

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034428.D
 Acq On : 2 Dec 2019 16:16
 Operator : SY/AP
 Sample : K6068-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL2

Quant Time: Dec 03 12:03:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	946194	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1934944	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1881431	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1561882	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

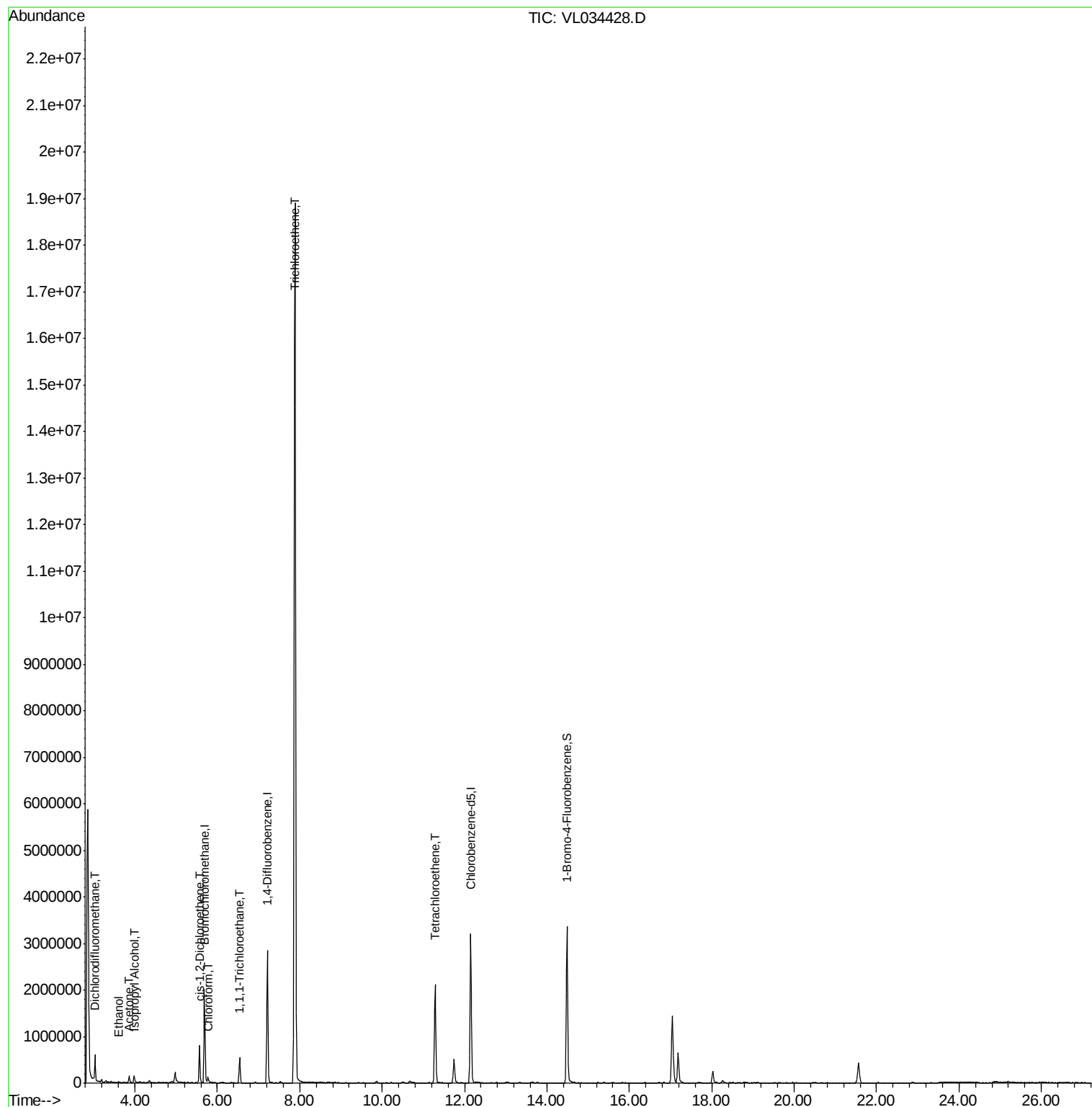
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	382629	2.235	ppbv	94
13) Ethanol	3.61	45	20847	1.428	ppbv	97
15) Acetone	3.85	43	145925	1.077	ppbv	99
19) Isopropyl Alcohol	3.98	45	155771	1.794	ppbv	100
29) Chloroform	5.77	83	76338	0.454	ppbv	100
31) cis-1,2-Dichloroethene	5.57	61	444557	4.141	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	324801	2.059	ppbv	97
38) Trichloroethene	7.88	130	6639680	83.648	ppbv	93
52) Tetrachloroethene	11.28	164	510929	6.105	ppbv	96

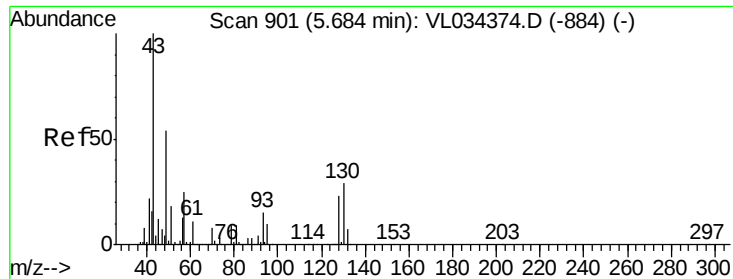
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

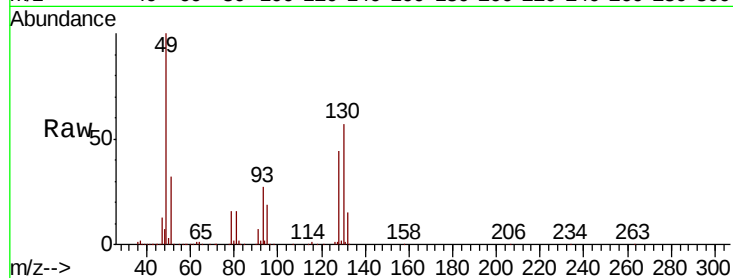
Tot Ion: 49 Resp: 946194

Ion Ratio Lower Upper

49 100

128 45.3 21.8 65.3

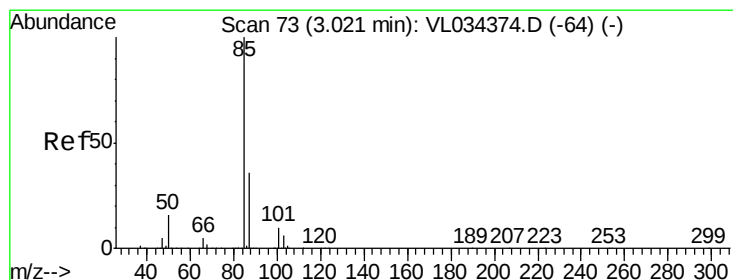
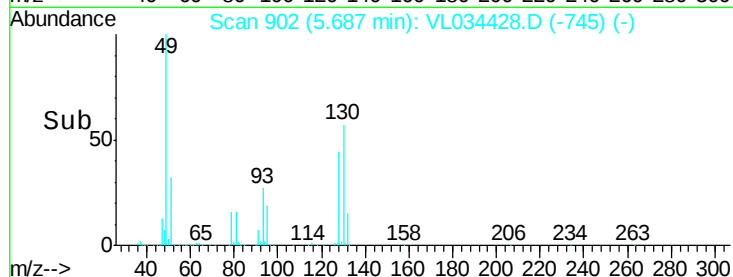
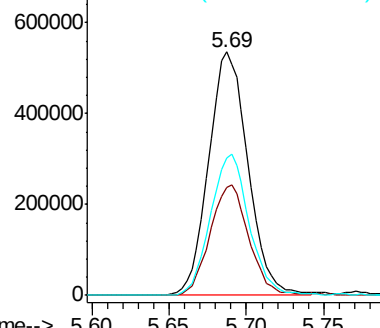
130 57.7 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.235 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.01 min

Lab File: VL034428.D

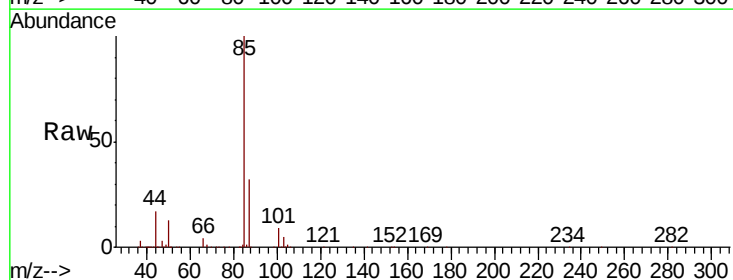
Acq: 2 Dec 2019 16:16

Tgt Ion: 85 Resp: 382629

Ion Ratio Lower Upper

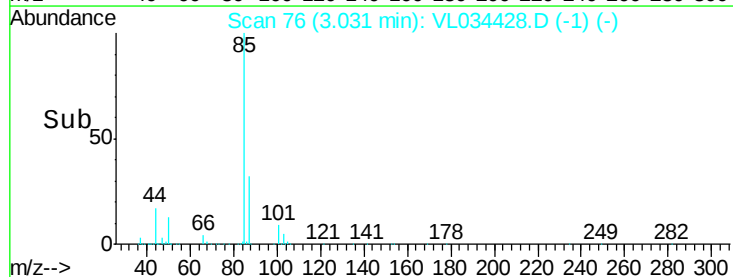
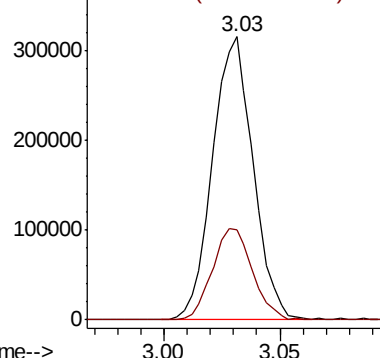
85 100

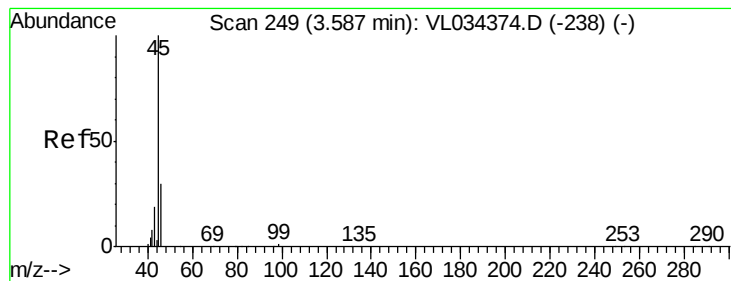
87 32.0 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#13

Ethanol

Concen: 1.428 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.02 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

Instrument :

MSVOA_L

ClientSampleId :

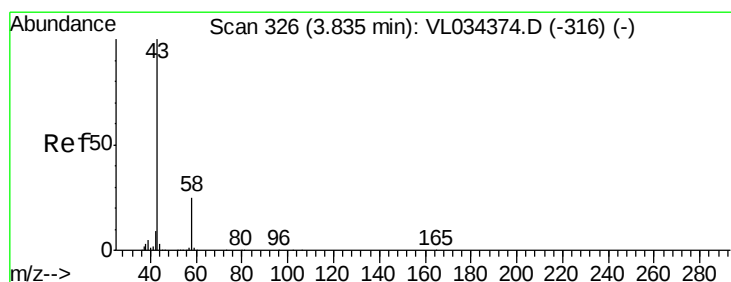
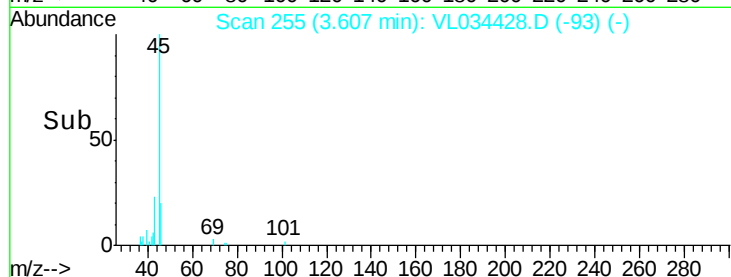
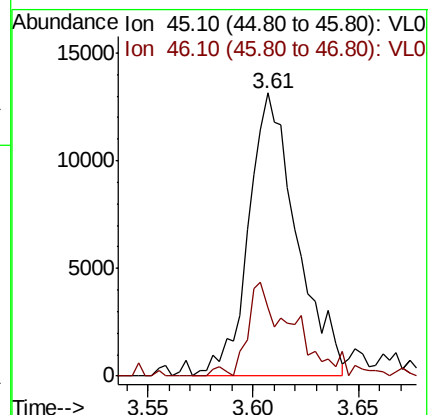
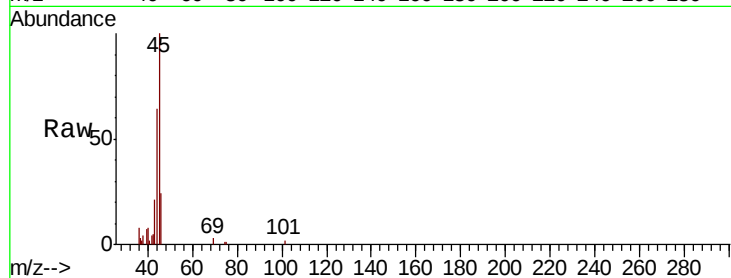
SV-2DL2

Tot Ion: 45 Resp: 20847

Ion Ratio Lower Upper

45 100

46 32.8 13.8 55.4



#15

Acetone

Concen: 1.077 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL034428.D

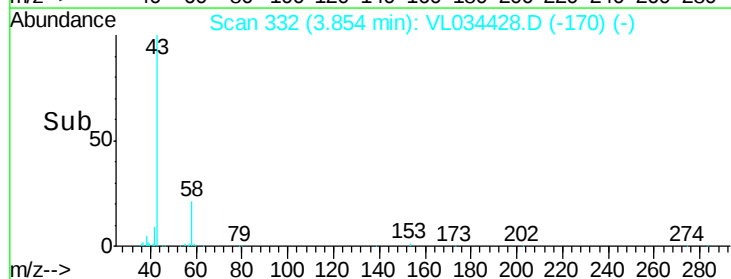
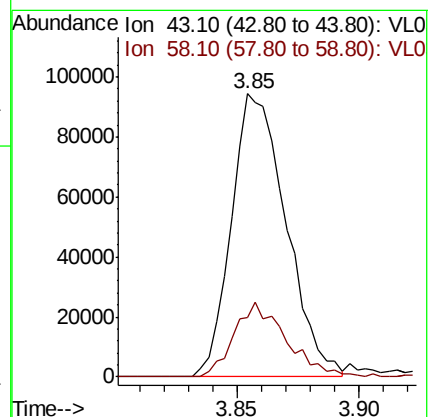
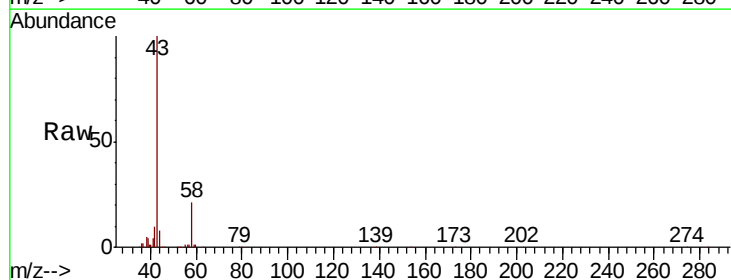
Acq: 2 Dec 2019 16:16

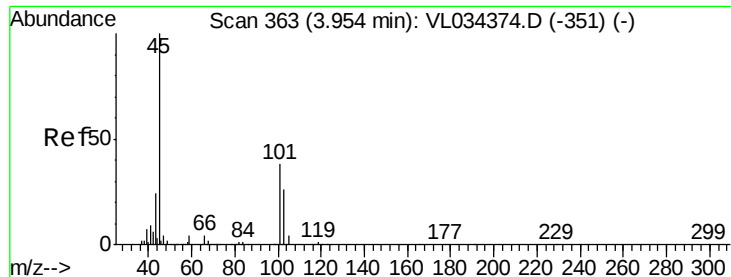
Tgt Ion: 43 Resp: 145925

Ion Ratio Lower Upper

43 100

58 25.7 20.2 30.4





#19

Isopropyl Alcohol

Concen: 1.794 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

Instrument :

MSVOA_L

ClientSampleId :

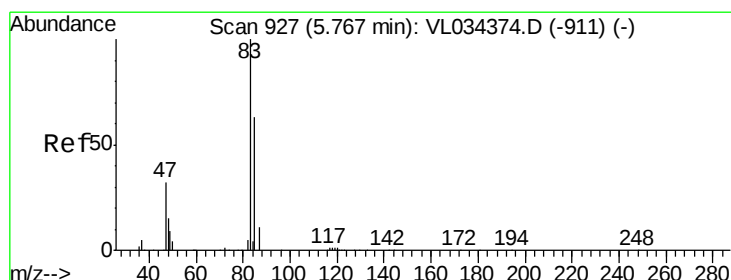
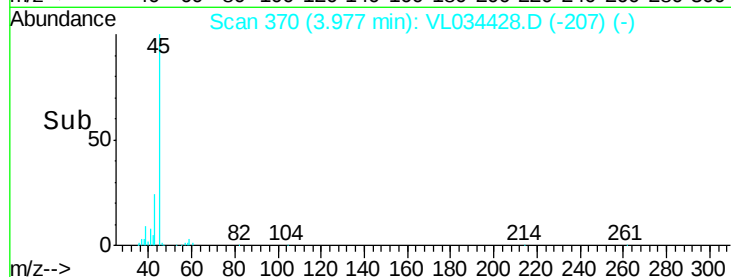
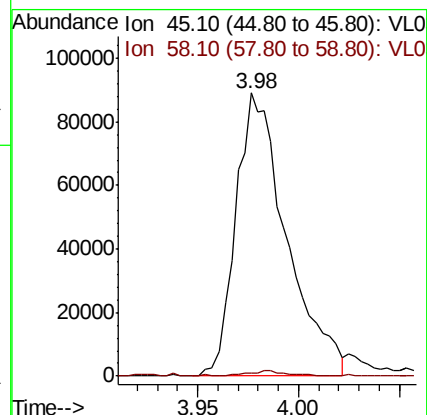
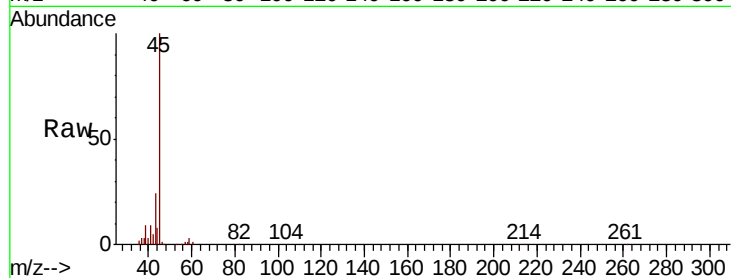
SV-2DL2

Tot Ion: 45 Resp: 155771

Ion Ratio Lower Upper

45 100

58 1.7 1.3 1.9



#29

Chloroform

Concen: 0.454 ppbv

RT: 5.77 min Scan# 929

Delta R.T. 0.01 min

Lab File: VL034428.D

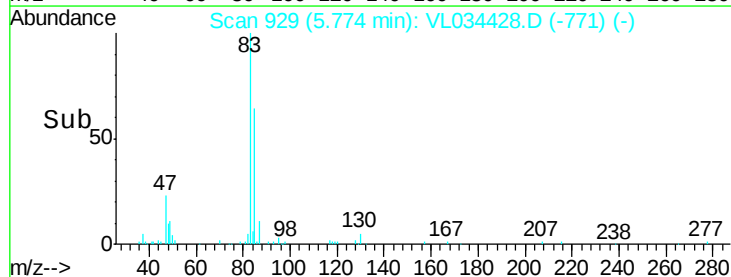
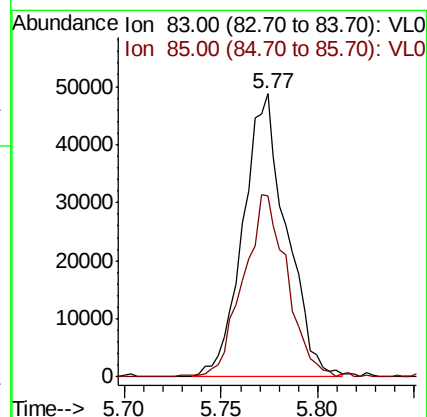
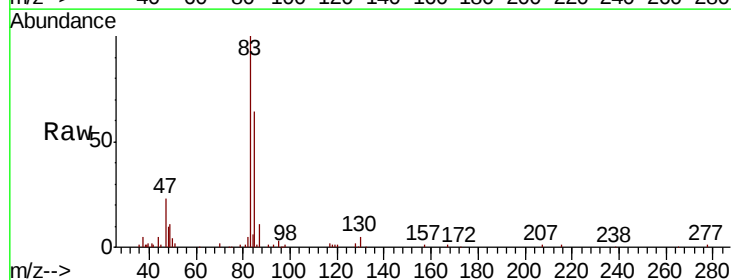
Acq: 2 Dec 2019 16:16

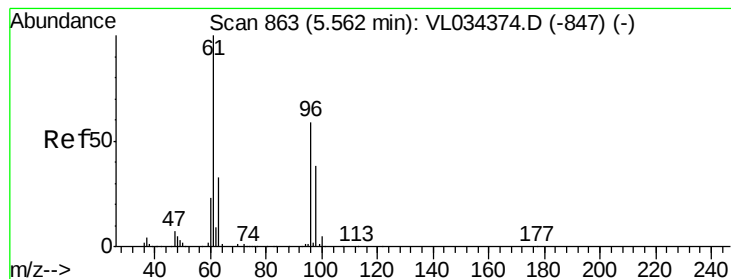
Tgt Ion: 83 Resp: 76338

Ion Ratio Lower Upper

83 100

85 63.3 50.4 75.6





#31

cis-1,2-Dichloroethene

Concen: 4.141 ppbv

RT: 5.57 min Scan# 865

Delta R.T. 0.01 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

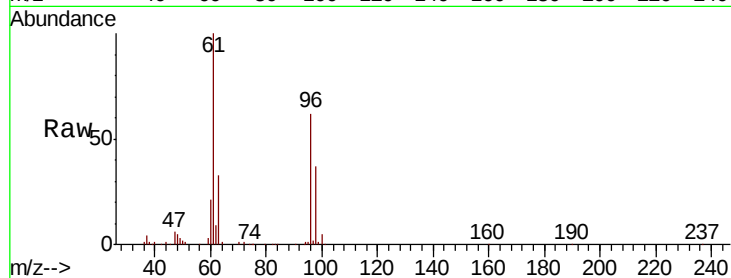
Tot Ion: 61 Resp: 444557

Ion Ratio Lower Upper

61 100

96 62.4 47.4 71.2

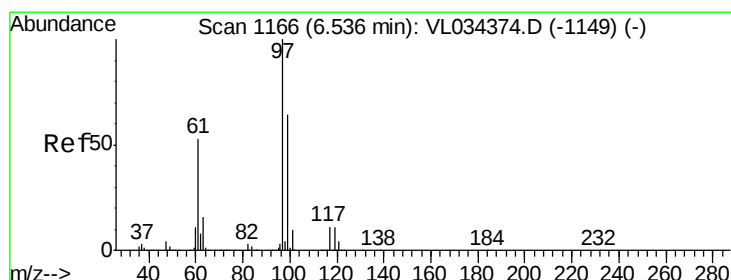
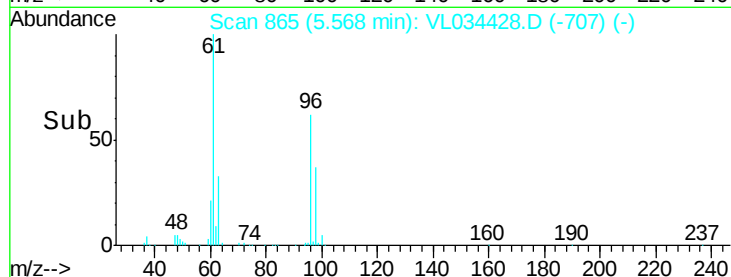
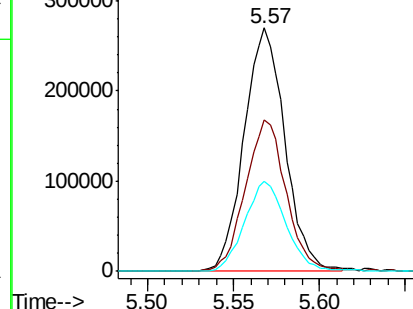
98 37.0 30.6 45.8



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 2.059 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

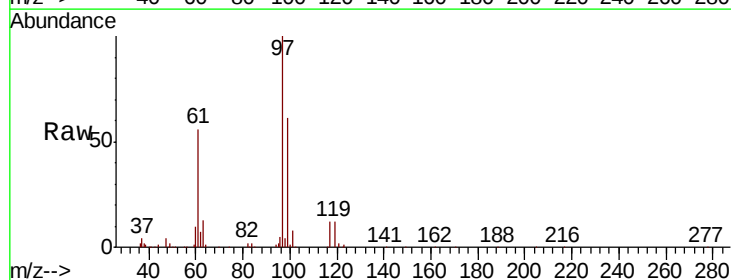
Tgt Ion: 97 Resp: 324801

Ion Ratio Lower Upper

97 100

99 62.6 52.3 78.5

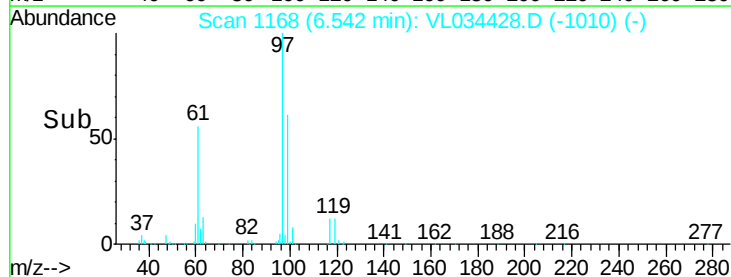
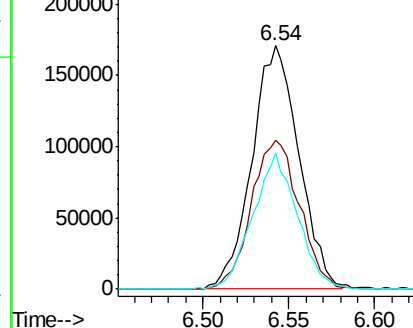
61 52.6 43.7 65.5

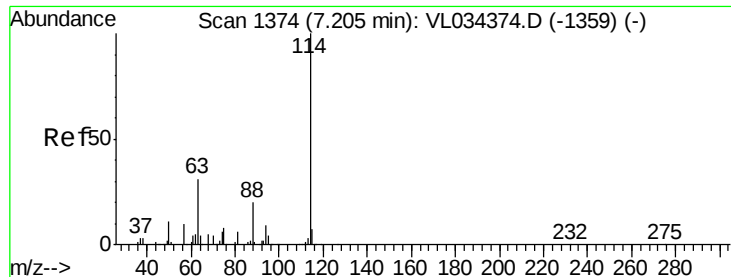


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

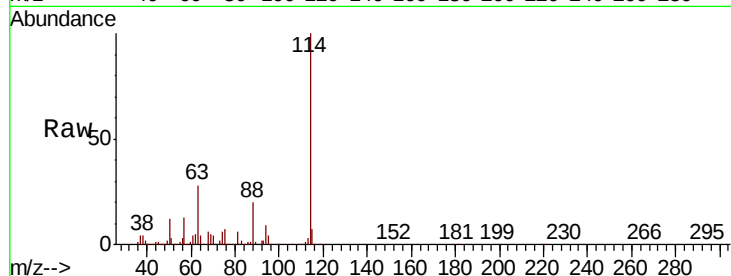




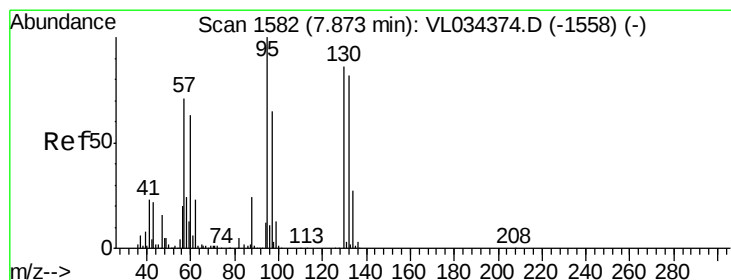
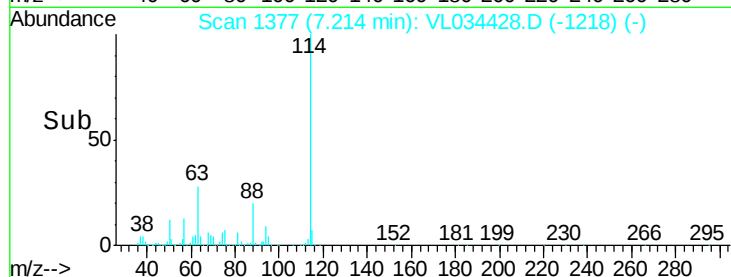
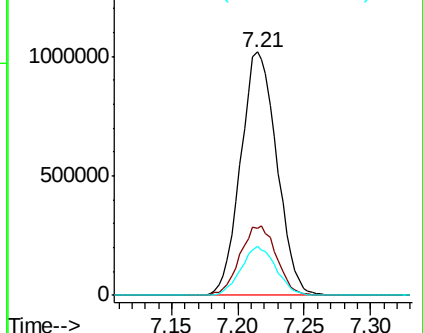
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VL034428.D
 Acq: 2 Dec 2019 16:16

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL2

Tot Ion:114 Resp: 1934944
 Ion Ratio Lower Upper
 114 100
 63 28.7 24.2 36.4
 88 19.5 15.9 23.9

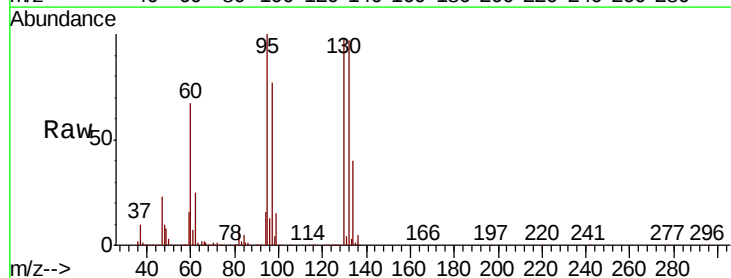


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

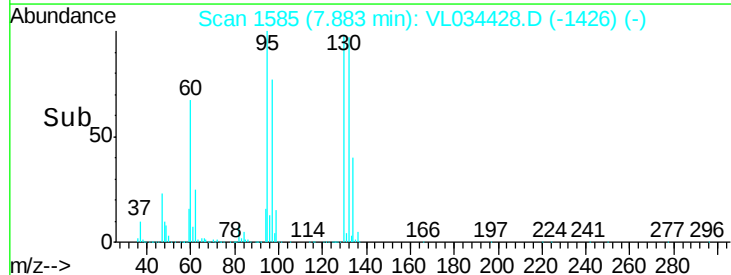
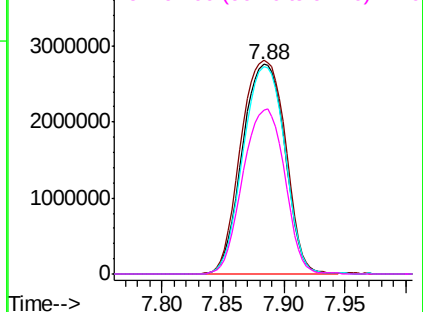


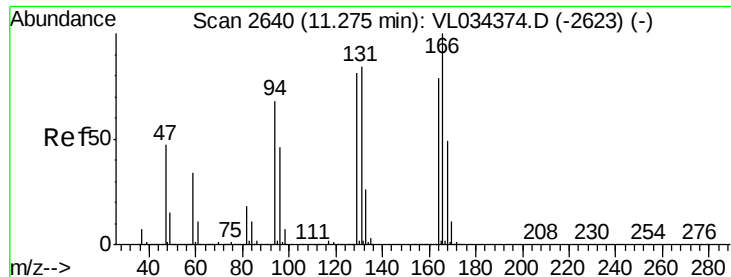
#38
 Trichloroethene
 Concen: 83.648 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VL034428.D
 Acq: 2 Dec 2019 16:16

Tgt Ion:130 Resp: 6639680
 Ion Ratio Lower Upper
 130 100
 95 102.0 93.4 140.0
 132 98.9 76.4 114.6
 97 78.4 61.1 91.7



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 6.105 ppbv

RT: 11.28 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

Tot Ion:164 Resp: 510929

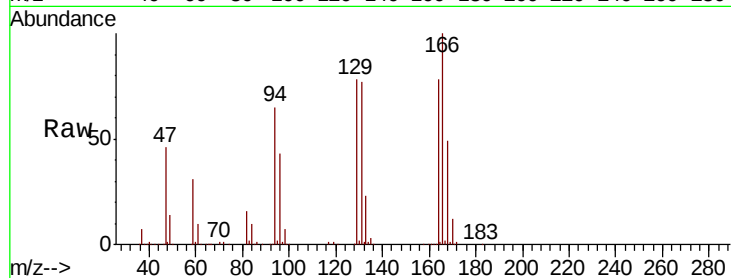
Ion Ratio Lower Upper

164 100

166 128.0 101.7 152.5

129 99.1 82.6 123.8

131 98.9 85.2 127.8

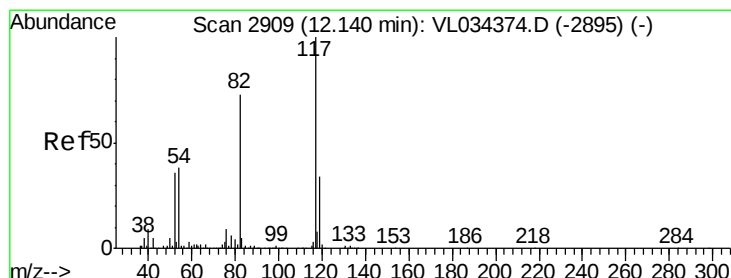
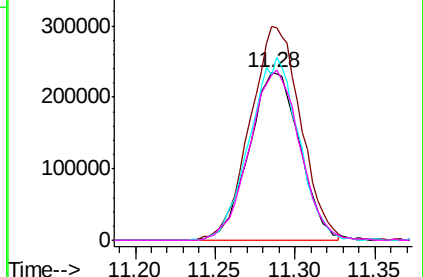
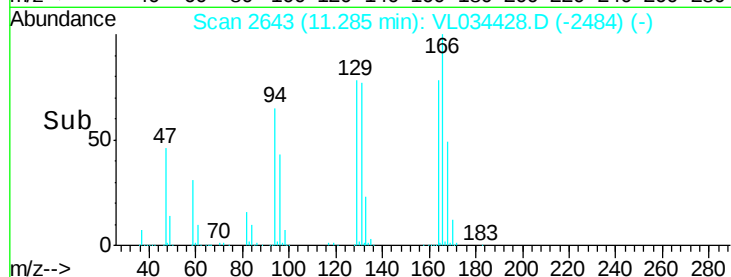


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

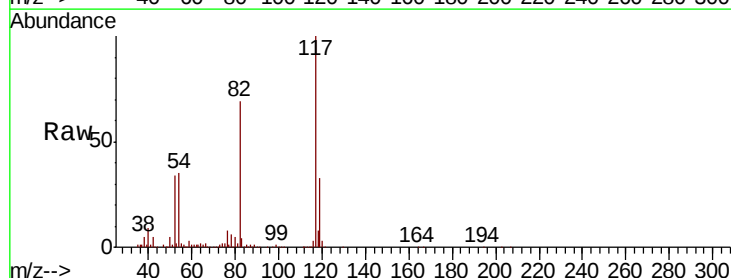
Tgt Ion:117 Resp: 1881431

Ion Ratio Lower Upper

117 100

82 71.5 57.5 86.3

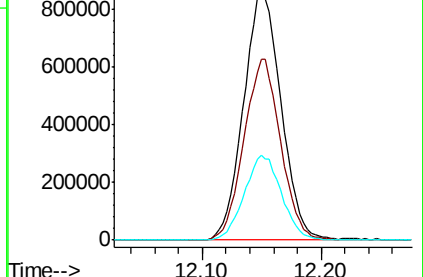
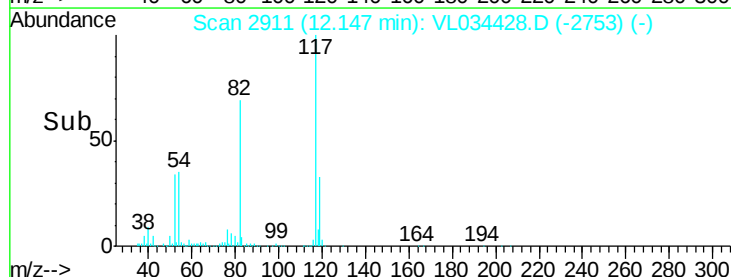
119 34.0 25.4 38.2

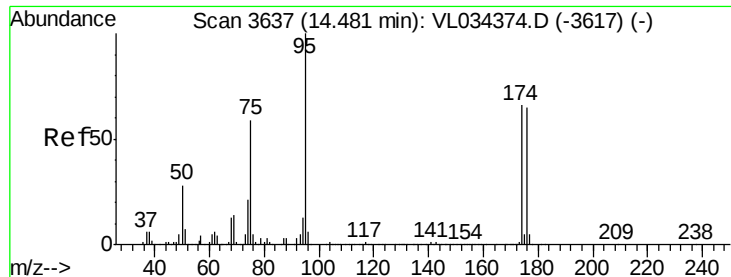


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.868 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VL034428.D

Acq: 2 Dec 2019 16:16

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

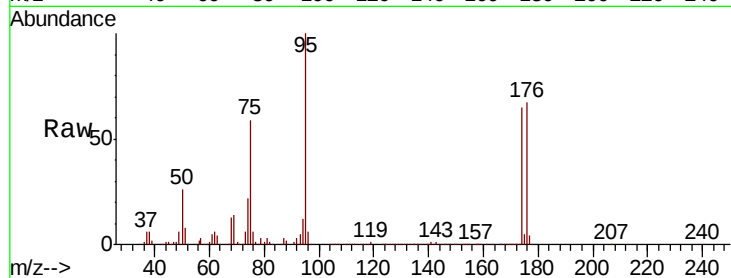
Tot Ion: 95 Resp: 1561882

Ion Ratio Lower Upper

95 100

174 67.7 52.2 78.2

175 4.9 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

