

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020519\
 Data File : VX007383.D
 Acq On : 05 Feb 2019 18:05
 Operator : JC/SP
 Sample : PB116824ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116824ZHE#01

Quant Time: Feb 06 00:19:48 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	5.66	168	441419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	678853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	652626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	329613	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	242356	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
35) Dibromofluoromethane	5.50	113	211960	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.71	98	827607	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.14	95	300374	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

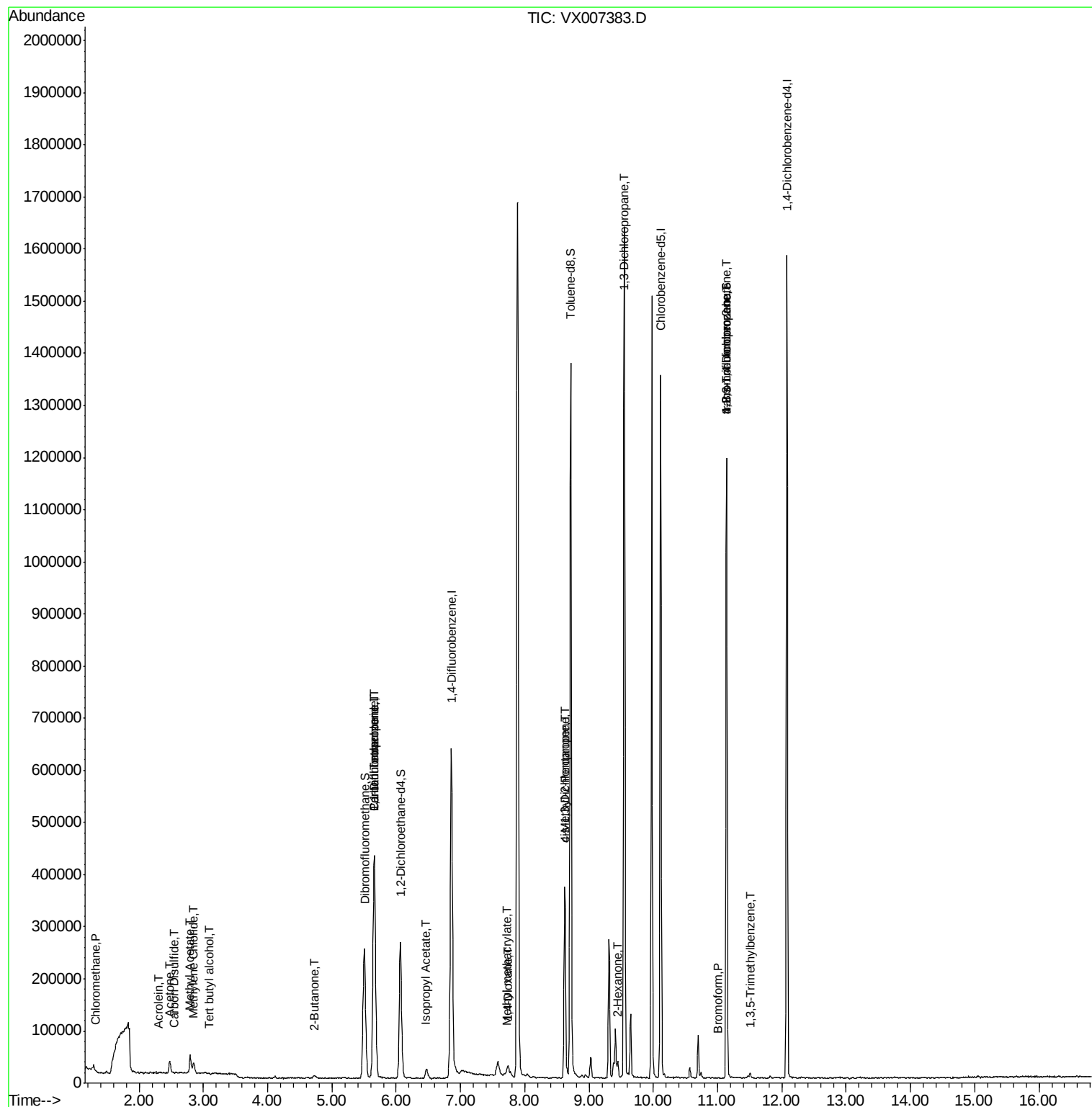
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1896	0.381	ug/l #	68
5) Bromomethane	1.64	94	1665	Below Cal		82
11) Tert butyl alcohol	3.09	59	222	0.229	ug/l #	58
13) Acrolein	2.29	56	309	0.680	ug/l #	63
16) Acetone	2.48	43	26717	12.448	ug/l	97
17) Carbon Disulfide	2.54	76	1480	2.250	ug/l #	75
18) Methyl Acetate	2.79	43	48436	9.152	ug/l	99
20) Methylene Chloride	2.85	84	10458	2.008	ug/l	94
25) 2-Butanone	4.73	43	11465	3.754	ug/l #	86
36) 1,1-Dichloropropene	5.66	75	28418	4.666	ug/l #	49
38) Carbon Tetrachloride	5.66	117	39368	6.662	ug/l #	18
43) Isopropyl Acetate	6.46	43	26352	2.773	ug/l	95
48) Methyl methacrylate	7.71	41	13580	2.857	ug/l #	13
49) 1,4-Dioxane	7.74	88	143	8.192	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	130573	20.871	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	62168	9.504	ug/l #	66
57) 1,3-Dichloropropane	9.55	76	15017	1.957	ug/l #	46
59) 2-Hexanone	9.44	43	20264	4.162	ug/l #	24
71) Bromoform	11.01	173	101	4.052	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	142977	22.301	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	4477	0.244	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	142977	67.328	ug/l #	9

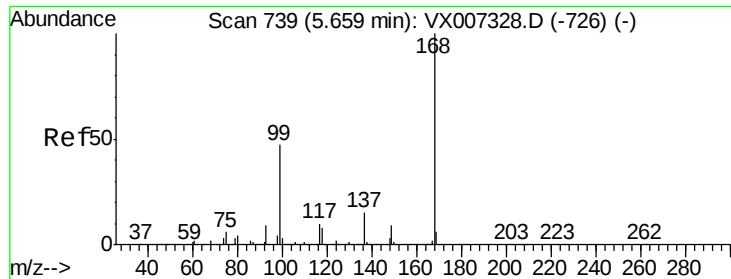
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020519\
Data File : VX007383.D
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Sample : PB116824ZHE#01
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ClientSampleId :
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Quant Time: Feb 06 00:19:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

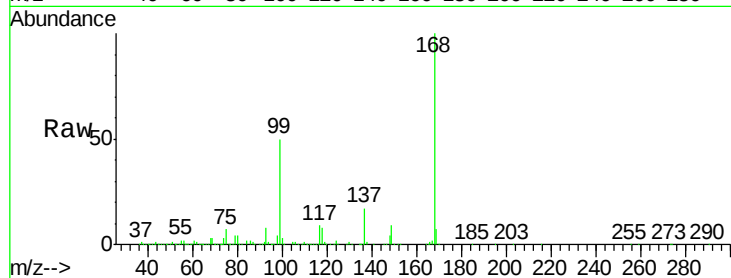
PB116824ZHE#01

Tot Ion:168 Resp: 441419

Ion Ratio Lower Upper

168 100

99 49.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

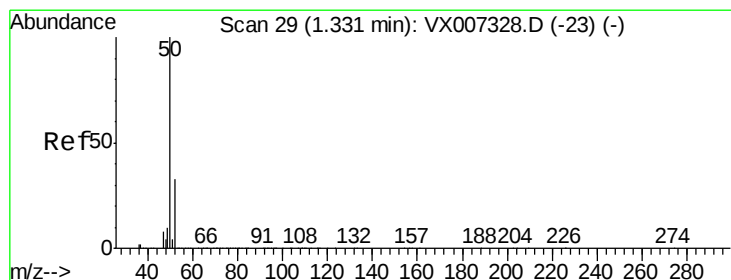
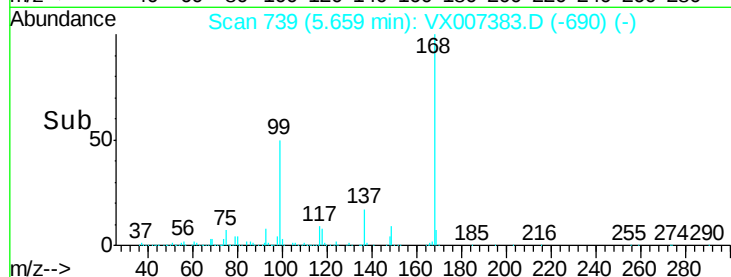
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.381 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007383.D

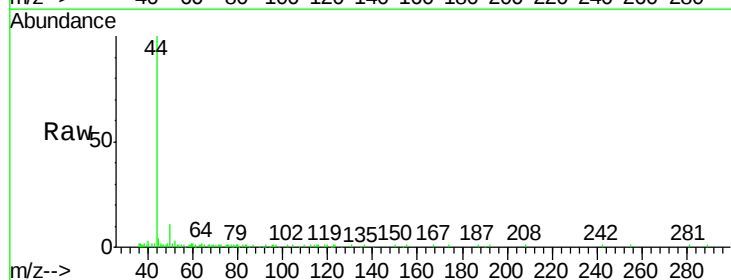
Acq: 05 Feb 2019 18:05

Tgt Ion: 50 Resp: 1896

Ion Ratio Lower Upper

50 100

52 14.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

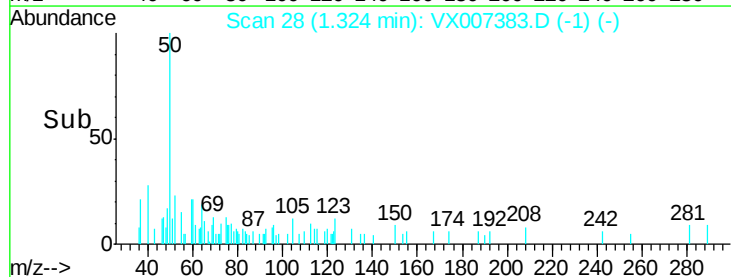
1500

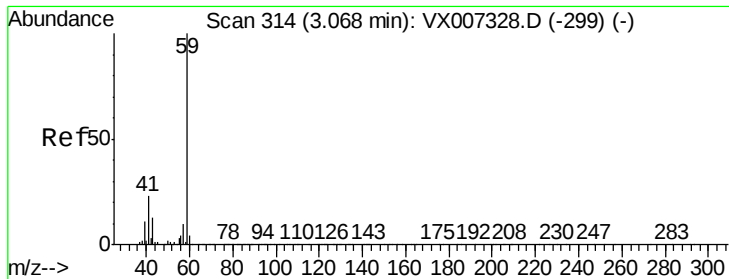
1000

500

0

Time-->

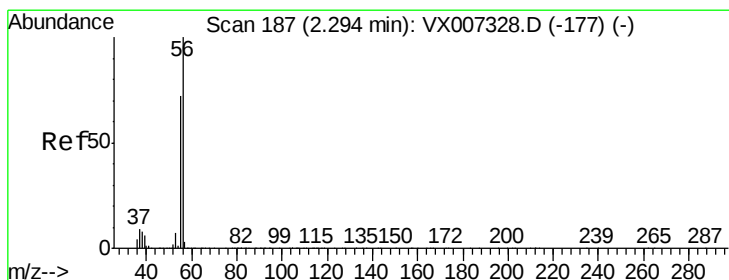
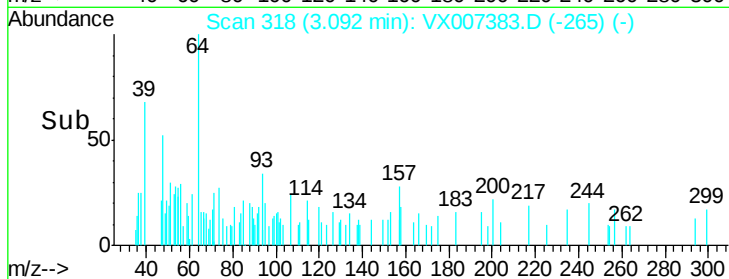
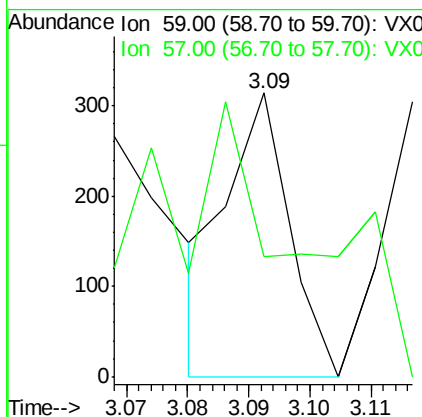
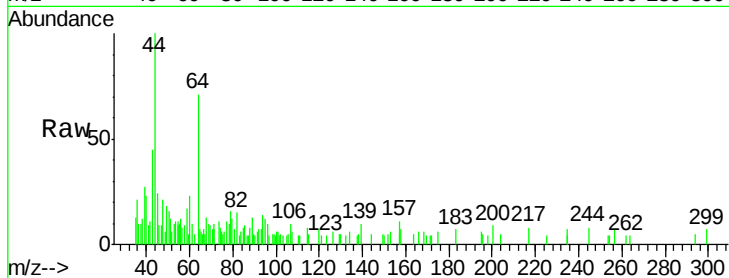




#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX007383.D
Acq: 05 Feb 2019 18:05

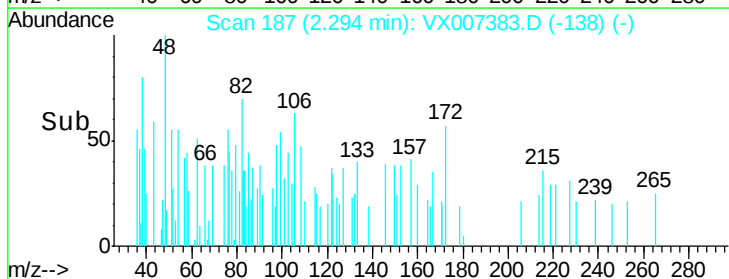
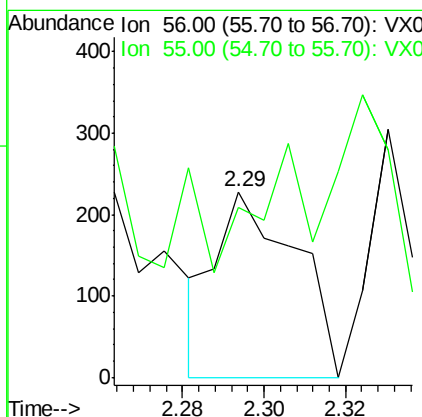
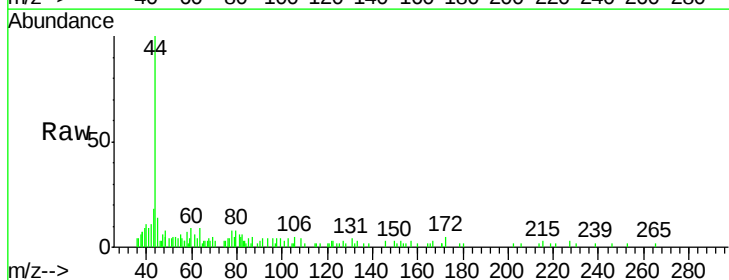
Instrument :
MSVOA_X
ClientSampleId :
PB116824ZHE#01

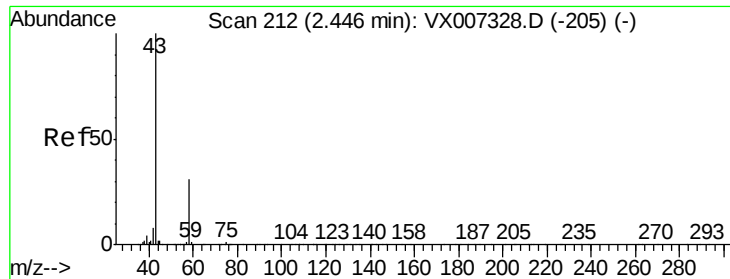
Tot Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 25.7 8.1 12.1#



#13
Acrolein
Concen: 0.680 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX007383.D
Acq: 05 Feb 2019 18:05

Tgt Ion: 56 Resp: 309
Ion Ratio Lower Upper
56 100
55 40.1 56.9 85.3#





#16

Acetone

Concen: 12.448 ug/l

RT: 2.48 min Scan# 217

Delta R.T. 0.03 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

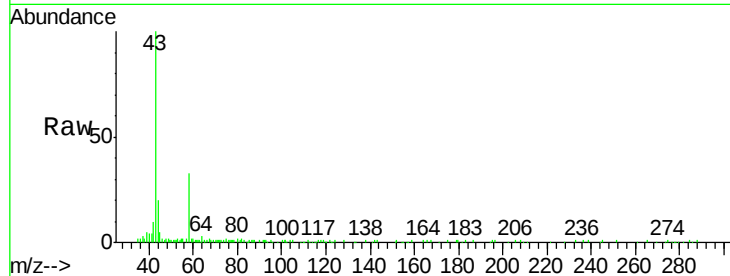
PB116824ZHE#01

Tot Ion: 43 Resp: 26717

Ion Ratio Lower Upper

43 100

58 32.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

15000

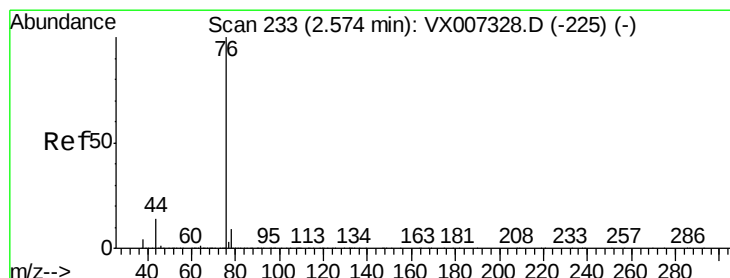
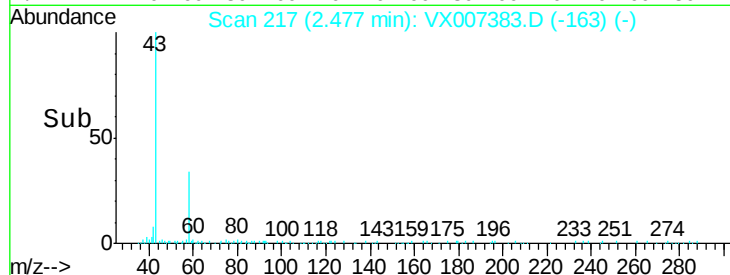
10000

5000

0

2.40 2.50 2.60

Time-->



#17

Carbon Disulfide

Concen: 2.250 ug/l

RT: 2.54 min Scan# 228

Delta R.T. -0.03 min

Lab File: VX007383.D

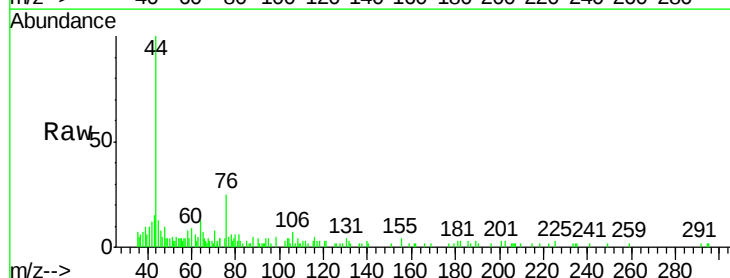
Acq: 05 Feb 2019 18:05

Tgt Ion: 76 Resp: 1480

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

800

600

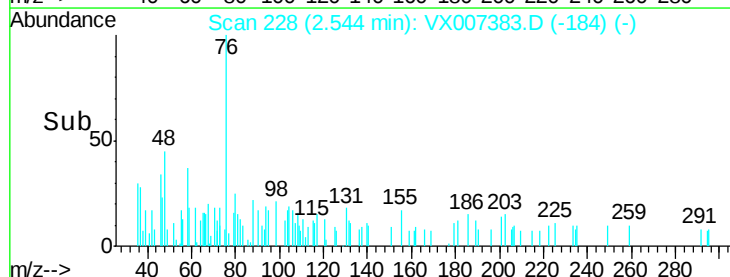
400

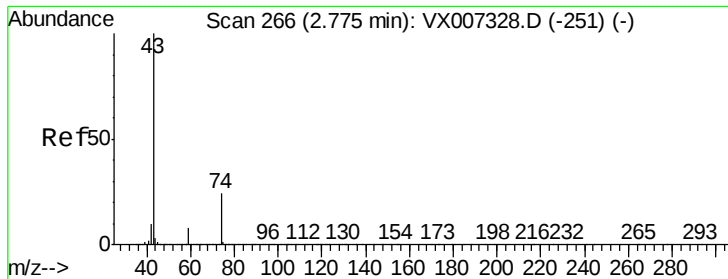
200

0

2.45 2.50 2.55

Time-->

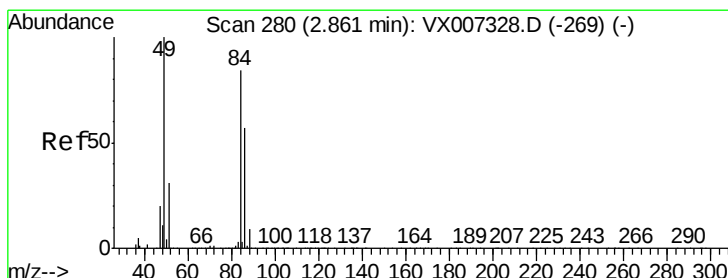
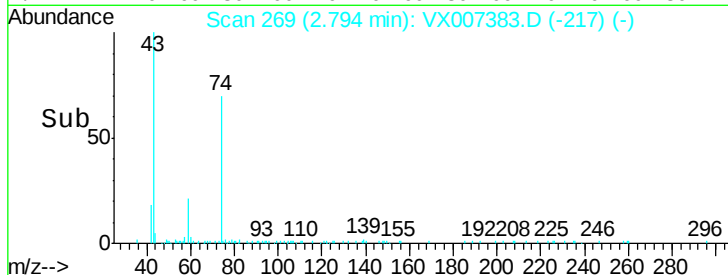
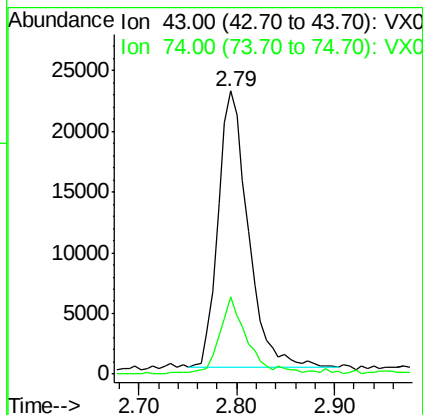
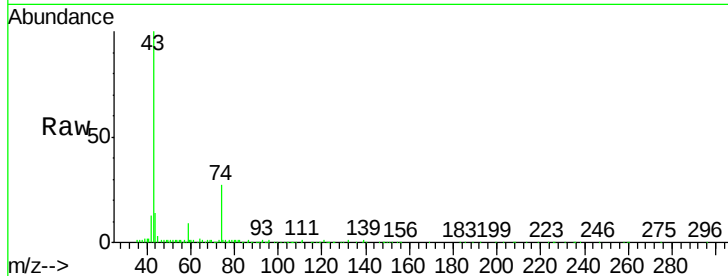




#18
Methyl Acetate
Concen: 9.152 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX007383.D
Acq: 05 Feb 2019 18:05

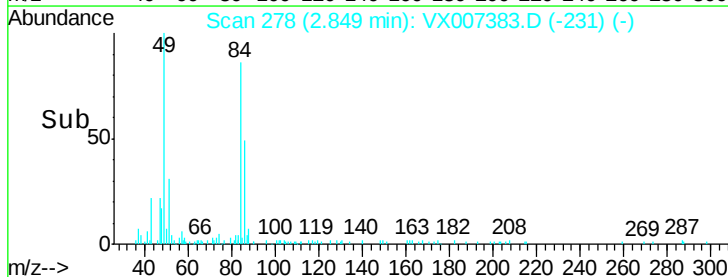
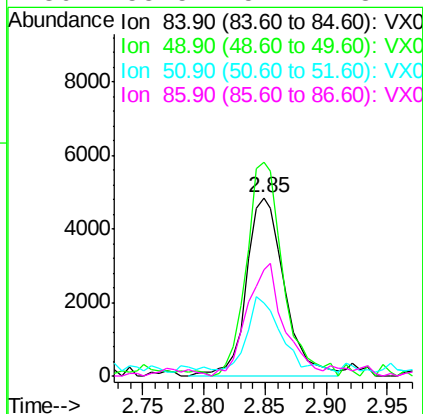
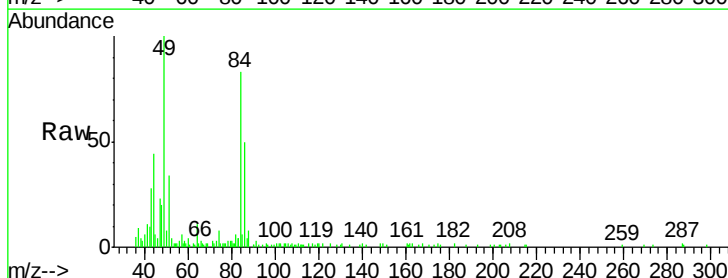
Instrument :
MSVOA_X
ClientSampleId :
PB116824ZHE#01

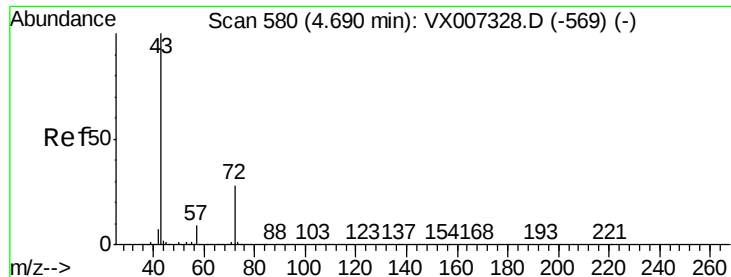
Tot Ion: 43 Resp: 48436
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.2



#20
Methylene Chloride
Concen: 2.008 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007383.D
Acq: 05 Feb 2019 18:05

Tgt Ion: 84 Resp: 10458
Ion Ratio Lower Upper
84 100
49 119.8 94.8 142.2
51 38.5 29.8 44.8
86 55.5 54.1 81.1





#25

2-Butanone

Concen: 3.754 ug/l

RT: 4.73 min Scan# 586

Delta R.T. 0.04 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

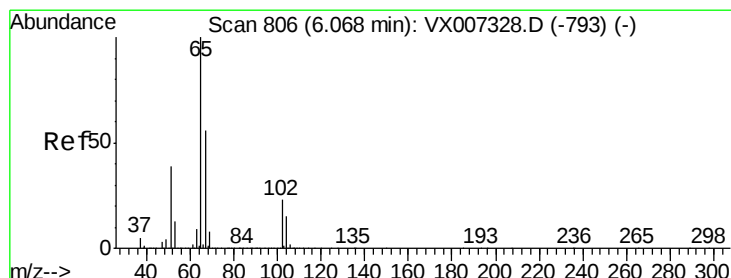
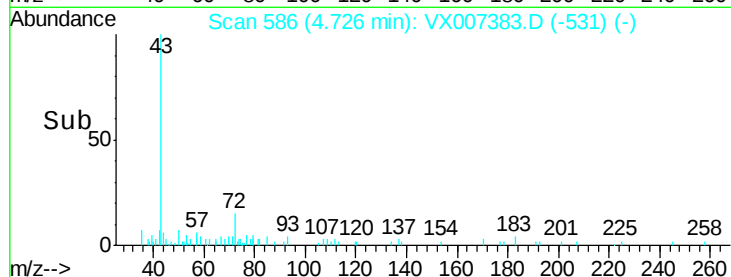
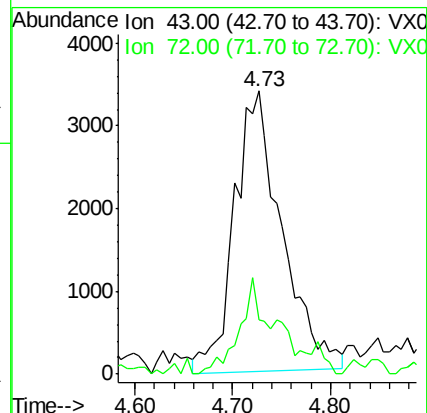
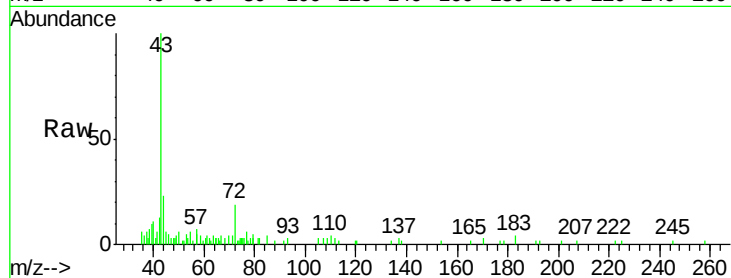
PB116824ZHE#01

Tot Ion: 43 Resp: 11465

Ion Ratio Lower Upper

43 100

72 20.1 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 51.727 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007383.D

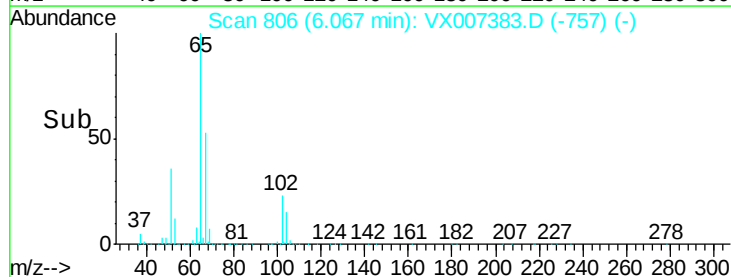
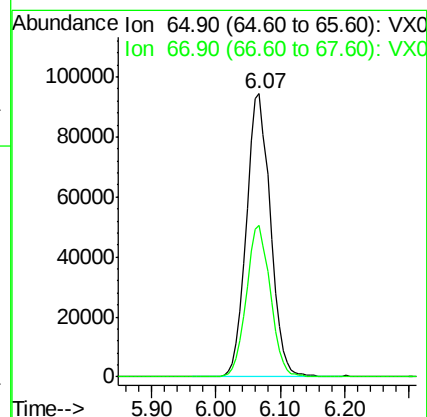
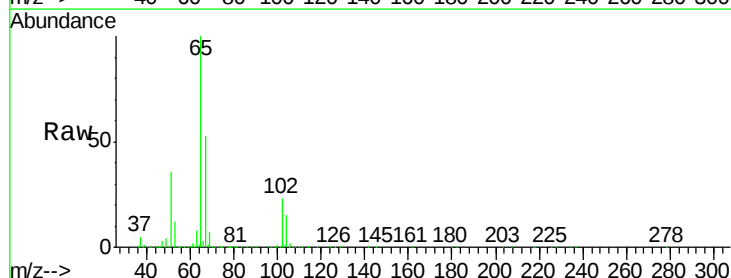
Acq: 05 Feb 2019 18:05

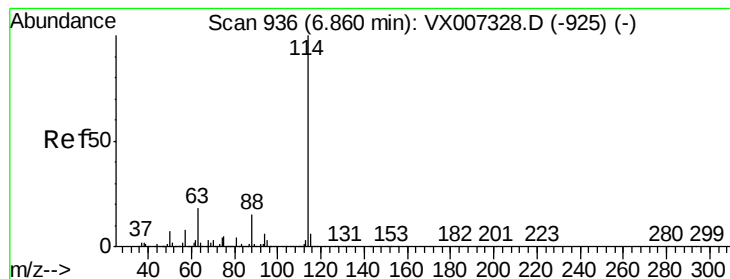
Tgt Ion: 65 Resp: 242356

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#01

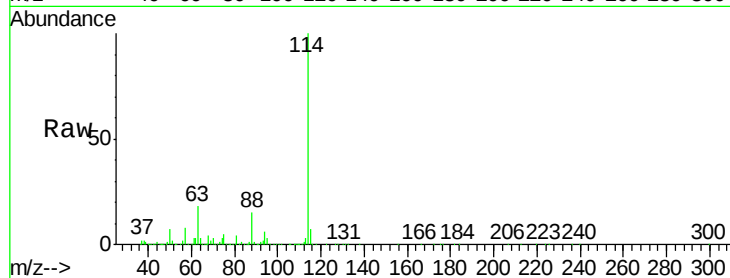
Tot Ion:114 Resp: 678853

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

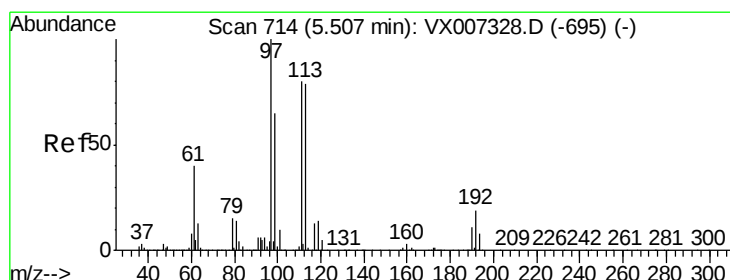
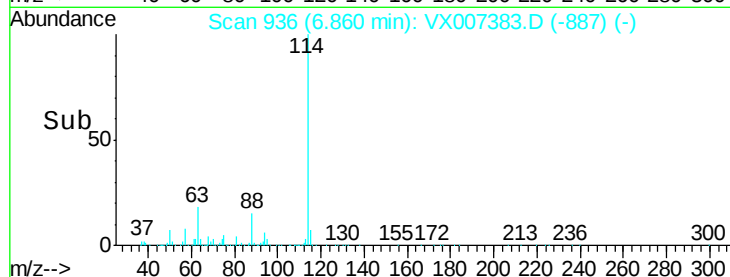
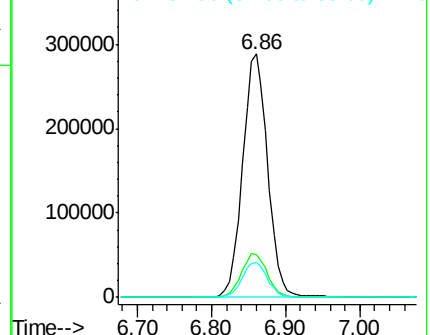
88 14.5 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 47.987 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

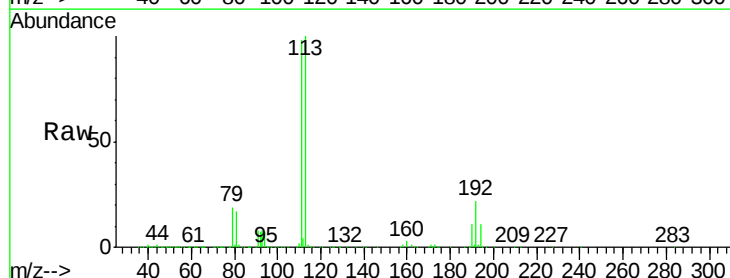
Tgt Ion:113 Resp: 211960

Ion Ratio Lower Upper

113 100

111 100.9 81.8 122.8

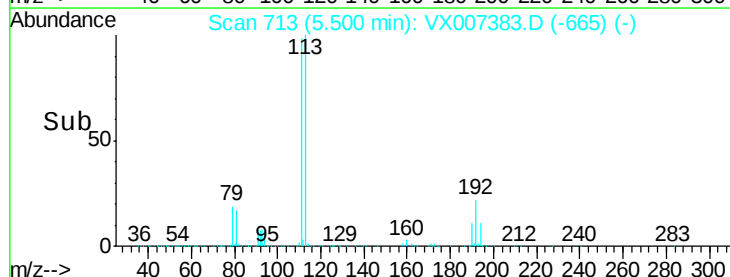
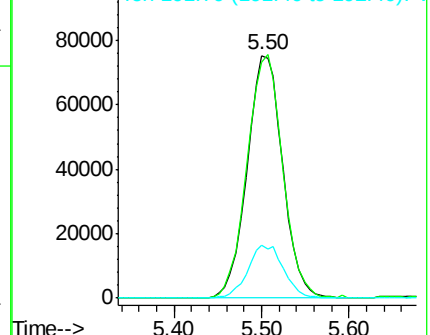
192 22.0 18.5 27.7

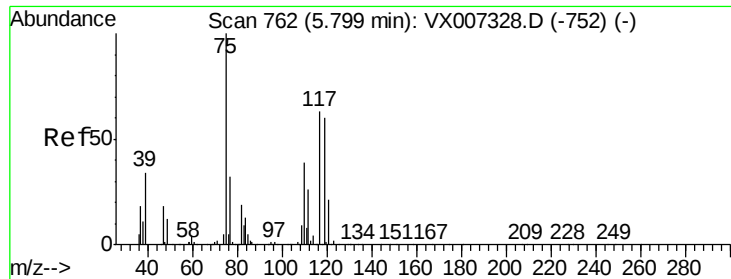


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

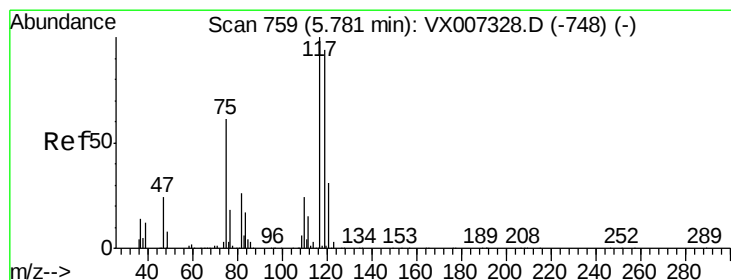
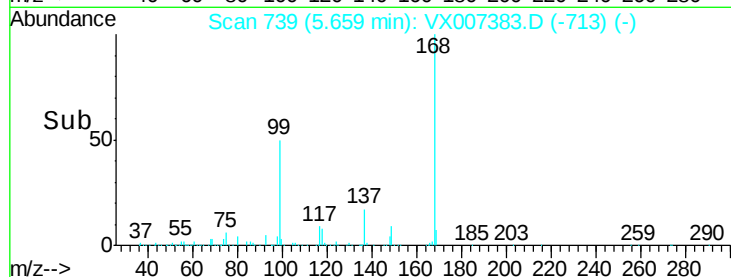
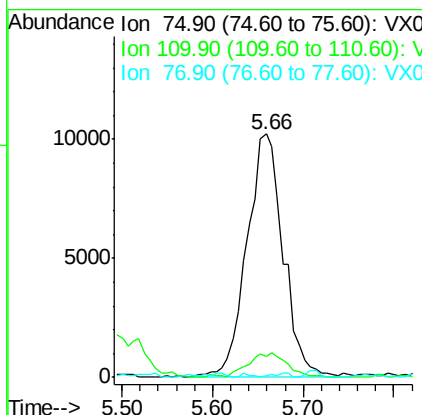
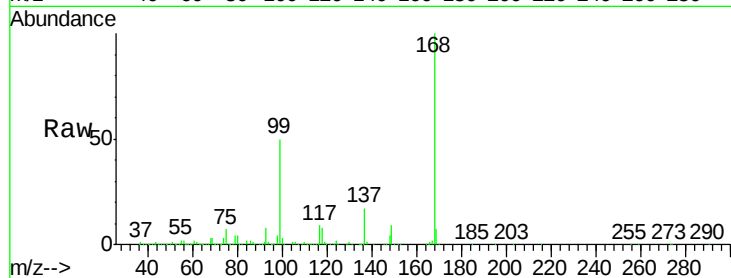




#36
 1,1-Dichloropropene
 Concen: 4.666 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007383.D
 Acq: 05 Feb 2019 18:05

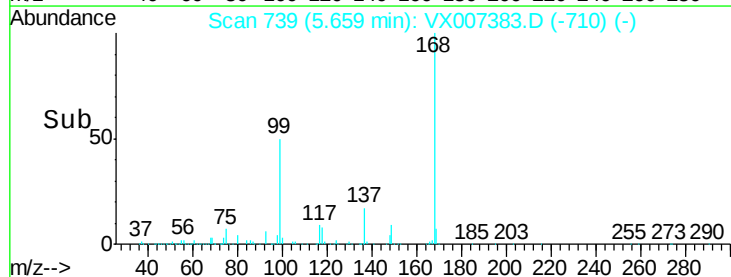
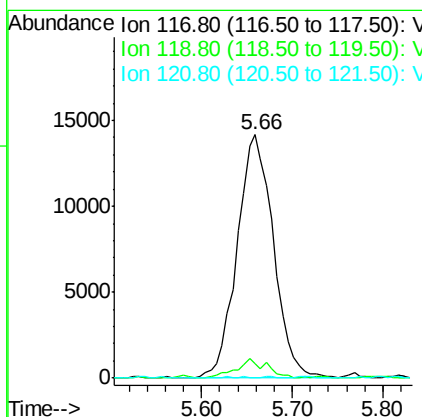
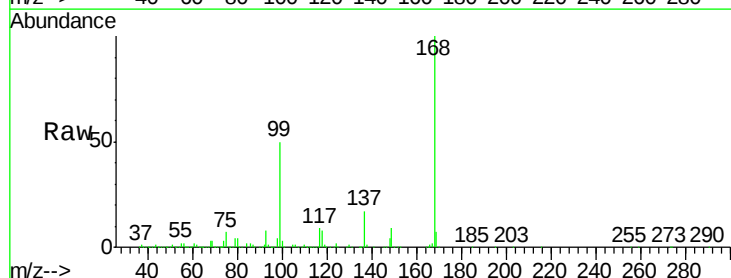
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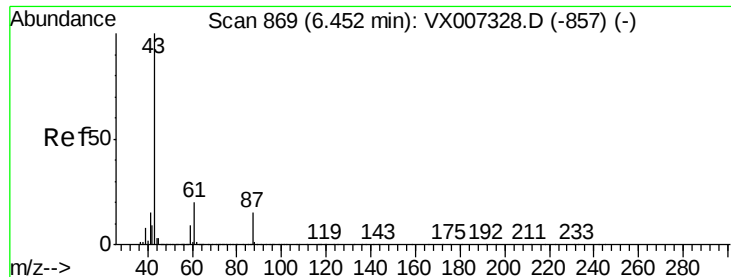
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.662 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX007383.D
 Acq: 05 Feb 2019 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.3	112.9#
121	0.0	25.0	37.4#





#43

Isopropyl Acetate

Concen: 2.773 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#01

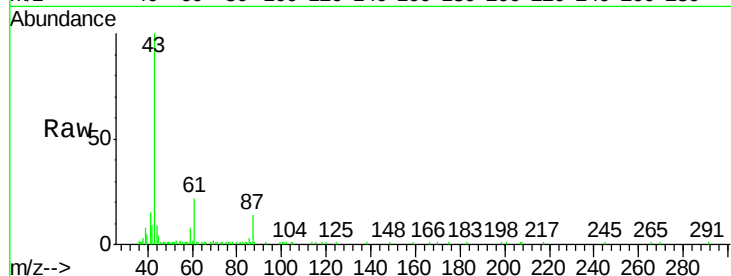
Tot Ion: 43 Resp: 26352

Ion Ratio Lower Upper

43 100

61 23.1 16.1 24.1

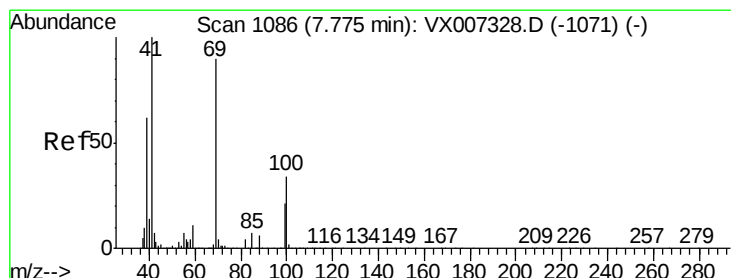
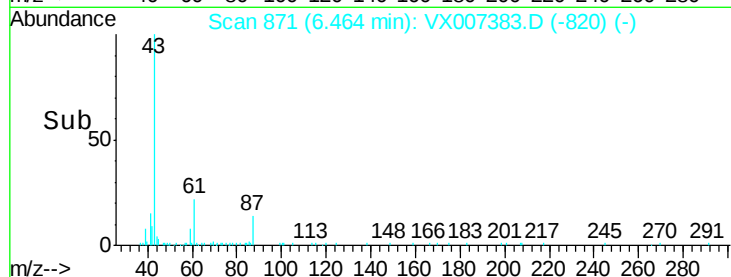
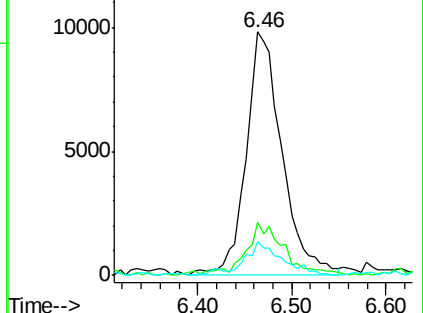
87 13.4 11.5 17.3



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

Methyl methacrylate

Concen: 2.857 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.06 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

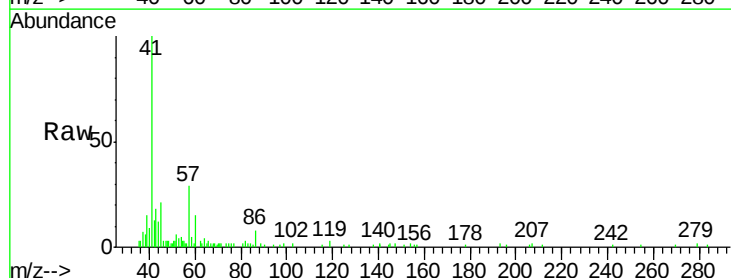
Tgt Ion: 41 Resp: 13580

Ion Ratio Lower Upper

41 100

69 1.4 70.2 105.4#

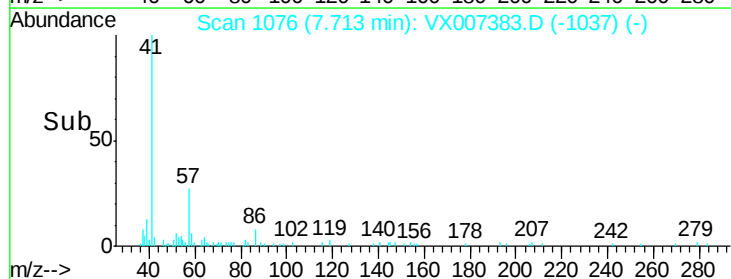
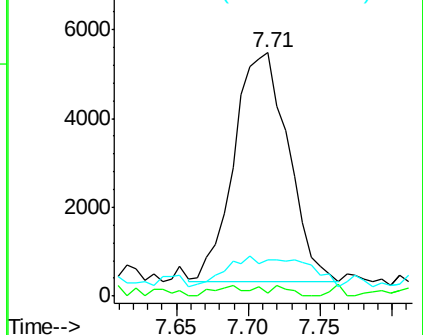
39 0.0 47.4 71.0#

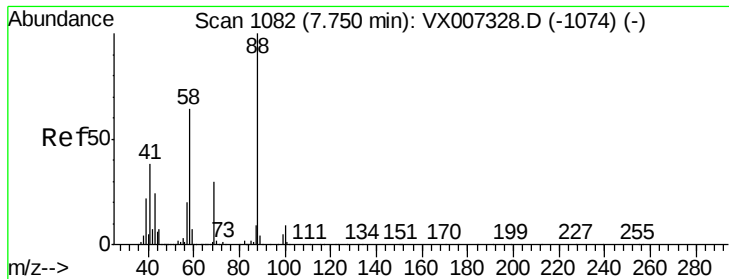


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 8.192 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#01

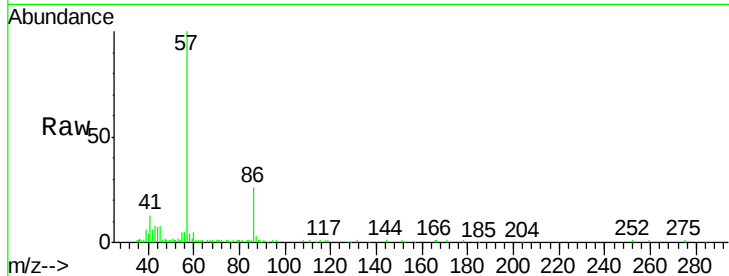
Tot Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

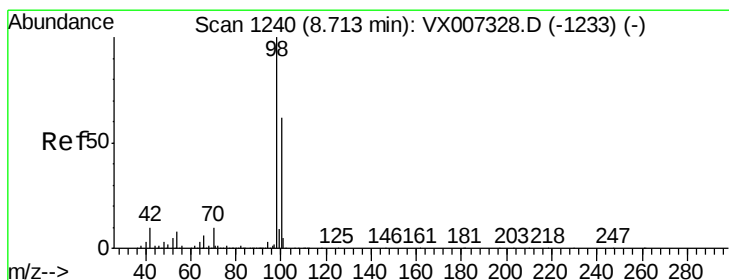
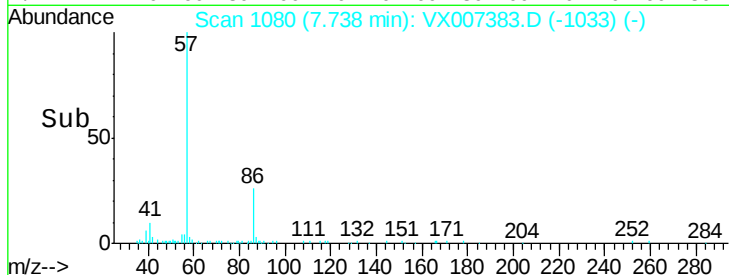
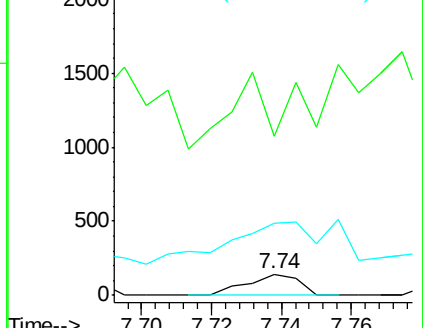
58 461.5 53.0 79.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.501 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007383.D

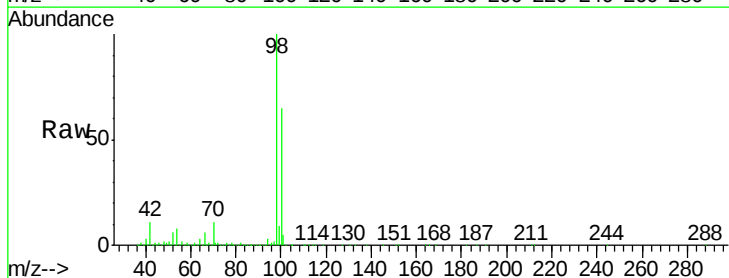
Acq: 05 Feb 2019 18:05

Tgt Ion: 98 Resp: 827607

Ion Ratio Lower Upper

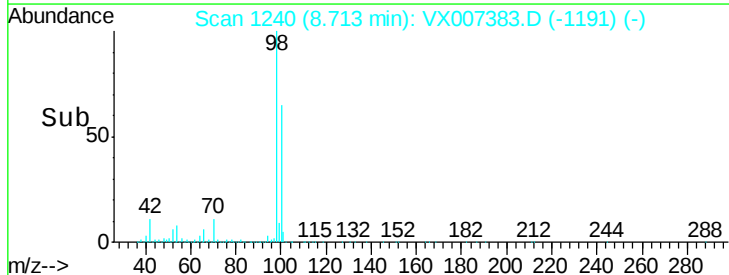
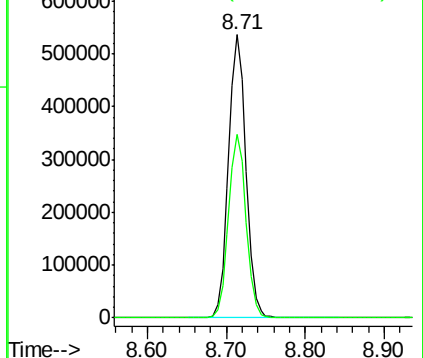
98 100

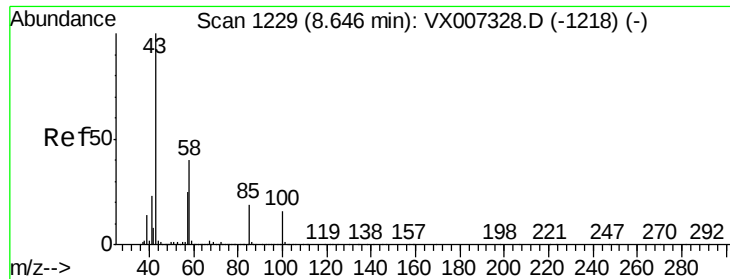
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 20.871 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

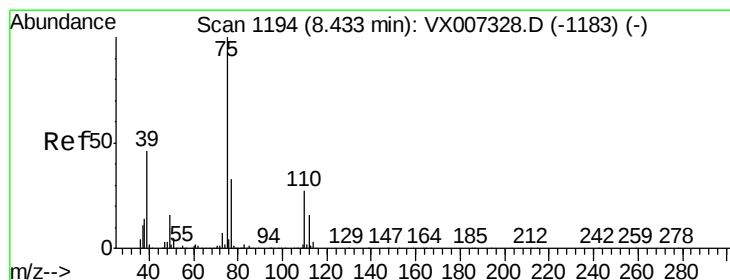
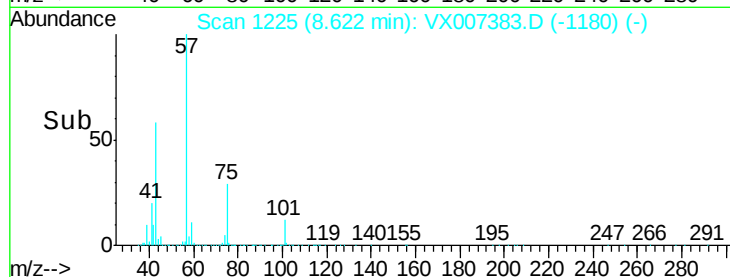
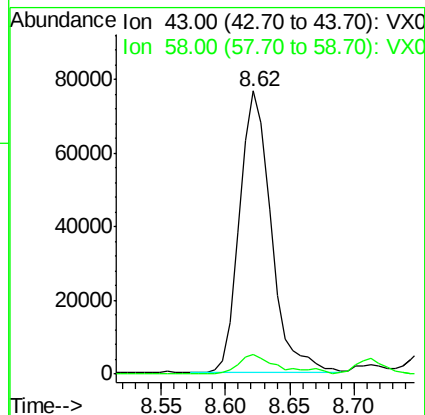
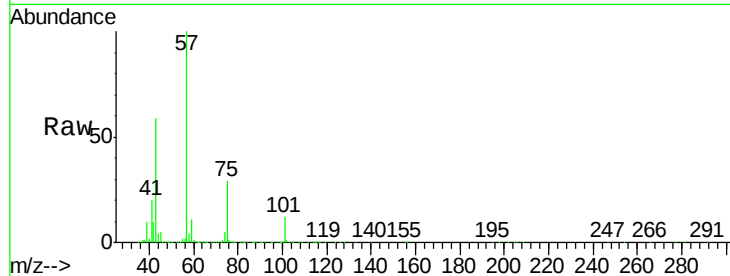
PB116824ZHE#01

Tot Ion: 43 Resp: 130573

Ion Ratio Lower Upper

43 100

58 8.9 31.2 46.8#



#54

cis-1,3-Dichloropropene

Concen: 9.504 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

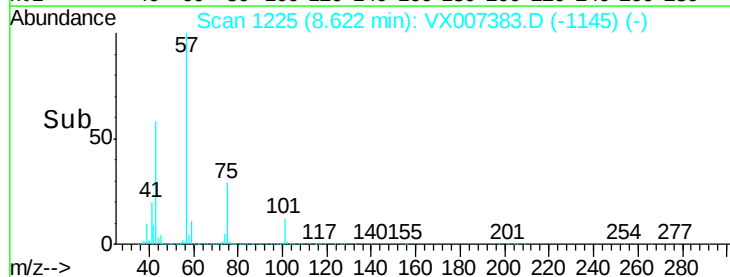
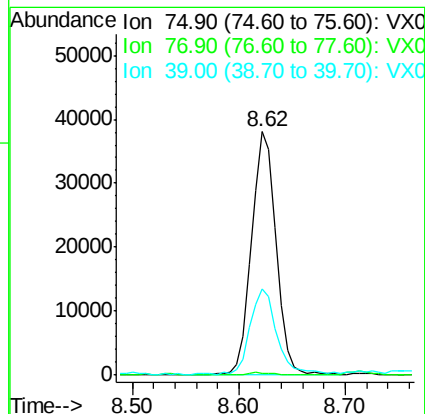
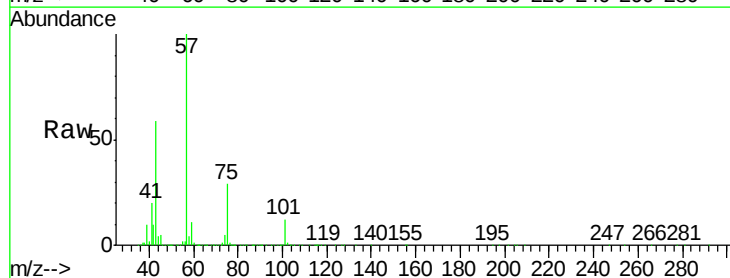
Tgt Ion: 75 Resp: 62168

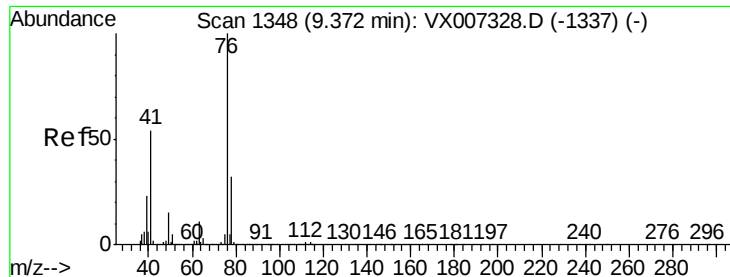
Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.4#

39 35.1 37.1 55.7#





#57

1,3-Dichloropropane

Concen: 1.957 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.18 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

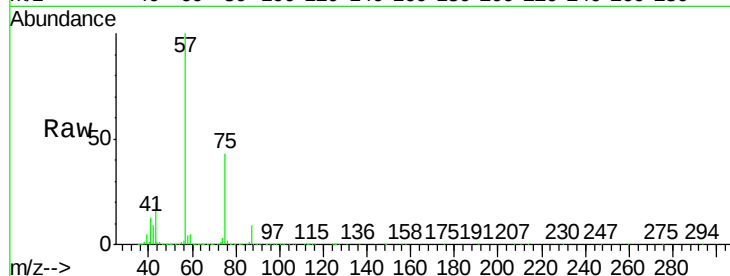
PB116824ZHE#01

Tot Ion: 76 Resp: 15017

Ion Ratio Lower Upper

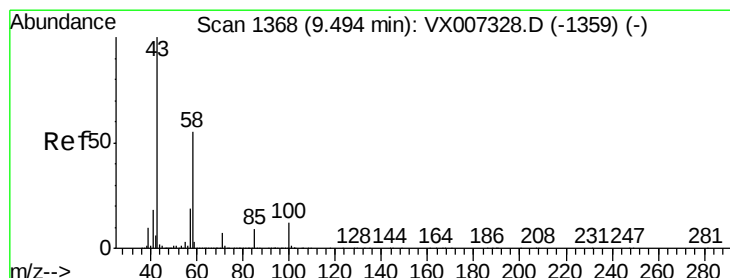
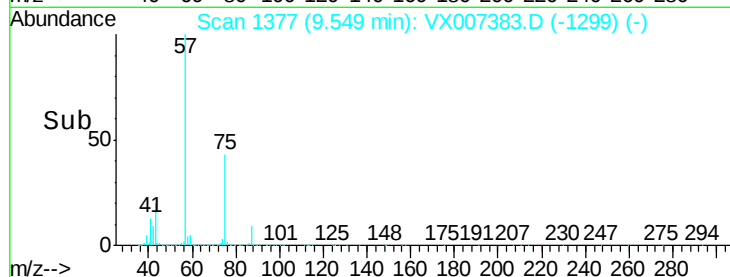
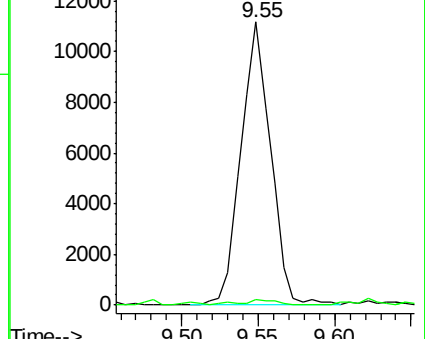
76 100

78 2.3 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 4.162 ug/l

RT: 9.44 min Scan# 1360

Delta R.T. -0.05 min

Lab File: VX007383.D

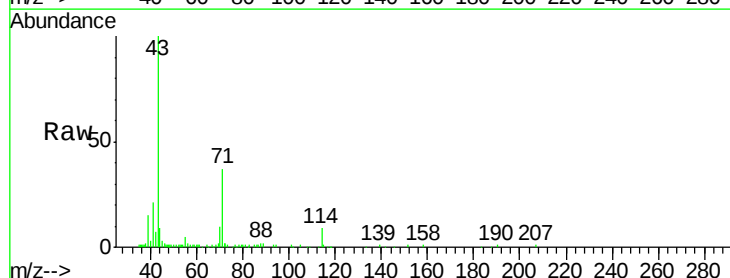
Acq: 05 Feb 2019 18:05

Tgt Ion: 43 Resp: 20264

Ion Ratio Lower Upper

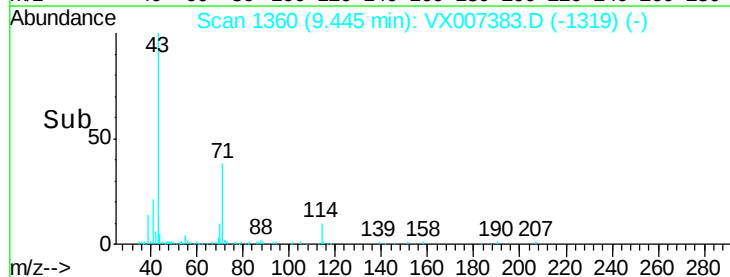
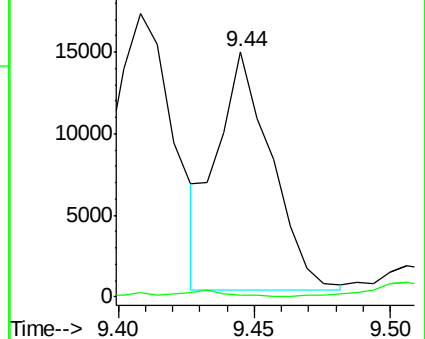
43 100

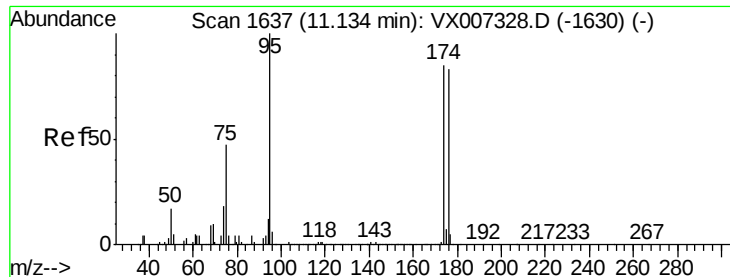
58 0.0 27.1 81.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

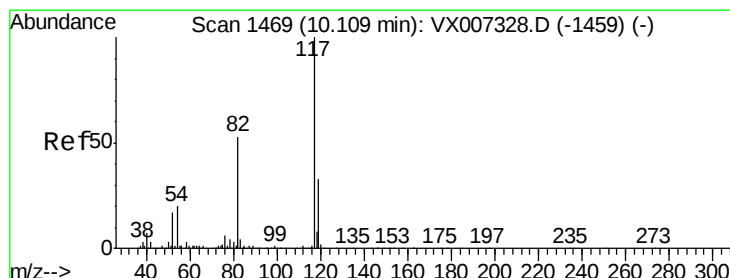
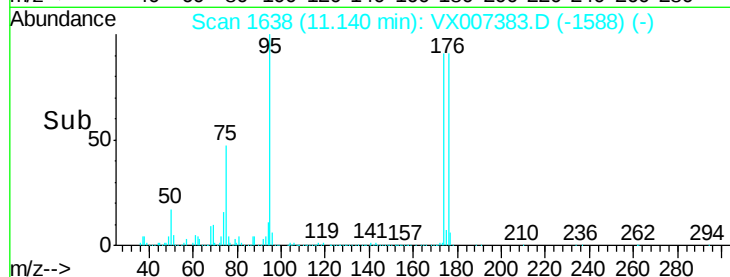
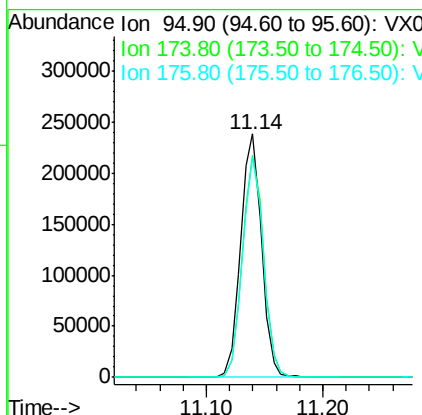
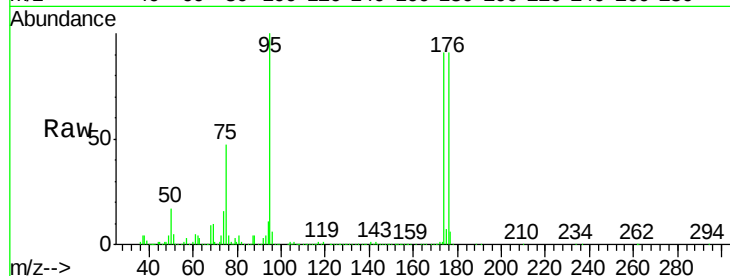




#62
4-Bromofluorobenzene
Concen: 50.202 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007383.D
Acq: 05 Feb 2019 18:05

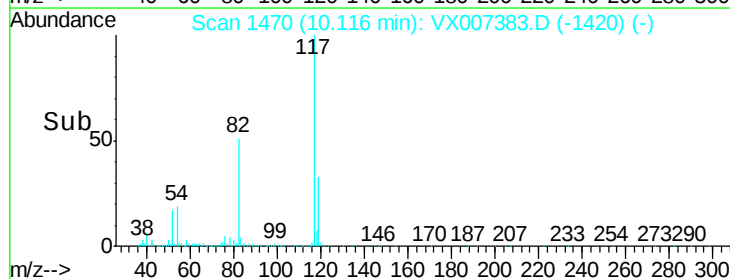
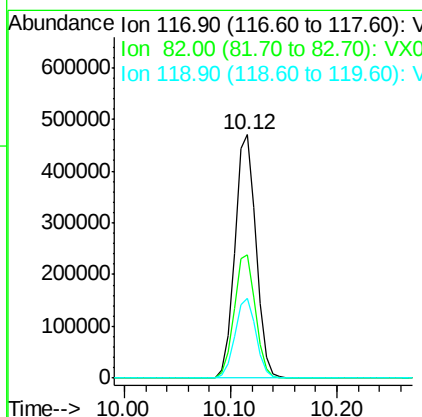
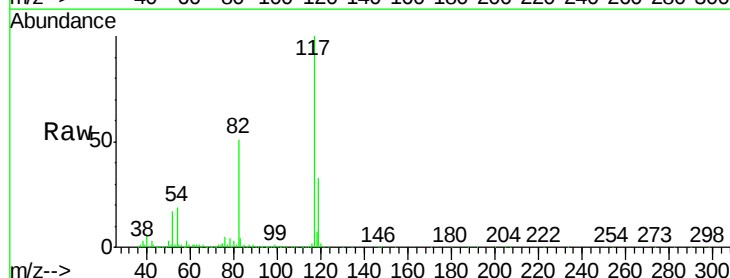
Instrument :
MSVOA_X
ClientSampleId :
PB116824ZHE#01

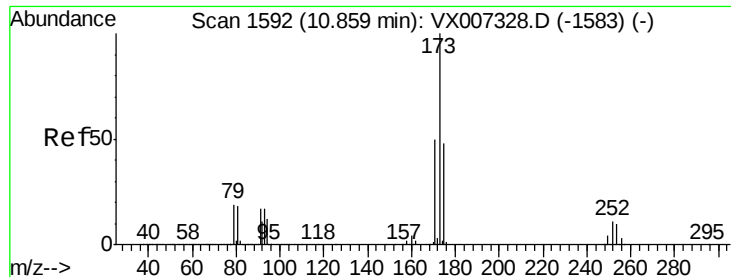
Tot Ion: 95 Resp: 300374
Ion Ratio Lower Upper
95 100
174 92.8 0.0 189.2
176 90.6 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007383.D
Acq: 05 Feb 2019 18:05

Tgt Ion: 117 Resp: 652626
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 32.7 26.5 39.7





#71

Bromoform

Concen: 4.052 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.15 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#01

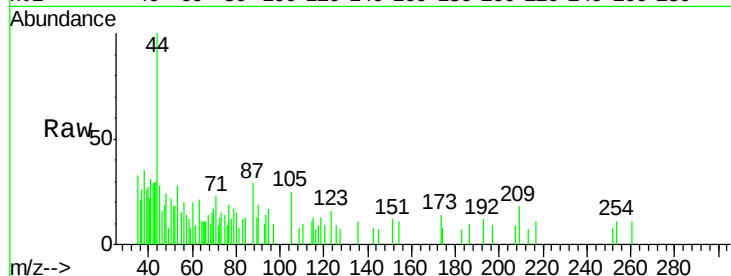
Tot Ion:173 Resp: 101

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

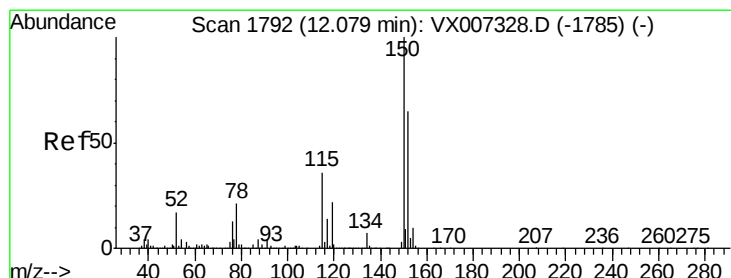
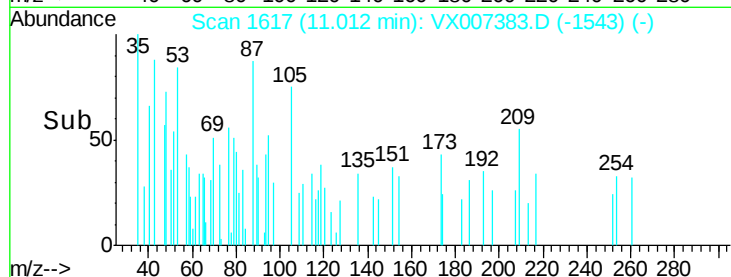
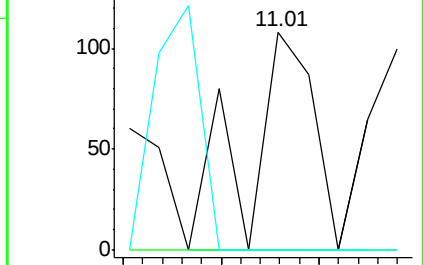
254 79.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX007383.D

Acq: 05 Feb 2019 18:05

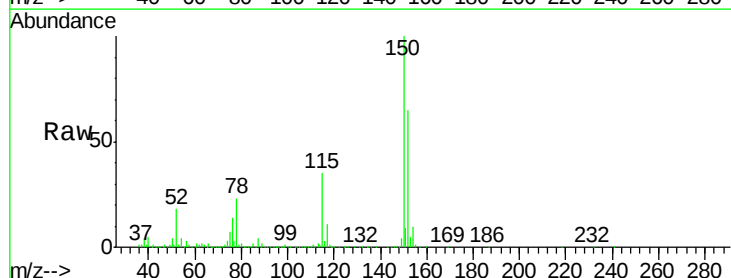
Tgt Ion:152 Resp: 329613

Ion Ratio Lower Upper

152 100

115 54.3 38.0 114.0

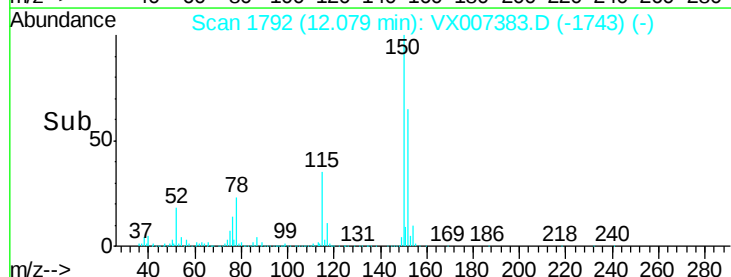
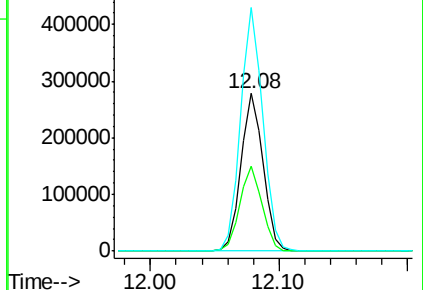
150 155.4 0.0 346.4

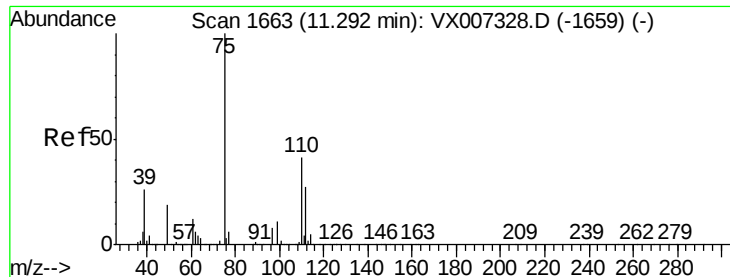


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.301 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

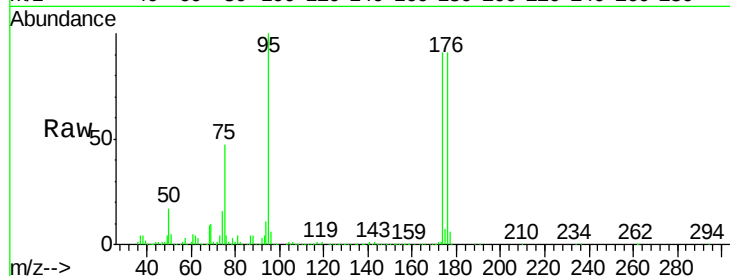
PB116824ZHE#01

Tot Ion: 75 Resp: 142977

Ion Ratio Lower Upper

75 100

77 1.7 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

120000

100000

80000

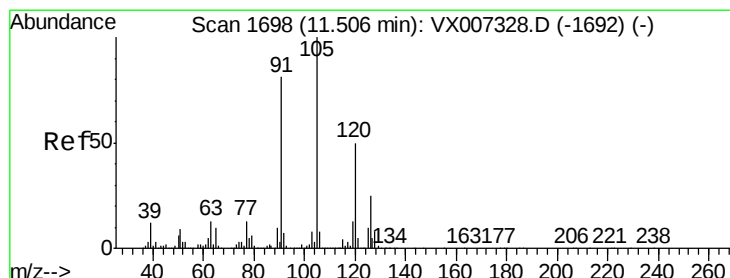
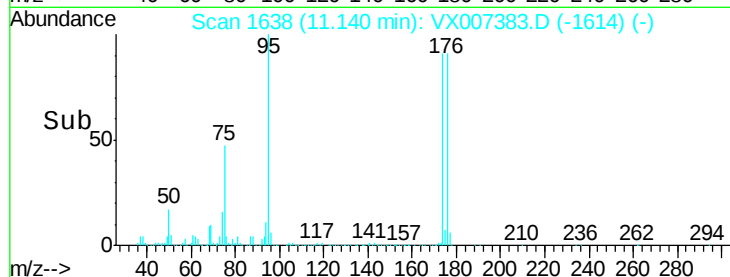
60000

40000

20000

0

Time--> 11.00 11.10 11.20



#80

1,3,5-Trimethylbenzene

Concen: 0.244 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007383.D

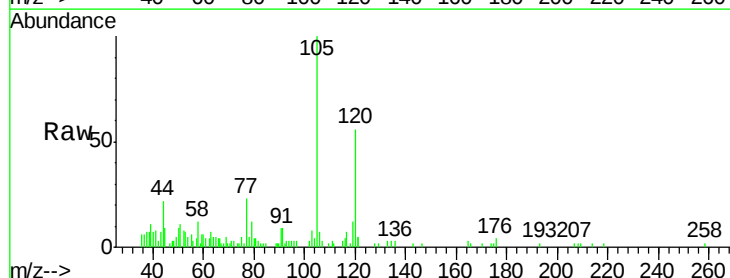
Acq: 05 Feb 2019 18:05

Tgt Ion:105 Resp: 4477

Ion Ratio Lower Upper

105 100

120 53.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

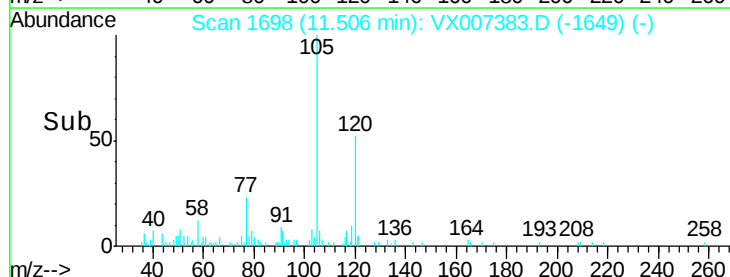
3000

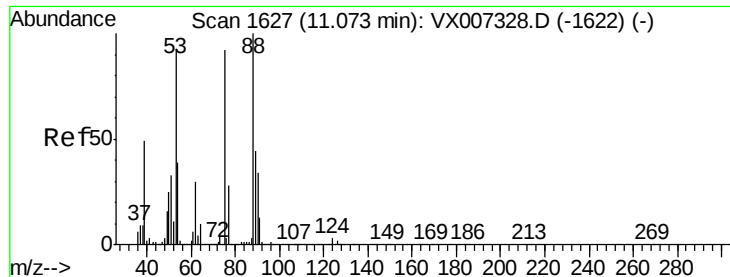
2000

1000

0

Time--> 11.45 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 67.328 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX007383.D

Acq: 05 Feb 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

PB116824ZHE#01

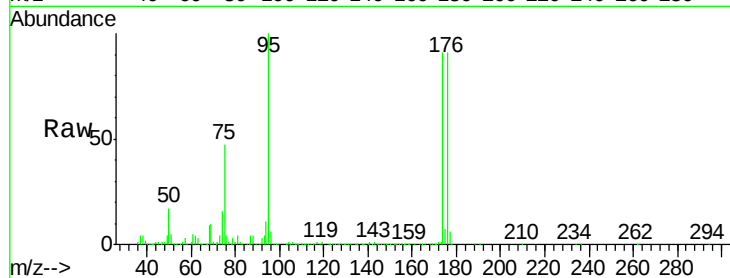
Tot Ion: 75 Resp: 142977

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.1 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

