

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034430.D
 Acq On : 2 Dec 2019 17:31
 Operator : SY/AP
 Sample : K6068-02DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL2

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Quant Time: Dec 03 03:56:48 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	857654	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1721964	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1672501	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1399327	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	143391	0.924	ppbv	90
9) Propene	2.99	41	5184m	0.109	ppbv	
13) Ethanol	3.61	45	7466	0.564	ppbv	67
15) Acetone	3.87	43	64205	0.523	ppbv	91
19) Isopropyl Alcohol	3.99	45	56152	0.713	ppbv #	97
29) Chloroform	5.77	83	25451	0.167	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	148513	1.526	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	112786m	0.789	ppbv	
38) Trichloroethene	7.88	130	3092941	43.785	ppbv	98
52) Tetrachloroethene	11.28	164	163593m	2.197	ppbv	

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

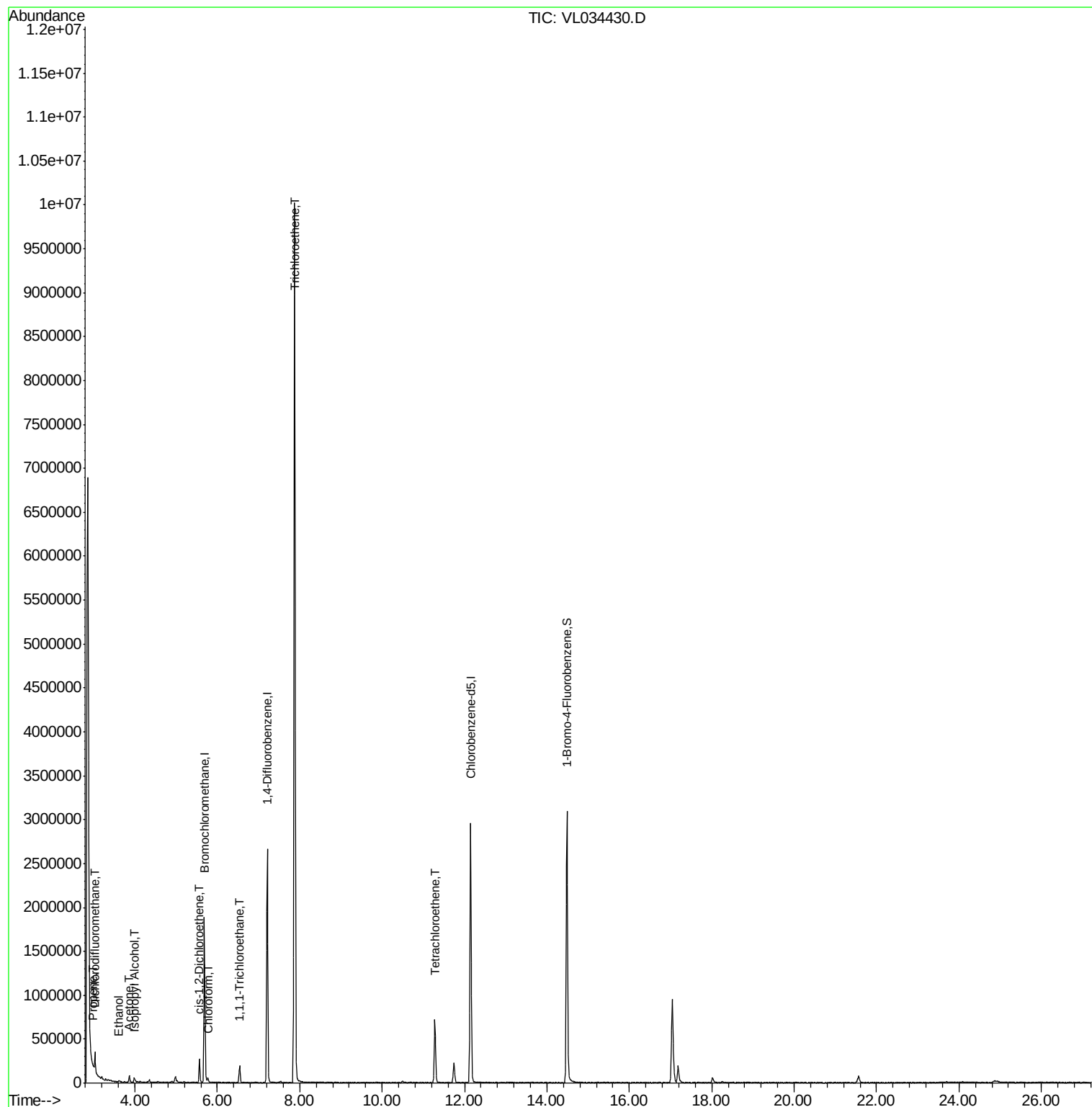
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
Data File : VL034430.D
Acq On : 2 Dec 2019 17:31
Operator : SY/AP
Sample : K6068-02DL2 100X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

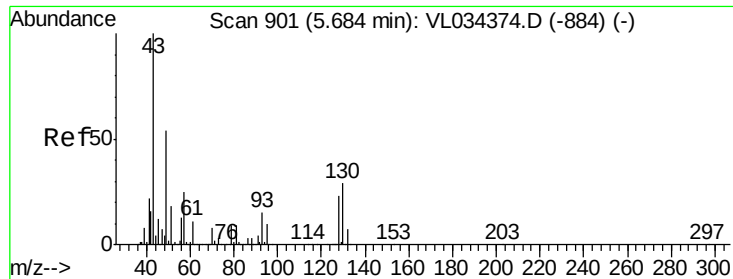
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

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Quant Time: Dec 03 03:56:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
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: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

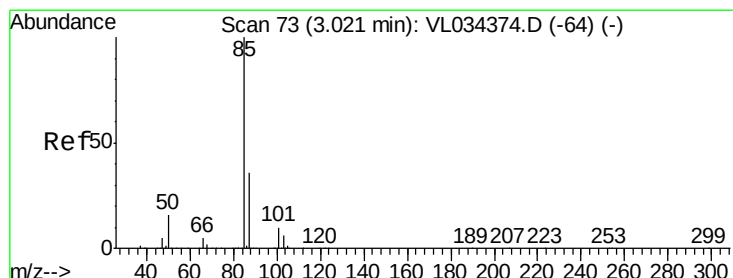
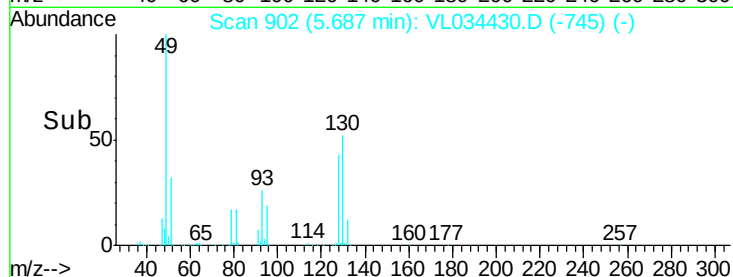
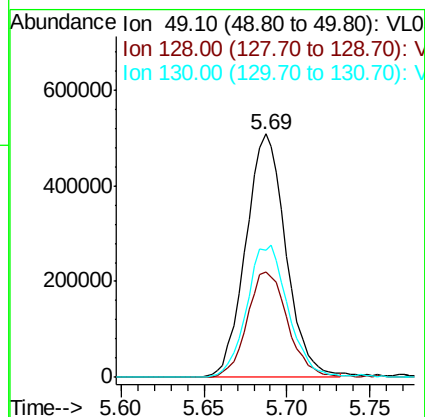
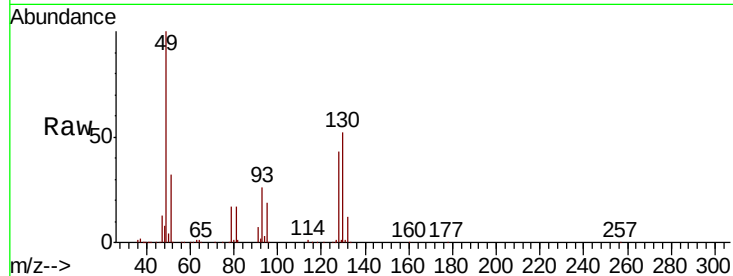
ClientSampled :

SV-2DL2

Tot Ion:	49	Resp:	857654
Ion	Ratio	Lower	Upper
49	100		
128	44.0	21.8	65.3
130	56.4	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 0.924 ppbv

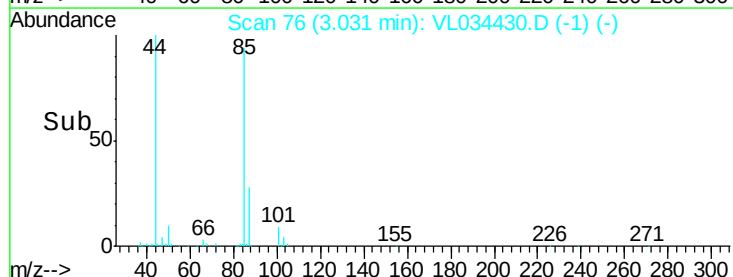
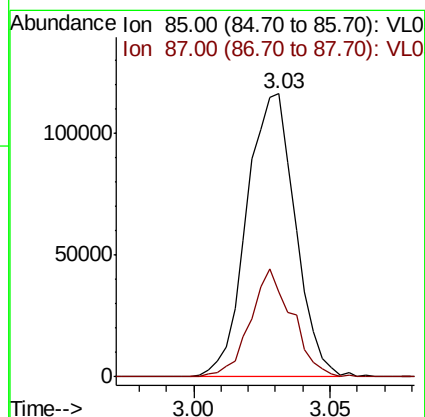
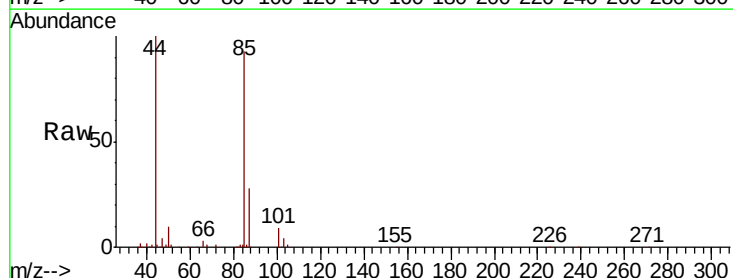
RT: 3.03 min Scan# 76

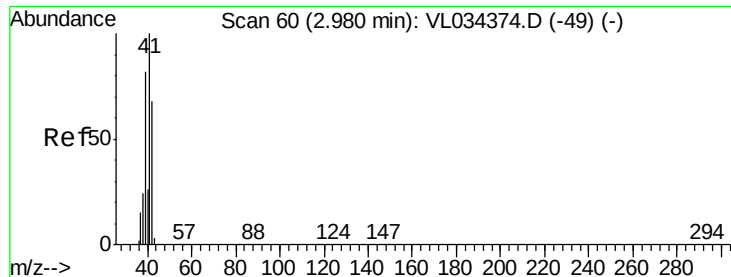
Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Tgt Ion:	85	Resp:	143391
Ion	Ratio	Lower	Upper
85	100		
87	29.9	28.5	42.7





#9

Propene

Concen: 0.109 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampled :

SV-2DL2

Tot Ion: 41 Resp: 5184

Ion Ratio Lower Upper

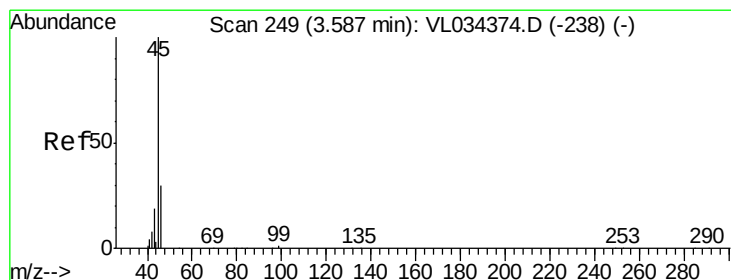
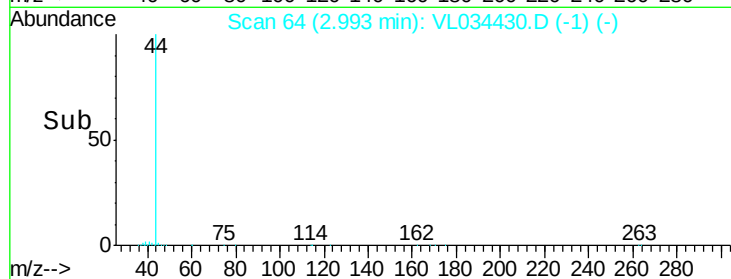
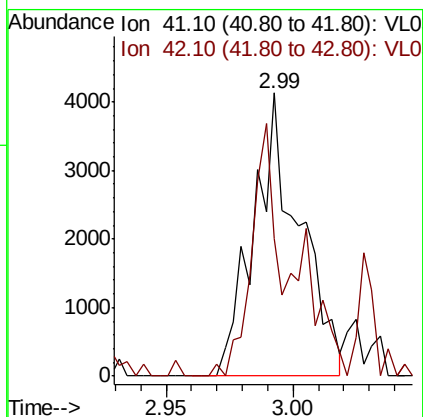
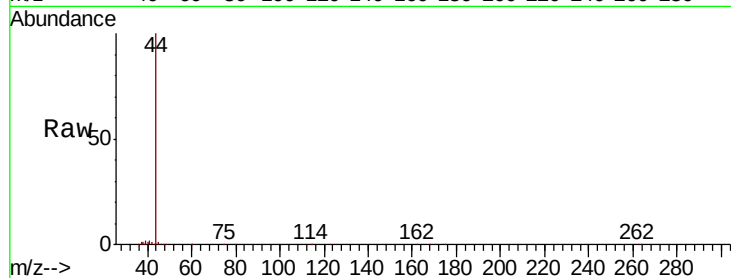
41 100

42 75.9 54.6 82.0

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#13

Ethanol

Concen: 0.564 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.03 min

Lab File: VL034430.D

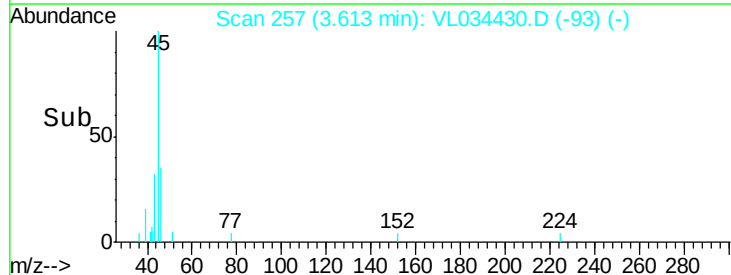
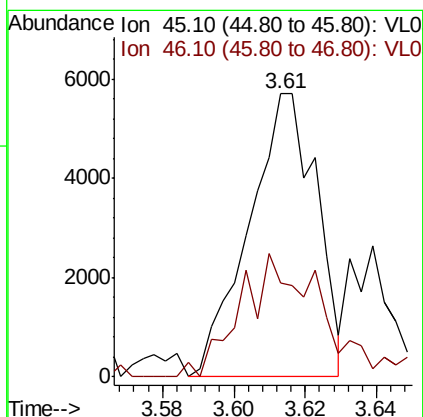
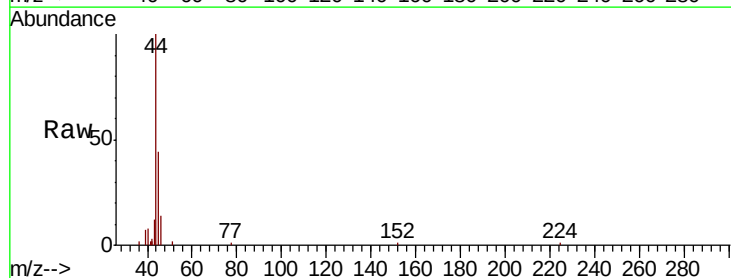
Acq: 2 Dec 2019 17:31

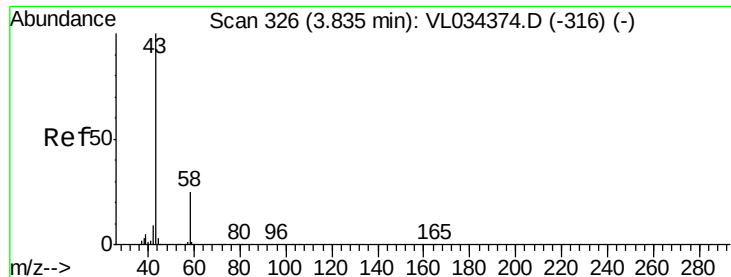
Tgt Ion: 45 Resp: 7466

Ion Ratio Lower Upper

45 100

46 53.6 13.8 55.4





#15

Acetone

Concen: 0.523 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

Tot Ion: 43 Resp: 64205

Ion Ratio Lower Upper

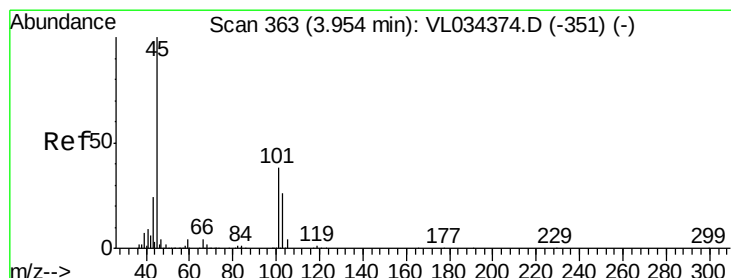
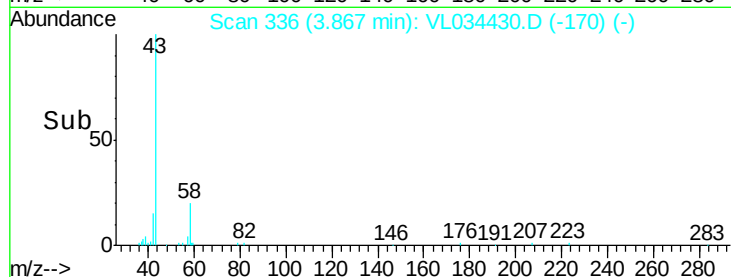
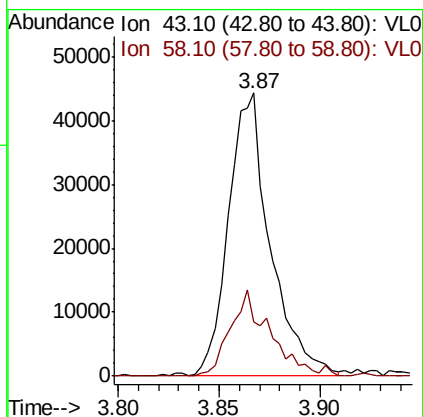
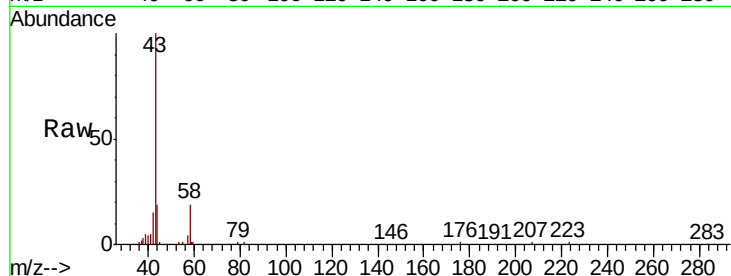
43 100

58 29.6 20.2 30.4

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#19

Isopropyl Alcohol

Concen: 0.713 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL034430.D

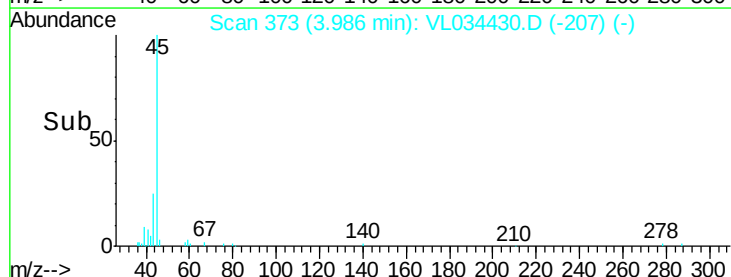
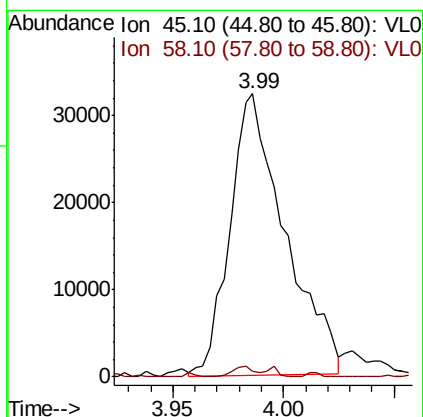
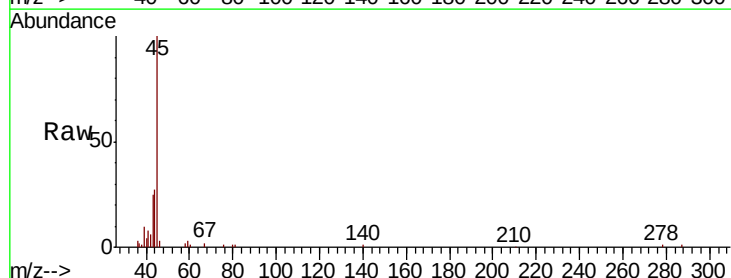
Acq: 2 Dec 2019 17:31

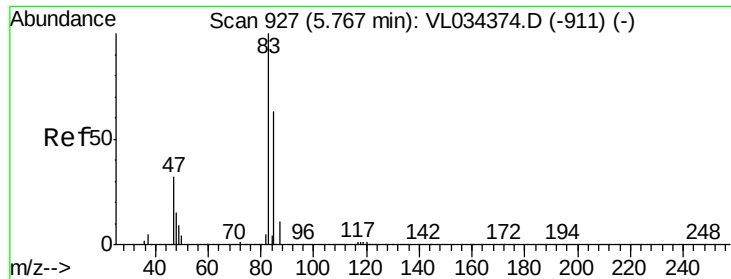
Tgt Ion: 45 Resp: 56152

Ion Ratio Lower Upper

45 100

58 2.8 1.3 1.9#





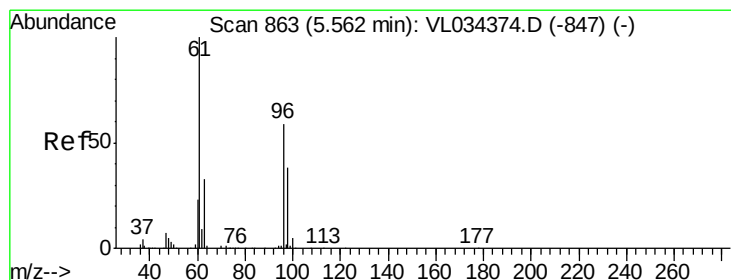
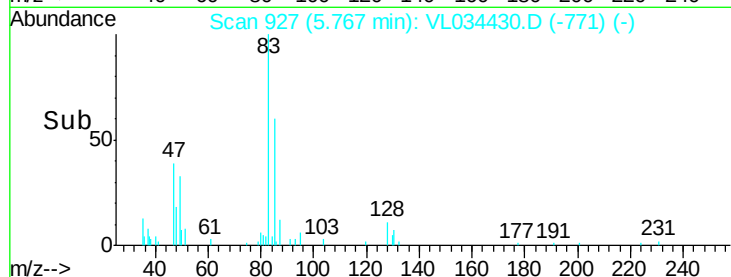
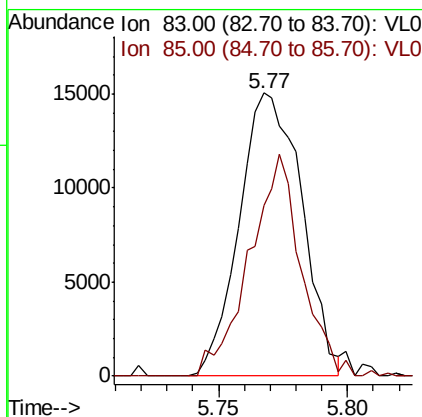
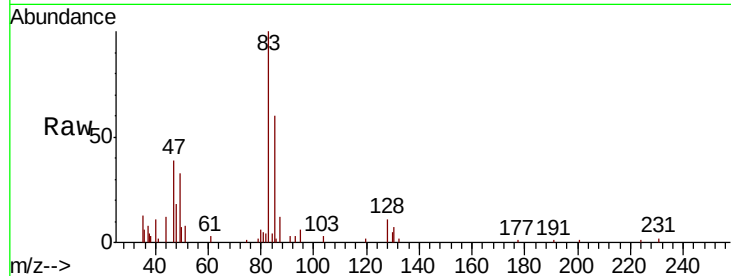
#29
Chloroform
Concen: 0.167 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tot Ion	83	Resp	25451
Ion Ratio	100	Lower	Upper
85	60.4	50.4	75.6

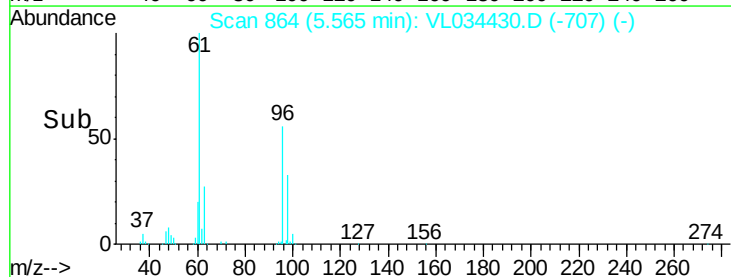
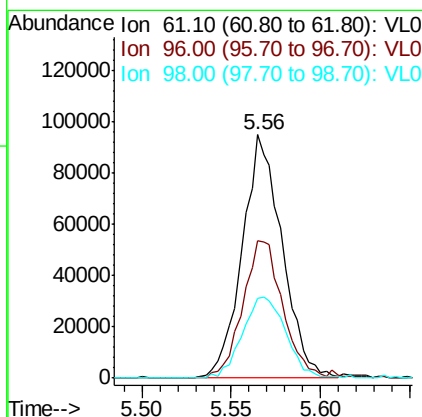
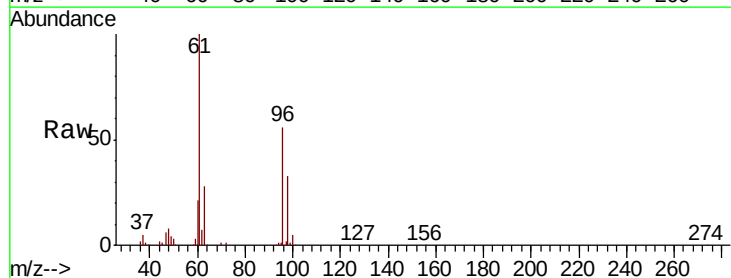
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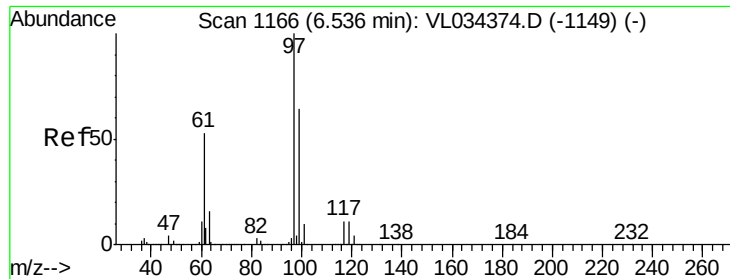
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#31
cis-1,2-Dichloroethene
Concen: 1.526 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Tgt Ion	61	Resp	148513
Ion Ratio	100	Lower	Upper
96	56.4	47.4	71.2
98	32.8	30.6	45.8





#32

1,1,1-Trichloroethane

Concen: 0.789 ppbv m

RT: 6.54 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

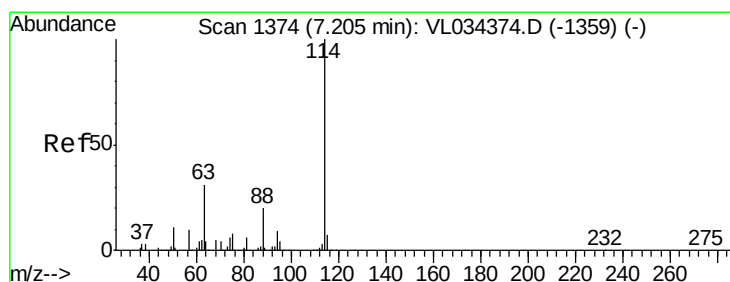
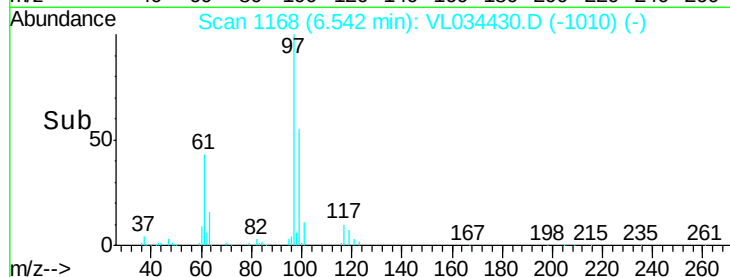
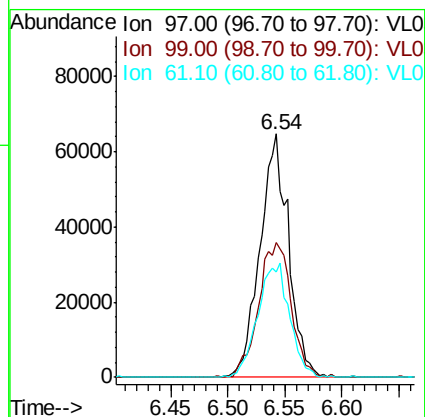
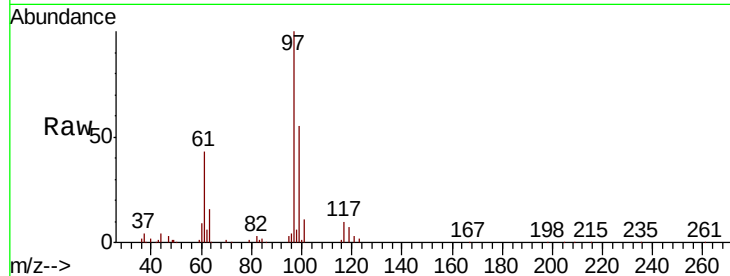
ClientSampled :

SV-2DL2

Tot Ion:	97	Resp:	112786
Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.3	78.5
61	52.4	43.7	65.5

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

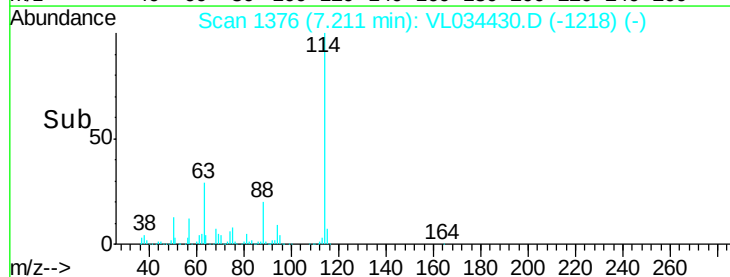
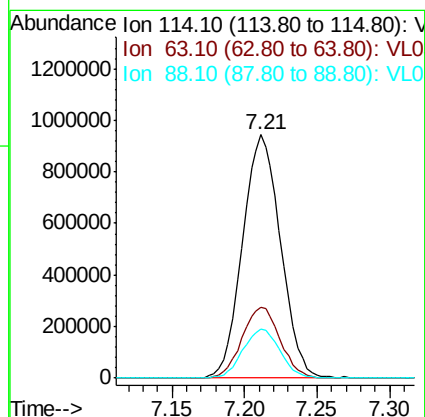
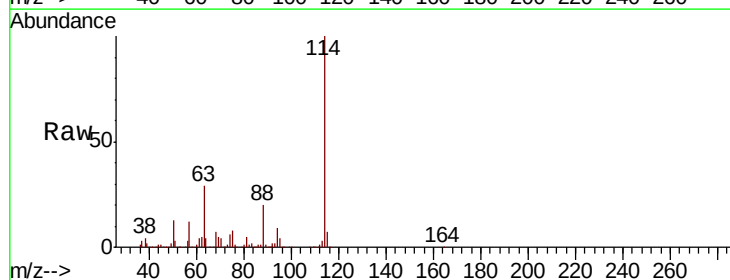
RT: 7.21 min Scan# 1376

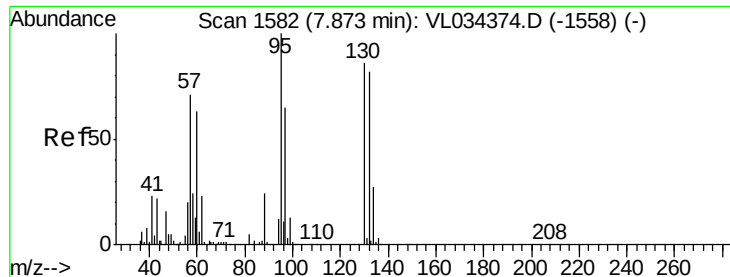
Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Tgt Ion:	114	Resp:	1721964
Ion	Ratio	Lower	Upper
114	100		
63	29.4	24.2	36.4
88	19.8	15.9	23.9





#38

Trichloroethene

Concen: 43.785 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampled :

SV-2DL2

Tot Ion:130 Resp: 3092941

Ion Ratio Lower Upper

130 100

95 115.5 93.4 140.0

132 97.7 76.4 114.6

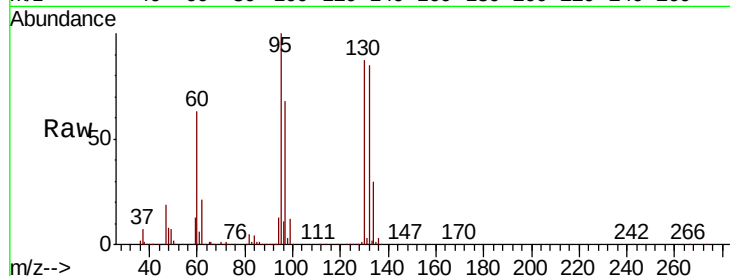
97 78.8 61.1 91.7

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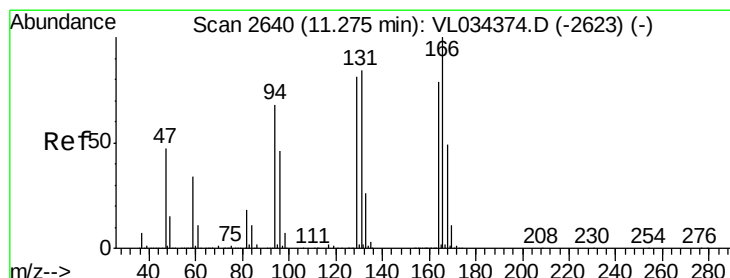
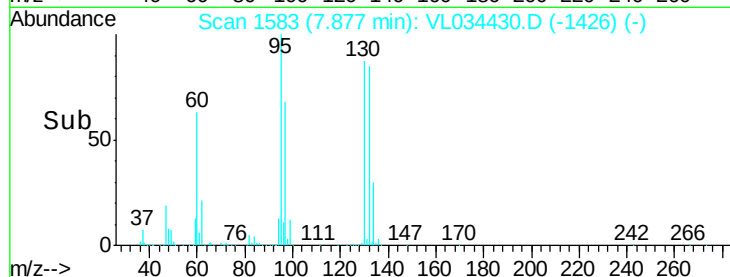
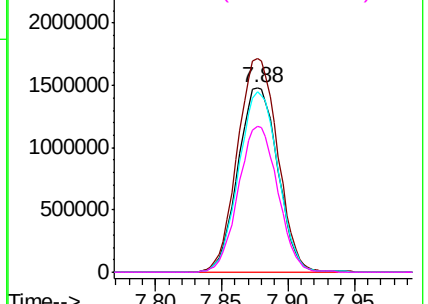


Abundance Ion 130.00 (129.70 to 130.70): V

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: 2.197 ppbv m

RT: 11.28 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Tgt Ion:164 Resp: 163593

Ion Ratio Lower Upper

164 100

166 131.7 101.7 152.5

129 111.8 82.6 123.8

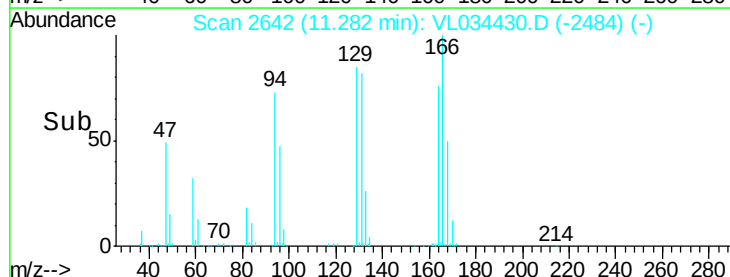
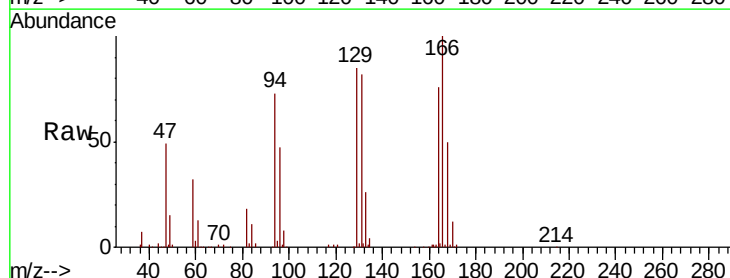
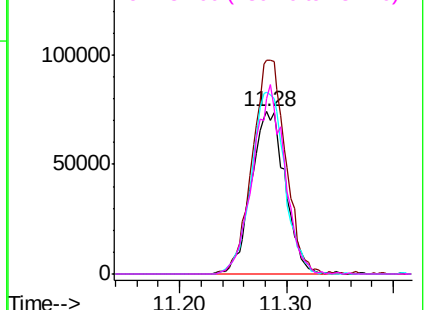
131 108.1 85.2 127.8

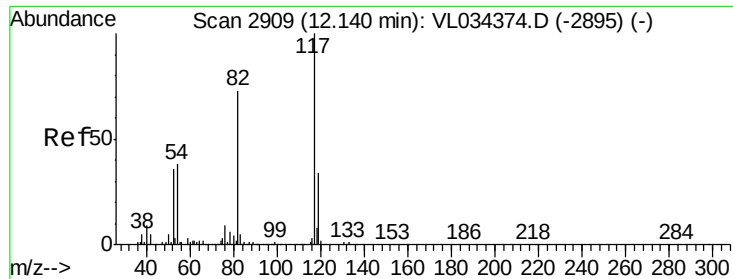
Abundance Ion 163.90 (163.60 to 164.60): V

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





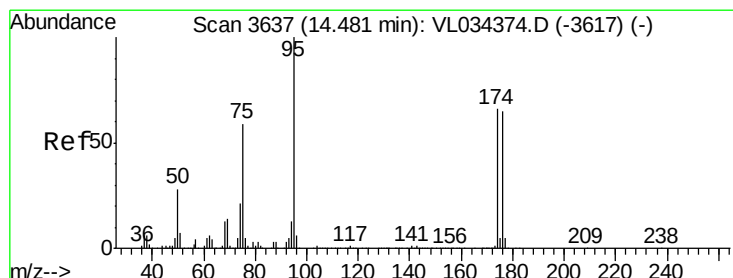
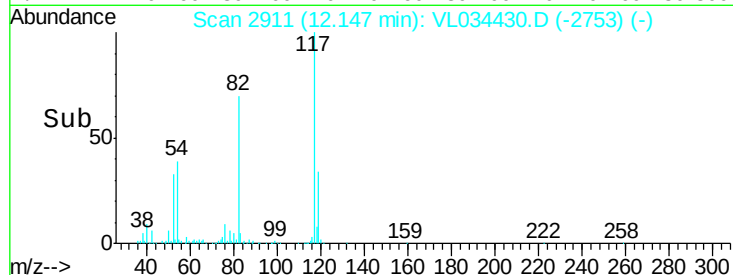
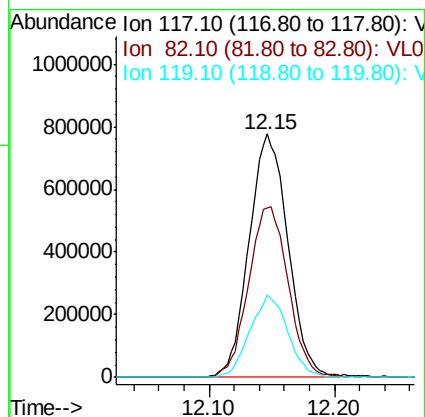
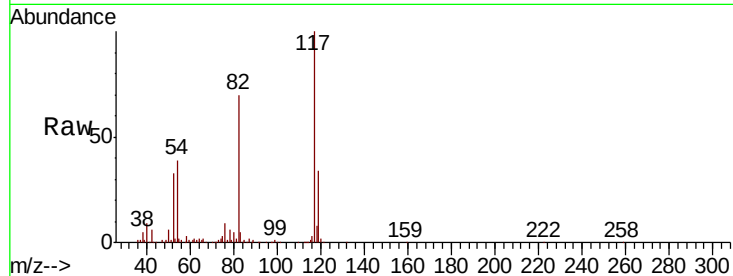
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Instrument :
MSVOA_L
ClientSampled :
SV-2DL2

Tot Ion: 117 Resp: 1672501
Ion Ratio Lower Upper
117 100
82 71.9 57.5 86.3
119 33.1 25.4 38.2

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.945 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Tgt Ion: 95 Resp: 1399327
Ion Ratio Lower Upper
95 100
174 66.0 52.2 78.2
175 4.8 3.8 5.8

