

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121220\
 Data File : VX019938.D
 Acq On : 12 Dec 2020 17:34
 Operator : JC/MD
 Sample : PB133524ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#02

Quant Time: Dec 14 08:37:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	301816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	476578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197530	49.80	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.60%
35) Dibromofluoromethane	5.46	113	158905	48.46	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.92%
50) Toluene-d8	8.70	98	628178	50.18	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.36%
62) 4-Bromofluorobenzene	11.12	95	219042	45.97	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.94%

Target Compounds

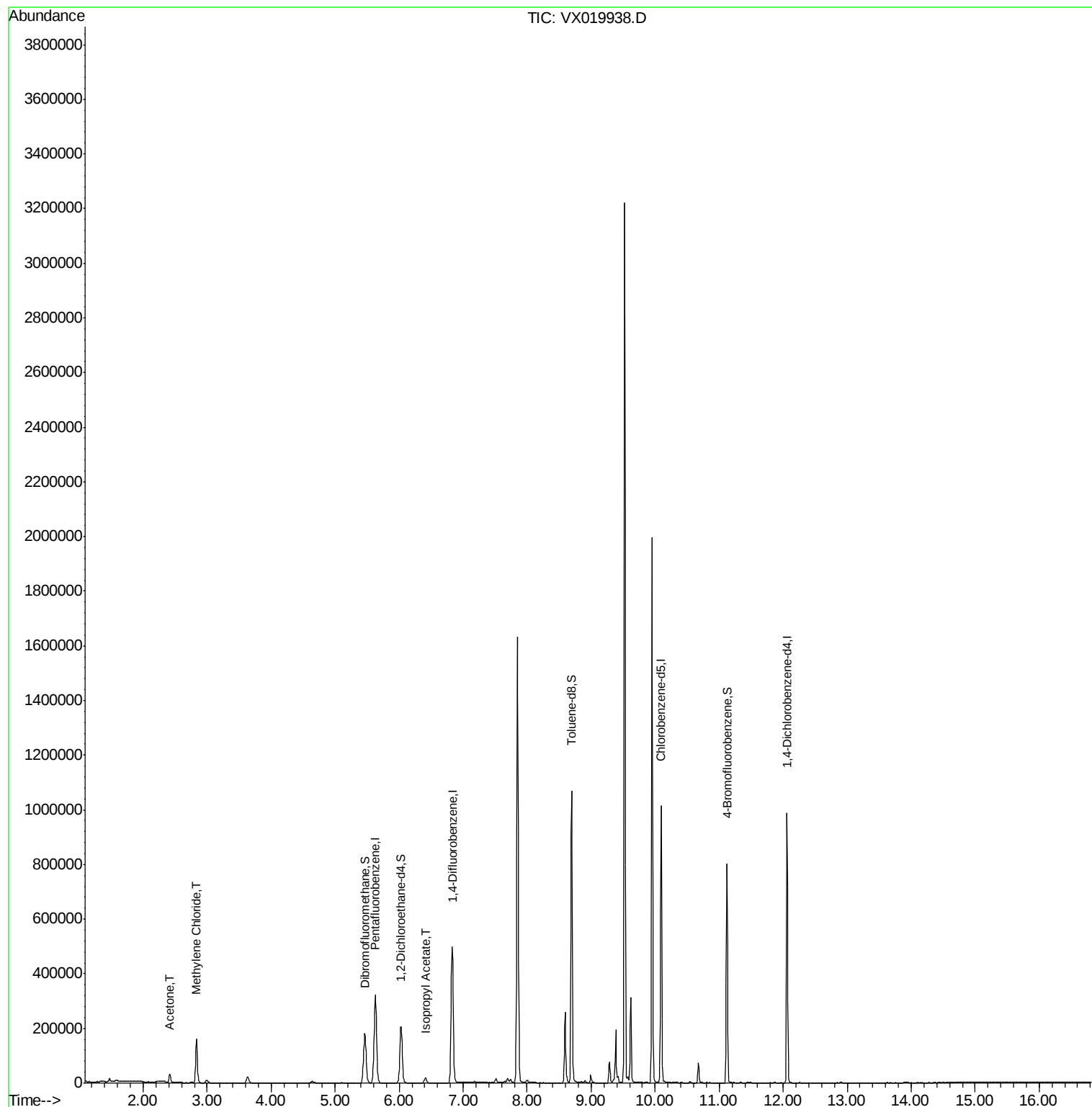
					Qvalue
16) Acetone	2.42	43	32965	22.109	ug/l 98
20) Methylene Chloride	2.83	84	78266	22.202	ug/l 98
43) Isopropyl Acetate	6.41	43	24175	3.212	ug/l 98

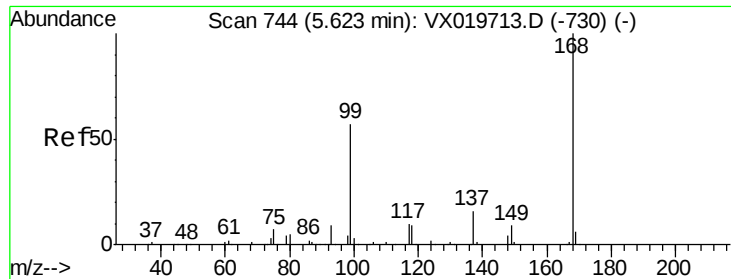
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

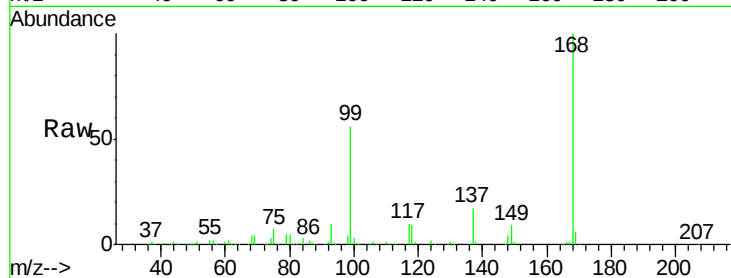
PB133524ZHE#02

Tot Ion:168 Resp: 301816

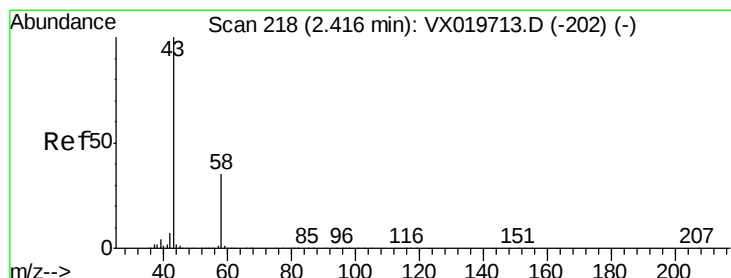
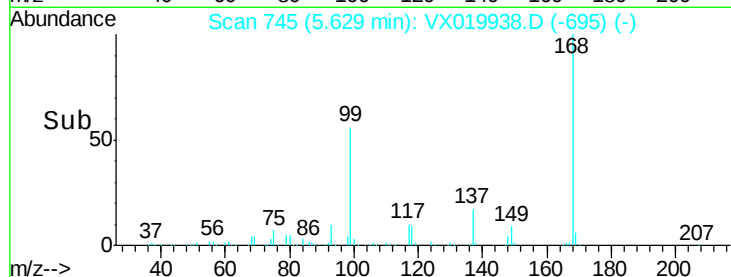
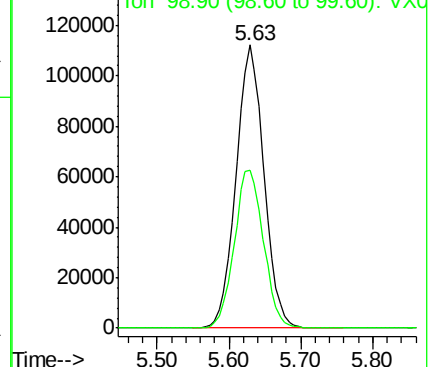
Ion Ratio Lower Upper

168 100

99 55.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 22.109 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019938.D

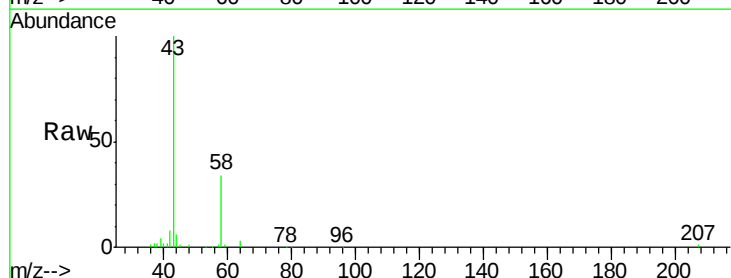
Acq: 12 Dec 2020 17:34

Tgt Ion: 43 Resp: 32965

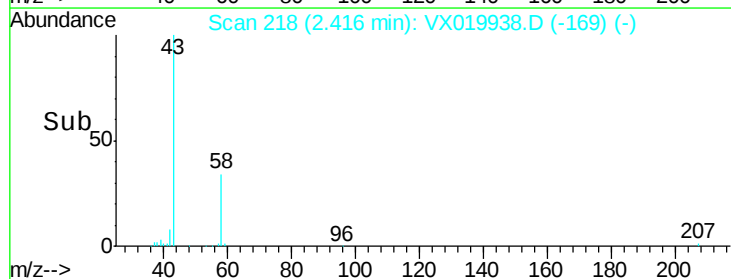
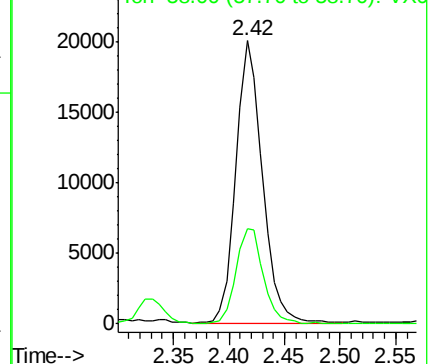
Ion Ratio Lower Upper

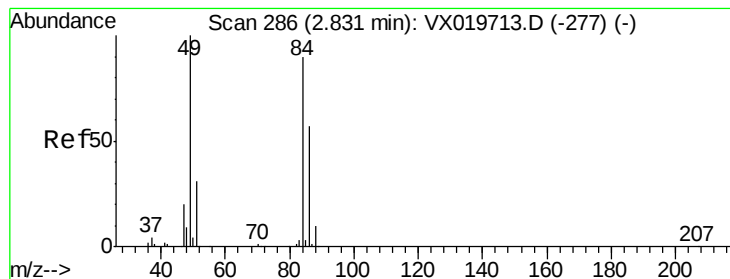
43 100

58 33.8 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0





#20

Methvlene Chloride

Concen: 22.202 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#02

Tot Ion: 84 Resp: 78266

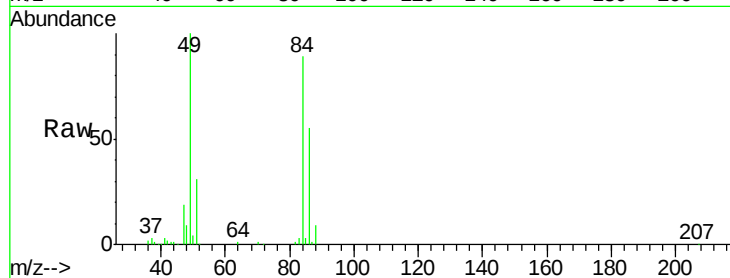
Ion Ratio Lower Upper

84 100

49 112.5 88.6 132.8

51 35.1 27.0 40.6

86 61.8 50.3 75.5

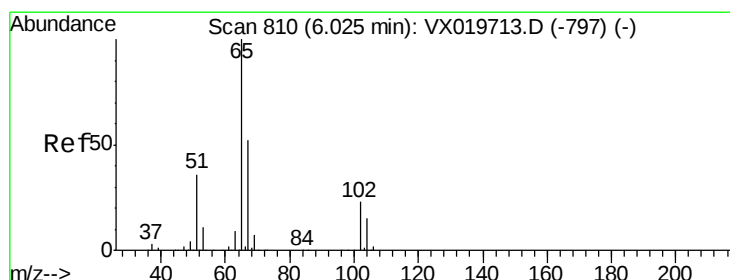
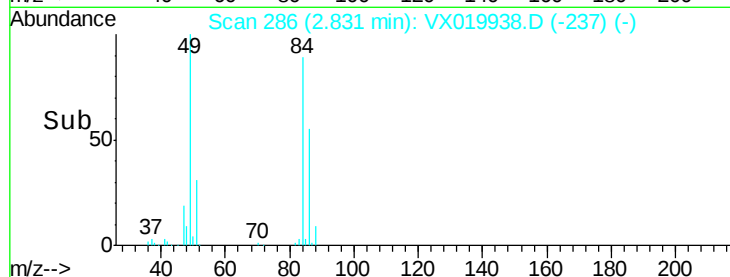
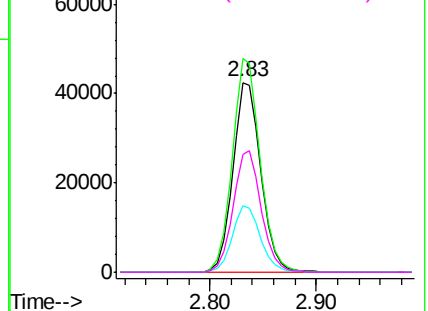


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.796 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019938.D

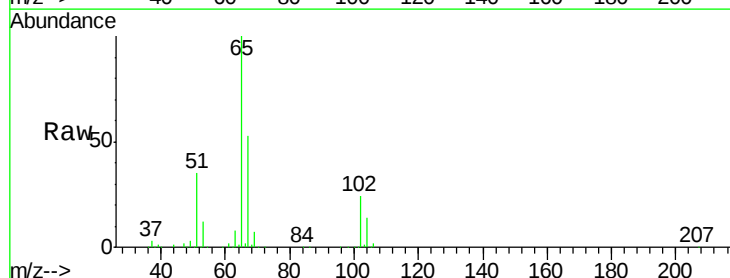
Acq: 12 Dec 2020 17:34

Tgt Ion: 65 Resp: 197530

Ion Ratio Lower Upper

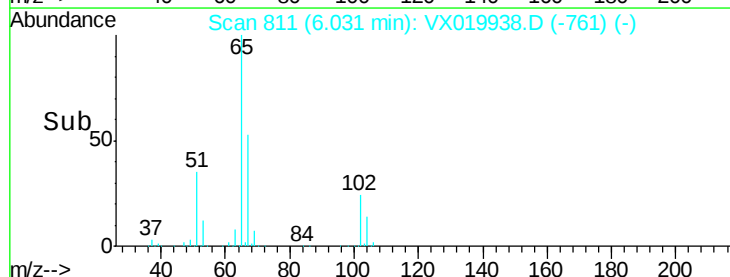
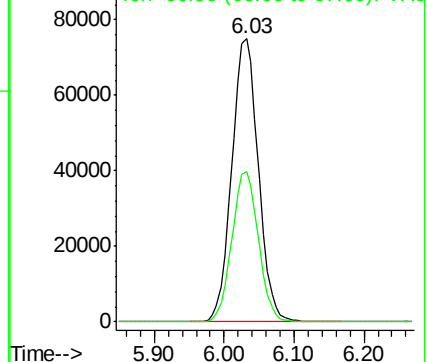
65 100

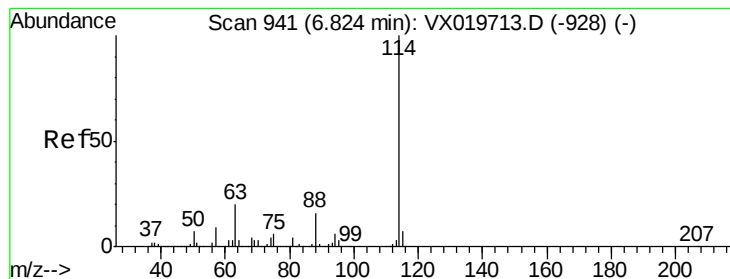
67 53.1 0.0 105.4



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: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#02

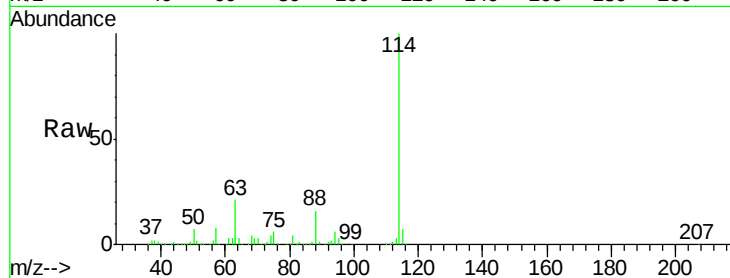
Tot Ion:114 Resp: 507403

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

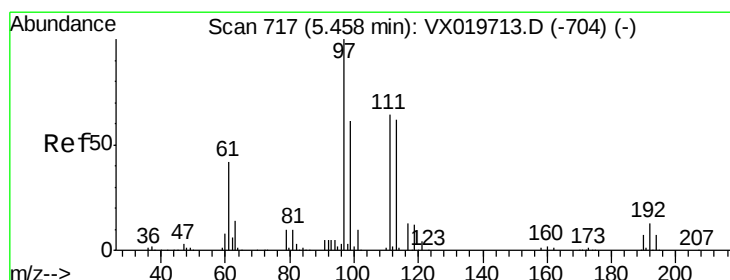
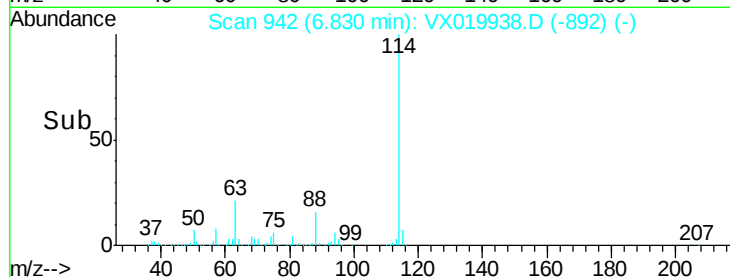
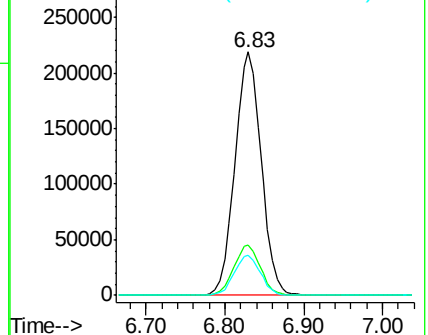
88 16.4 0.0 32.8



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: 48.457 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

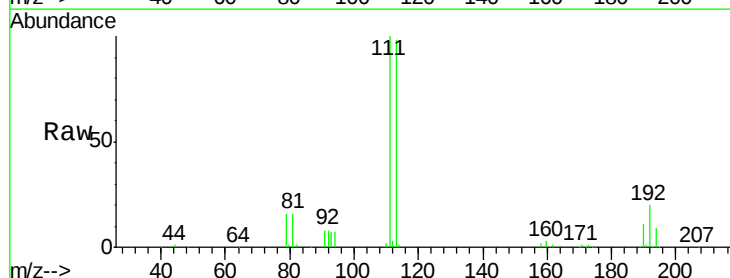
Tgt Ion:113 Resp: 158905

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

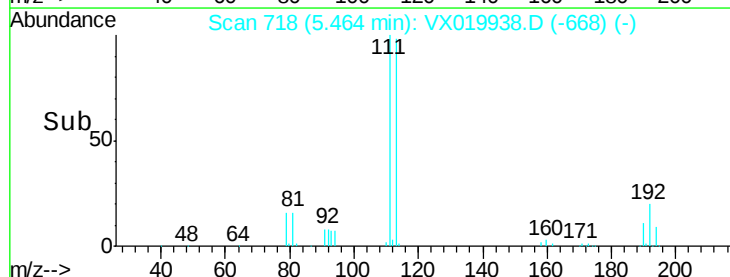
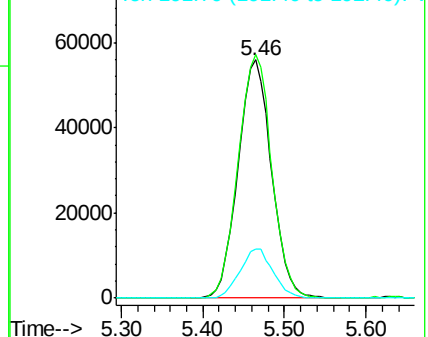
192 20.5 16.7 25.1

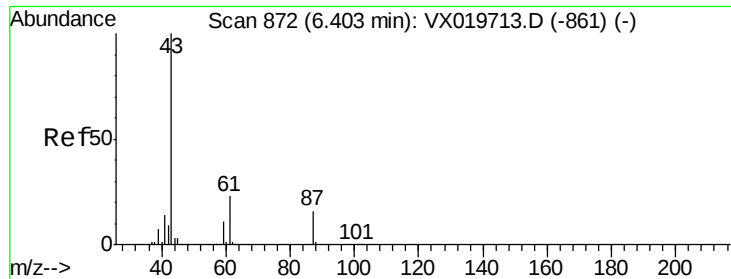


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.212 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#02

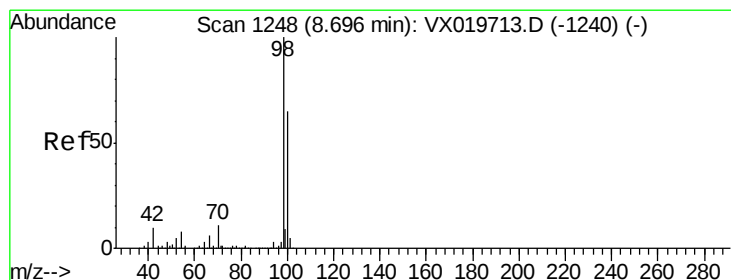
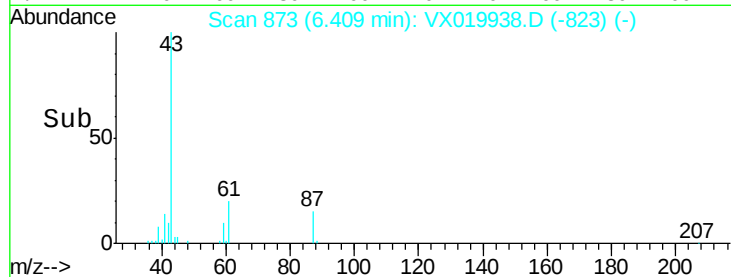
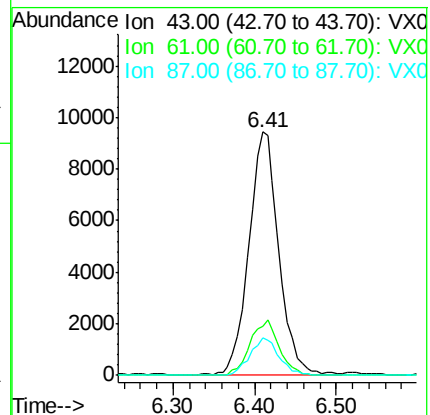
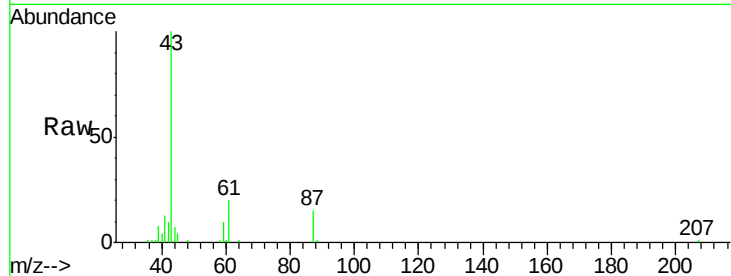
Tot Ion: 43 Resp: 24175

Ion Ratio Lower Upper

43 100

61 22.0 18.2 27.4

87 14.8 12.5 18.7



#50

Toluene-d8

Concen: 50.176 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019938.D

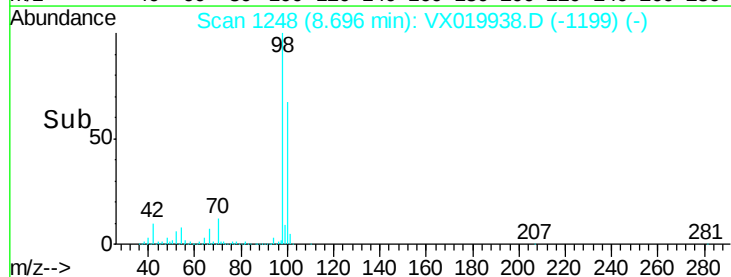
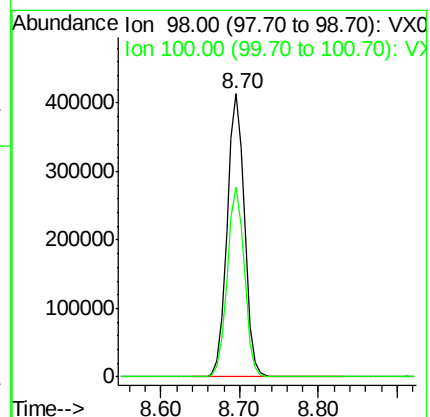
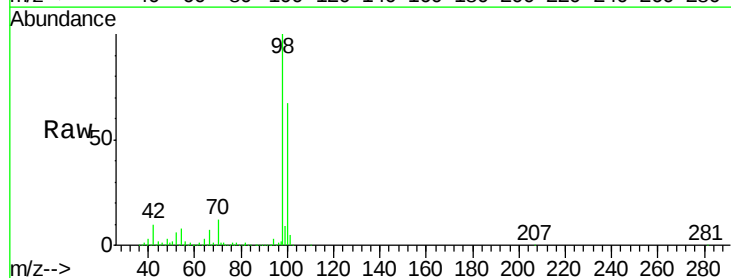
Acq: 12 Dec 2020 17:34

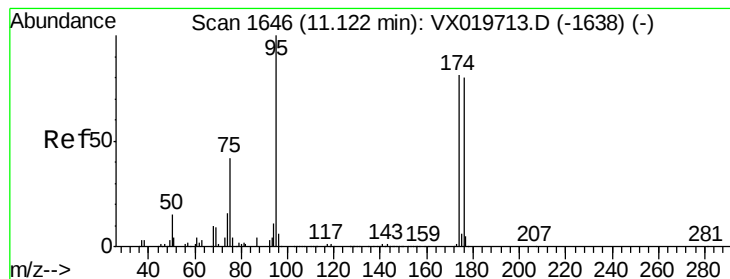
Tgt Ion: 98 Resp: 628178

Ion Ratio Lower Upper

98 100

100 66.5 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 45.968 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#02

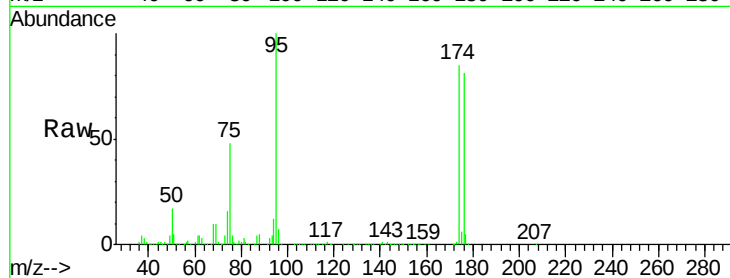
Tot Ion: 95 Resp: 219042

Ion Ratio Lower Upper

95 100

174 78.3 0.0 154.6

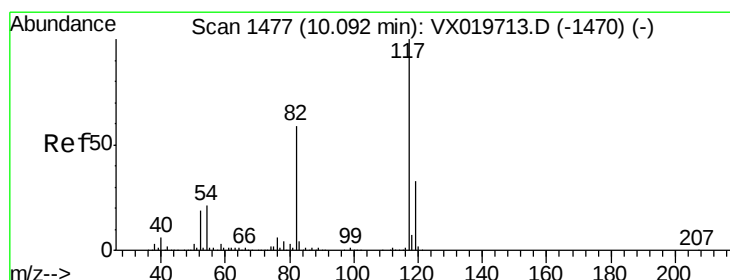
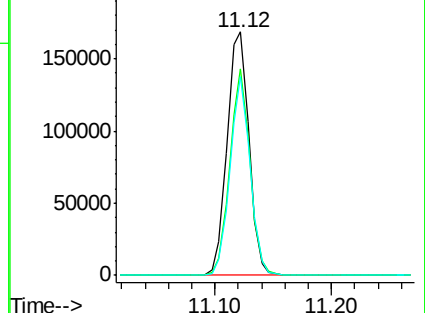
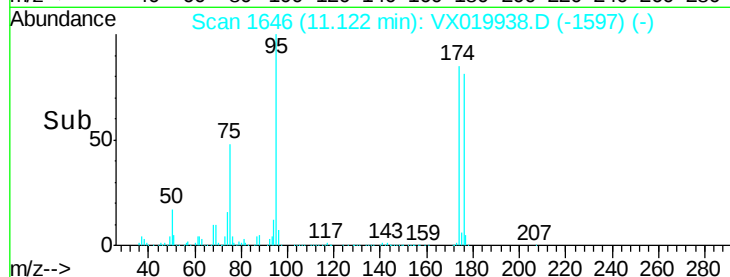
176 74.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019938.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019938.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019938.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

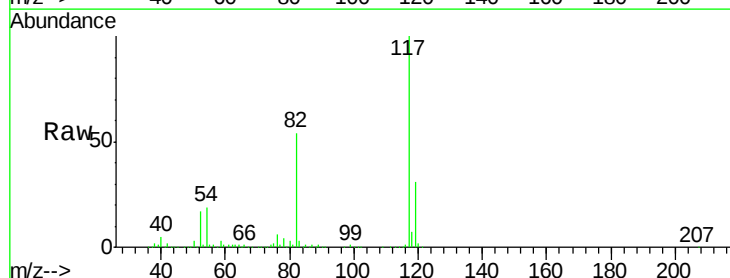
Tgt Ion: 117 Resp: 476578

Ion Ratio Lower Upper

117 100

82 53.5 47.4 71.2

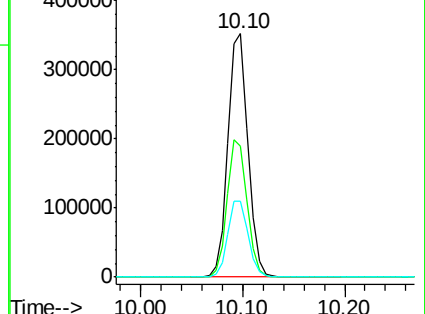
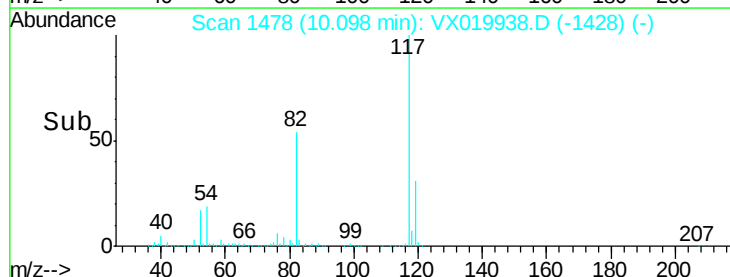
119 31.2 26.6 39.8

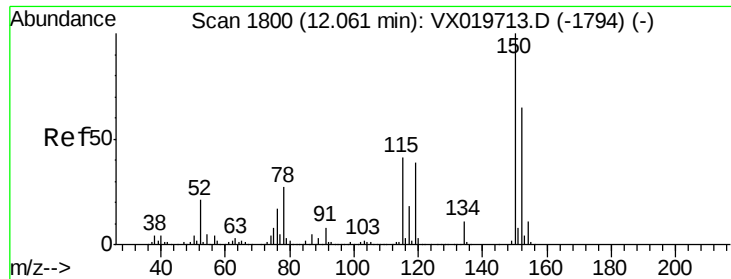


Abundance Ion 116.90 (116.60 to 117.60): VX019938.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019938.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019938.D (-1428) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019938.D

Acq: 12 Dec 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#02

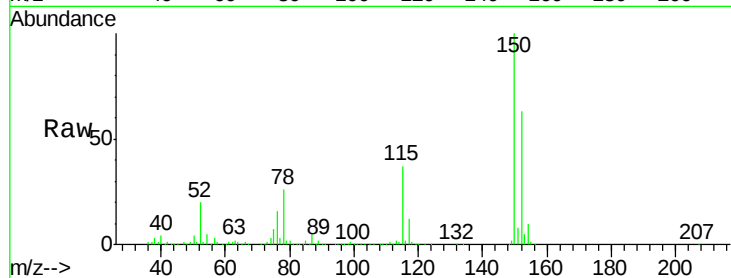
Tot Ion:152 Resp: 200987

Ion Ratio Lower Upper

152 100

115 60.5 41.1 123.3

150 156.1 0.0 349.0



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

