

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034436.D
 Acq On : 2 Dec 2019 21:23
 Operator : SY/AP
 Sample : K6068-04DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL2

Quant Time: Dec 03 02:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.68	49	803377	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1634340	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1542005	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1292820	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

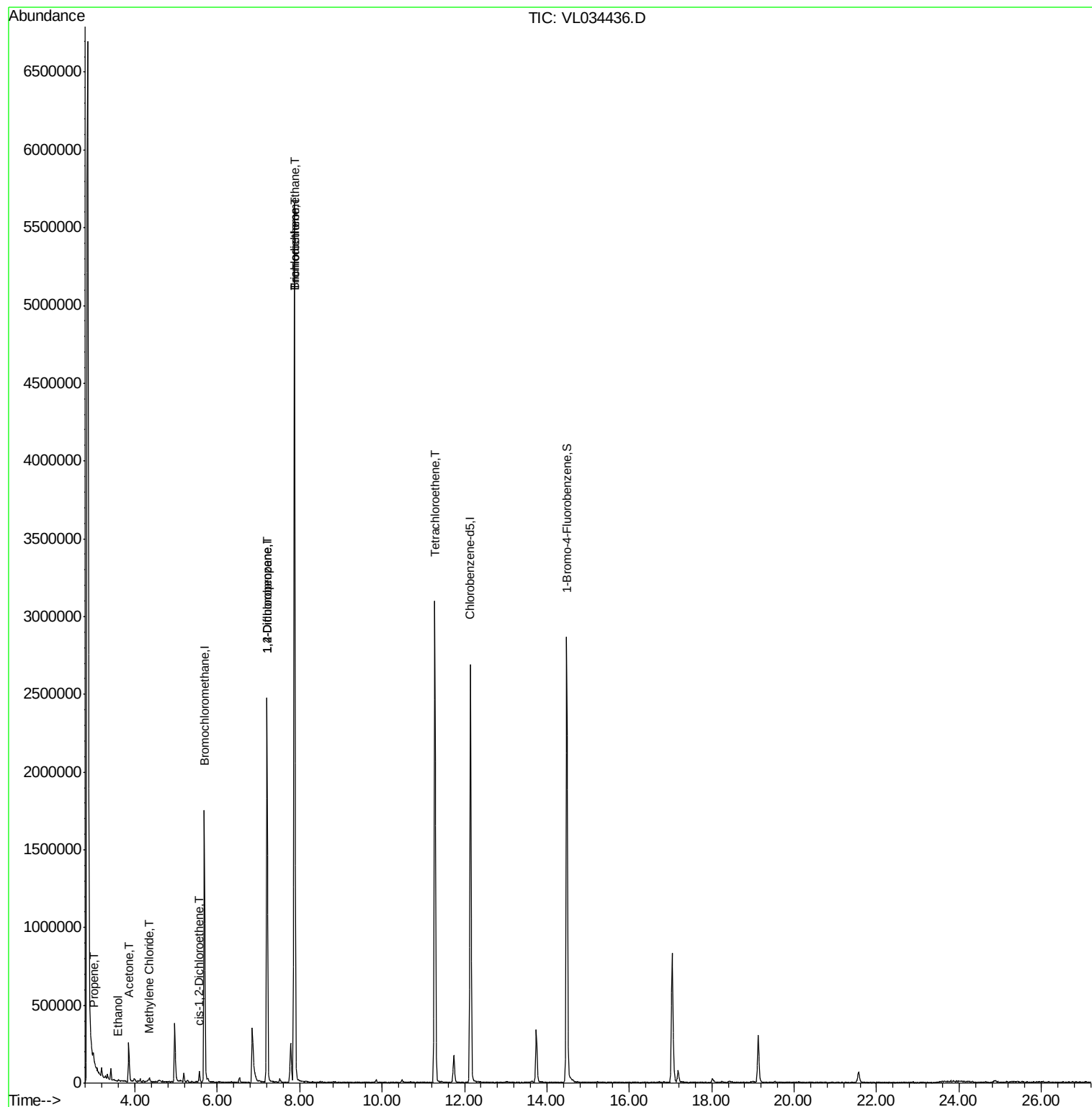
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.99	41	12195	0.274	ppbv	97
13) Ethanol	3.58	45	464	0.037	ppbv #	40
15) Acetone	3.85	43	240564	2.091	ppbv	97
20) Methylene Chloride	4.35	84	4295	0.105	ppbv	94
31) cis-1,2-Dichloroethene	5.56	61	35436	0.389	ppbv #	87
38) Trichloroethene	7.87	130	1677009	25.013	ppbv	96
39) 1,2-Dichloropropane	7.20	63	463432	7.363	ppbv #	24
42) Bromodichloromethane	7.87	83	11838	0.078	ppbv	98
52) Tetrachloroethene	11.28	164	726758	10.281	ppbv	96

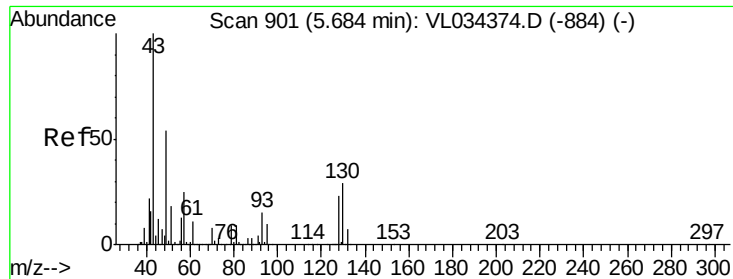
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
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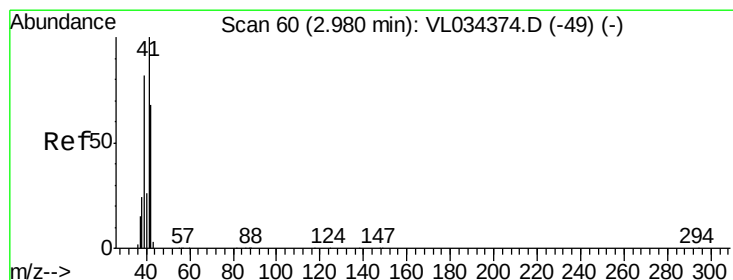
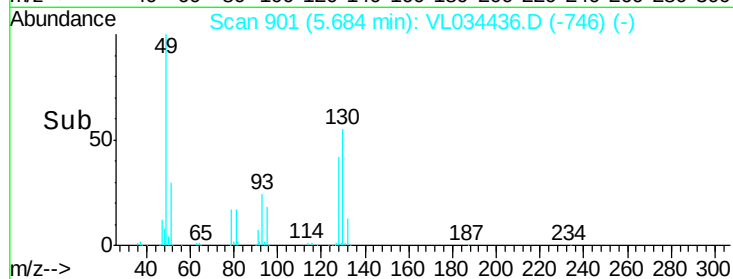
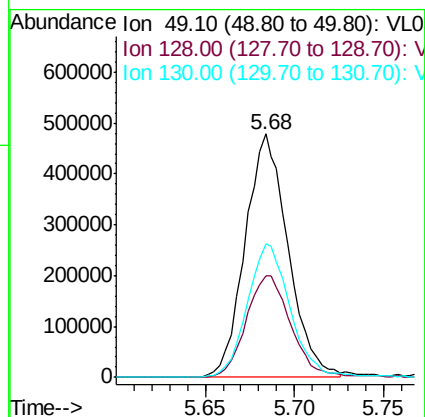
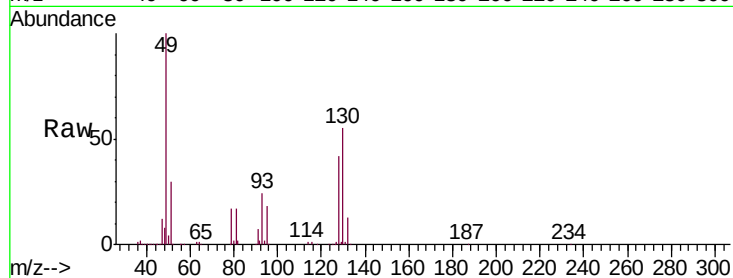




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VL034436.D
 Acq: 2 Dec 2019 21:23

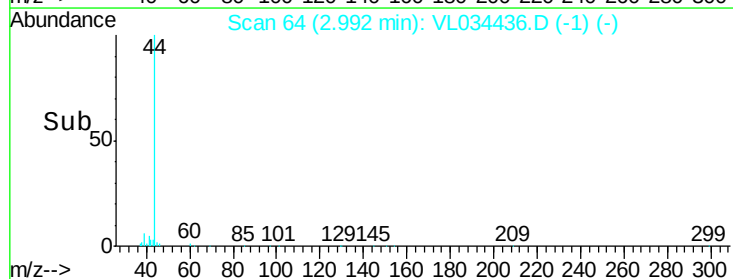
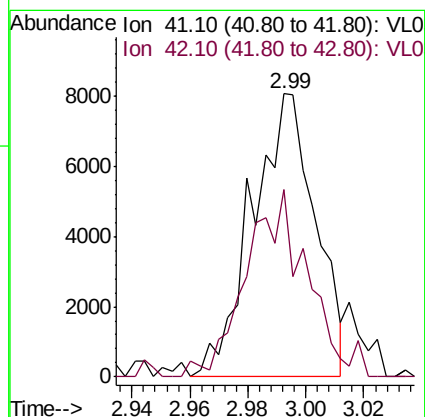
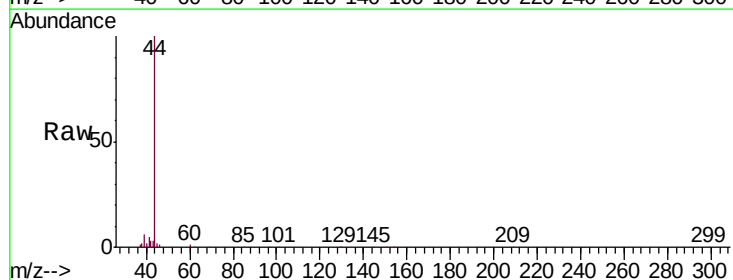
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL2

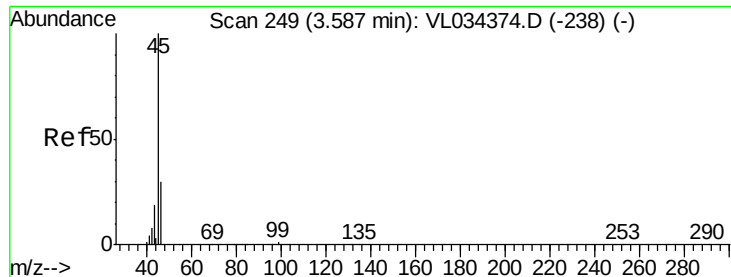
Tgt Ion: 49 Resp: 803377
 Ion Ratio Lower Upper
 49 100
 128 44.3 21.8 65.3
 130 55.4 28.0 84.0



#9
 Propene
 Concen: 0.274 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. 0.01 min
 Lab File: VL034436.D
 Acq: 2 Dec 2019 21:23

Tgt Ion: 41 Resp: 12195
 Ion Ratio Lower Upper
 41 100
 42 65.5 54.6 82.0

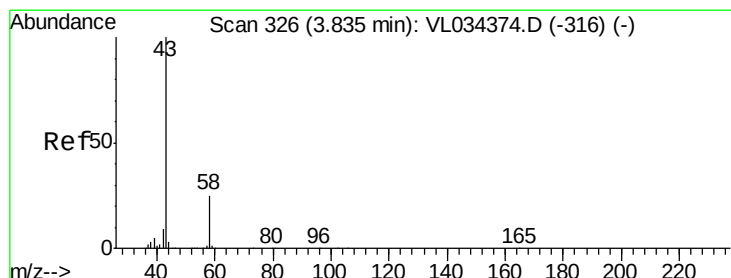
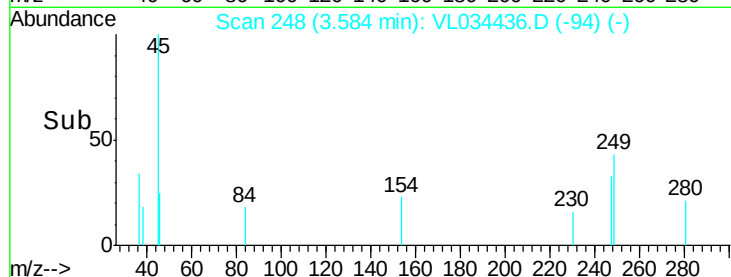
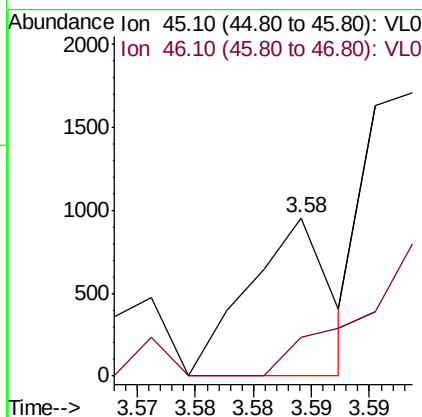
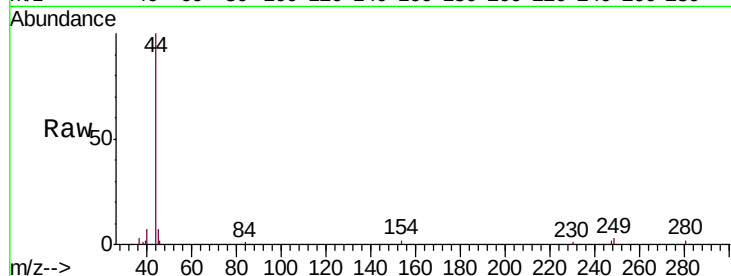




#13
Ethanol
Concen: 0.037 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034436.D
Acq: 2 Dec 2019 21:23

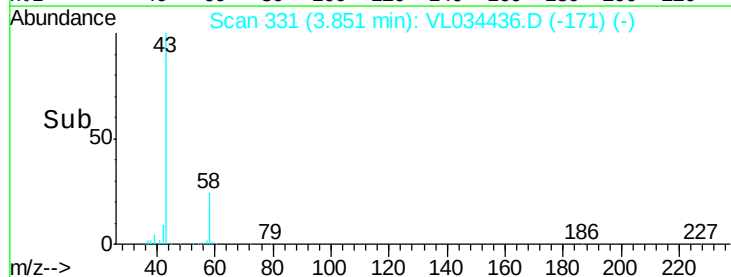
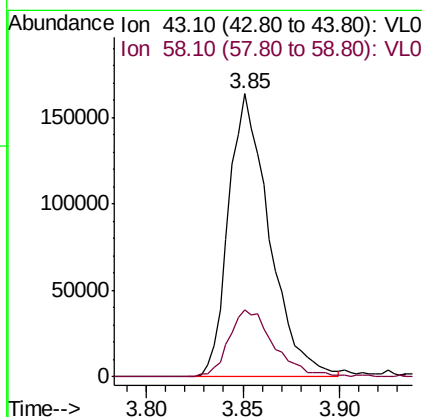
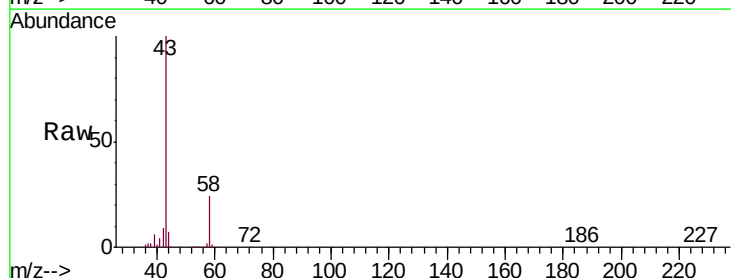
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL2

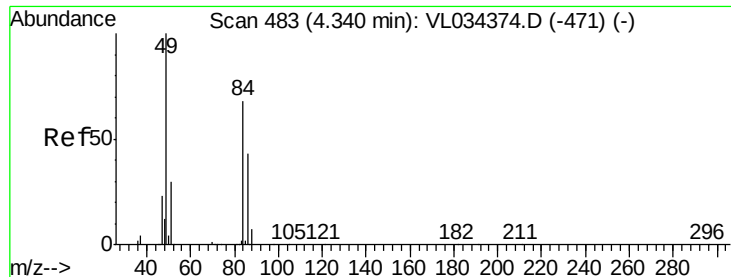
Tgt Ion: 45 Resp: 464
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.4#



#15
Acetone
Concen: 2.091 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL034436.D
Acq: 2 Dec 2019 21:23

Tgt Ion: 43 Resp: 240564
Ion Ratio Lower Upper
43 100
58 26.6 20.2 30.4

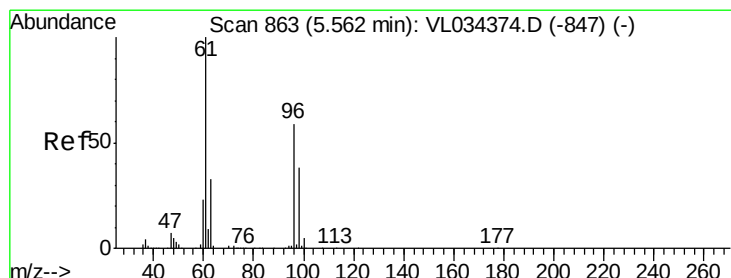
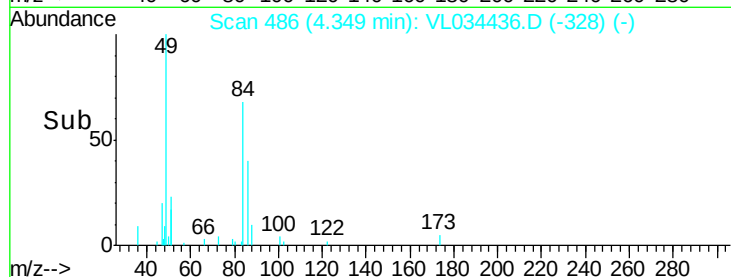
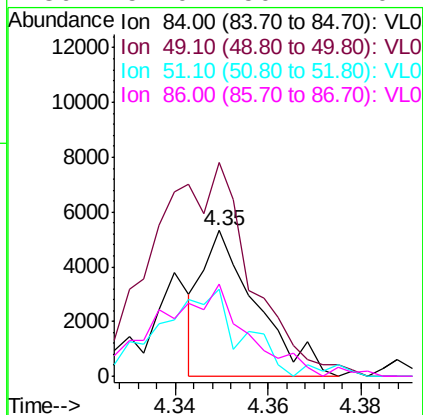
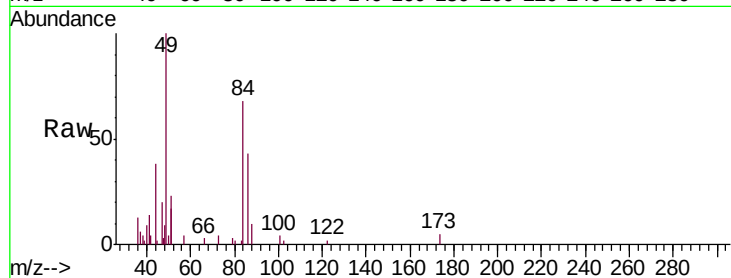




#20
Methylene Chloride
Concen: 0.105 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL034436.D
Acq: 2 Dec 2019 21:23

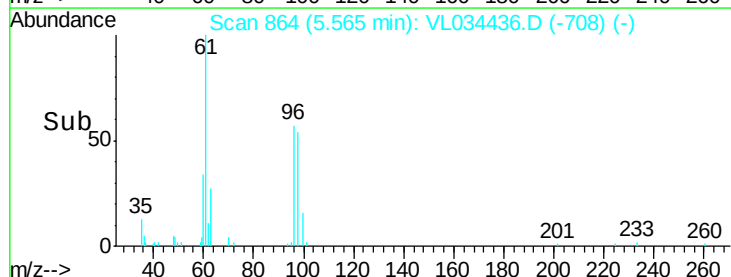
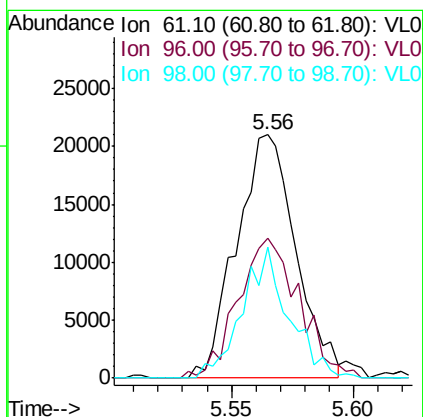
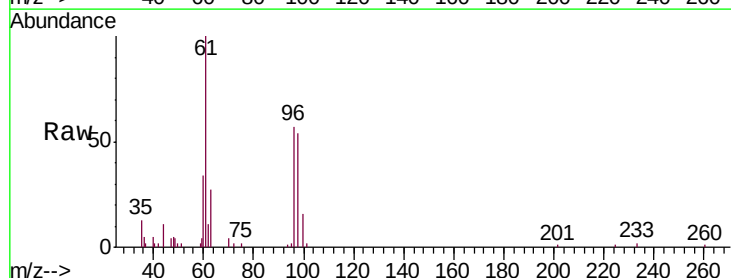
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL2

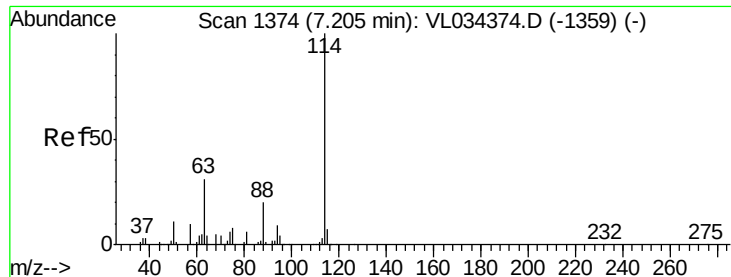
Tgt Ion:	84	Resp:	4295
Ion	Ratio	Lower	Upper
84	100		
49	139.0	116.8	175.2
51	48.3	35.6	53.4
86	57.0	50.7	76.1



#31
cis-1,2-Dichloroethene
Concen: 0.389 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL034436.D
Acq: 2 Dec 2019 21:23

Tgt Ion:	61	Resp:	35436
Ion	Ratio	Lower	Upper
61	100		
96	54.7	47.4	71.2
98	52.3	30.6	45.8#

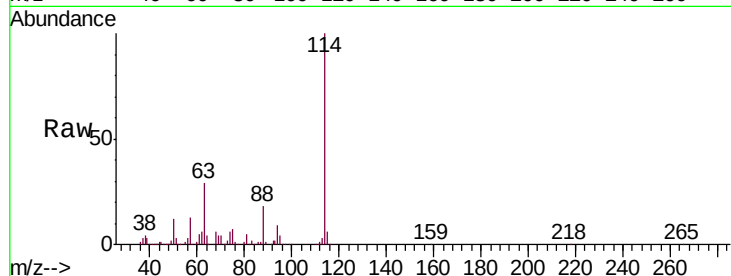




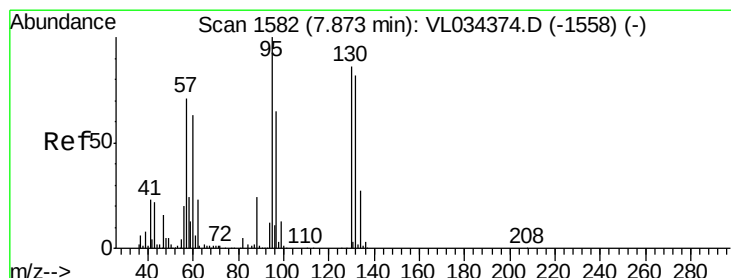
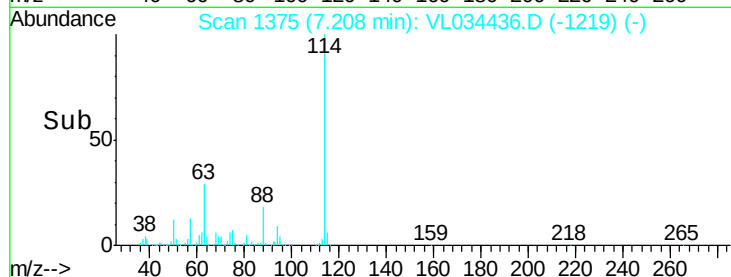
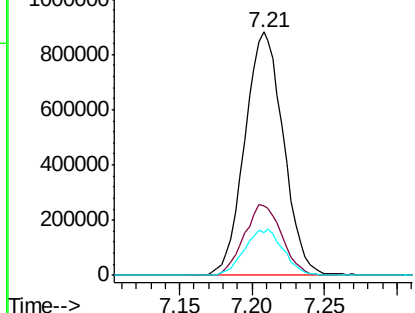
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VL034436.D
 Acq: 2 Dec 2019 21:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL2

Tgt Ion:114 Resp: 1634340
 Ion Ratio Lower Upper
 114 100
 63 28.5 24.2 36.4
 88 19.1 15.9 23.9

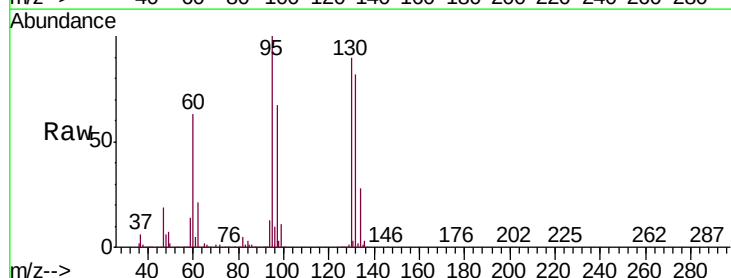


Abundance Ion 114.10 (113.80 to 114.80): V
 1200000 Ion 63.10 (62.80 to 63.80): VL0
 1000000 Ion 88.10 (87.80 to 88.80): VL0

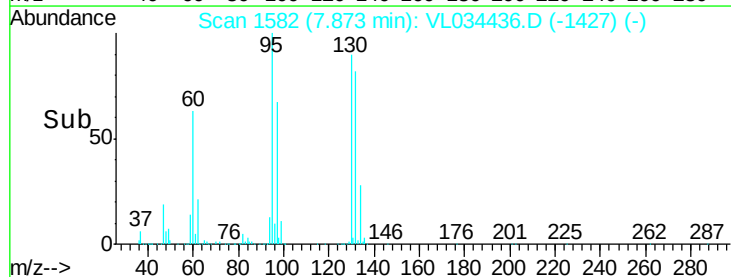
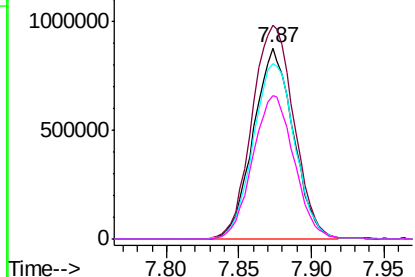


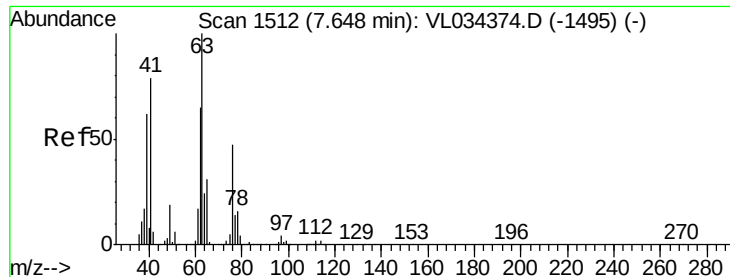
#38
 Trichloroethene
 Concen: 25.013 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VL034436.D
 Acq: 2 Dec 2019 21:23

Tgt Ion:130 Resp: 1677009
 Ion Ratio Lower Upper
 130 100
 95 111.6 93.4 140.0
 132 91.8 76.4 114.6
 97 75.1 61.1 91.7



Abundance Ion 130.00 (129.70 to 130.70): V
 1500000 Ion 95.00 (94.70 to 95.70): VL0
 1000000 Ion 132.00 (131.70 to 132.70): V
 500000 Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 7.363 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.44 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL2

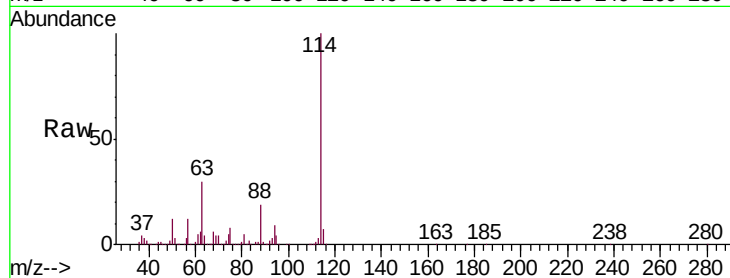
Tgt Ion: 63 Resp: 463432

Ion Ratio Lower Upper

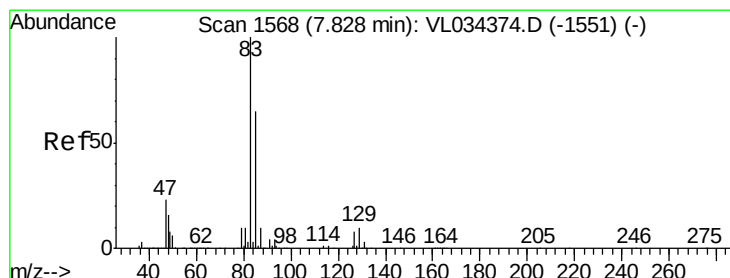
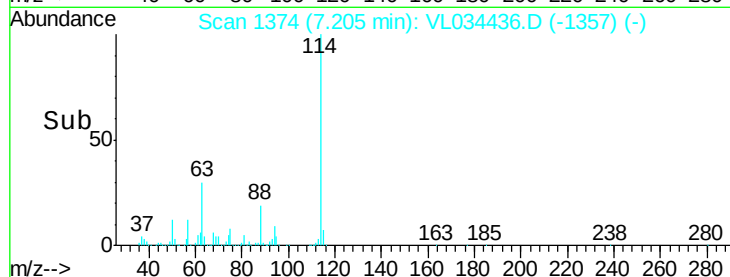
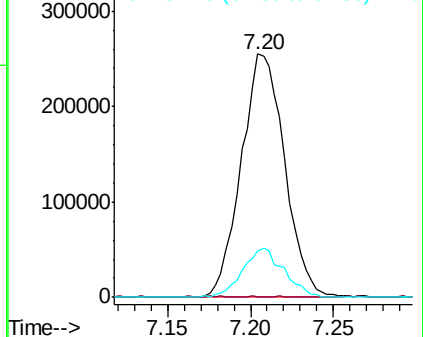
63 100

41 0.3 63.1 94.7#

62 19.1 52.3 78.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#42

Bromodichloromethane

Concen: 0.078 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.04 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

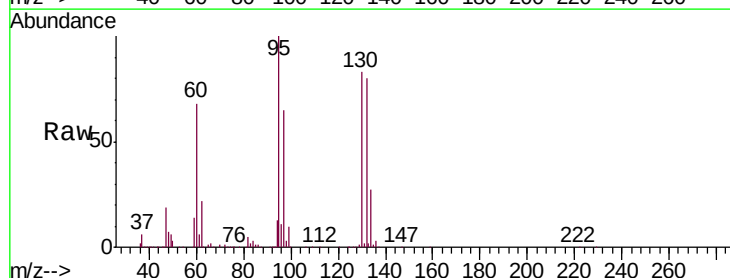
Tgt Ion: 83 Resp: 11838

Ion Ratio Lower Upper

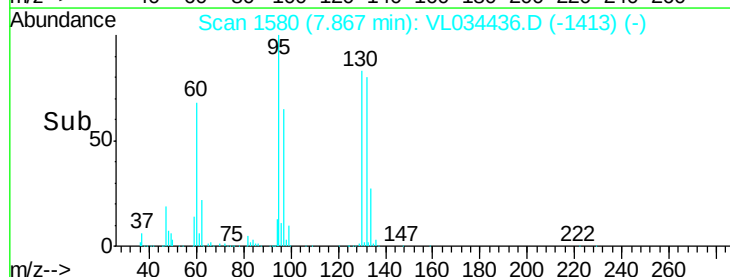
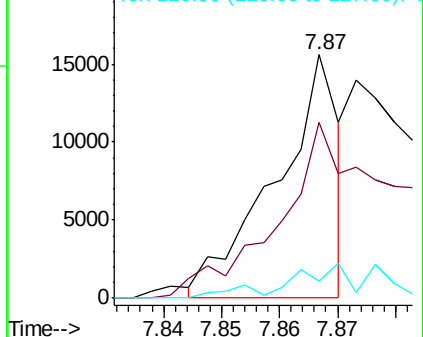
83 100

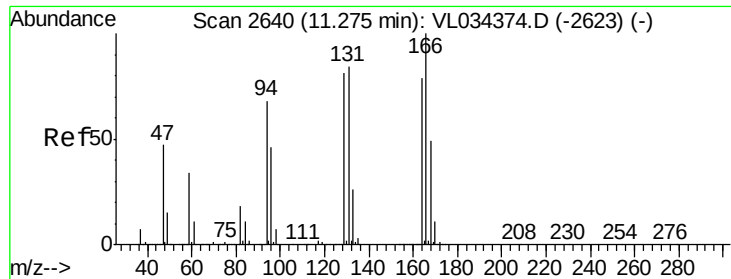
85 67.2 52.3 78.5

127 7.3 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#52

Tetrachloroethene

Concen: 10.281 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL2

Tgt Ion:164 Resp: 726758

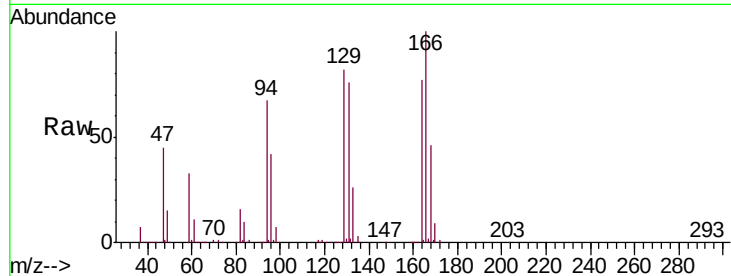
Ion Ratio Lower Upper

164 100

166 129.1 101.7 152.5

129 105.8 82.6 123.8

131 97.9 85.2 127.8

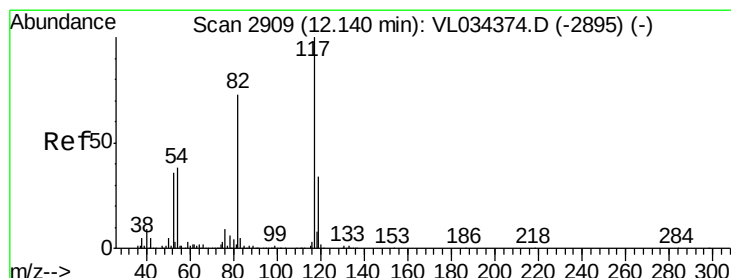
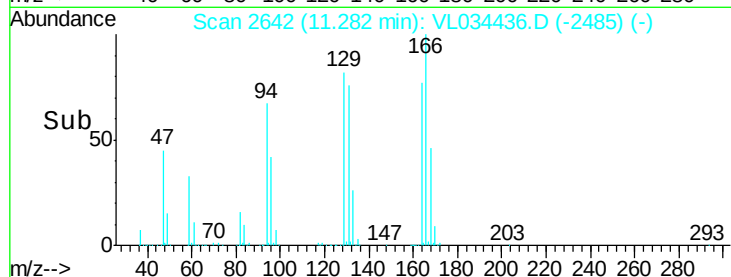
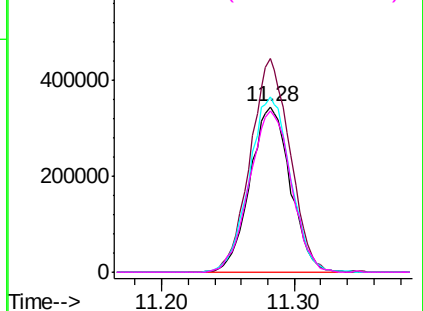


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL034436.D

Acq: 2 Dec 2019 21:23

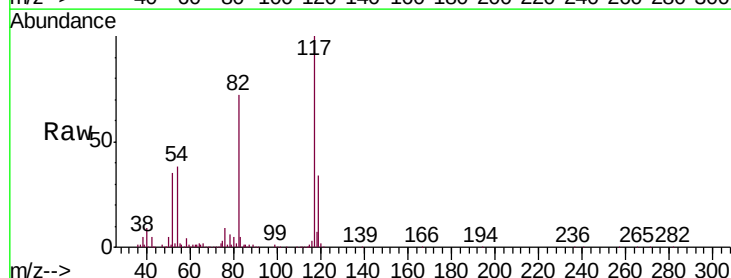
Tgt Ion:117 Resp: 1542005

Ion Ratio Lower Upper

117 100

82 72.4 57.5 86.3

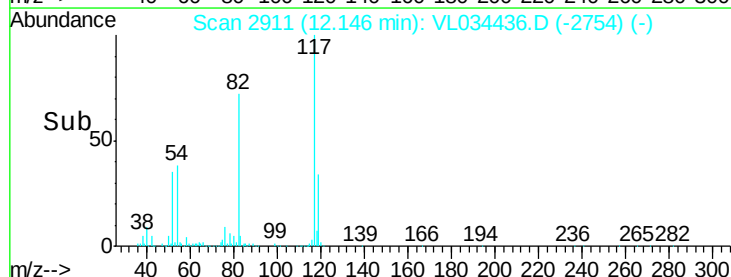
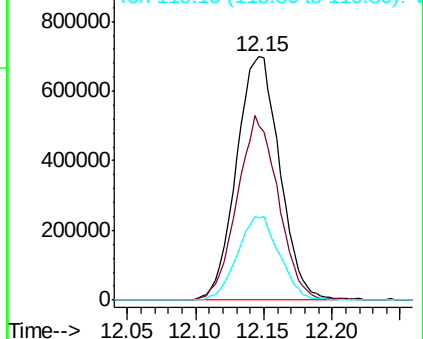
119 33.4 25.4 38.2

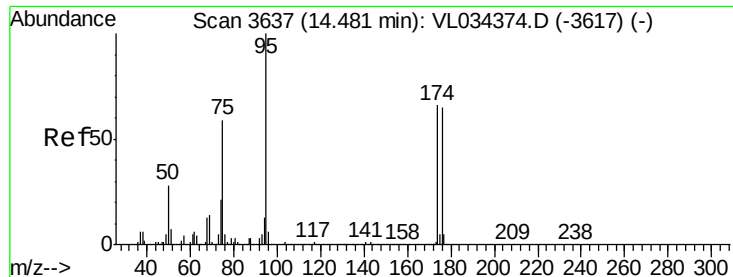


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.966 ppbv

RT: 14.48 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

Instrument :

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Tgt Ion: 95 Resp: 1292820

Ion Ratio Lower Upper

95 100

174 66.3 52.2 78.2

175 4.8 3.8 5.8

