

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034433.D
 Acq On : 2 Dec 2019 19:27
 Operator : SY/AP
 Sample : K6068-03DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL2

Quant Time: Dec 03 11:40:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	5.68	49	855378	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1701357	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1638024	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1376939	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

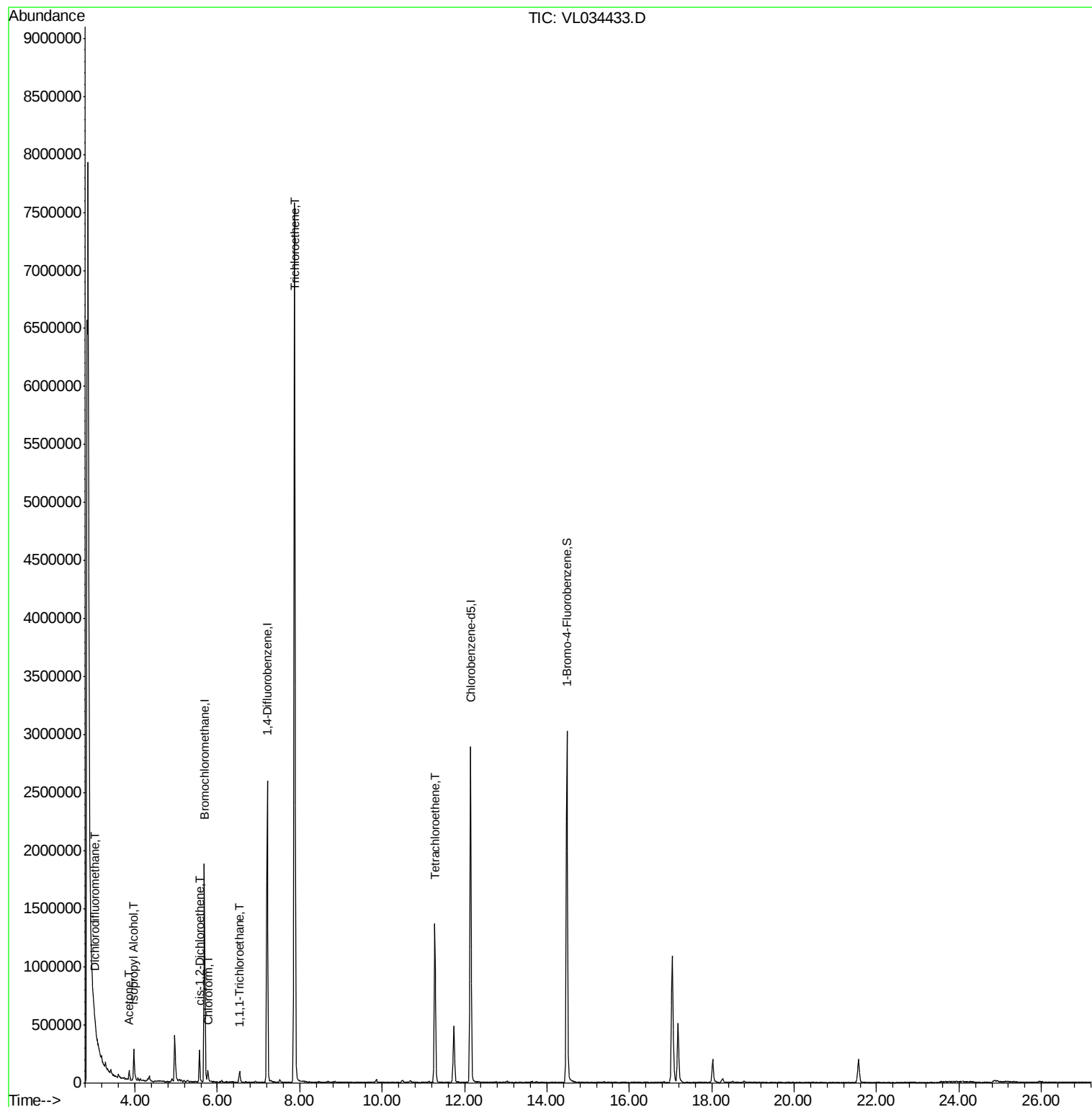
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	18273	0.118	ppbv	98
15) Acetone	3.85	43	79720	0.651	ppbv	95
19) Isopropyl Alcohol	3.97	45	277508	3.535	ppbv	100
29) Chloroform	5.77	83	58392	0.384	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	145035	1.494	ppbv	96
32) 1,1,1-Trichloroethane	6.54	97	53447	0.375	ppbv	97
38) Trichloroethene	7.87	130	2292561	32.847	ppbv	98
52) Tetrachloroethene	11.28	164	318136	4.323	ppbv	92

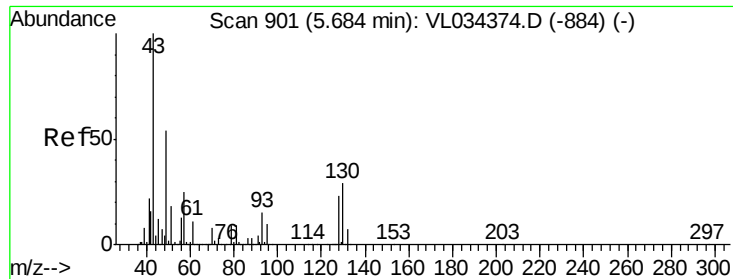
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL034433.D

Acq: 2 Dec 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

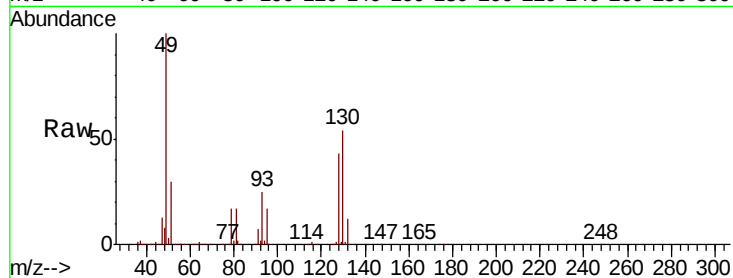
Tot Ion: 49 Resp: 855378

Ion Ratio Lower Upper

49 100

128 44.6 21.8 65.3

130 56.6 28.0 84.0



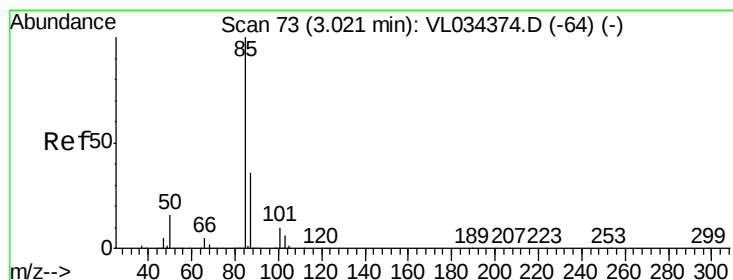
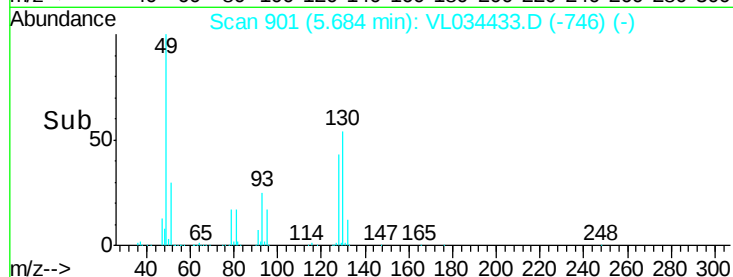
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 0.118 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL034433.D

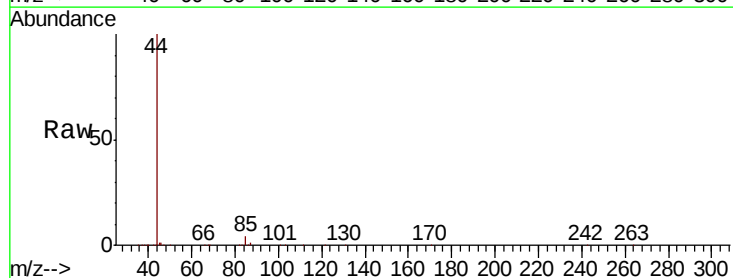
Acq: 2 Dec 2019 19:27

Tgt Ion: 85 Resp: 18273

Ion Ratio Lower Upper

85 100

87 34.6 28.5 42.7

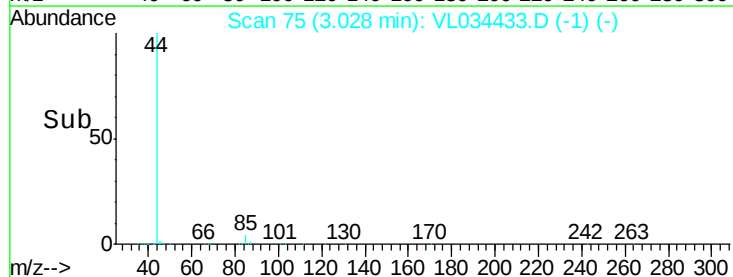


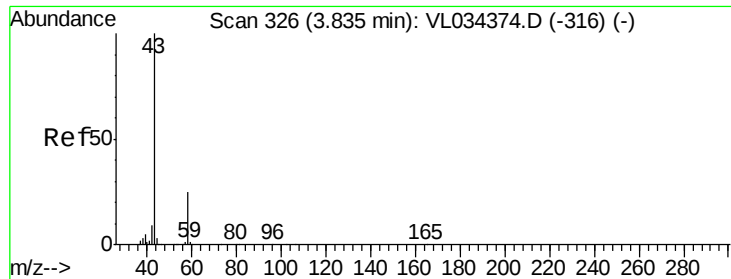
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

Time-->

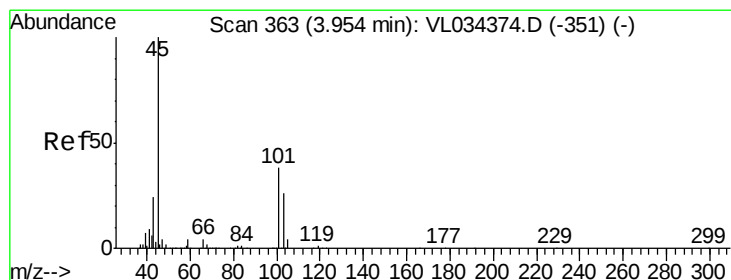
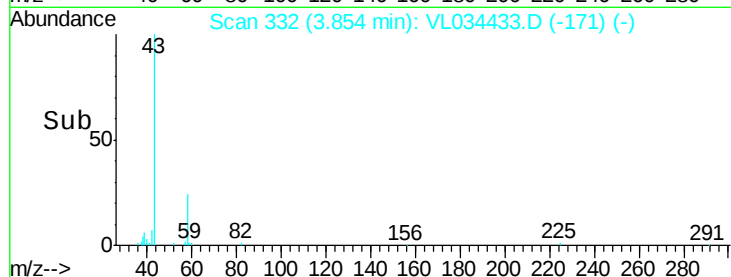
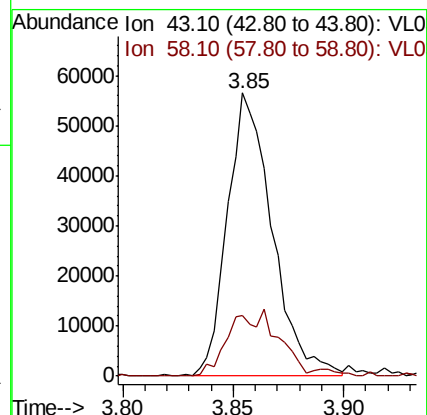
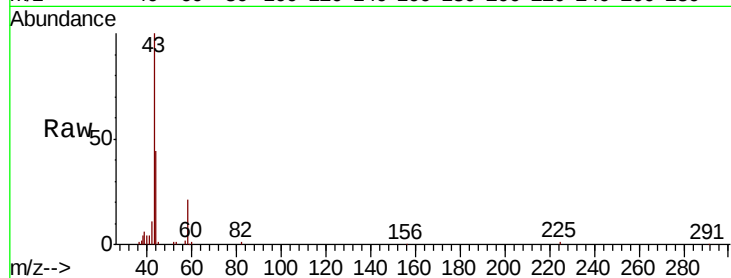




#15
Acetone
Concen: 0.651 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL034433.D
Acq: 2 Dec 2019 19:27

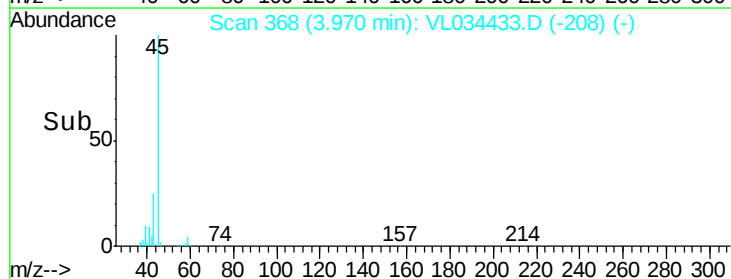
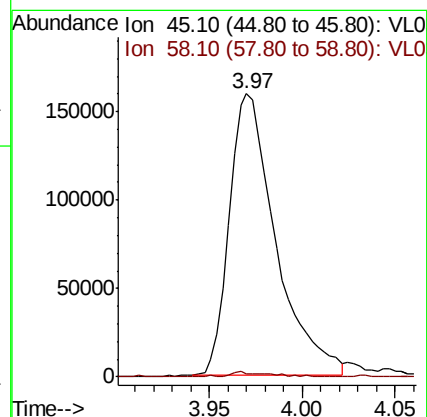
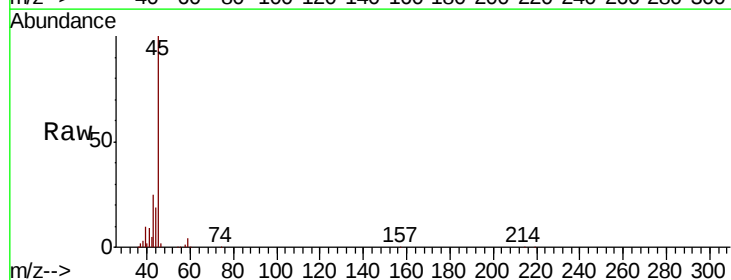
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

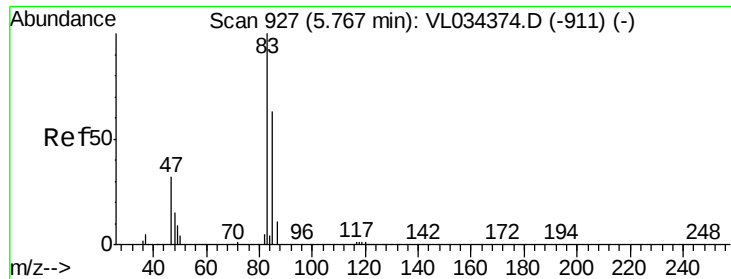
Tot Ion: 43 Resp: 79720
Ion Ratio Lower Upper
43 100
58 27.6 20.2 30.4



#19
Isopropyl Alcohol
Concen: 3.535 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL034433.D
Acq: 2 Dec 2019 19:27

Tgt Ion: 45 Resp: 277508
Ion Ratio Lower Upper
45 100
58 1.7 1.3 1.9

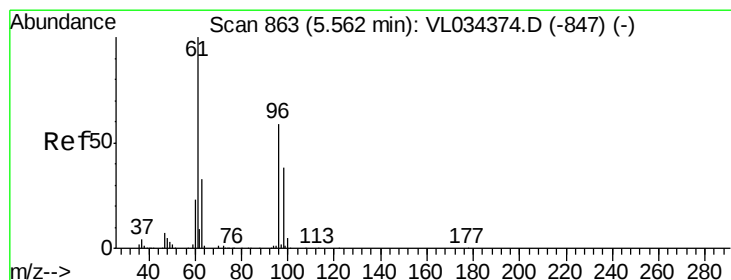
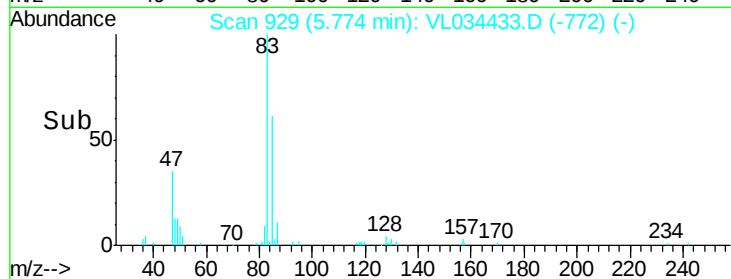
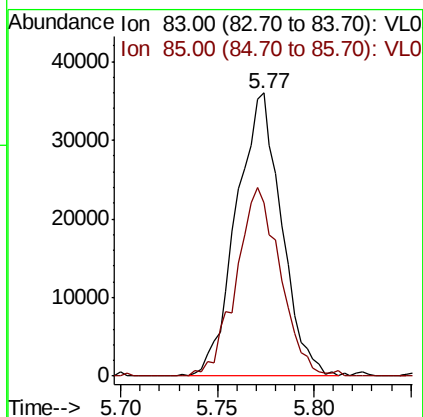
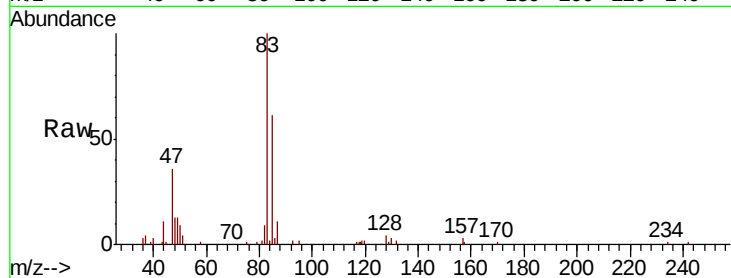




#29
Chloroform
Concen: 0.384 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.01 min
Lab File: VL034433.D
Acq: 2 Dec 2019 19:27

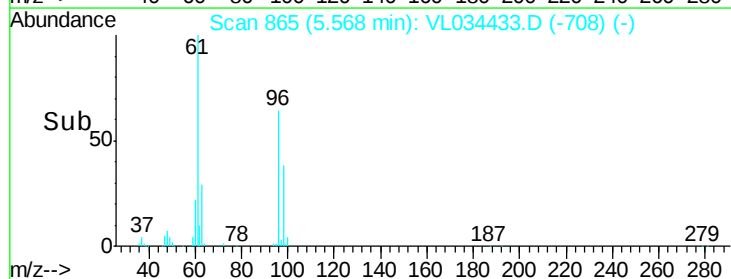
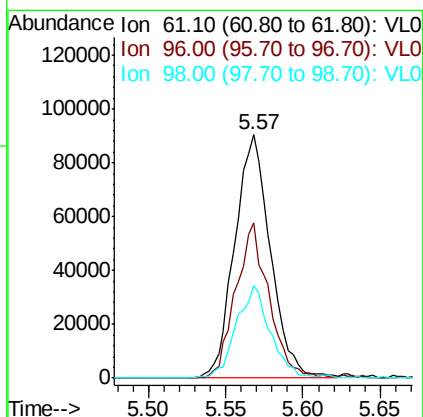
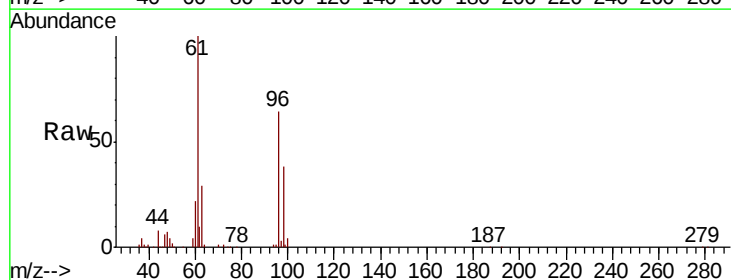
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

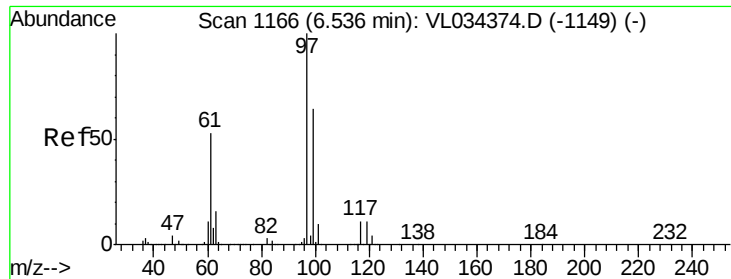
Tot Ion: 83 Resp: 58392
Ion Ratio Lower Upper
83 100
85 61.4 50.4 75.6



#31
cis-1,2-Dichloroethene
Concen: 1.494 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL034433.D
Acq: 2 Dec 2019 19:27

Tgt Ion: 61 Resp: 145035
Ion Ratio Lower Upper
61 100
96 63.8 47.4 71.2
98 37.8 30.6 45.8





#32

1,1,1-Trichloroethane

Concen: 0.375 ppbv

RT: 6.54 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VL034433.D

Acq: 2 Dec 2019 19:27

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

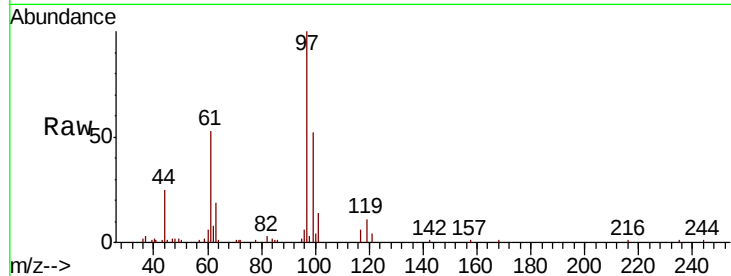
Tot Ion: 97 Resp: 53447

Ion Ratio Lower Upper

97 100

99 63.0 52.3 78.5

61 56.9 43.7 65.5

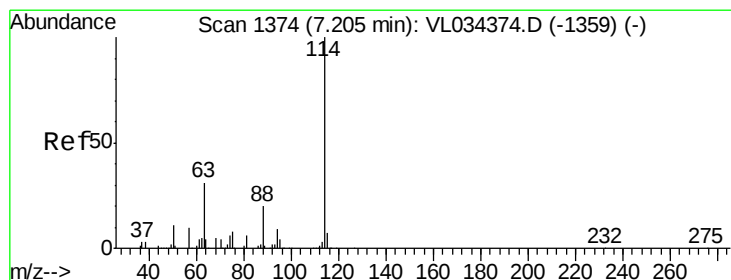
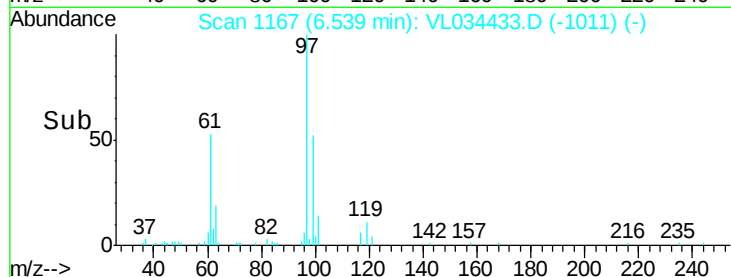
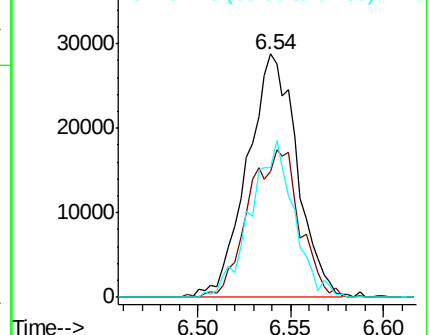


Abundance

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# 1376

Delta R.T. 0.01 min

Lab File: VL034433.D

Acq: 2 Dec 2019 19:27

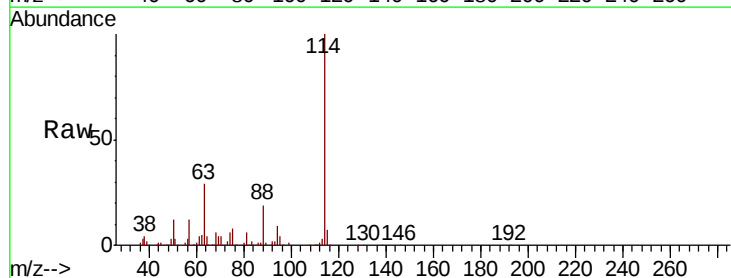
Tgt Ion: 114 Resp: 1701357

Ion Ratio Lower Upper

114 100

63 29.3 24.2 36.4

88 19.5 15.9 23.9

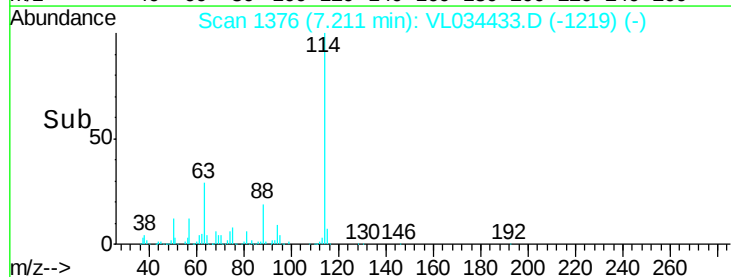
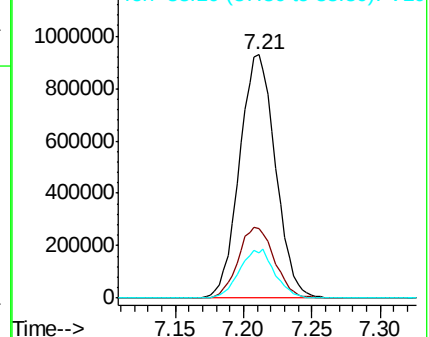


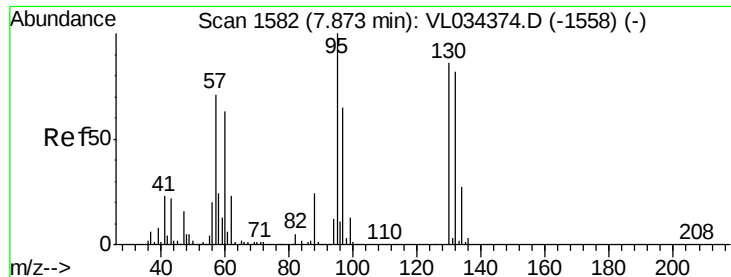
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

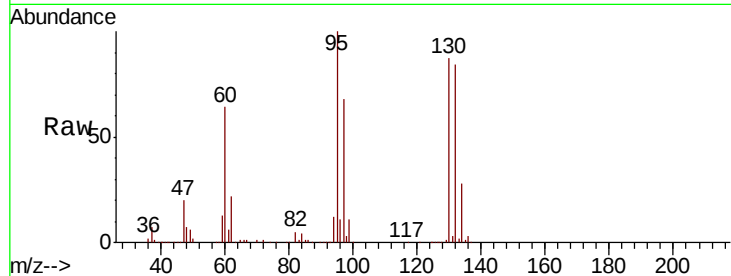




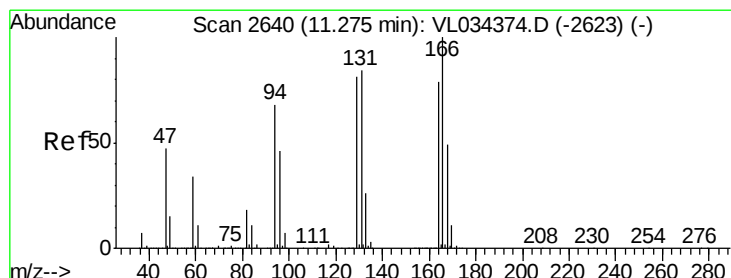
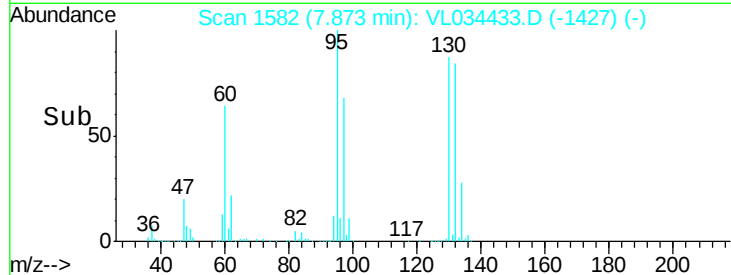
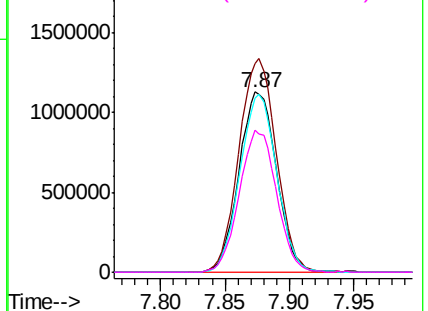
#38
 Trichloroethene
 Concen: 32.847 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VL034433.D
 Acq: 2 Dec 2019 19:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL2

Tot Ion:130 Resp: 2292561
 Ion Ratio Lower Upper
 130 100
 95 115.4 93.4 140.0
 132 96.4 76.4 114.6
 97 78.8 61.1 91.7

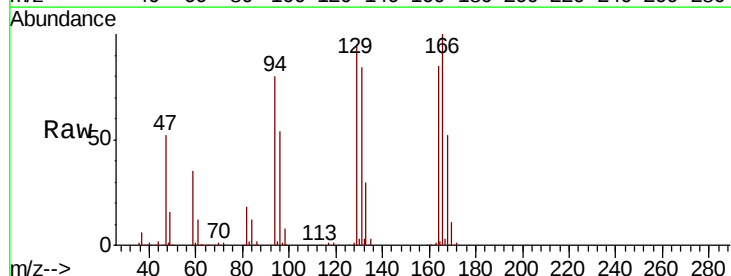


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

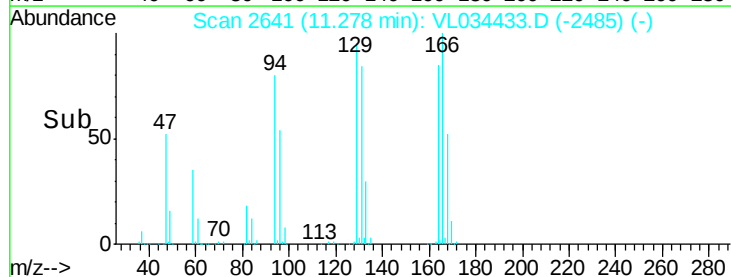
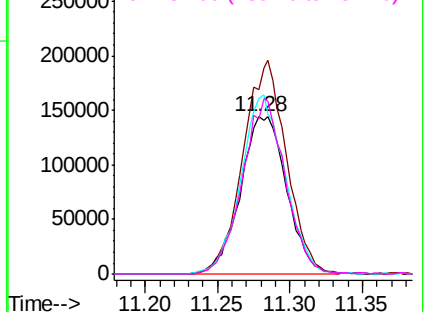


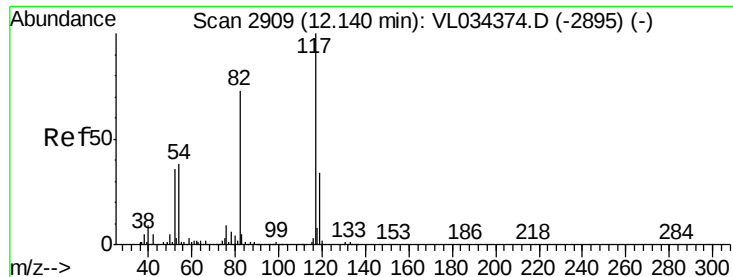
#52
 Tetrachloroethene
 Concen: 4.323 ppbv
 RT: 11.28 min Scan# 2641
 Delta R.T. 0.00 min
 Lab File: VL034433.D
 Acq: 2 Dec 2019 19:27

Tgt Ion:164 Resp: 318136
 Ion Ratio Lower Upper
 164 100
 166 117.2 101.7 152.5
 129 111.5 82.6 123.8
 131 99.1 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

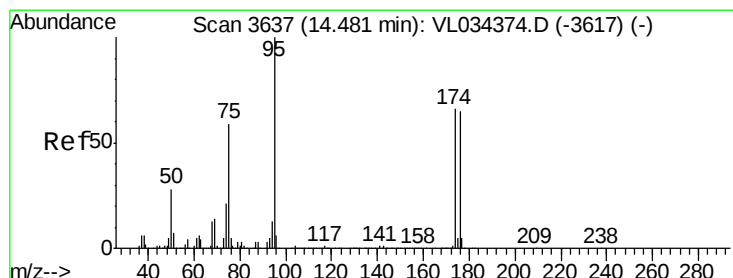
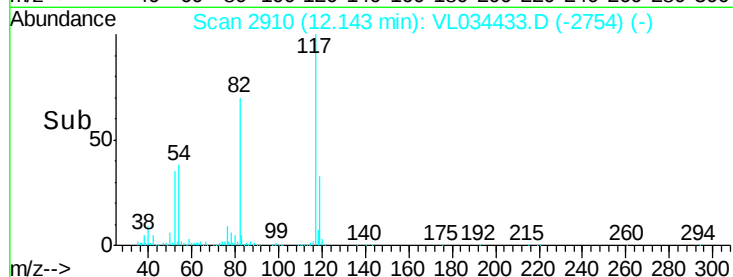
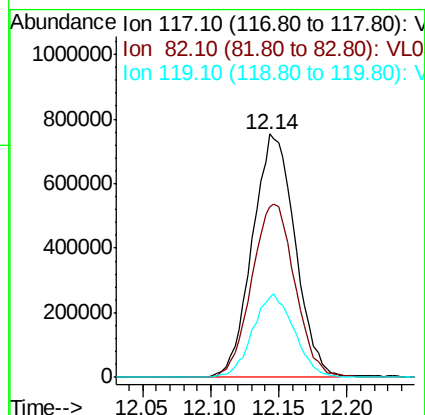
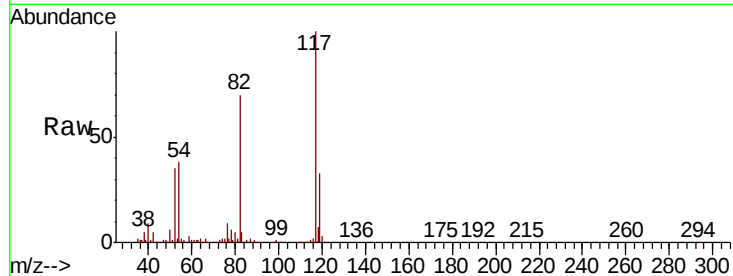




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034433.D
Acq: 2 Dec 2019 19:27

Instrument :
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Tot Ion:117 Resp: 1638024
Ion Ratio Lower Upper
117 100
82 72.3 57.5 86.3
119 33.6 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.992 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034433.D
Acq: 2 Dec 2019 19:27

Tgt Ion: 95 Resp: 1376939
Ion Ratio Lower Upper
95 100
174 65.0 52.2 78.2
175 4.7 3.8 5.8

