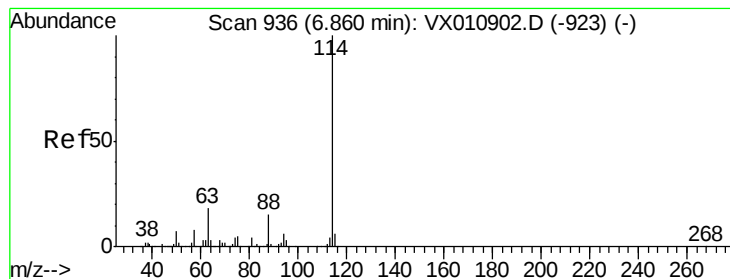
Tgt Ion: 65 Resp: 112074

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#06

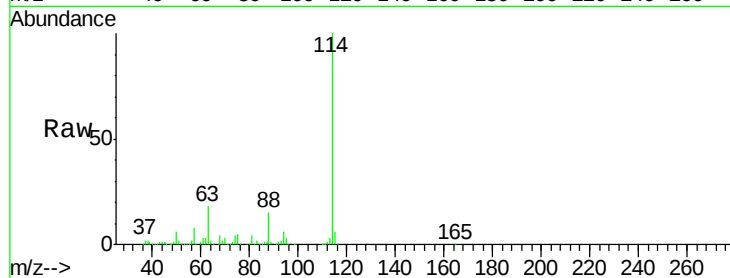
Tgt Ion:114 Resp: 326644

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

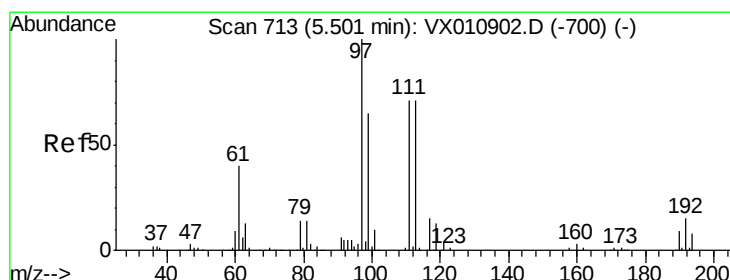
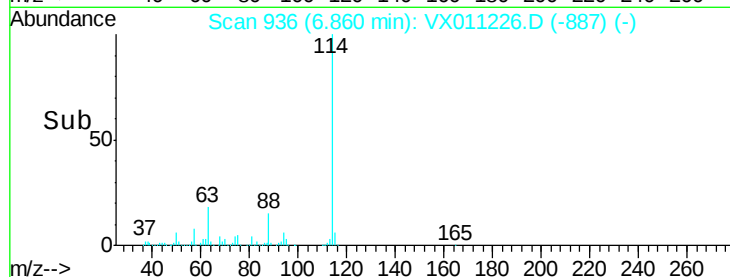
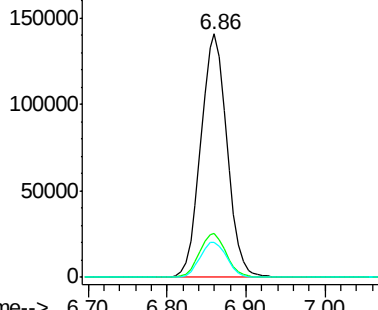
88 14.5 0.0 29.8



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: 46.315 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

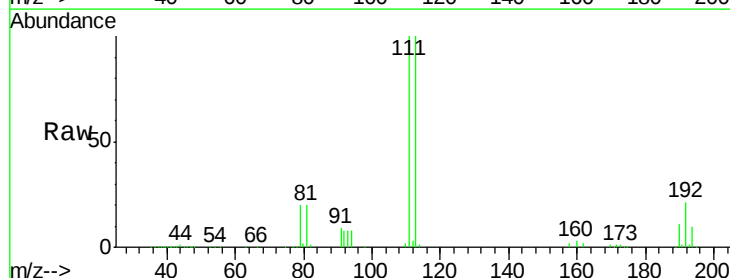
Tgt Ion:113 Resp: 96023

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

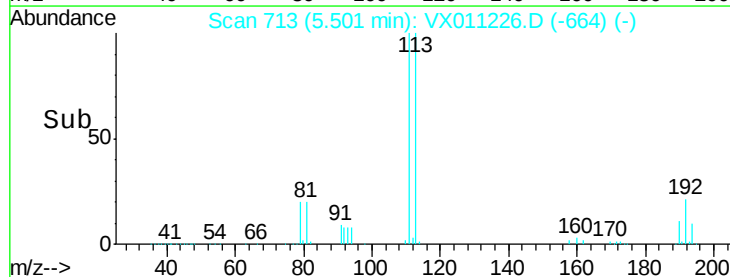
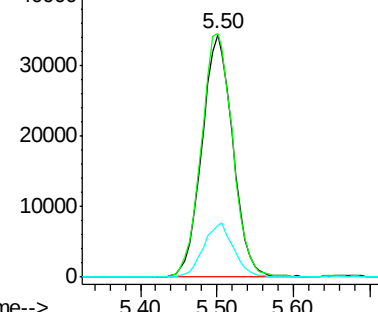
192 21.7 17.4 26.2

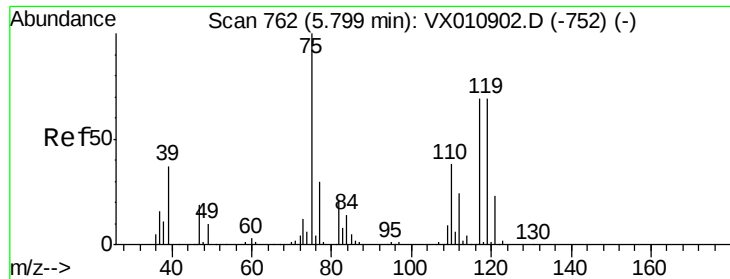


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

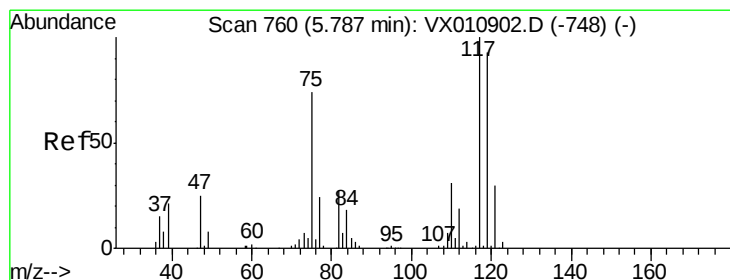
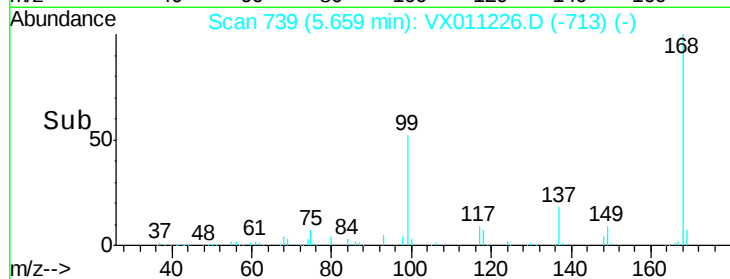
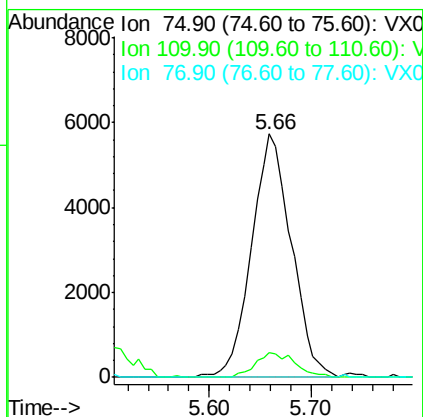
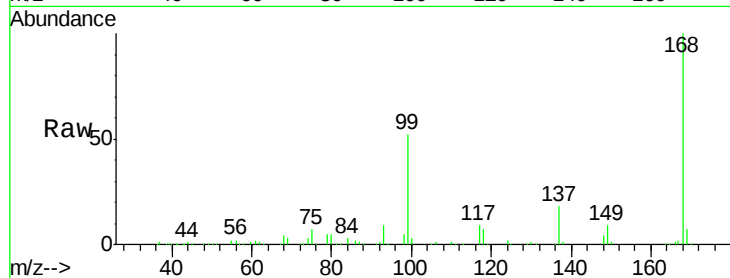




#36
 1,1-Dichloropropene
 Concen: 5.803 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

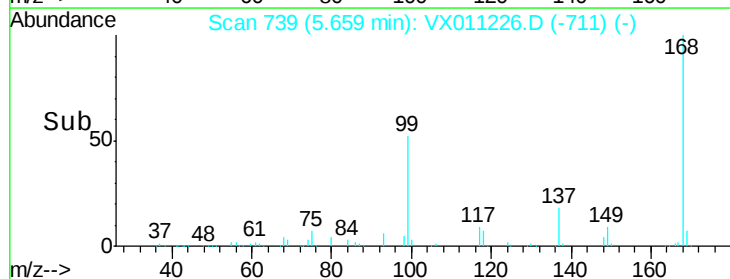
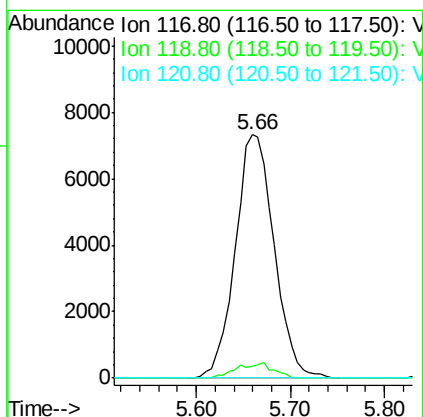
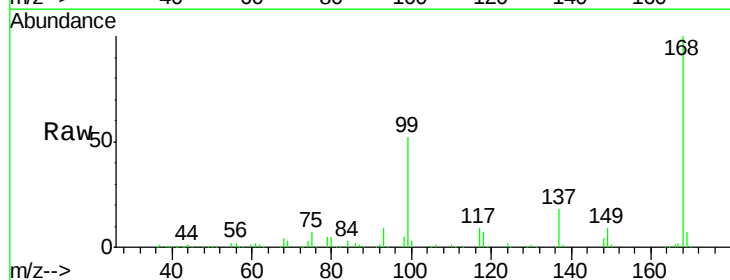
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#06

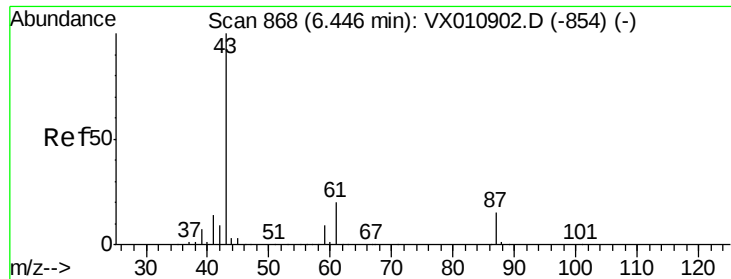
Tgt Ion: 75 Resp: 15569
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.9 59.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.540 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

Tgt Ion: 117 Resp: 21081
 Ion Ratio Lower Upper
 117 100
 119 5.0 74.2 111.2#
 121 0.0 24.2 36.2#

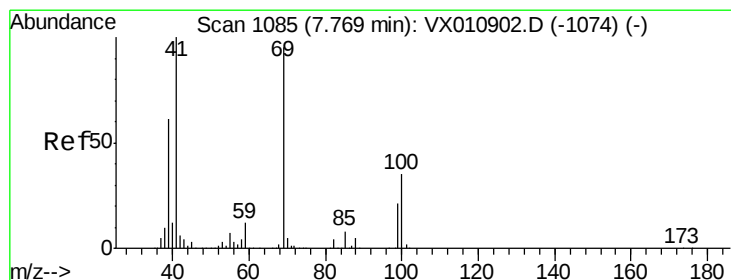
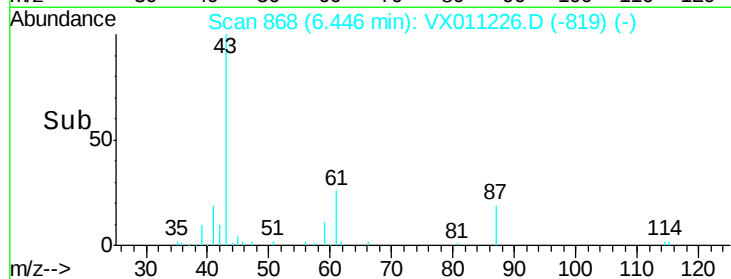
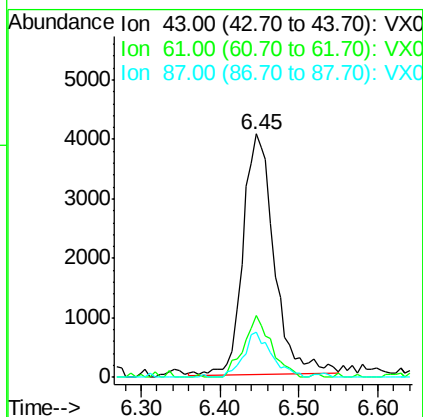
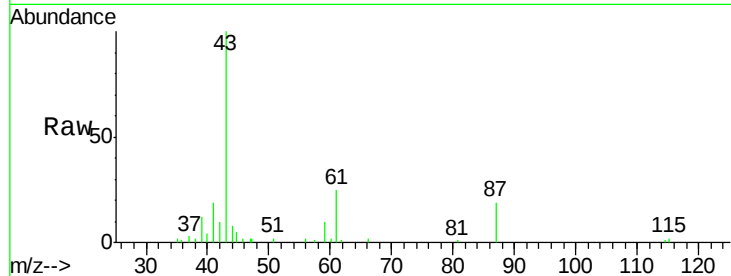




#43
Isopropyl Acetate
Concen: 2.459 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011226.D
Acq: 31 Jul 2019 04:11

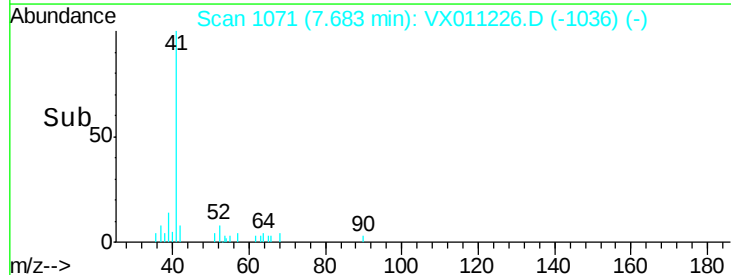
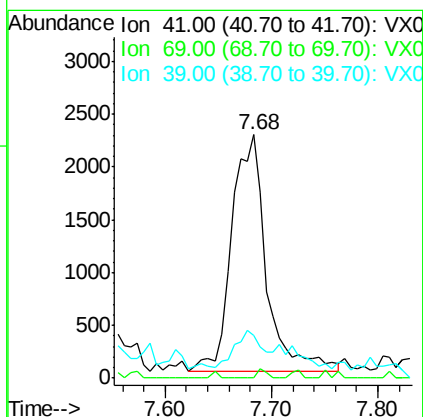
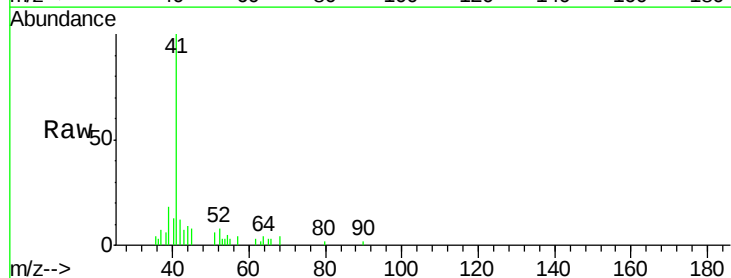
Instrument :
MSVOA_X
ClientSampleId :
PB121803ZHE#06

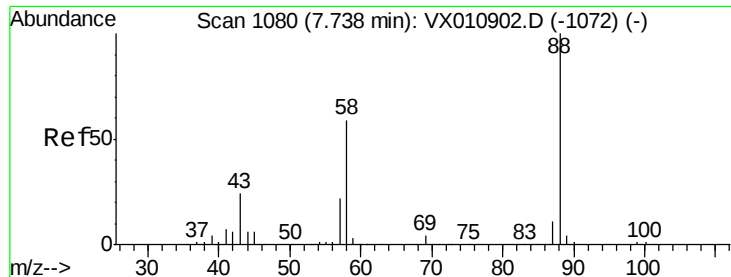
Tgt Ion: 43 Resp: 11109
Ion Ratio Lower Upper
43 100
61 22.4 17.1 25.7
87 16.6 12.0 18.0



#48
Methyl methacrylate
Concen: 2.315 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX011226.D
Acq: 31 Jul 2019 04:11

Tgt Ion: 41 Resp: 5095
Ion Ratio Lower Upper
41 100
69 1.0 74.4 111.6#
39 0.0 48.9 73.3#





#49

1,4-Dioxane

Concen: 2.518 ug/l

RT: 7.87 min Scan# 1101

Delta R.T. 0.13 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#06

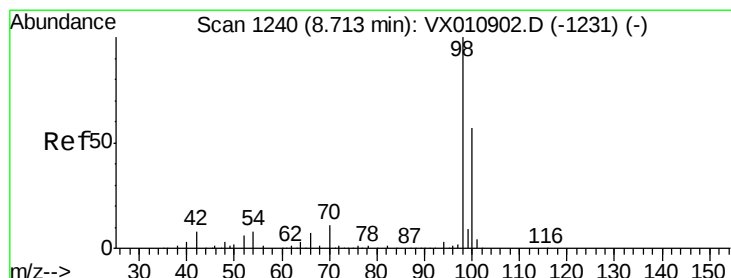
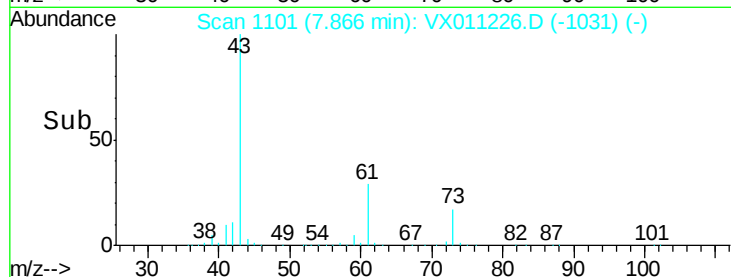
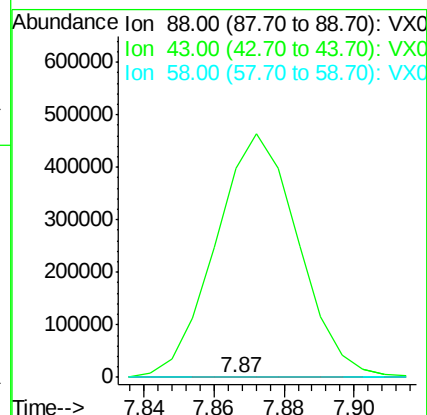
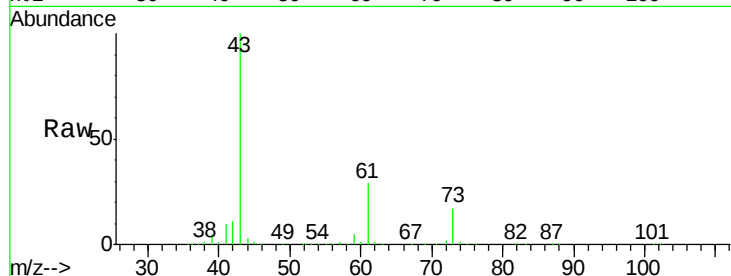
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 497156.1 22.9 34.3#

58 2500.6 49.8 74.8#



#50

Toluene-d8

Concen: 50.013 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011226.D

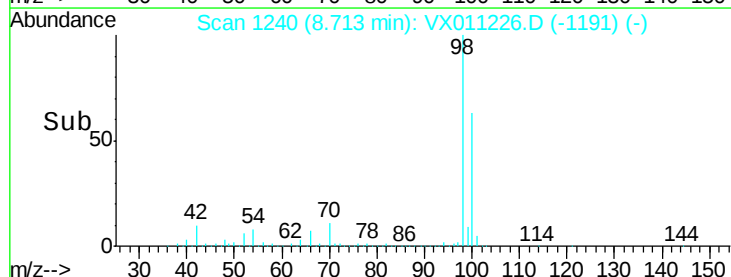
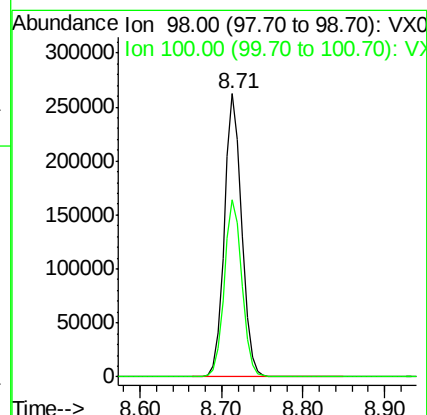
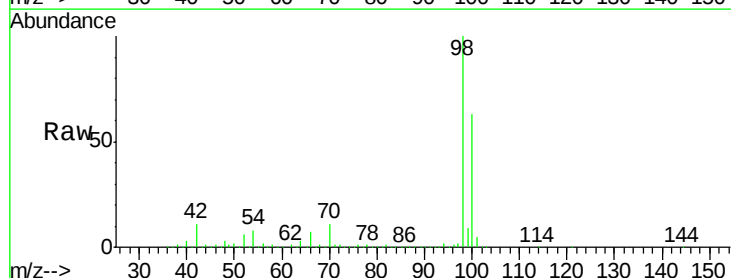
Acq: 31 Jul 2019 04:11

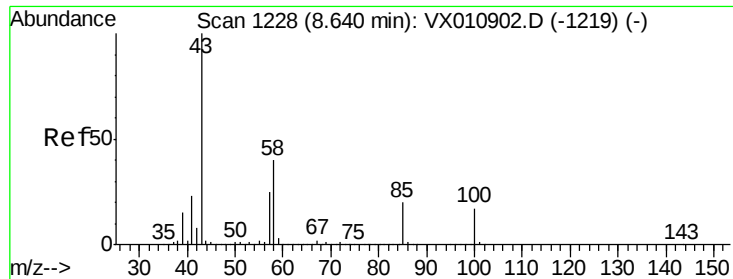
Tgt Ion: 98 Resp: 388904

Ion Ratio Lower Upper

98 100

100 63.6 50.6 75.8

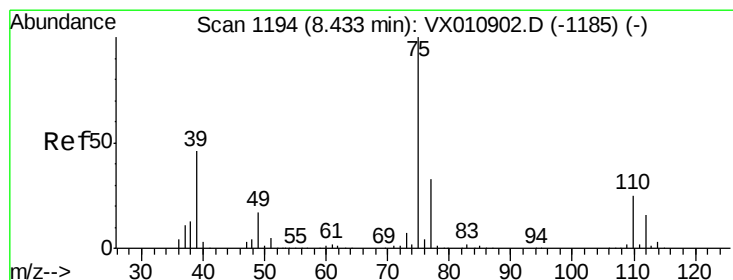
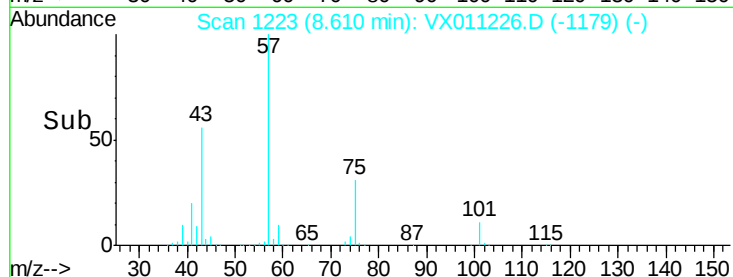
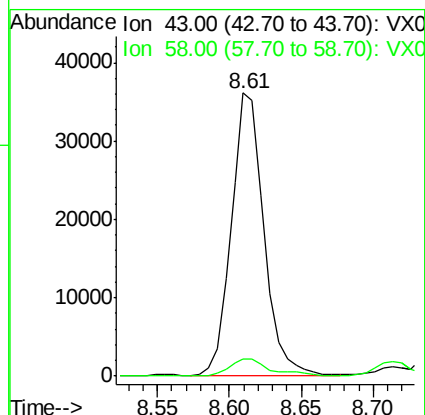
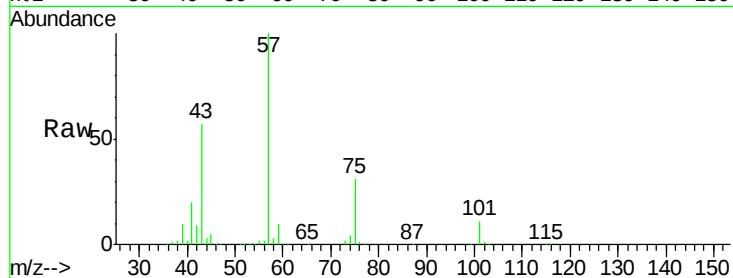




#51
 4-Methyl-2-Pentanone
 Concen: 19.366 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

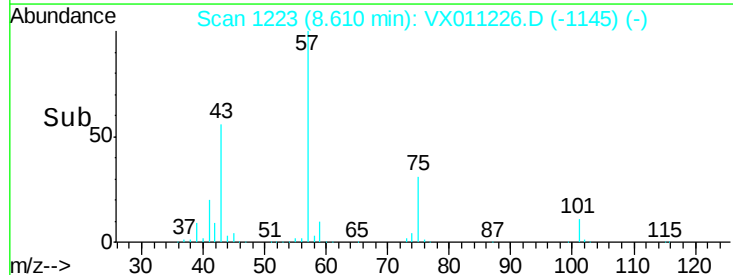
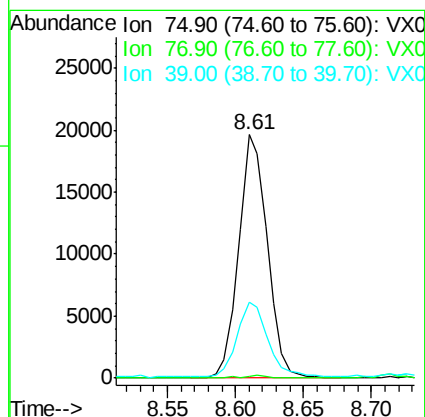
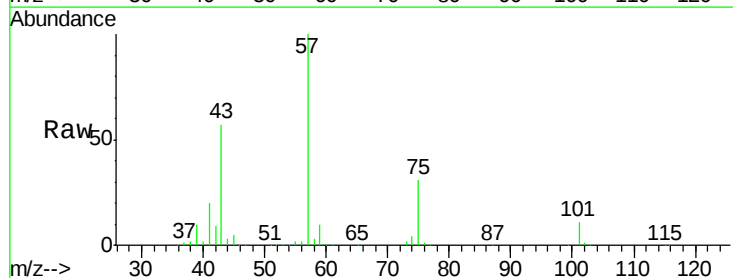
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#06

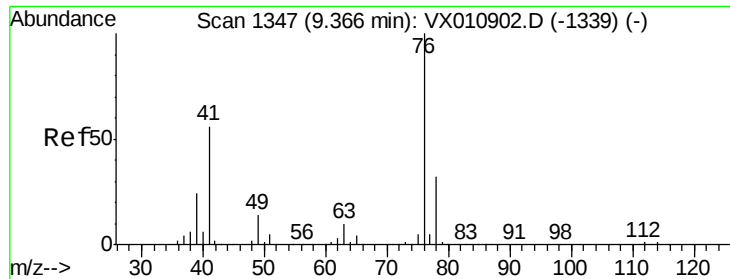
Tgt Ion: 43 Resp: 56711
 Ion Ratio Lower Upper
 43 100
 58 7.9 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 9.030 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

Tgt Ion: 75 Resp: 28749
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 30.8 36.6 54.8#

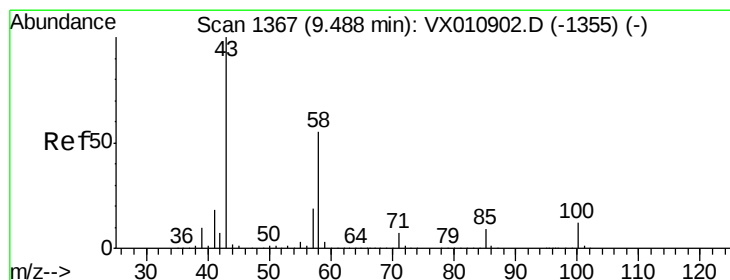
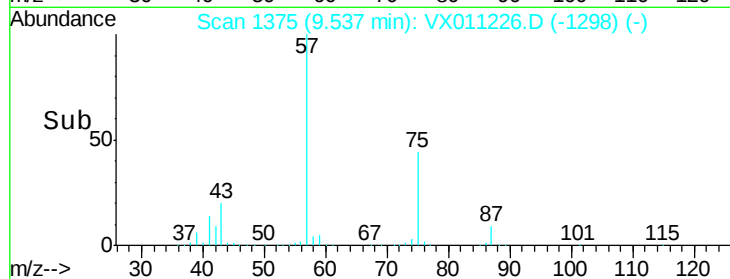
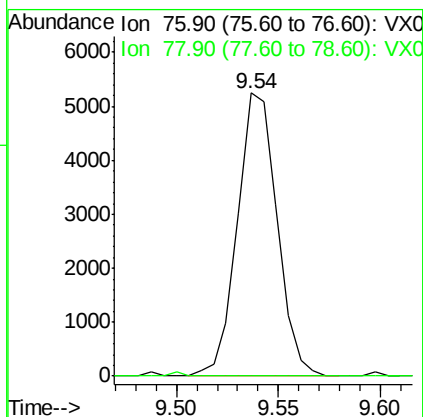
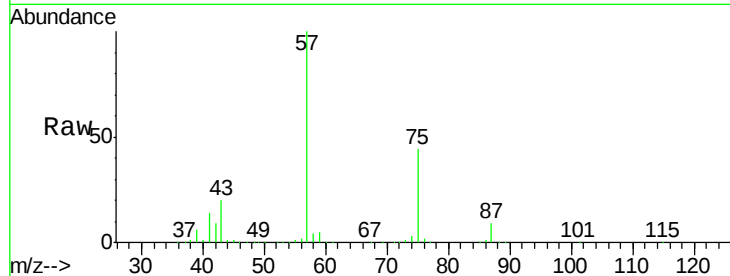




#57
 1,3-Dichloropropane
 Concen: 2.010 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.17 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

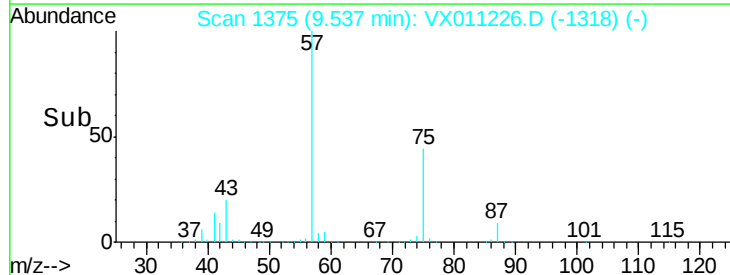
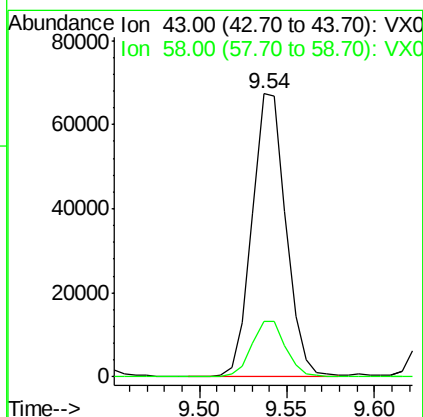
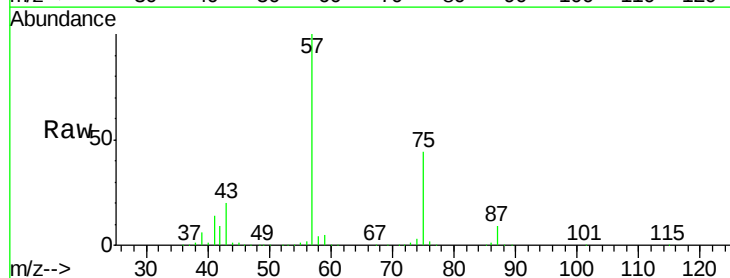
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#06

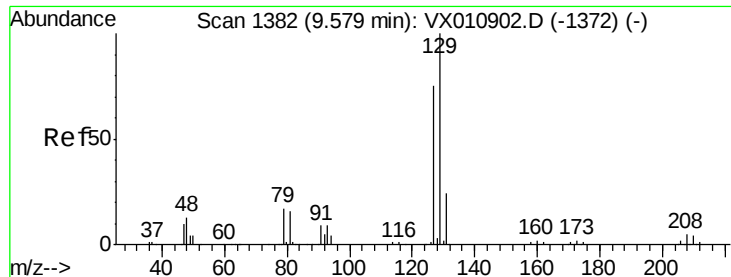
Tgt Ion: 76 Resp: 7087
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 39.657 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

Tgt Ion: 43 Resp: 90076
 Ion Ratio Lower Upper
 43 100
 58 20.1 28.0 83.9#





#60

Dibromochloromethane

Concen: 2.545 ug/l

RT: 9.30 min Scan# 1336

Delta R.T. -0.28 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

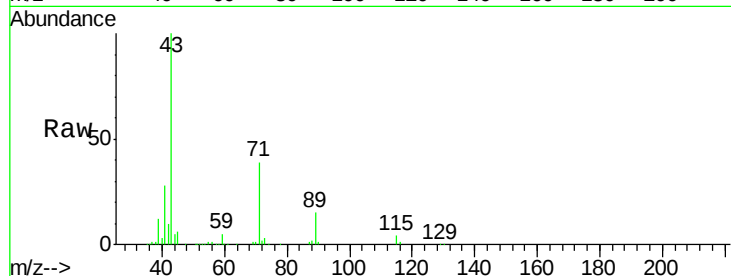
PB121803ZHE#06

Tgt Ion:129 Resp: 47

Ion Ratio Lower Upper

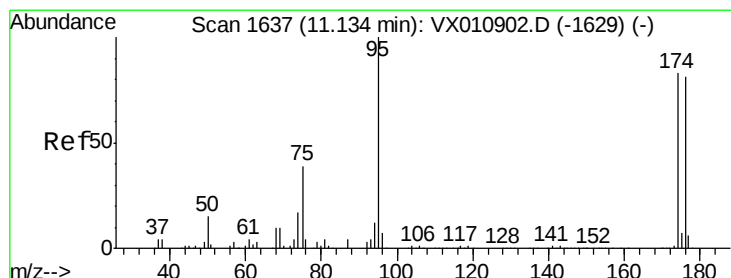
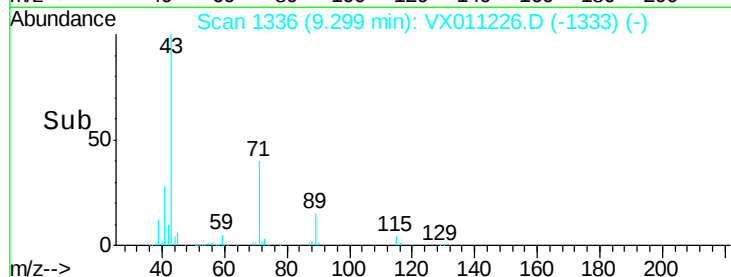
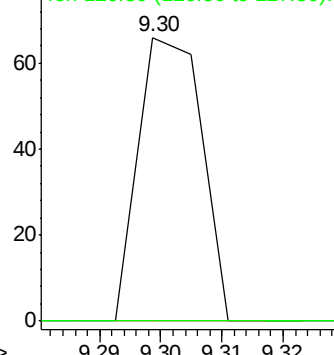
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.188 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

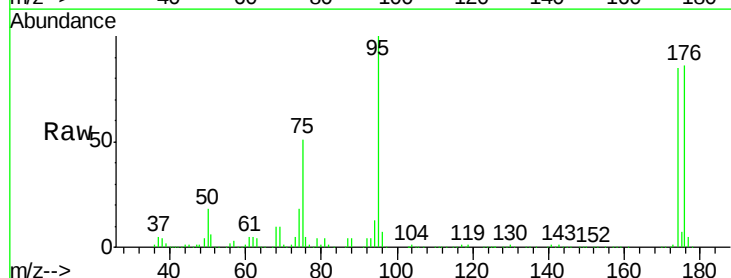
Tgt Ion: 95 Resp: 126302

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.6

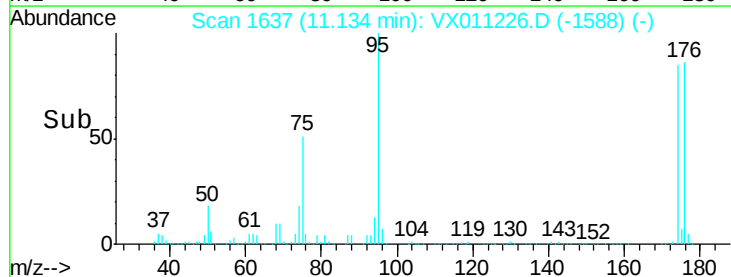
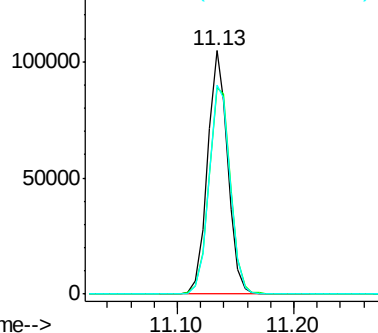
176 90.0 0.0 173.8

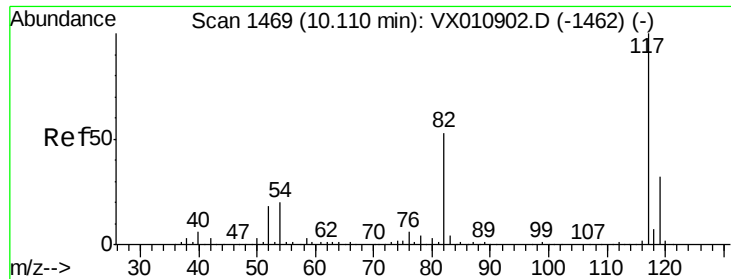


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#06

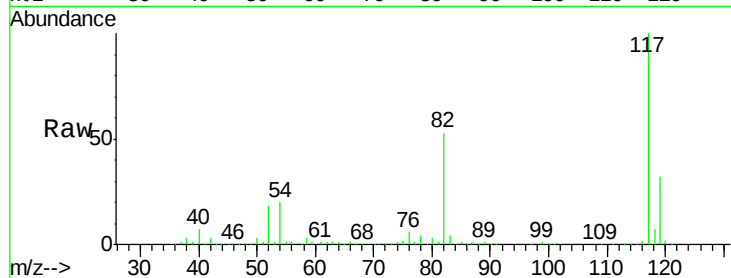
Tgt Ion:117 Resp: 295694

Ion Ratio Lower Upper

117 100

82 53.2 42.6 63.8

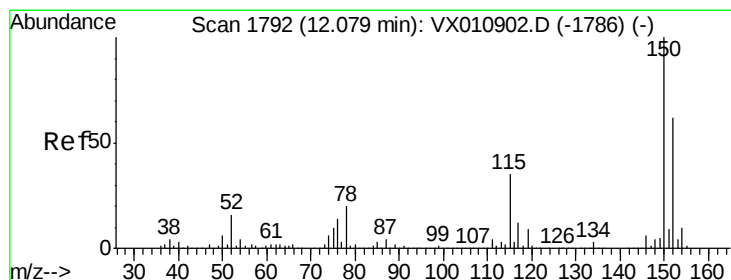
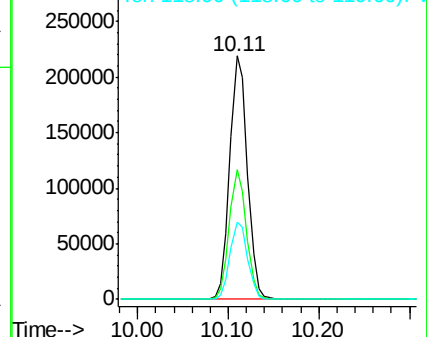
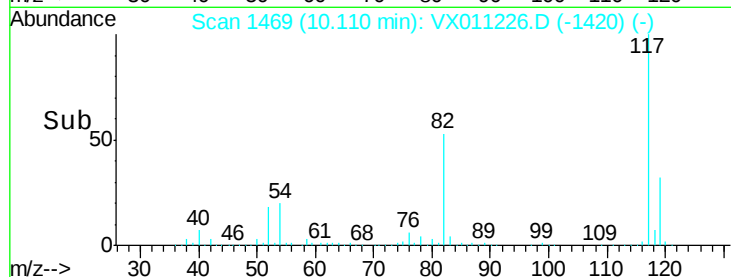
119 31.9 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

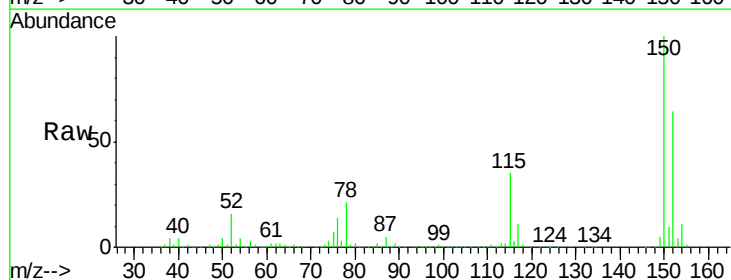
Tgt Ion:152 Resp: 133569

Ion Ratio Lower Upper

152 100

115 55.9 39.7 119.1

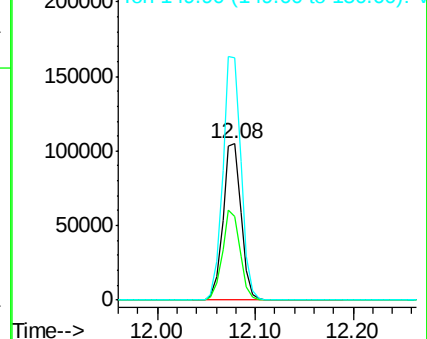
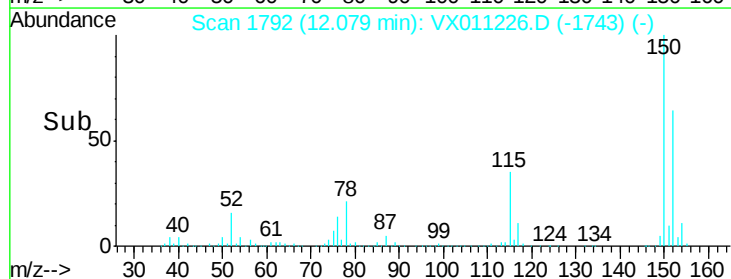
150 157.8 0.0 345.6

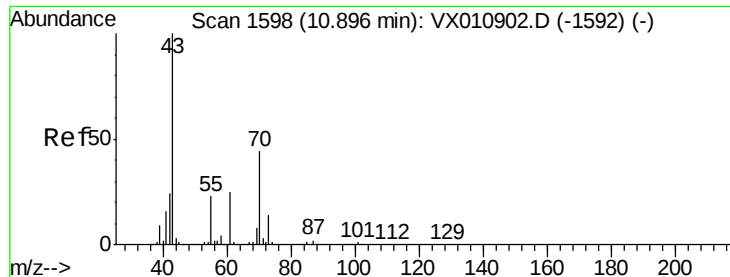


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 2.606 ug/l

RT: 10.69 min Scan# 1564

Delta R.T. -0.21 min

Lab File: VX011226.D

Acq: 31 Jul 2019 04:11

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#06

Tgt Ion: 43 Resp: 8988

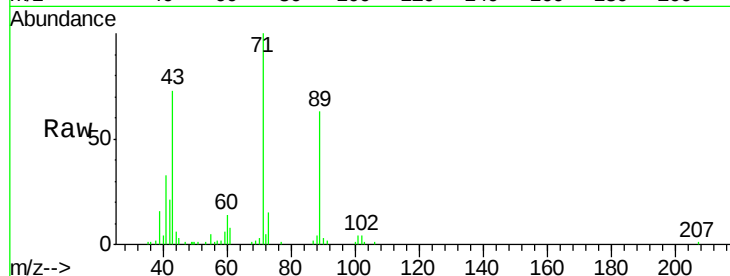
Ion Ratio Lower Upper

43 100

70 3.3 34.7 52.1#

55 8.0 19.1 28.7#

61 13.1 19.9 29.9#

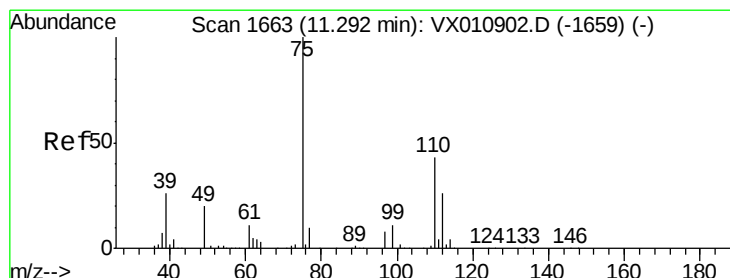
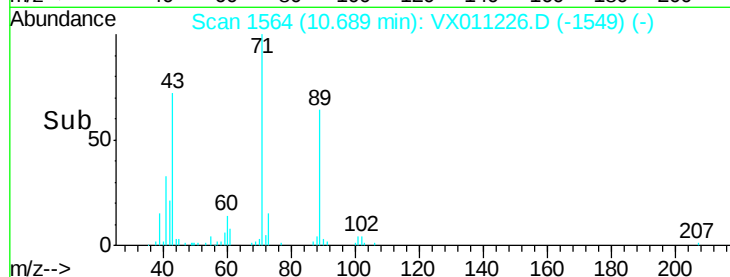
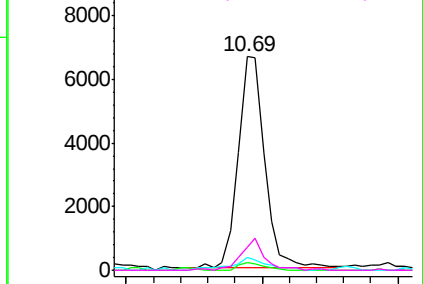


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 26.665 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011226.D

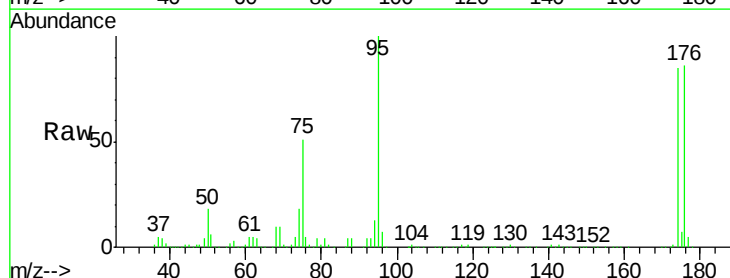
Acq: 31 Jul 2019 04:11

Tgt Ion: 75 Resp: 64271

Ion Ratio Lower Upper

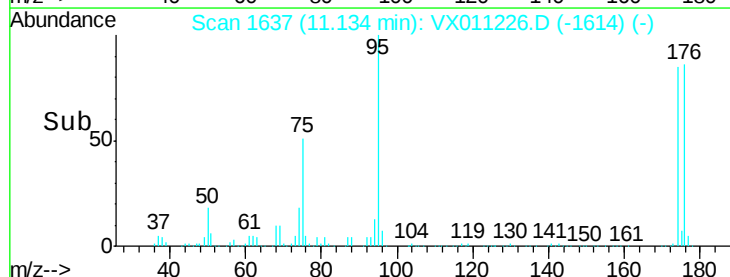
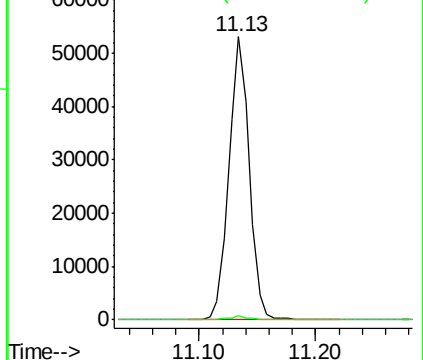
75 100

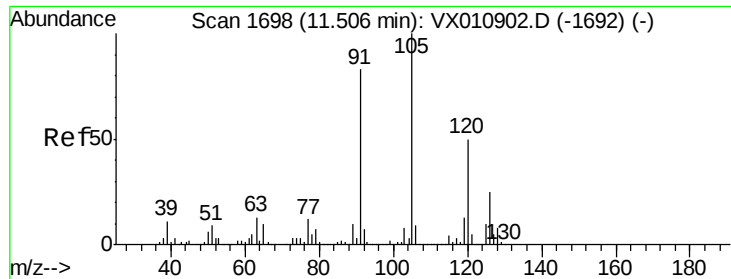
77 1.3 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

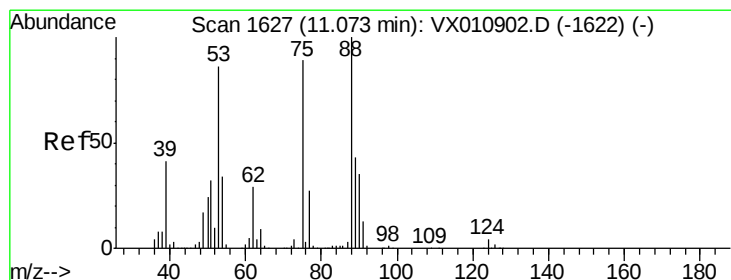
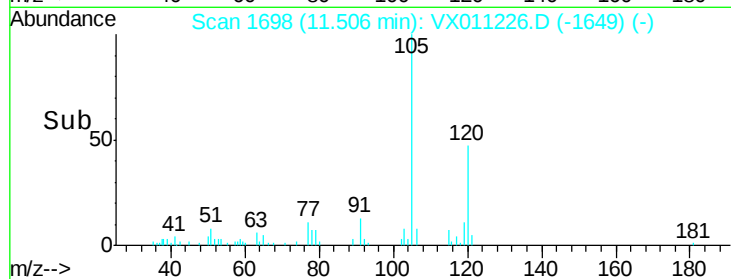
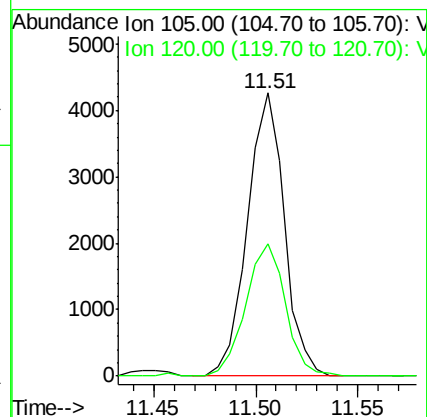
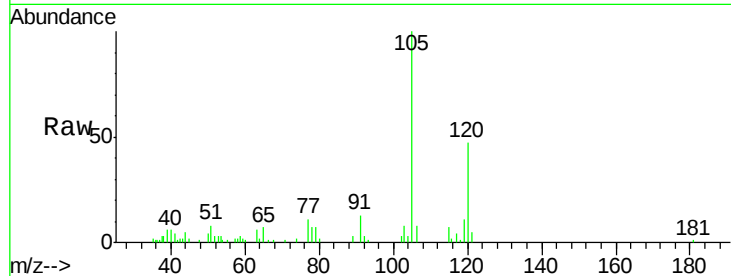




#80
 1,3,5-Trimethylbenzene
 Concen: 0.710 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#06

Tgt Ion:105 Resp: 5358
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.160 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011226.D
 Acq: 31 Jul 2019 04:11

Tgt Ion: 75 Resp: 64271
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.7 115.1#
 89 0.0 38.5 57.7#

