

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020519\
 Data File : VX007376.D
 Acq On : 05 Feb 2019 14:58
 Operator : JC/SP
 Sample : PB116824ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116824ZHE#02

Quant Time: Feb 06 00:17:42 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	481917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	765616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	732630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	355658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	267992	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.50	113	241163	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	8.71	98	942190	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.13	95	327415	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

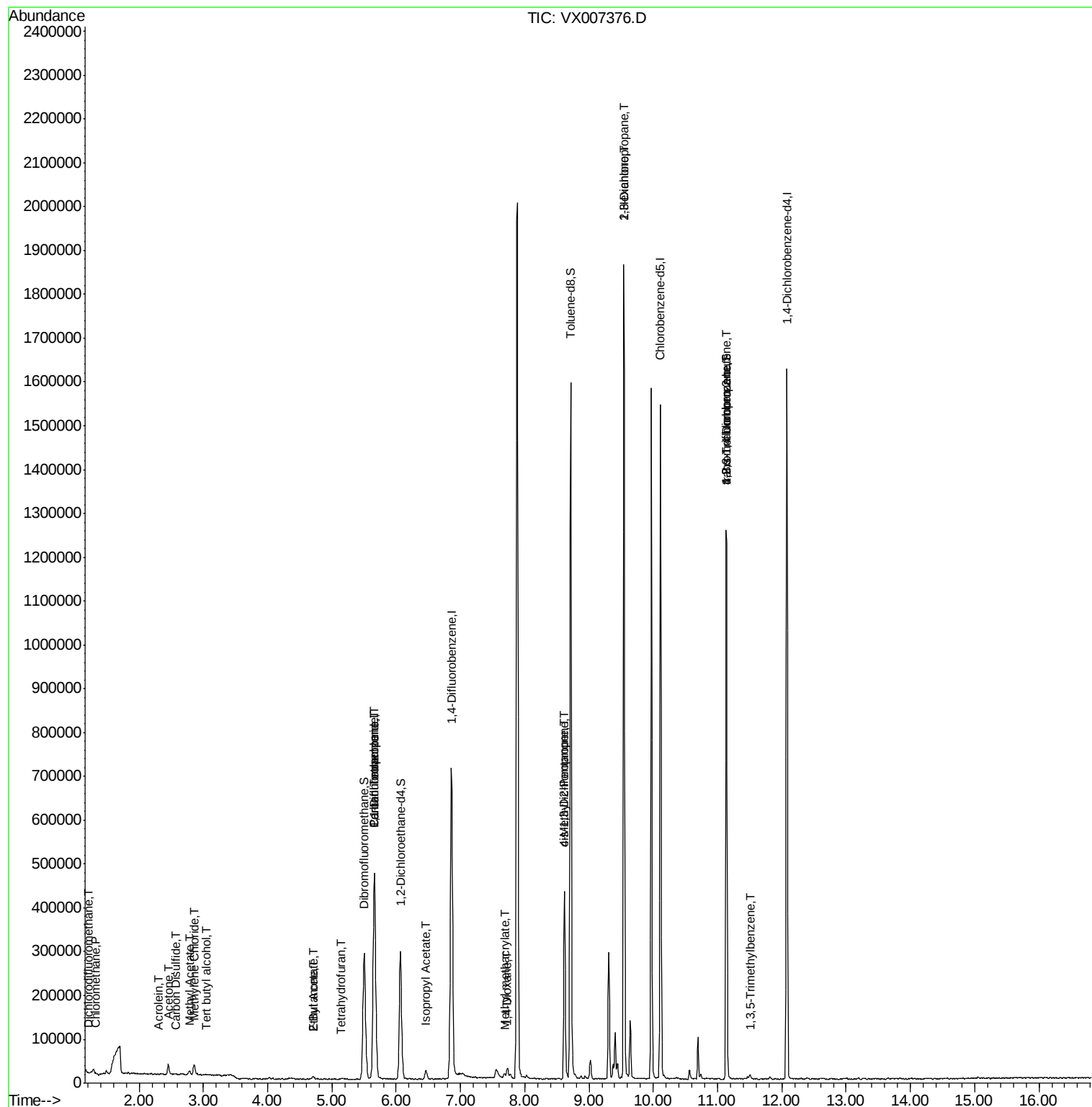
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	253	0.220	ug/l #	67
3) Chloromethane	1.32	50	1177	0.217	ug/l	94
5) Bromomethane	1.64	94	2126	Below Cal		97
11) Tert butyl alcohol	3.06	59	540	0.510	ug/l #	8
13) Acrolein	2.31	56	450	0.907	ug/l #	14
16) Acetone	2.45	43	26853	11.460	ug/l	91
17) Carbon Disulfide	2.56	76	2479	2.318	ug/l #	90
18) Methyl Acetate	2.78	43	10782	2.338	ug/l #	78
20) Methylene Chloride	2.85	84	10597	1.835	ug/l #	85
25) 2-Butanone	4.71	43	11201	3.359	ug/l #	85
29) Tetrahydrofuran	5.15	42	2305	1.099	ug/l #	89
36) 1,1-Dichloropropene	5.66	75	31074	4.524	ug/l #	49
37) Ethyl Acetate	4.71	43	11508	1.657	ug/l #	72
38) Carbon Tetrachloride	5.66	117	46008	6.904	ug/l #	17
43) Isopropyl Acetate	6.46	43	26143	2.439	ug/l	96
48) Methyl methacrylate	7.69	41	12818	2.391	ug/l #	12
49) 1,4-Dioxane	7.71	88	331	9.575	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	142680	20.221	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	69266	9.390	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	15689	1.813	ug/l #	45
59) 2-Hexanone	9.54	43	207539	37.798	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	156895	22.679	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	4488	0.227	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.13	75	156895	68.400	ug/l #	9

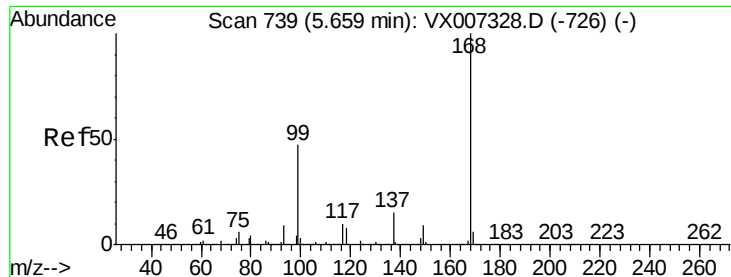
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

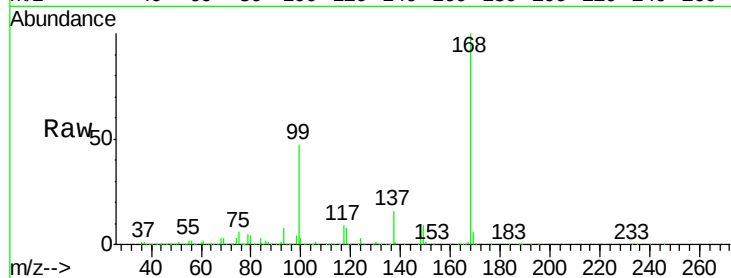
PB116824ZHE#02

Tot Ion:168 Resp: 481917

Ion Ratio Lower Upper

168 100

99 47.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

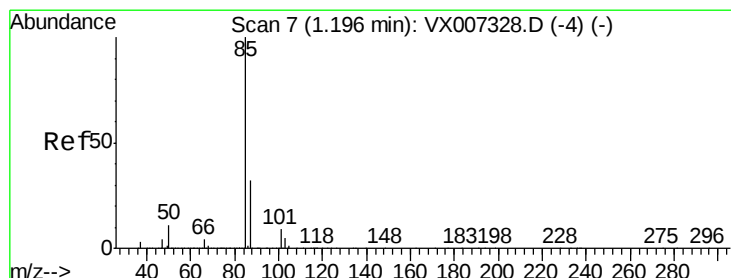
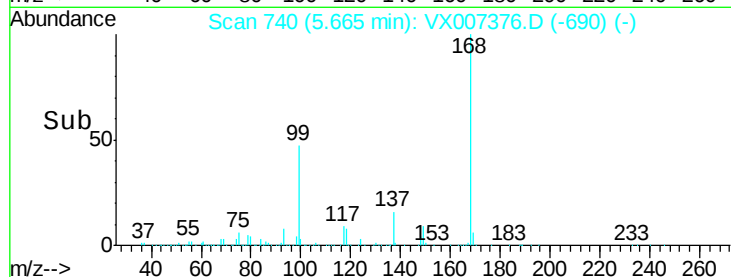
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.220 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007376.D

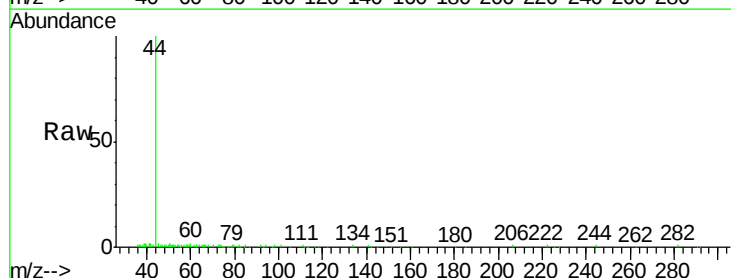
Acq: 05 Feb 2019 14:58

Tgt Ion: 85 Resp: 253

Ion Ratio Lower Upper

85 100

87 13.3 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

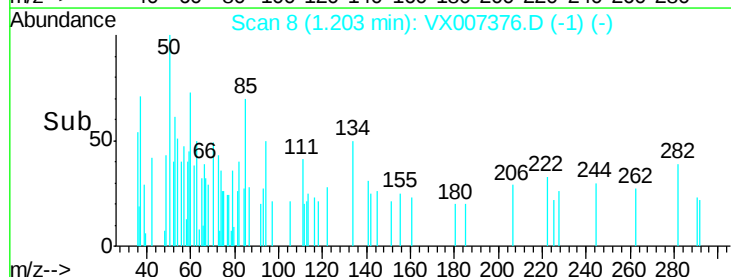
150

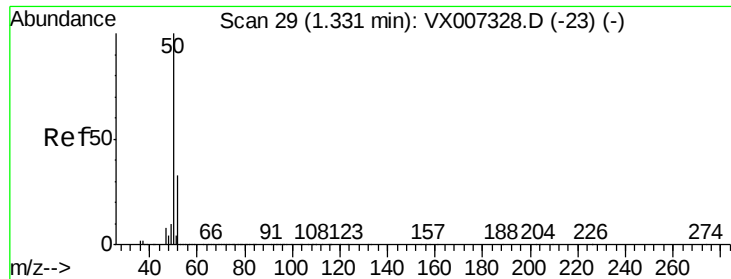
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

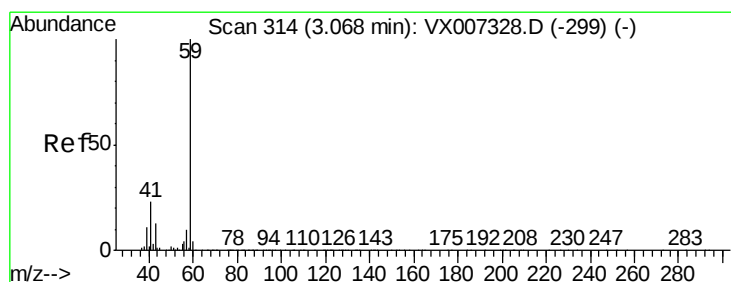
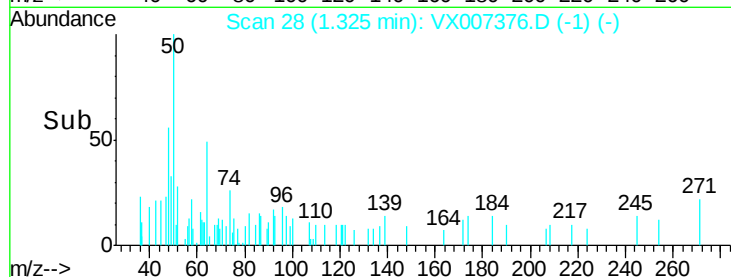
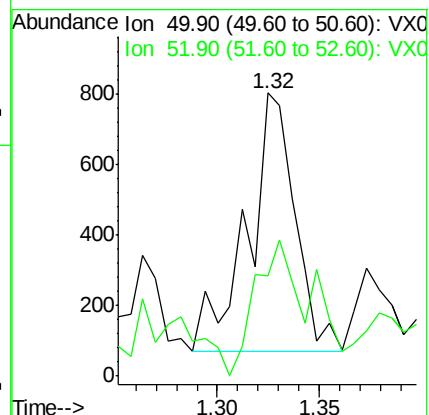
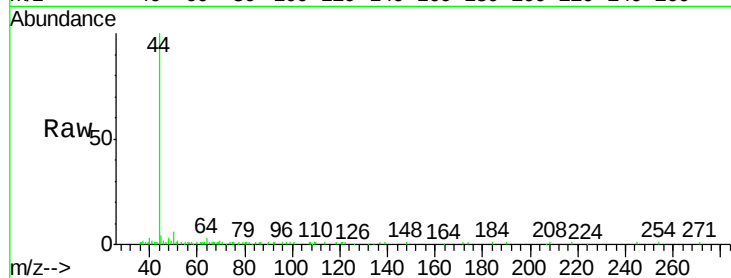
PB116824ZHE#02

Tot Ion: 50 Resp: 1177

Ion Ratio Lower Upper

50 100

52 29.3 26.1 39.1



#11

Tert butyl alcohol

Concen: 0.510 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.01 min

Lab File: VX007376.D

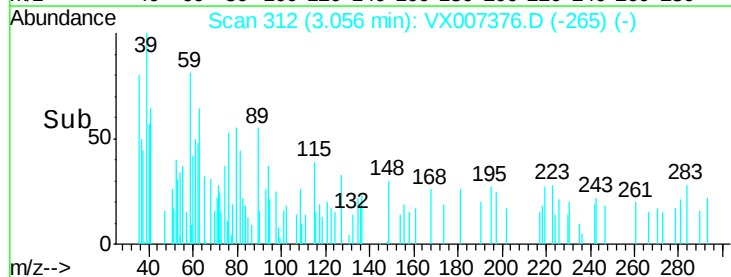
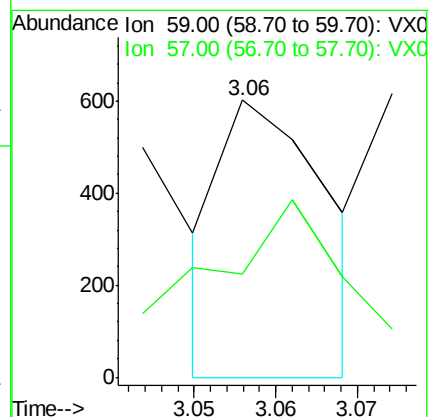
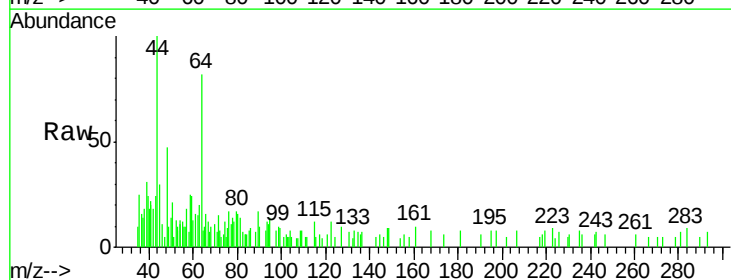
Acq: 05 Feb 2019 14:58

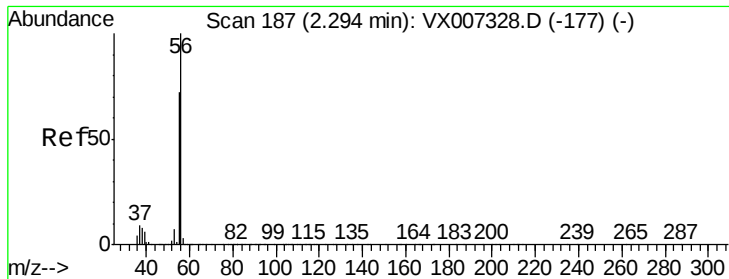
Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

59 100

57 44.3 8.1 12.1#

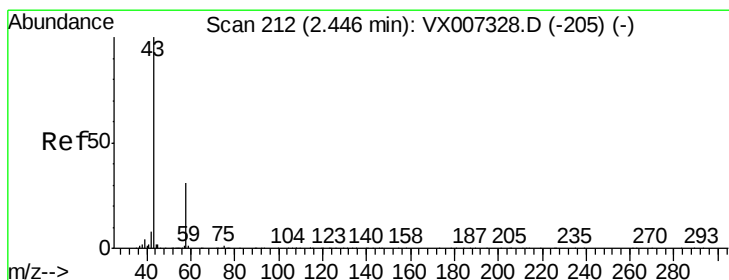
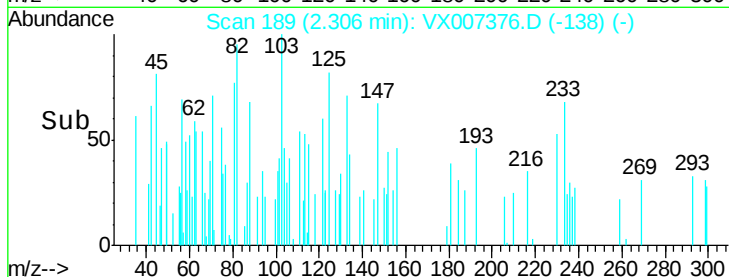
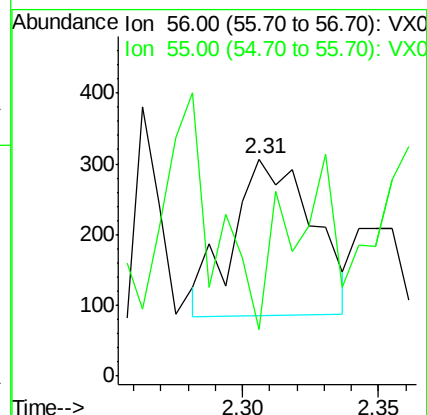
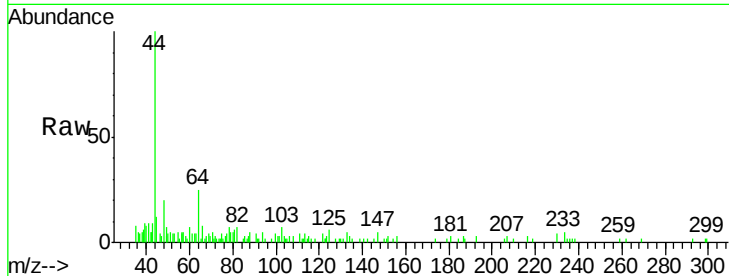




#13
Acrolein
Concen: 0.907 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

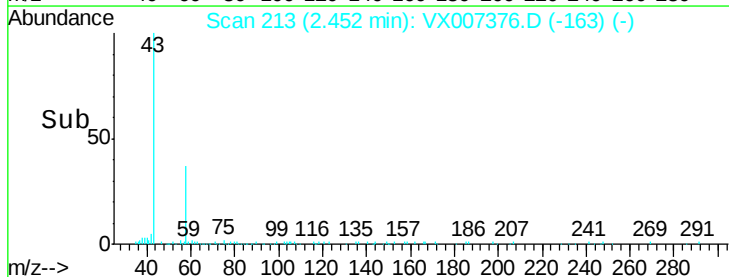
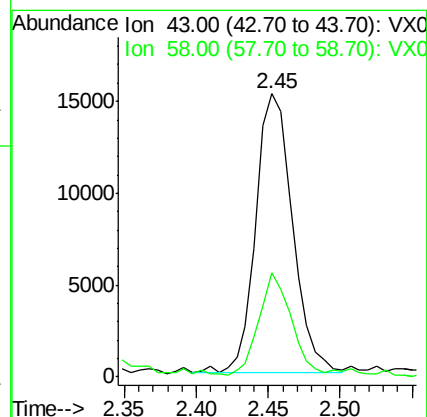
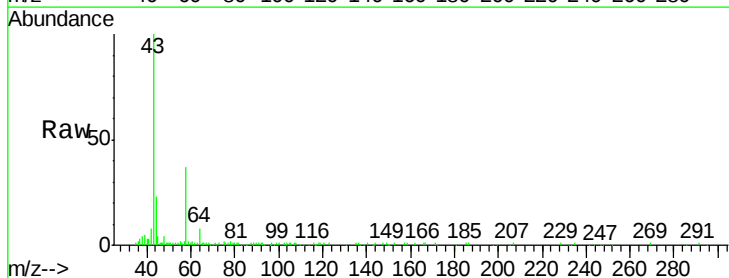
Instrument :
MSVOA_X
ClientSampleId :
PB116824ZHE#02

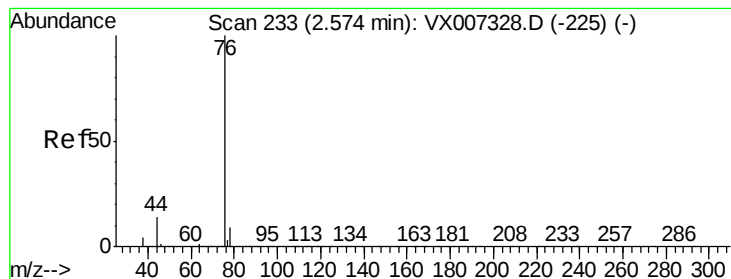
Tot Ion: 56 Resp: 450
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 11.460 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

Tgt Ion: 43 Resp: 26853
Ion Ratio Lower Upper
43 100
58 36.3 24.9 37.3





#17

Carbon Disulfide

Concen: 2.318 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

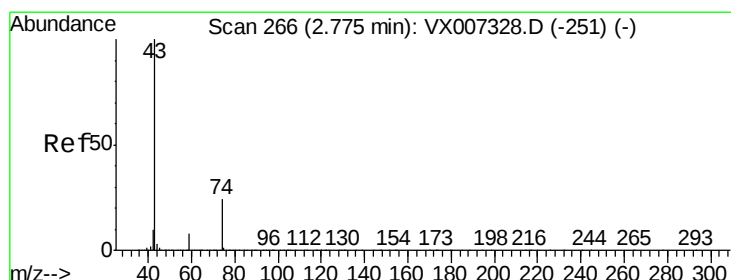
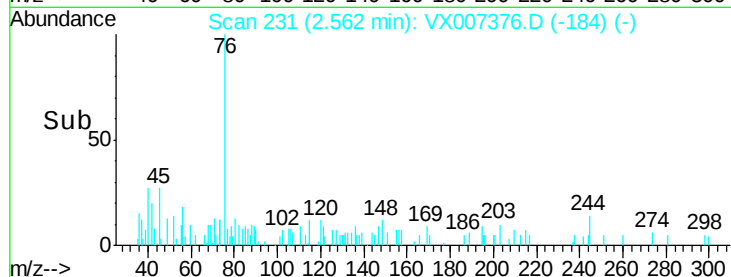
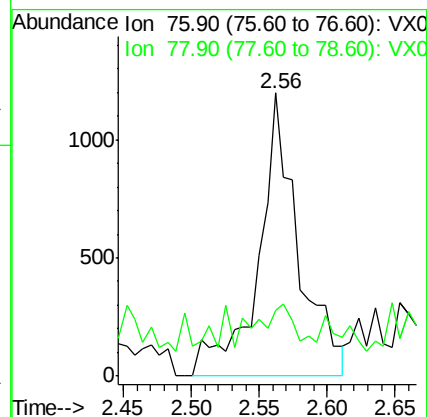
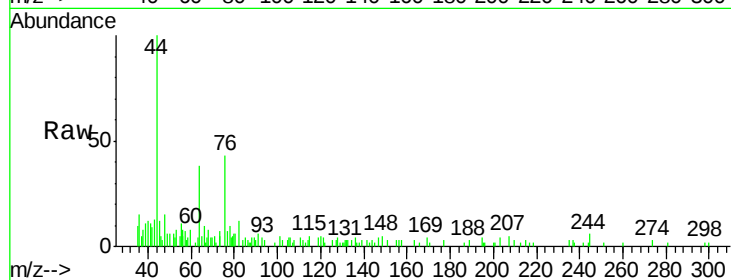
PB116824ZHE#02

Tot Ion: 76 Resp: 2479

Ion Ratio Lower Upper

76 100

78 12.6 7.1 10.7#



#18

Methyl Acetate

Concen: 2.338 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007376.D

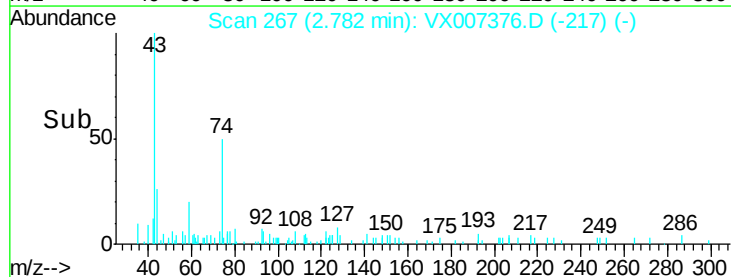
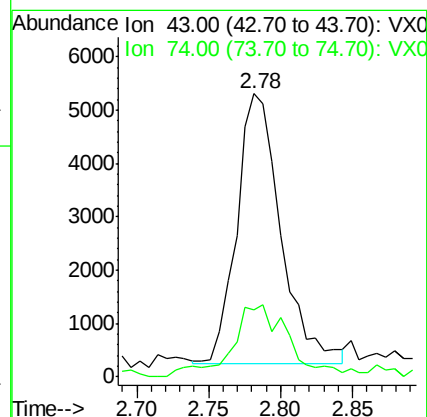
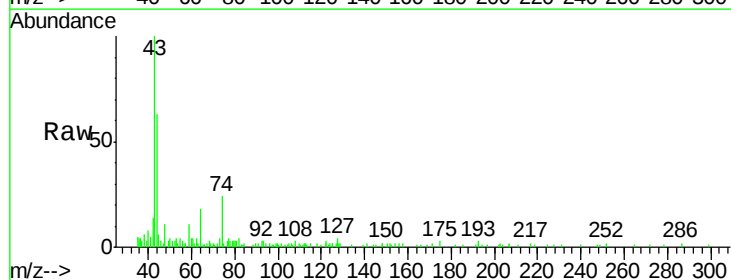
Acq: 05 Feb 2019 14:58

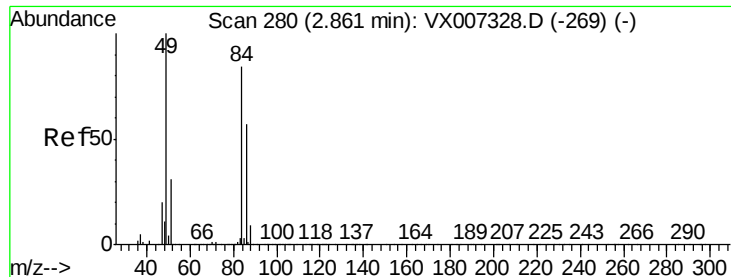
Tgt Ion: 43 Resp: 10782

Ion Ratio Lower Upper

43 100

74 35.2 19.4 29.2#

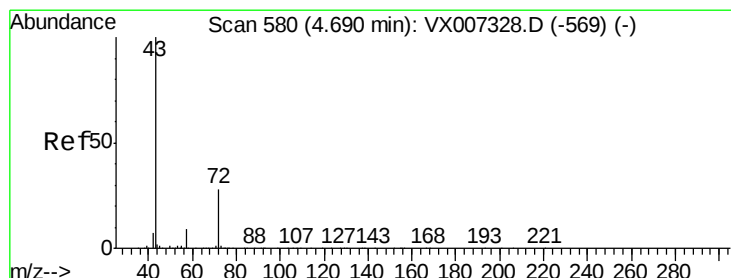
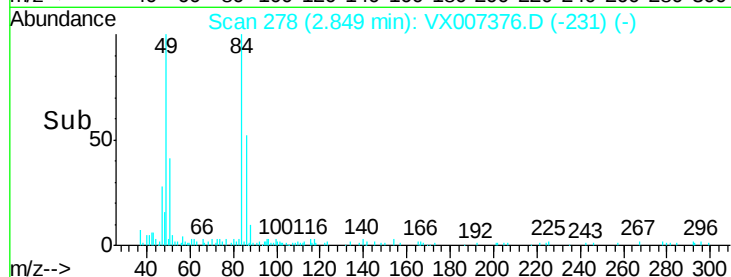
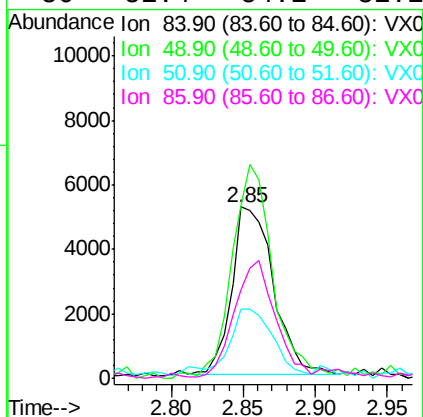
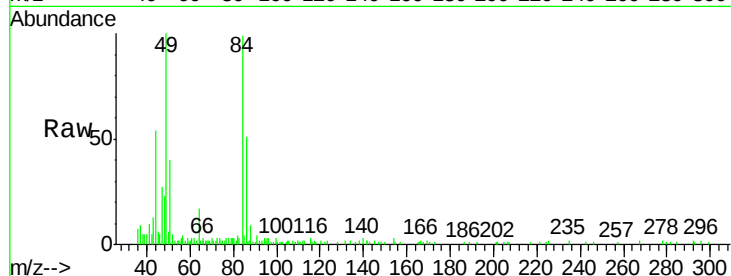




#20
Methvlene Chloride
Concen: 1.835 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

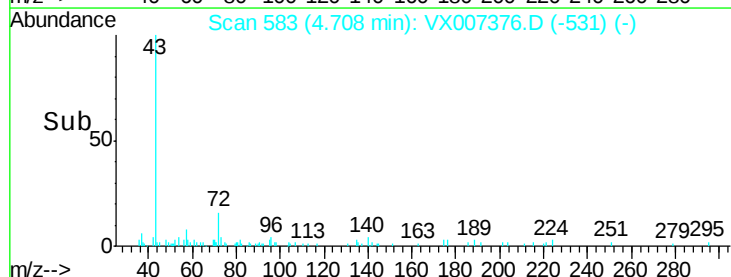
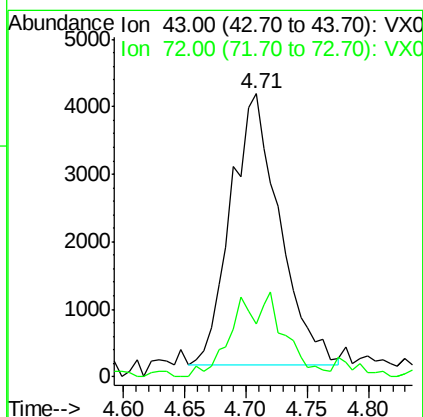
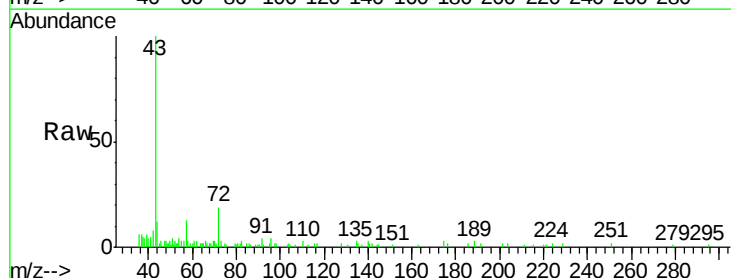
Instrument :
MSVOA_X
ClientSampleId :
PB116824ZHE#02

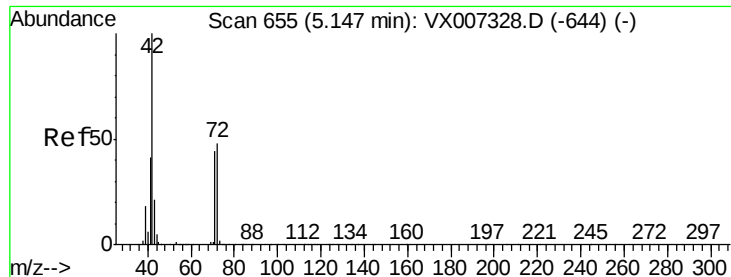
Tot Ion: 84 Resp: 10597
Ion Ratio Lower Upper
84 100
49 100.1 94.8 142.2
51 35.3 29.8 44.8
86 51.4 54.1 81.1#



#25
2-Butanone
Concen: 3.359 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

Tgt Ion: 43 Resp: 11201
Ion Ratio Lower Upper
43 100
72 19.7 22.2 33.2#





#29

Tetrahydrofuran

Concen: 1.099 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#02

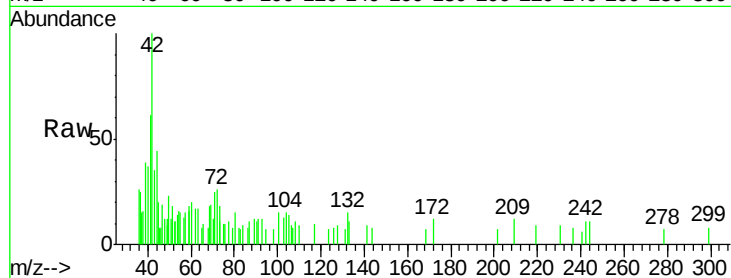
Tot Ion: 42 Resp: 2305

Ion Ratio Lower Upper

42 100

72 58.9 37.6 56.4#

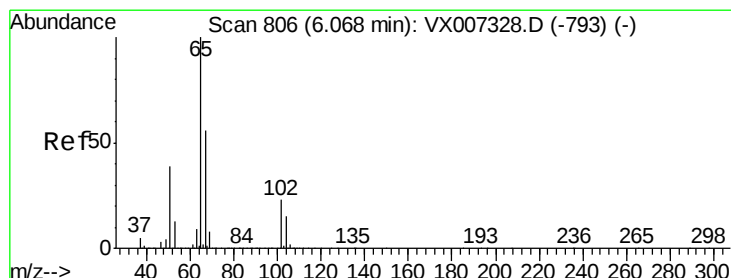
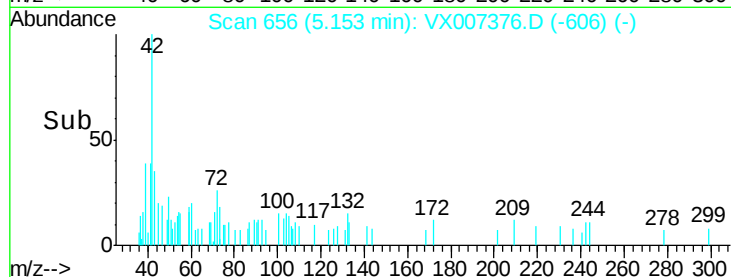
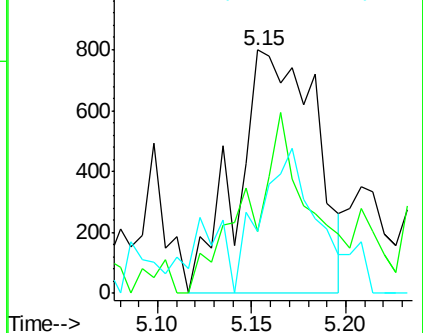
71 45.8 34.6 51.8



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



#33

1,2-Dichloroethane-d4

Concen: 52.392 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007376.D

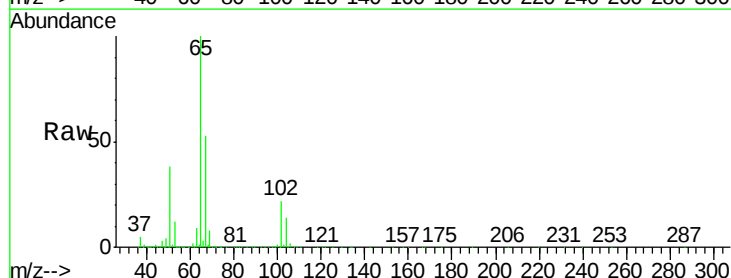
Acq: 05 Feb 2019 14:58

Tgt Ion: 65 Resp: 267992

Ion Ratio Lower Upper

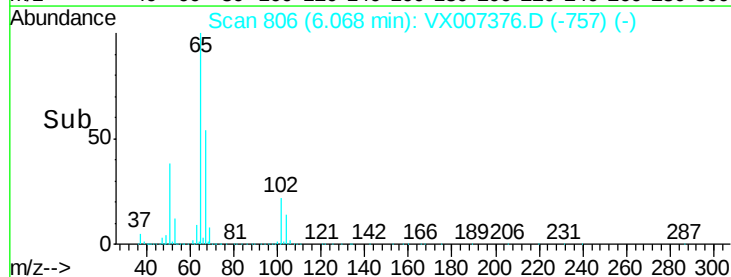
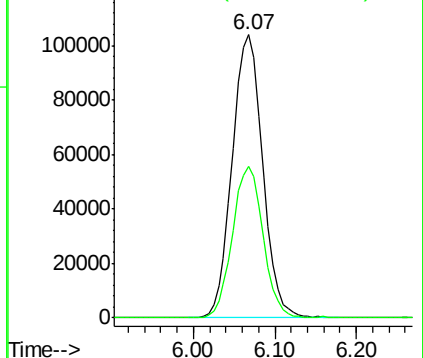
65 100

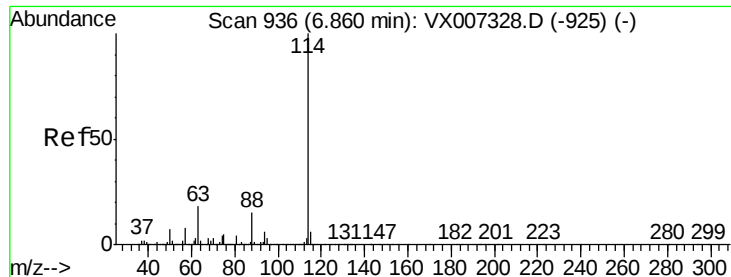
67 53.8 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

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PB116824ZHE#02

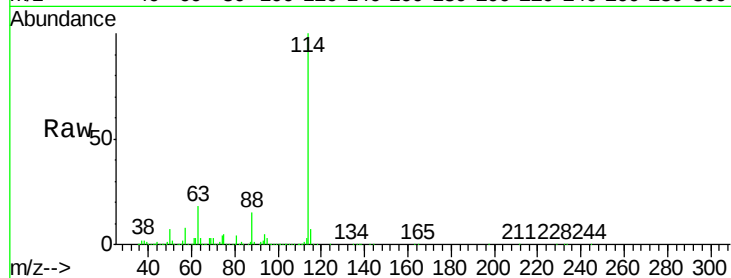
Tot Ion:114 Resp: 765616

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

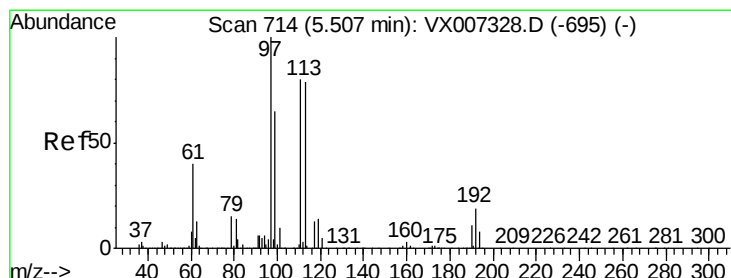
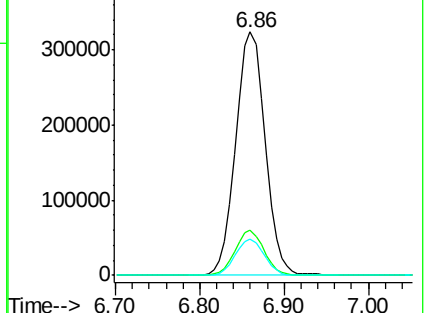
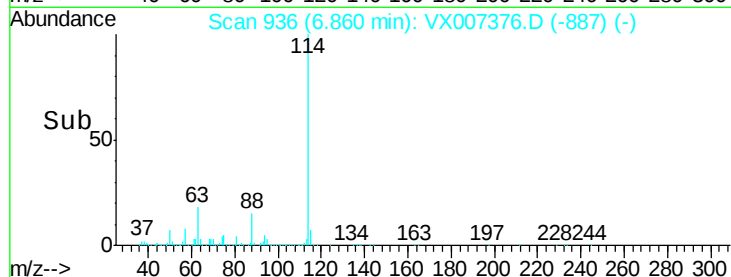
88 14.8 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 48.411 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

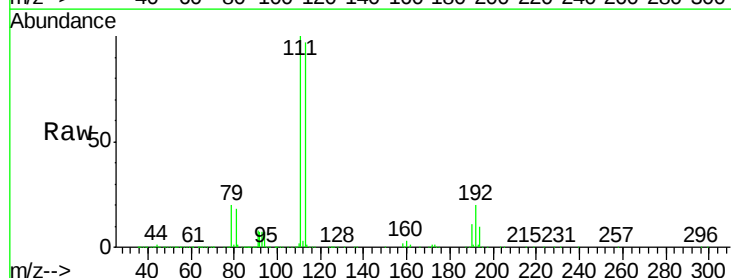
Tgt Ion:113 Resp: 241163

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

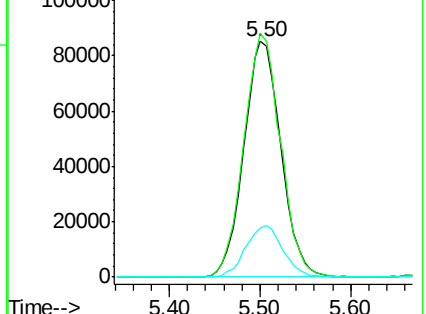
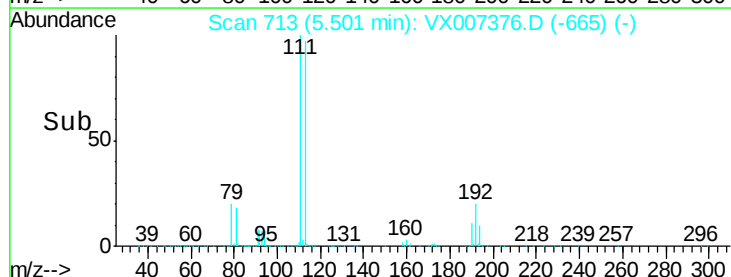
192 22.0 18.5 27.7

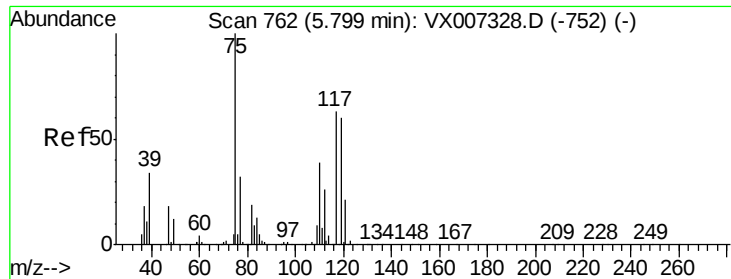


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

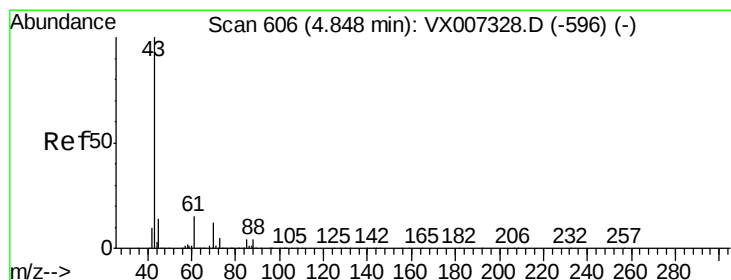
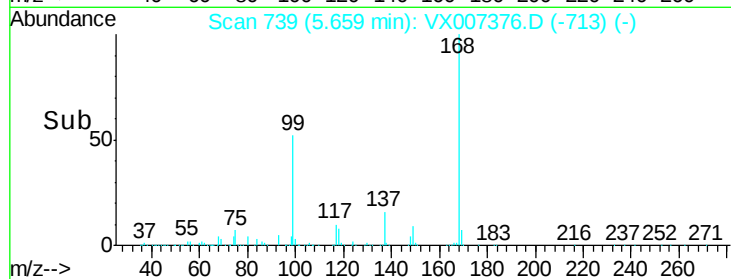
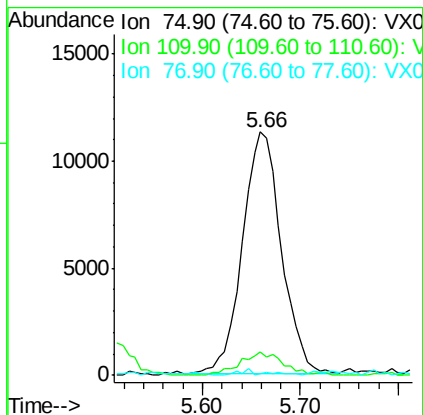
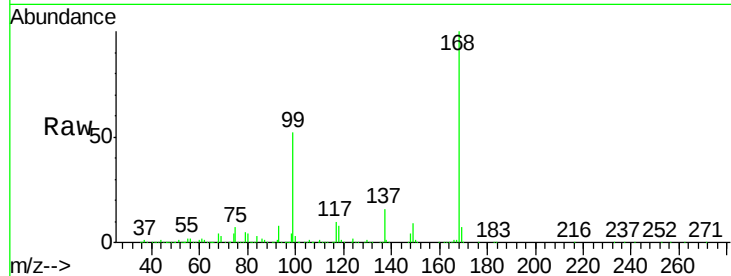




#36
 1,1-Dichloropropene
 Concen: 4.524 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007376.D
 Acq: 05 Feb 2019 14:58

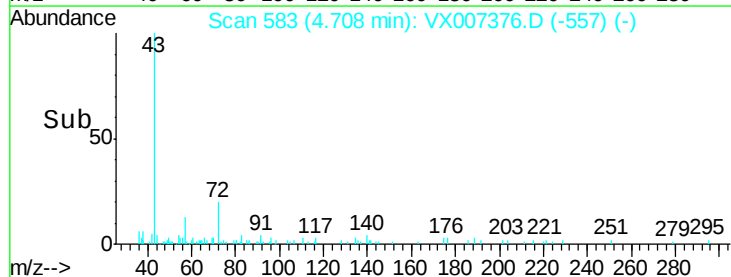
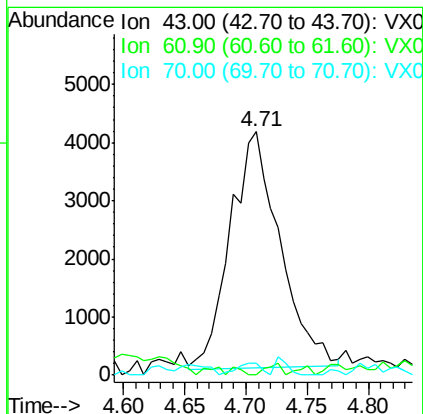
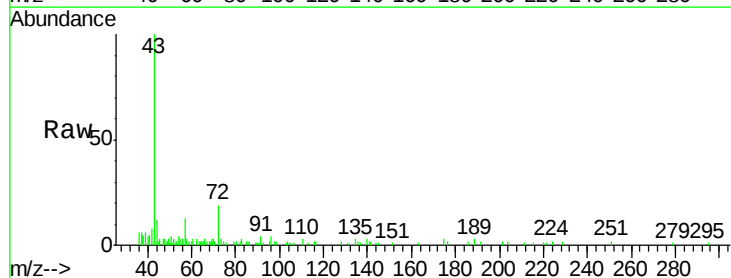
Instrument :
 MSVOA_X
 ClientSampleId :
 PB116824ZHE#02

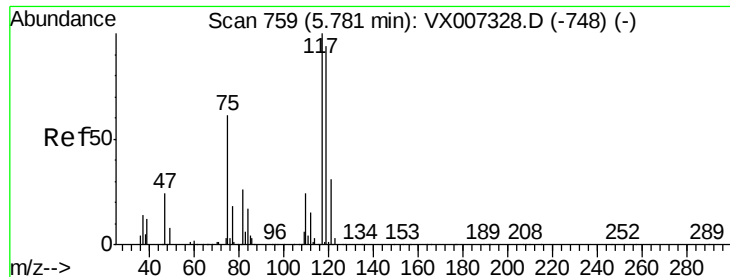
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.0	59.9#
77	0.9	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 1.657 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.14 min
 Lab File: VX007376.D
 Acq: 05 Feb 2019 14:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.8	11.3	16.9#
70	2.4	8.6	13.0#





#38

Carbon Tetrachloride

Concen: 6.904 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#02

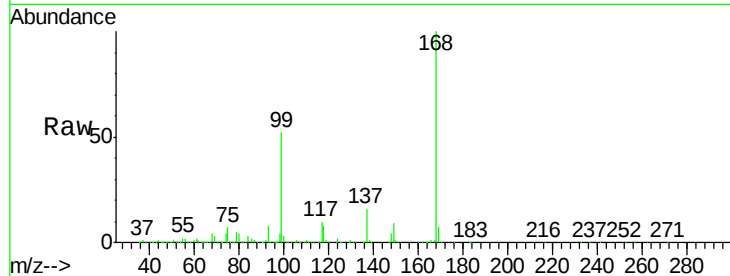
Tot Ion:117 Resp: 46008

Ion Ratio Lower Upper

117 100

119 5.0 75.3 112.9#

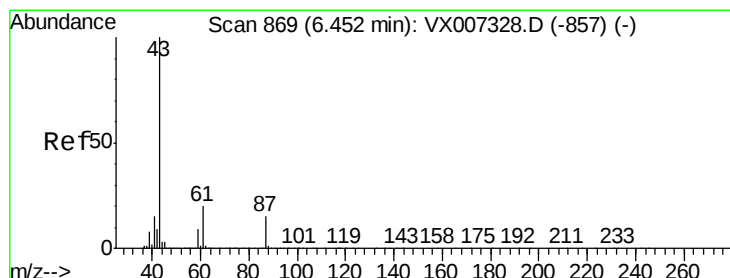
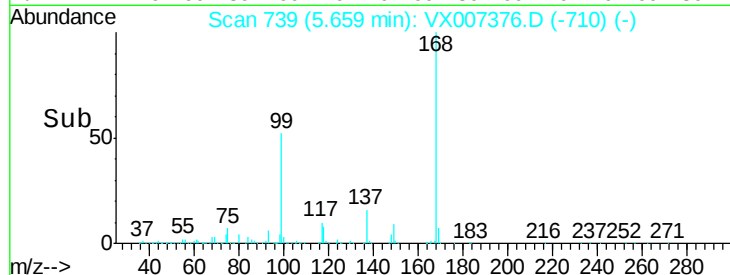
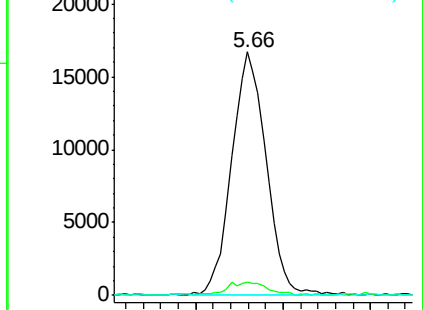
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 2.439 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

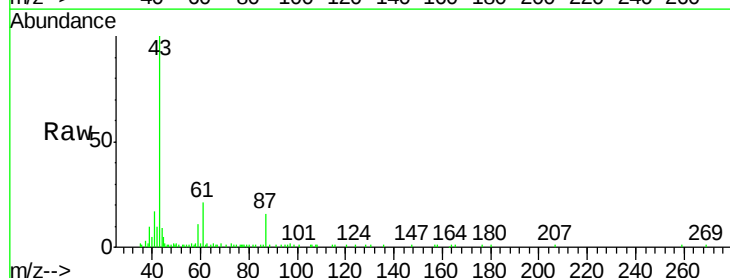
Tgt Ion: 43 Resp: 26143

Ion Ratio Lower Upper

43 100

61 21.7 16.1 24.1

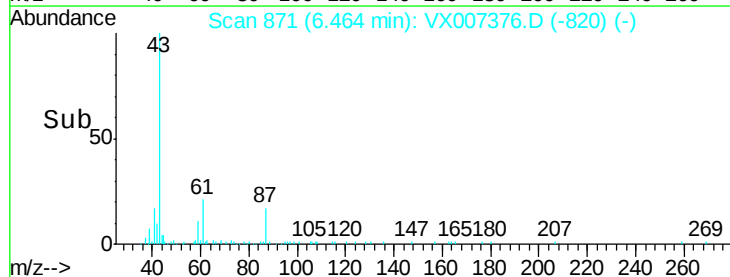
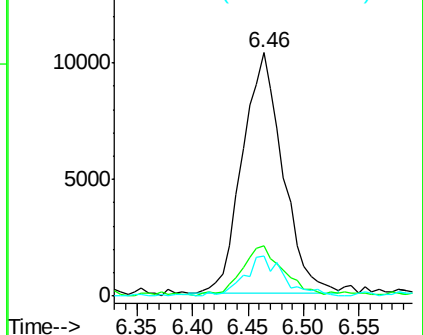
87 16.3 11.5 17.3

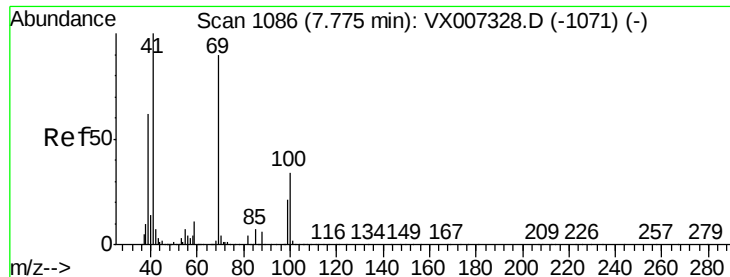


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

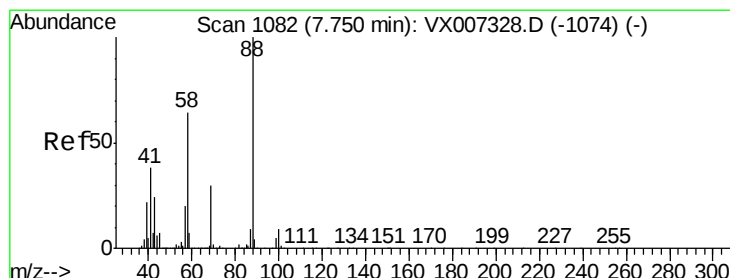
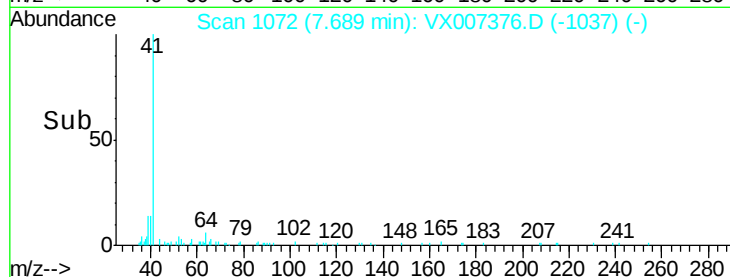
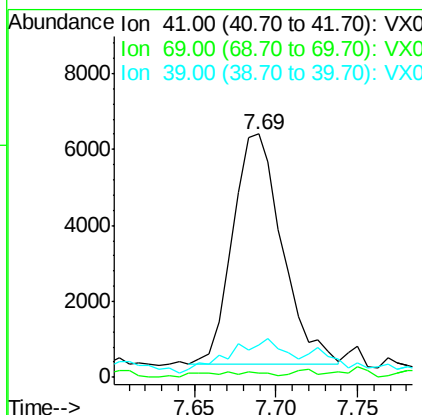
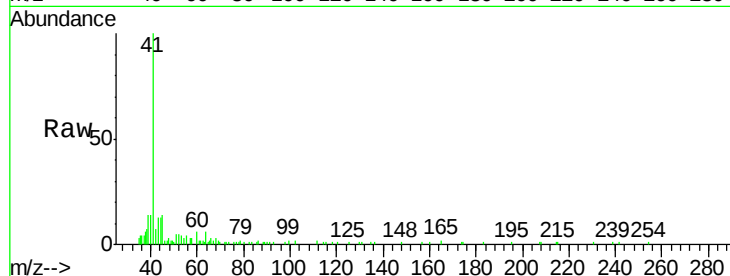




#48
Methvl methacrylate
Concen: 2.391 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

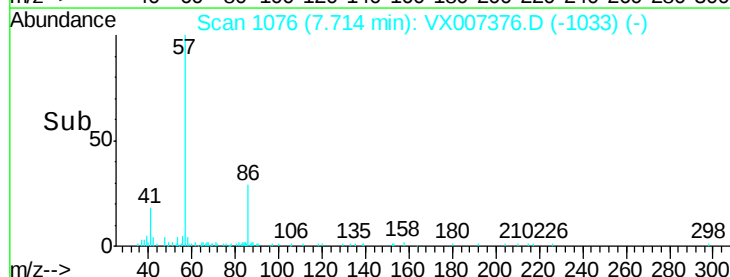
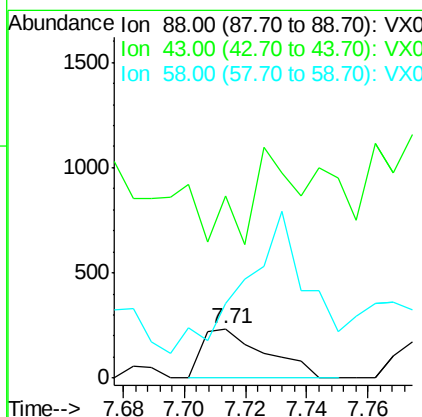
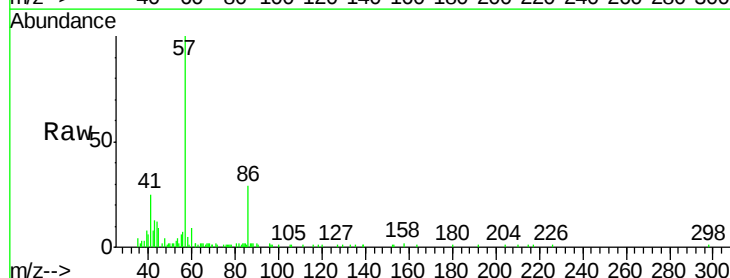
Instrument :
MSVOA_X
ClientSampleId :
PB116824ZHE#02

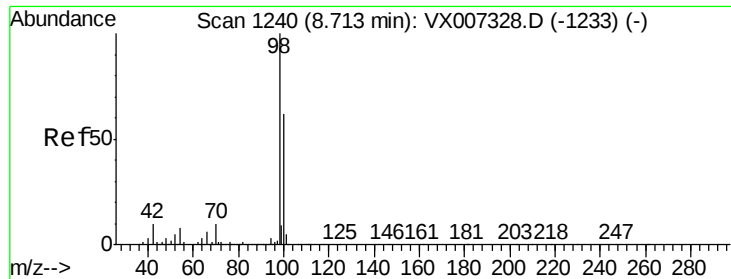
Tot Ion: 41 Resp: 12818
Ion Ratio Lower Upper
41 100
69 0.6 70.2 105.4#
39 0.0 47.4 71.0#



#49
1,4-Dioxane
Concen: 9.575 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.04 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

Tgt Ion: 88 Resp: 331
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 300.3 53.0 79.4#





#50

Toluene-d8

Concen: 50.977 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

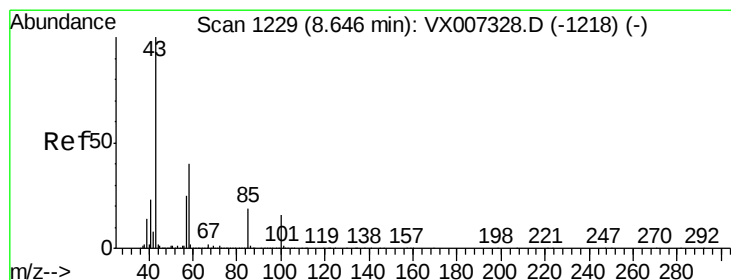
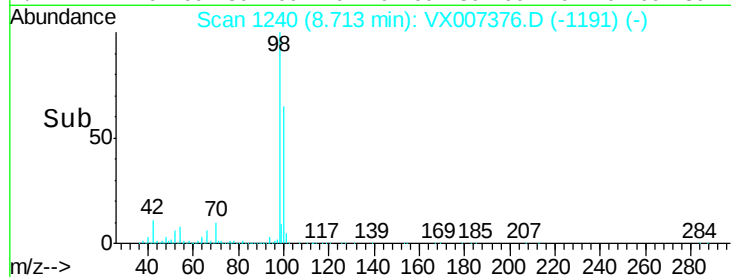
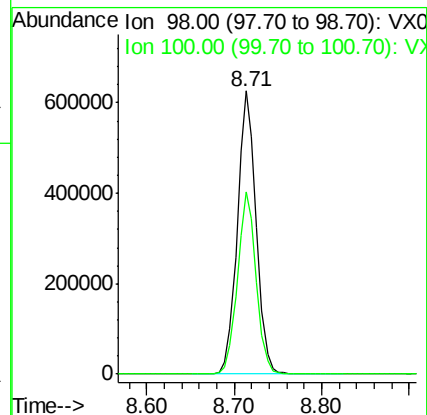
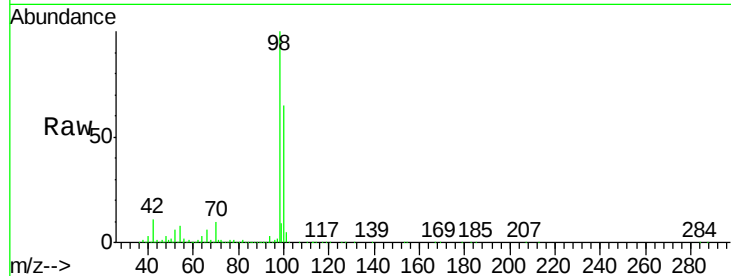
PB116824ZHE#02

Tot Ion: 98 Resp: 942190

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 20.221 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007376.D

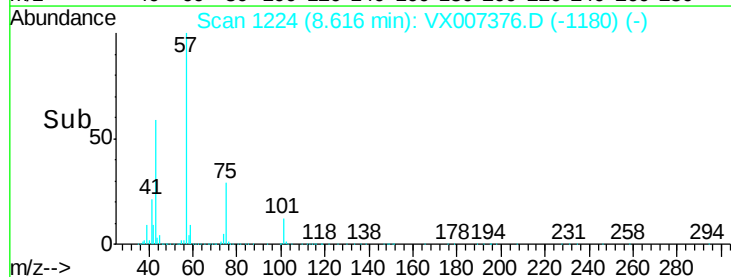
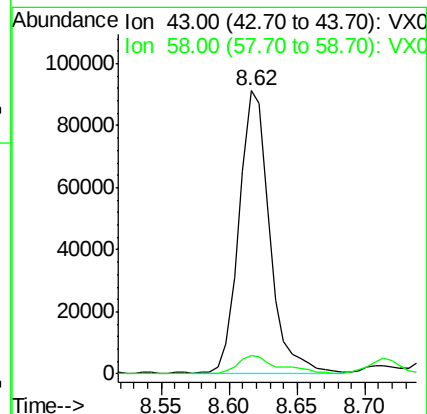
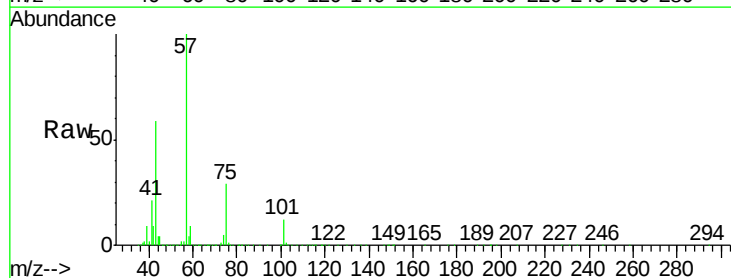
Acq: 05 Feb 2019 14:58

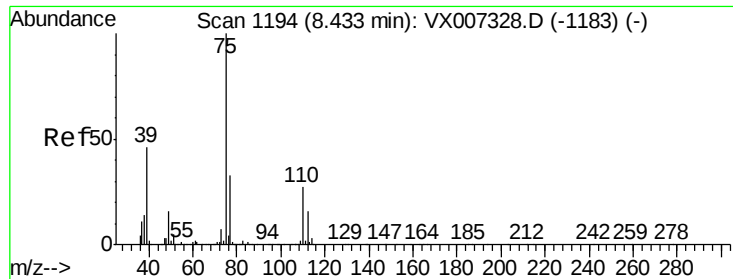
Tgt Ion: 43 Resp: 142680

Ion Ratio Lower Upper

43 100

58 8.8 31.2 46.8#





#54

cis-1,3-Dichloropropene

Concen: 9.390 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#02

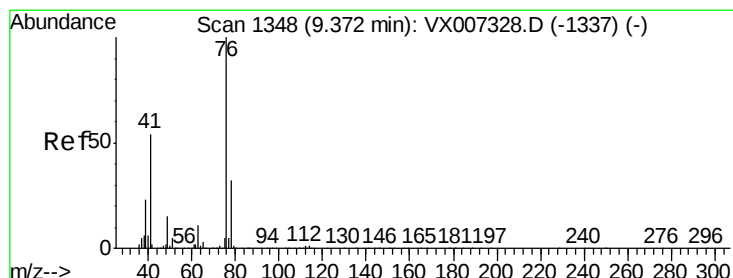
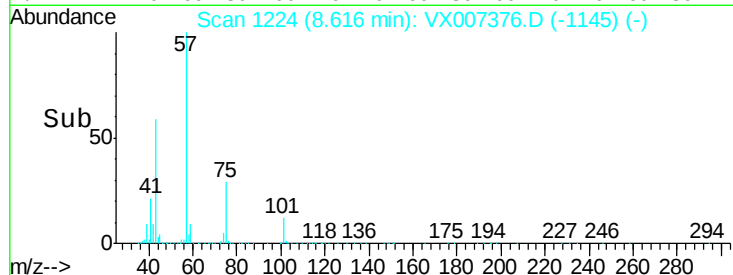
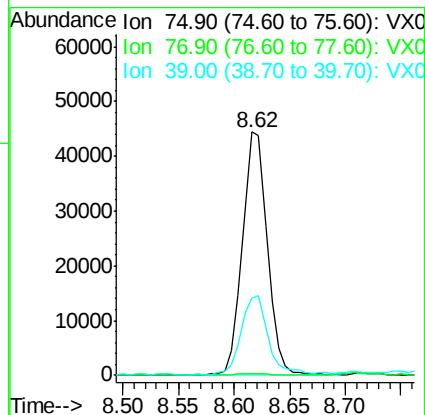
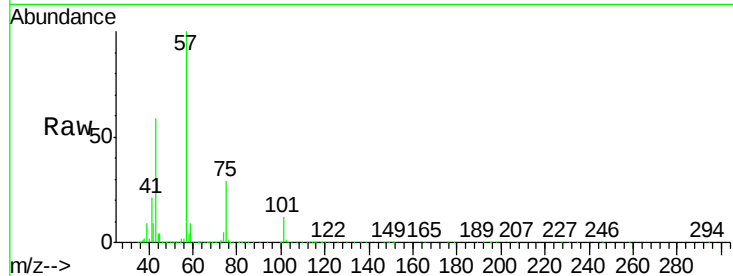
Tot Ion: 75 Resp: 69266

Ion Ratio Lower Upper

75 100

77 0.8 26.2 39.4#

39 31.3 37.1 55.7#



#57

1,3-Dichloropropane

Concen: 1.813 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007376.D

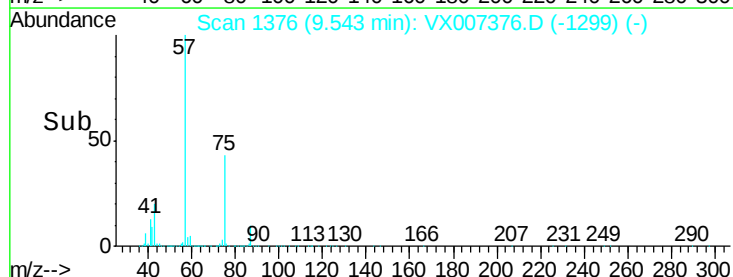
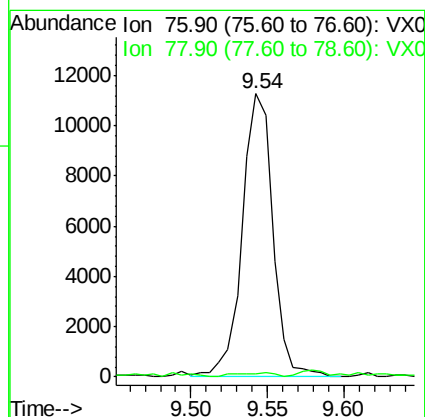
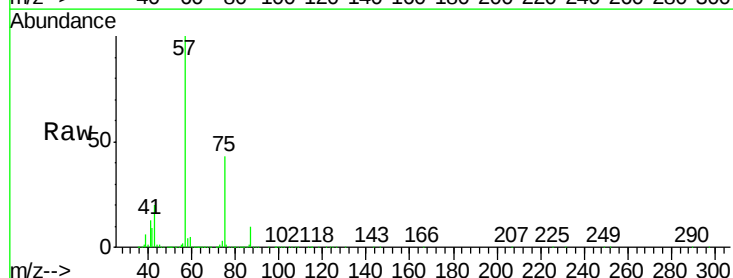
Acq: 05 Feb 2019 14:58

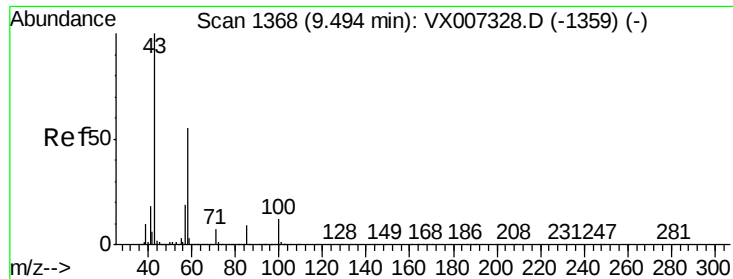
Tgt Ion: 76 Resp: 15689

Ion Ratio Lower Upper

76 100

78 1.7 25.8 38.8#

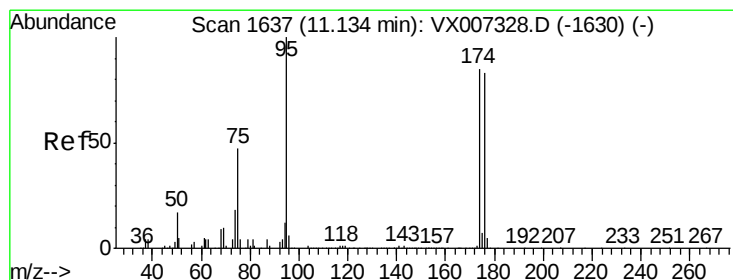
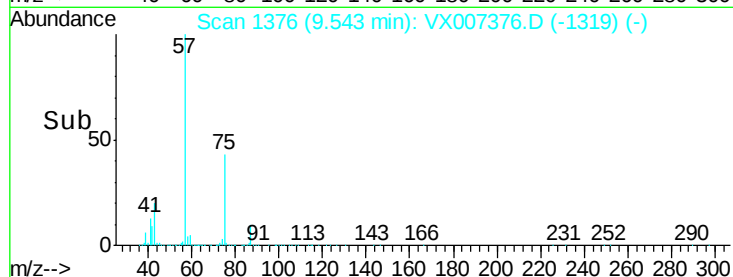
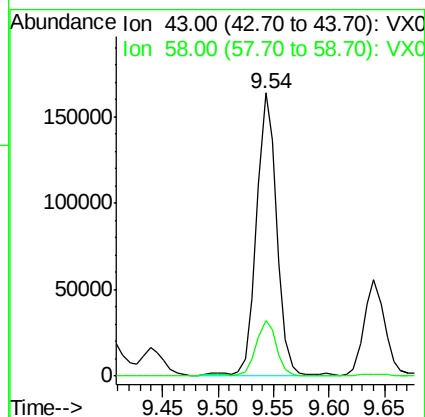
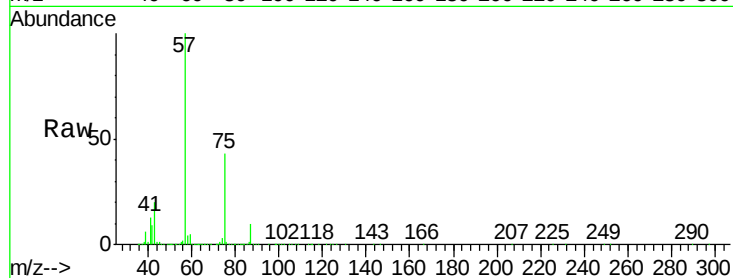




#59
2-Hexanone
Concen: 37.798 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

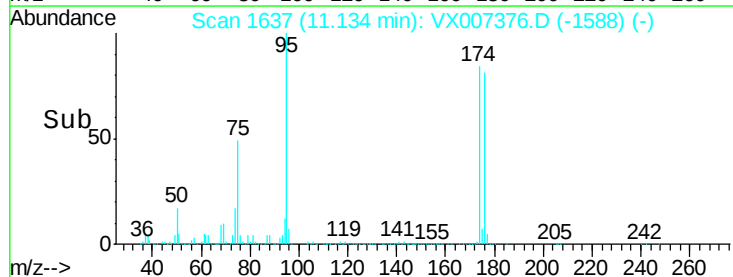
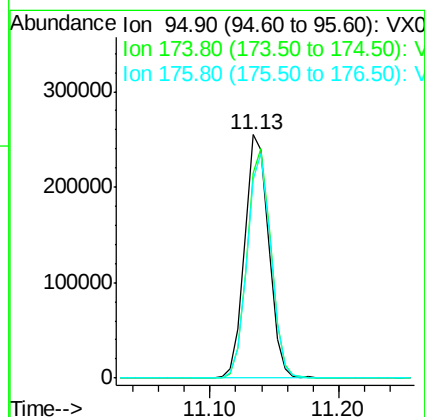
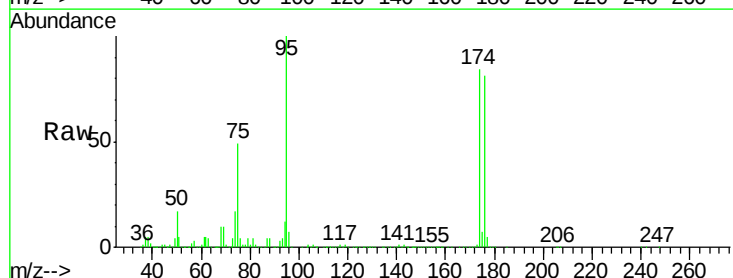
Instrument :
MSVOA_X
ClientSampleId :
PB116824ZHE#02

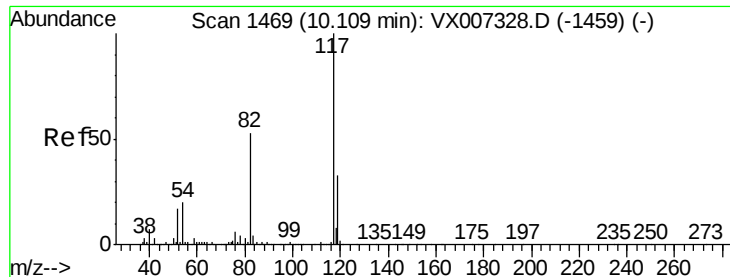
Tot Ion: 43 Resp: 207539
Ion Ratio Lower Upper
43 100
58 20.1 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 48.520 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007376.D
Acq: 05 Feb 2019 14:58

Tgt Ion: 95 Resp: 327415
Ion Ratio Lower Upper
95 100
174 93.0 0.0 189.2
176 90.6 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#02

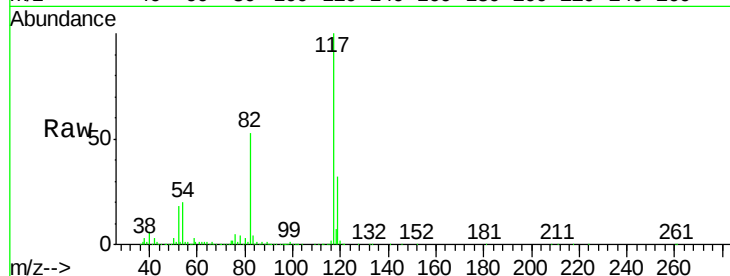
Tot Ion:117 Resp: 732630

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

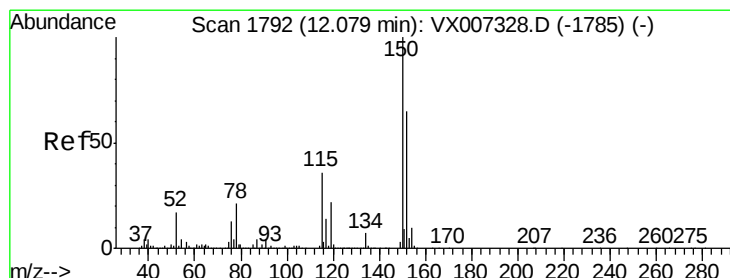
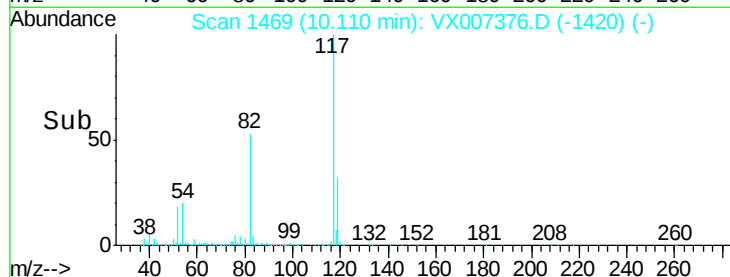
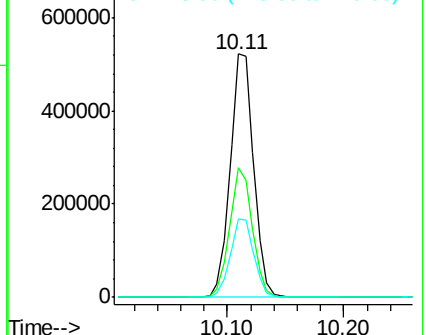
119 32.2 26.5 39.7



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: VX007376.D

Acq: 05 Feb 2019 14:58

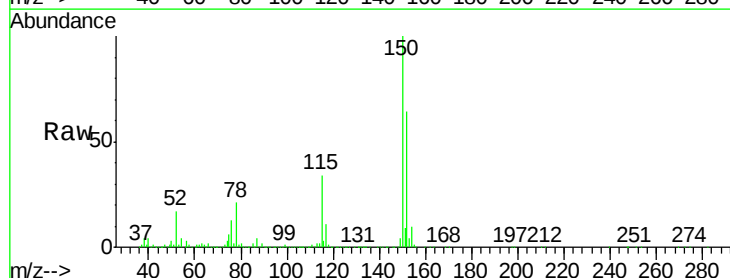
Tgt Ion:152 Resp: 355658

Ion Ratio Lower Upper

152 100

115 54.4 38.0 114.0

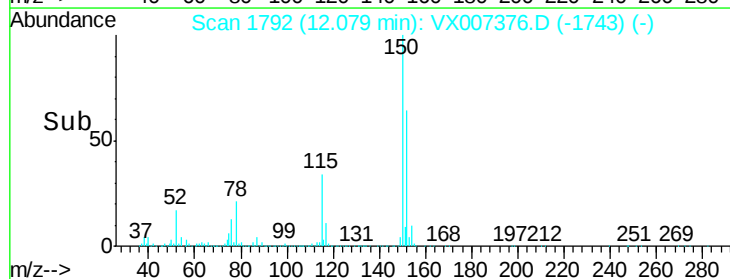
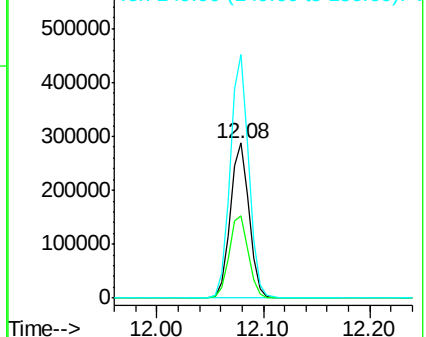
150 155.1 0.0 346.4

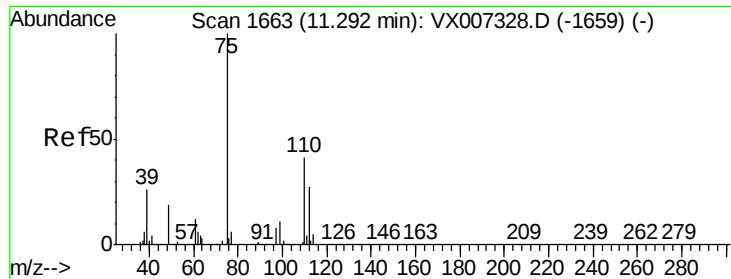


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

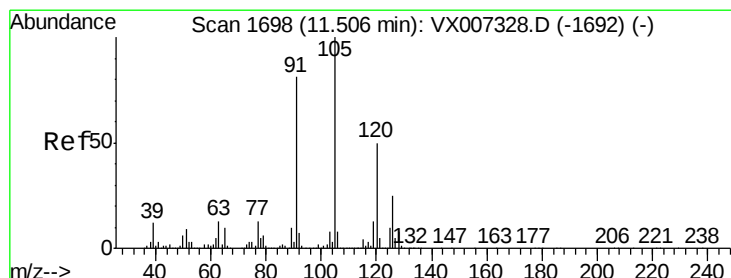
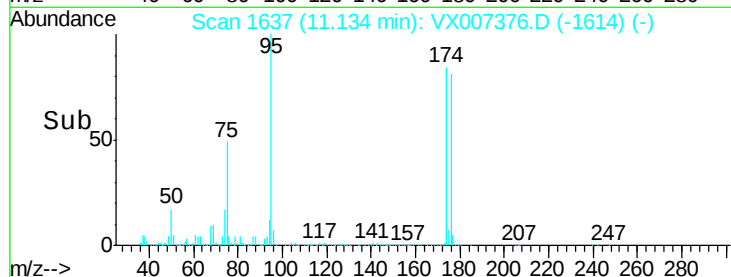
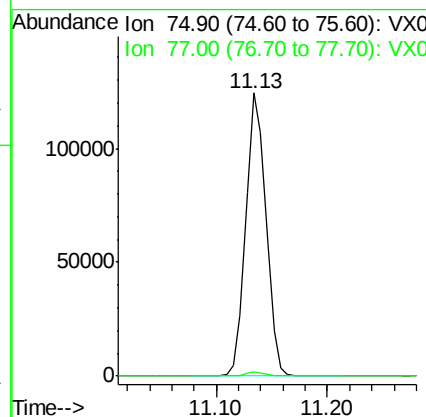
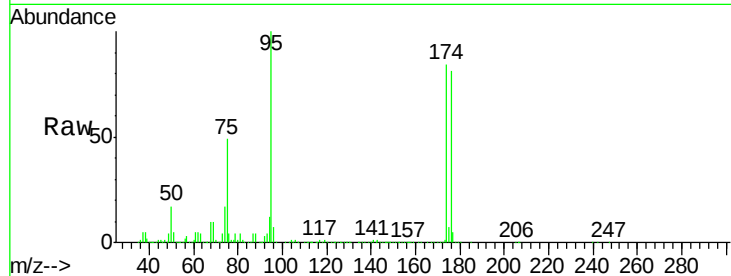




#76
 1,2,3-Trichloropropane
 Concen: 22.679 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007376.D
 Acq: 05 Feb 2019 14:58

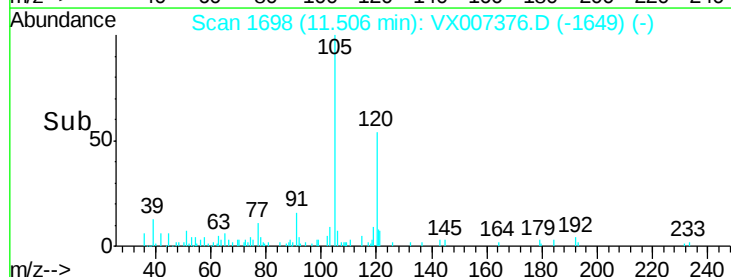
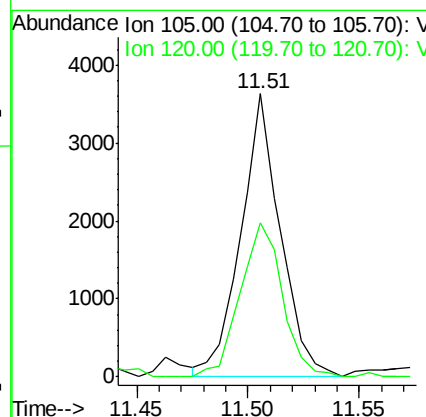
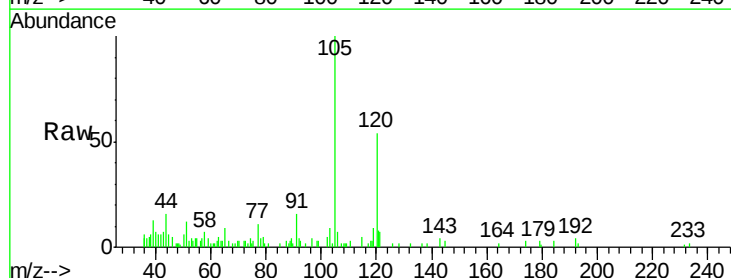
Instrument :
 MSVOA_X
 ClientSampleId :
 PB116824ZHE#02

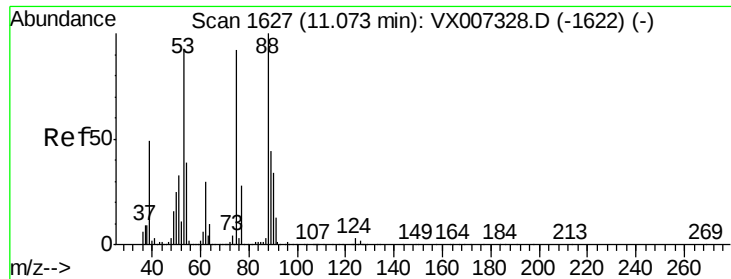
Tot Ion: 75 Resp: 156895
 Ion Ratio Lower Upper
 75 100
 77 1.5 23.0 69.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.227 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007376.D
 Acq: 05 Feb 2019 14:58

Tgt Ion: 105 Resp: 4488
 Ion Ratio Lower Upper
 105 100
 120 58.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 68.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007376.D

Acq: 05 Feb 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#02

Tot Ion: 75 Resp: 156895

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#

