

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034435.D
 Acq On : 2 Dec 2019 20:45
 Operator : SY/AP
 Sample : K6068-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Manual Integrations
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Quant Time: Dec 03 11:30:52 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	864272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1750717	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1671280	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1411867	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	47543m	0.993	ppbv	
13) Ethanol	3.60	45	26108	1.958	ppbv	98
15) Acetone	3.84	43	911134	7.362	ppbv	99
29) Chloroform	5.77	83	24766	0.161	ppbv	91
31) cis-1,2-Dichloroethene	5.56	61	147118	1.500	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	62411	0.433	ppbv	99
38) Trichloroethene	7.88	130	5206336	72.492	ppbv	95
52) Tetrachloroethene	11.28	164	2710519	35.796	ppbv	96
53) Toluene	9.86	91	46542	0.234	ppbv	98

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

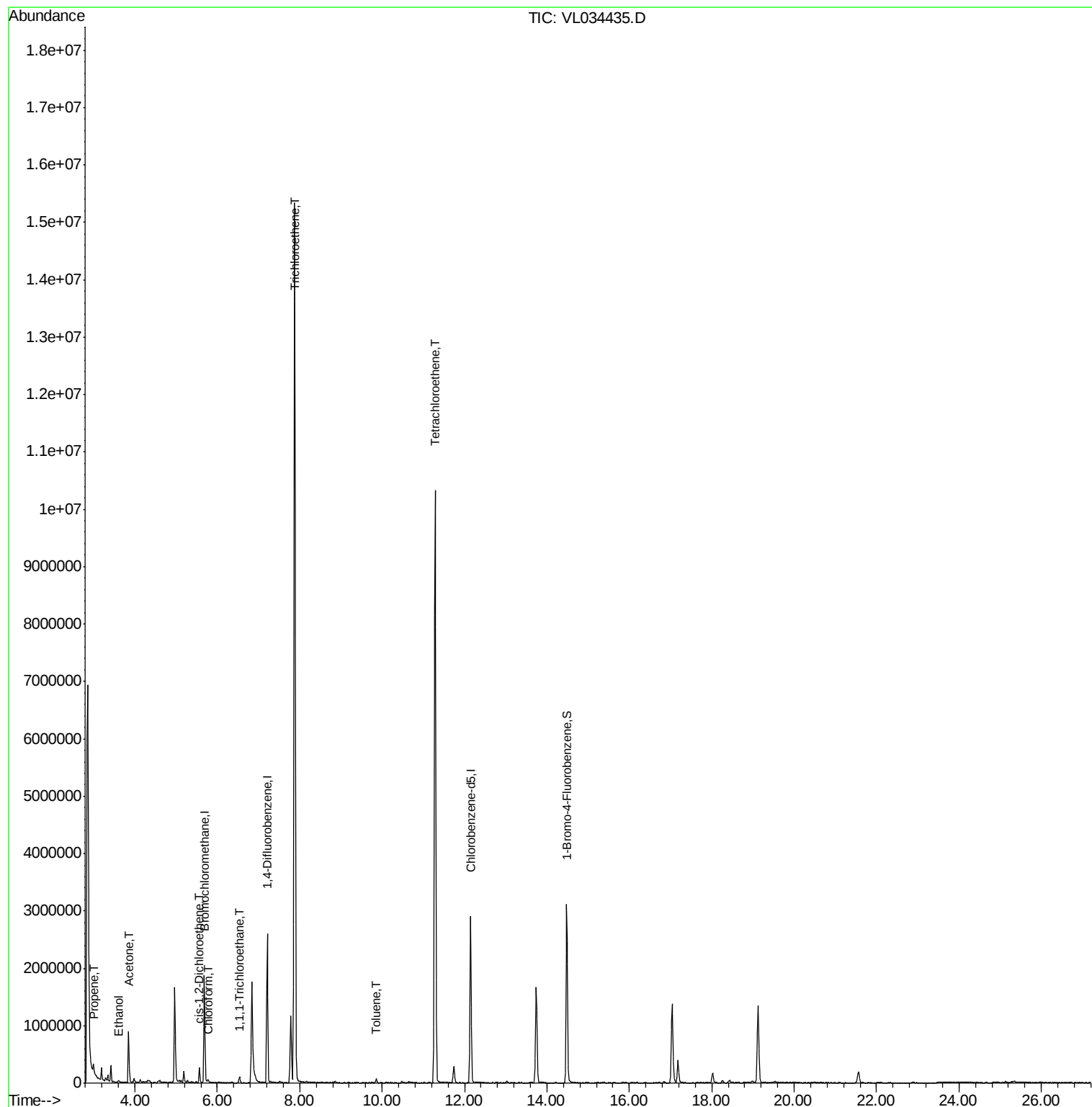
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
Data File : VL034435.D
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Quant Time: Dec 03 11:30:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast 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: VL034435.D

Acq: 2 Dec 2019 20:45

Instrument :

MSVOA_L

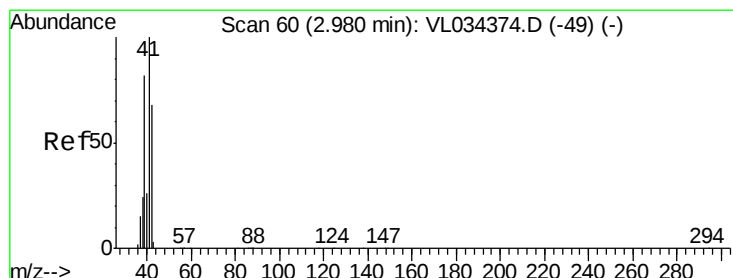
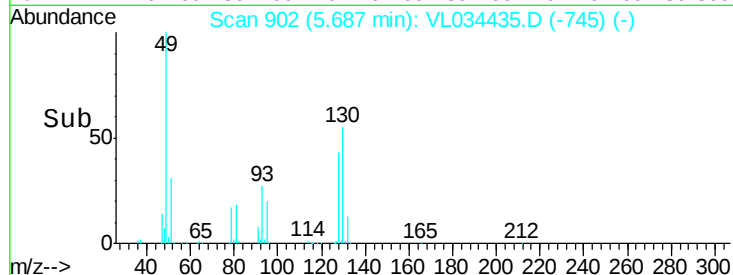
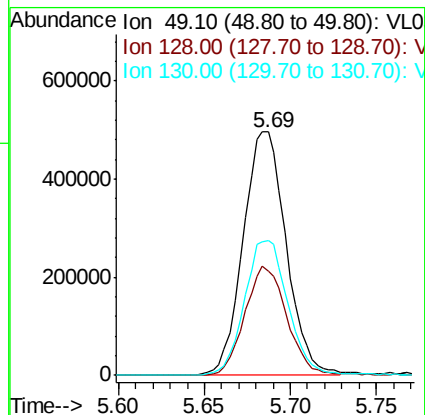
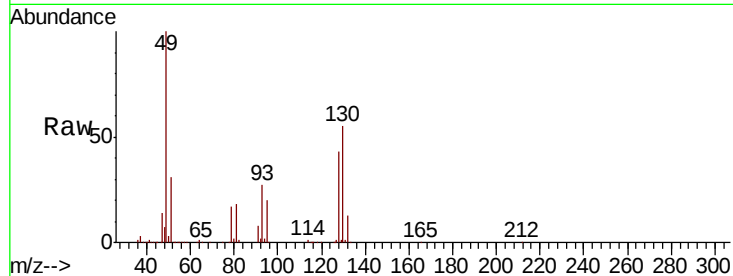
ClientSampled :

SV-4DL

Tot Ion:	49	Resp:	864272
Ion	Ratio	Lower	Upper
49	100		
128	44.2	21.8	65.3
130	56.6	28.0	84.0

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#9

Propene

Concen: 0.993 ppbv m

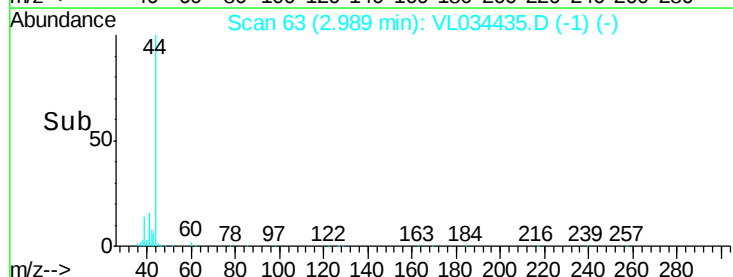
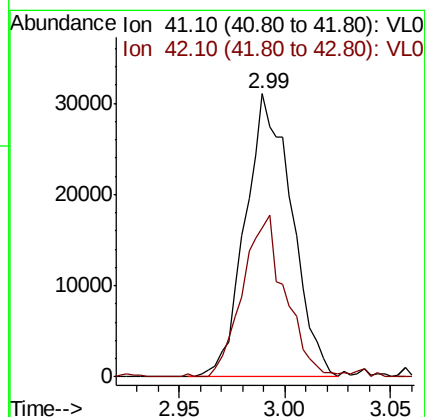
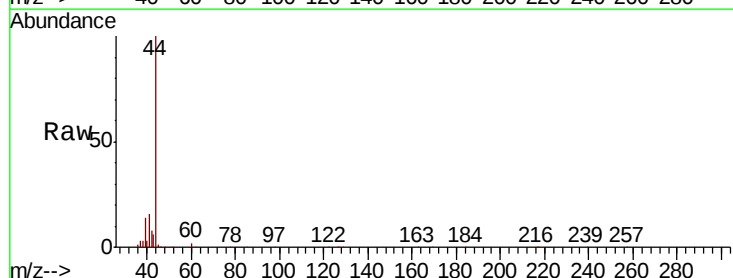
RT: 2.99 min Scan# 63

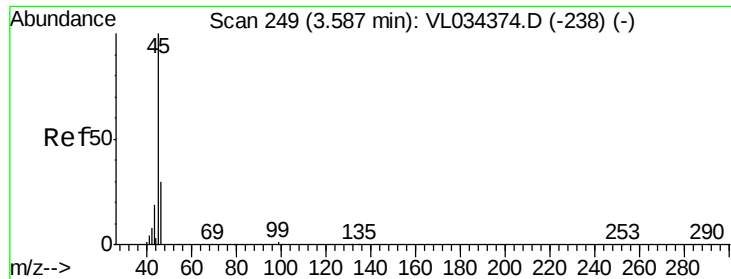
Delta R.T. 0.01 min

Lab File: VL034435.D

Acq: 2 Dec 2019 20:45

Tgt Ion:	41	Resp:	47543
Ion	Ratio	Lower	Upper
41	100		
42	53.3	54.6	82.0#





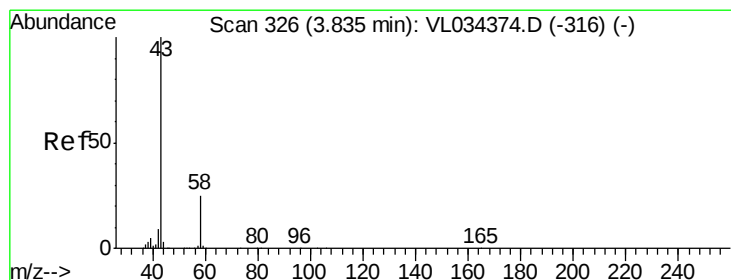
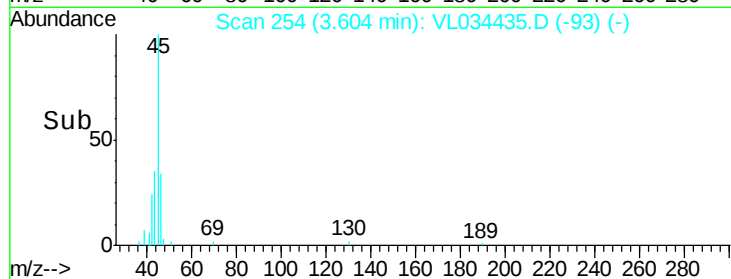
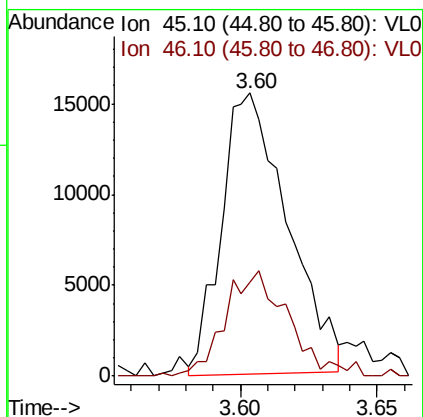
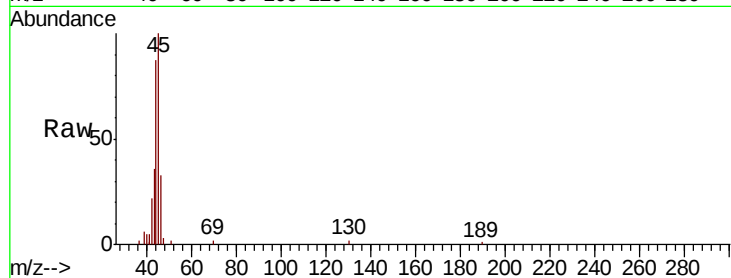
#13
Ethanol
Concen: 1.958 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.02 min
Lab File: VL034435.D
Acq: 2 Dec 2019 20:45

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tot Ion	45	Resp	26108
Ion Ratio	100	Lower	Upper
45	100		
46	35.9	13.8	55.4

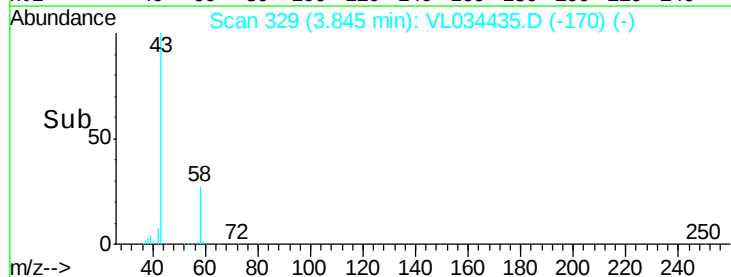
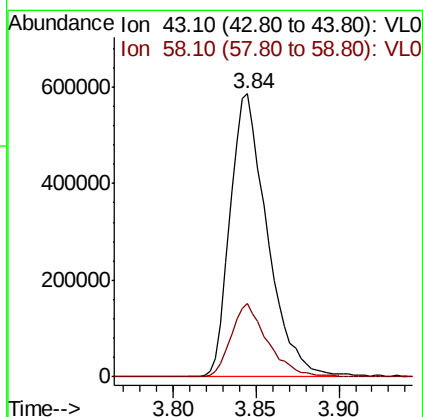
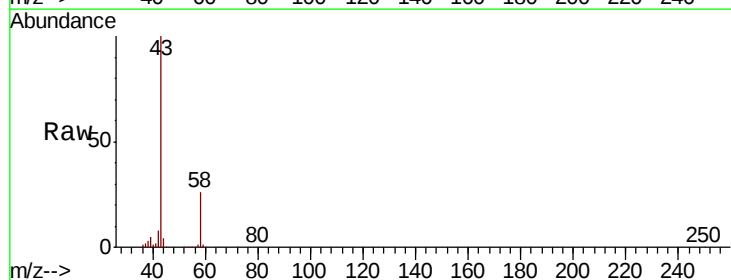
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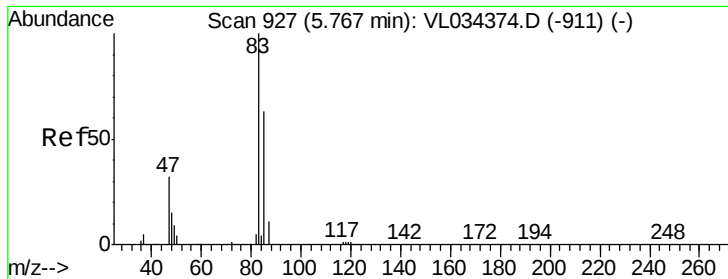
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#15
Acetone
Concen: 7.362 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034435.D
Acq: 2 Dec 2019 20:45

Tgt Ion	43	Resp	911134
Ion Ratio	100	Lower	Upper
43	100		
58	25.6	20.2	30.4





#29

Chloroform

Concen: 0.161 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.00 min

Lab File: VL034435.D

Acq: 2 Dec 2019 20:45

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL

Tot Ion: 83 Resp: 24766

Ion Ratio Lower Upper

83 100

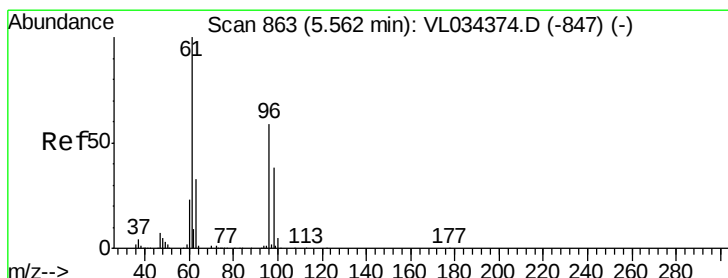
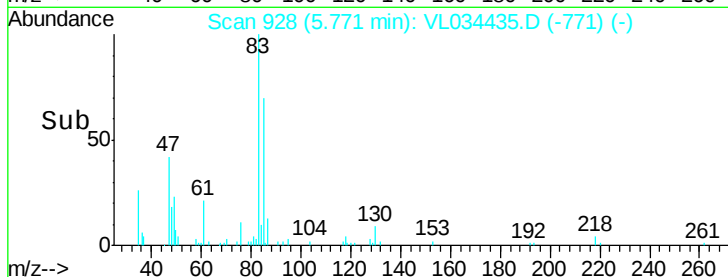
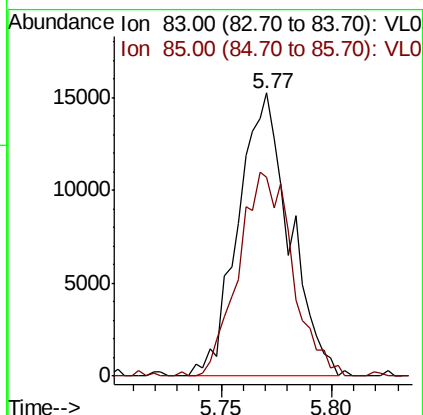
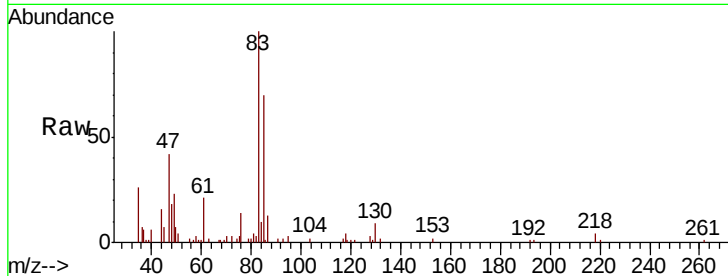
85 70.2 50.4 75.6

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#31

cis-1,2-Dichloroethene

Concen: 1.500 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.00 min

Lab File: VL034435.D

Acq: 2 Dec 2019 20:45

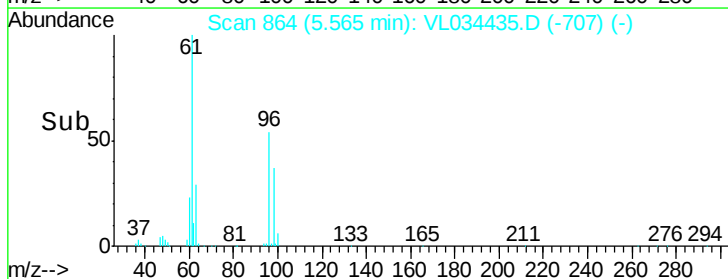
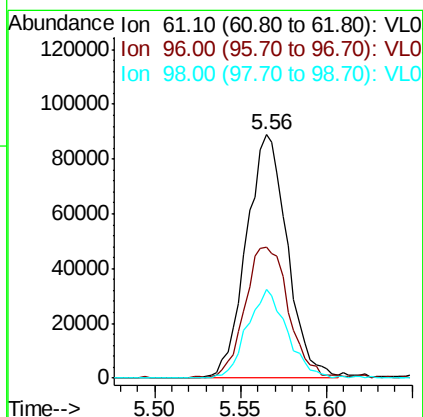
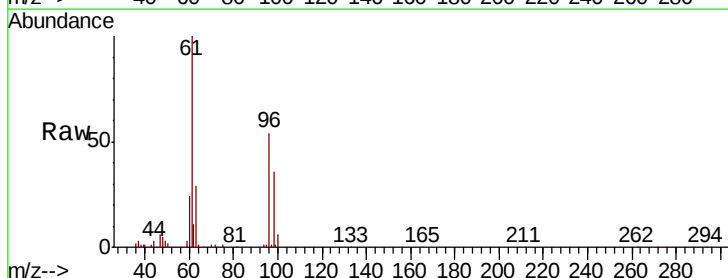
Tgt Ion: 61 Resp: 147118

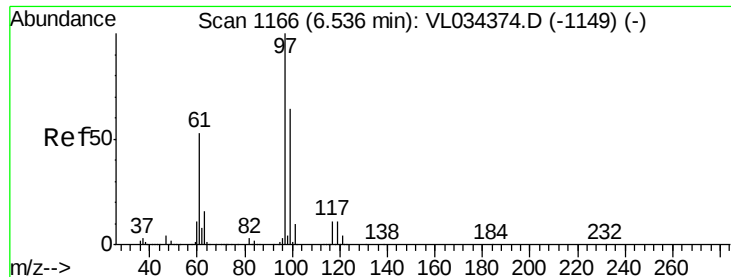
Ion Ratio Lower Upper

61 100

96 53.4 47.4 71.2

98 36.3 30.6 45.8





#32

1,1,1-Trichloroethane

Concen: 0.433 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VL034435.D

Acq: 2 Dec 2019 20:45

Instrument :

MSVOA_L

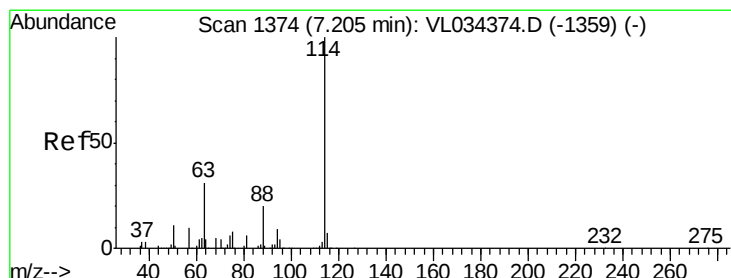
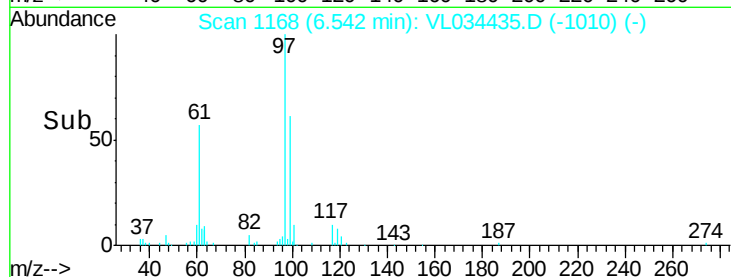
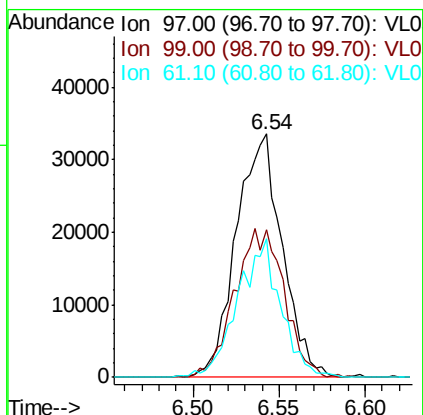
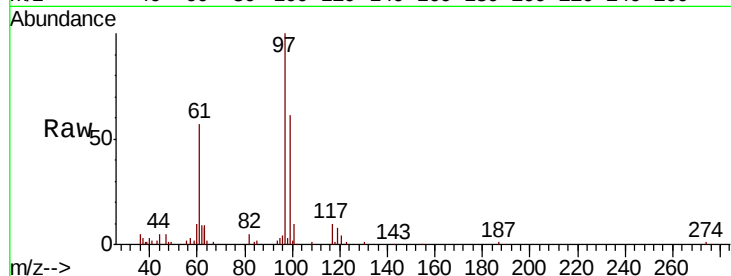
ClientSampled :

SV-4DL

Tot Ion:	97	Resp:	62411
Ion Ratio	Lower	Upper	
97	100		
99	65.4	52.3	78.5
61	53.3	43.7	65.5

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

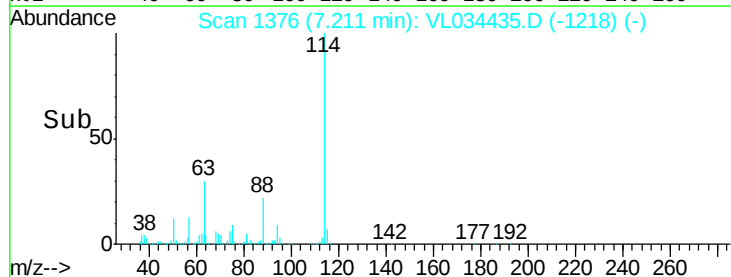
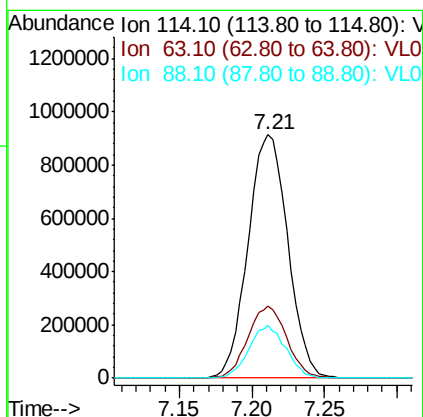
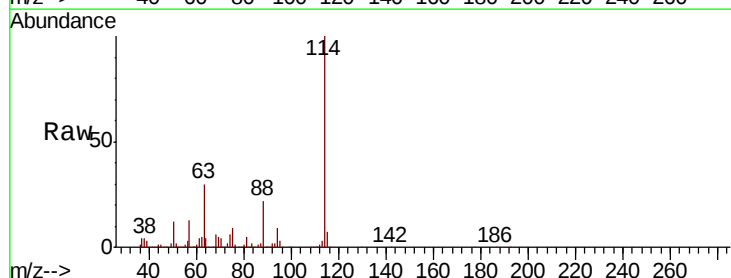
RT: 7.21 min Scan# 1376

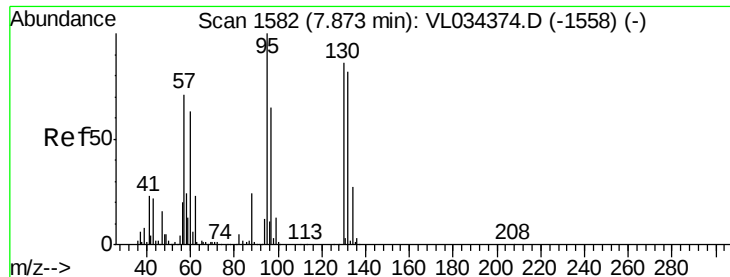
Delta R.T. 0.01 min

Lab File: VL034435.D

Acq: 2 Dec 2019 20:45

Tgt Ion:	114	Resp:	1750717
Ion Ratio	Lower	Upper	
114	100		
63	29.0	24.2	36.4
88	20.3	15.9	23.9





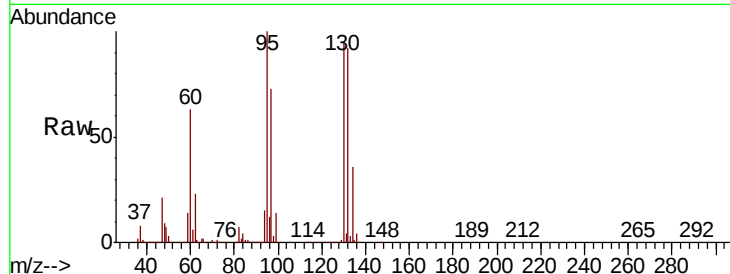
#38
 Trichloroethene
 Concen: 72.492 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VL034435.D
 Acq: 2 Dec 2019 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

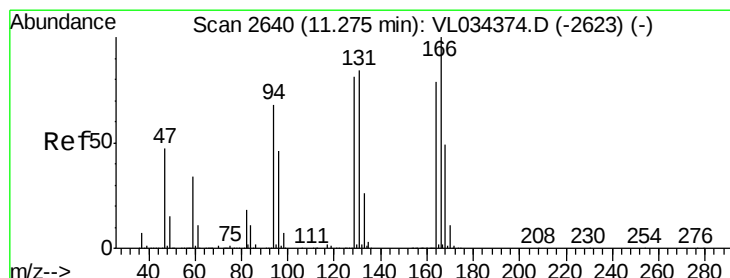
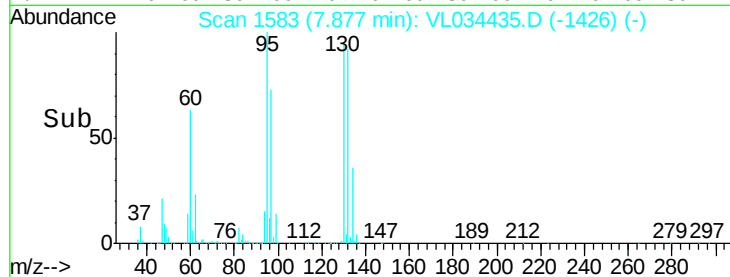
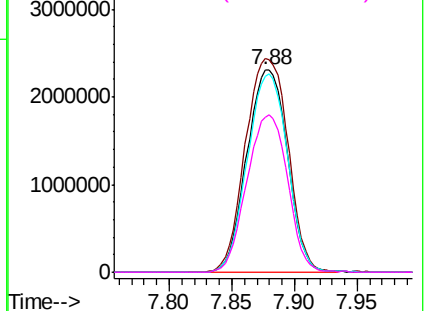
Tot Ion:130 Resp: 5206336
 Ion Ratio Lower Upper
 130 100
 95 105.4 93.4 140.0
 132 96.5 76.4 114.6
 97 76.4 61.1 91.7

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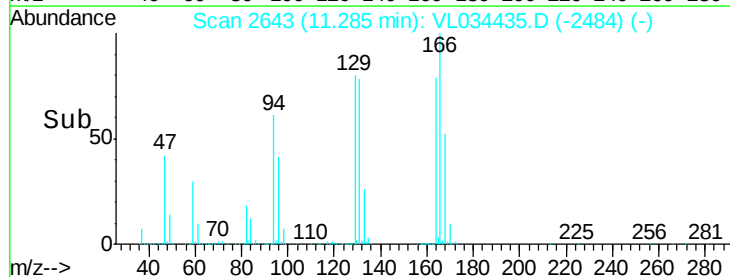
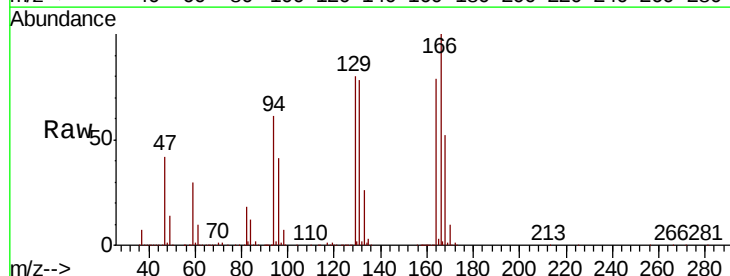
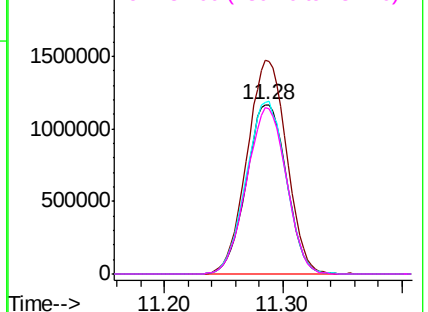
Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

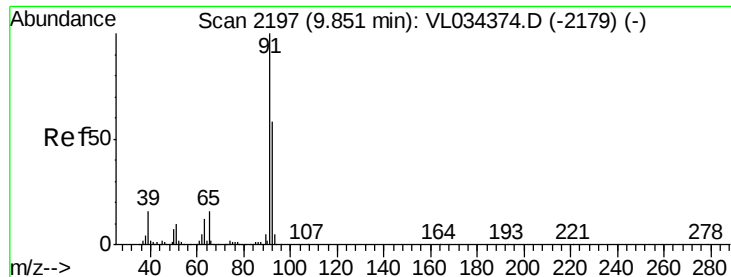


#52
 Tetrachloroethene
 Concen: 35.796 ppbv
 RT: 11.28 min Scan# 2643
 Delta R.T. 0.01 min
 Lab File: VL034435.D
 Acq: 2 Dec 2019 20:45

Tgt Ion:164 Resp: 2710519
 Ion Ratio Lower Upper
 164 100
 166 125.9 101.7 152.5
 129 101.3 82.6 123.8
 131 98.0 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





#53

Toluene

Concen: 0.234 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VL034435.D

Acq: 2 Dec 2019 20:45

Instrument :

MSVOA_L

ClientSampled :

SV-4DL

Tot Ion: 91 Resp: 46542

Ion Ratio Lower Upper

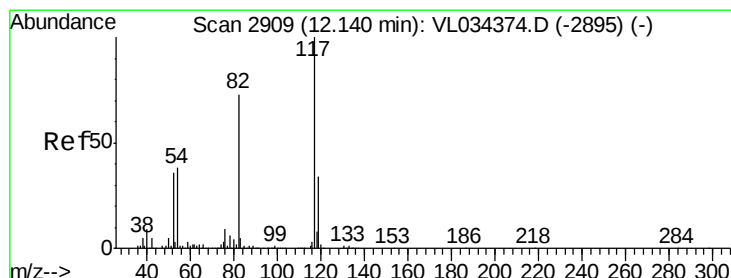
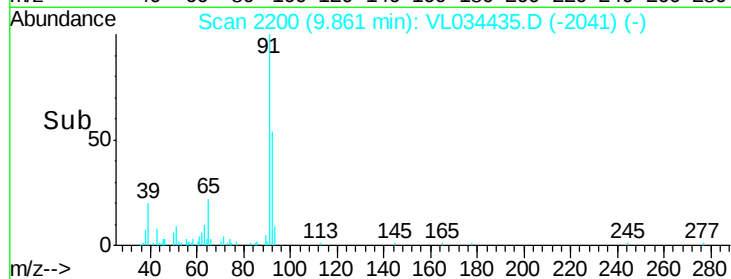
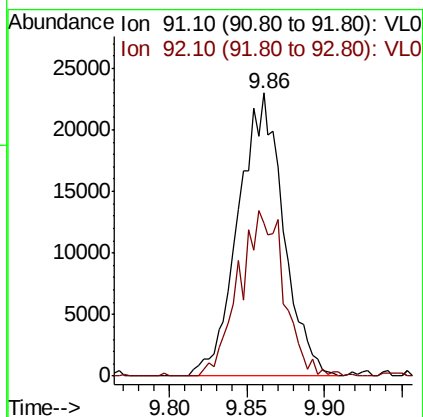
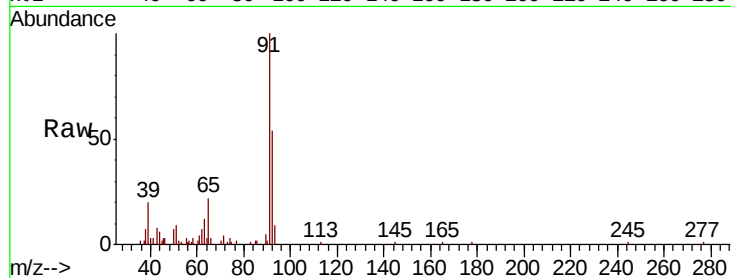
91 100

92 58.5 47.9 71.9

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL034435.D

Acq: 2 Dec 2019 20:45

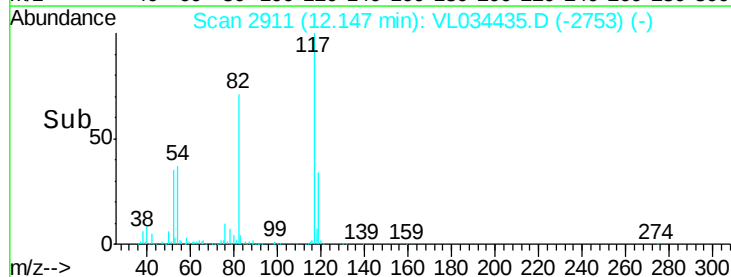
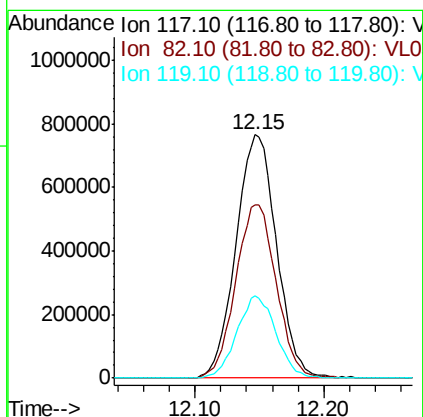
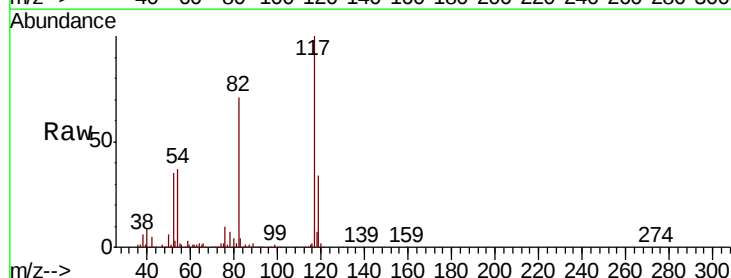
Tgt Ion: 117 Resp: 1671280

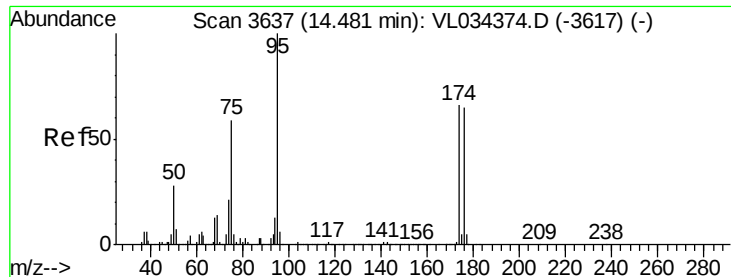
Ion Ratio Lower Upper

117 100

82 71.4 57.5 86.3

119 32.9 25.4 38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.042 ppbv
 RT: 14.48 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VL034435.D
 Acq: 2 Dec 2019 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.3	52.2	78.2
175	5.0	3.8	5.8

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