

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034490.D
 Acq On : 10 Dec 2019 10:25
 Operator : SY/AP
 Sample : OC120919 CAN 10488
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 10 13:17:57 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	5.67	49	816468	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1632317	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1609026	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1384437	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

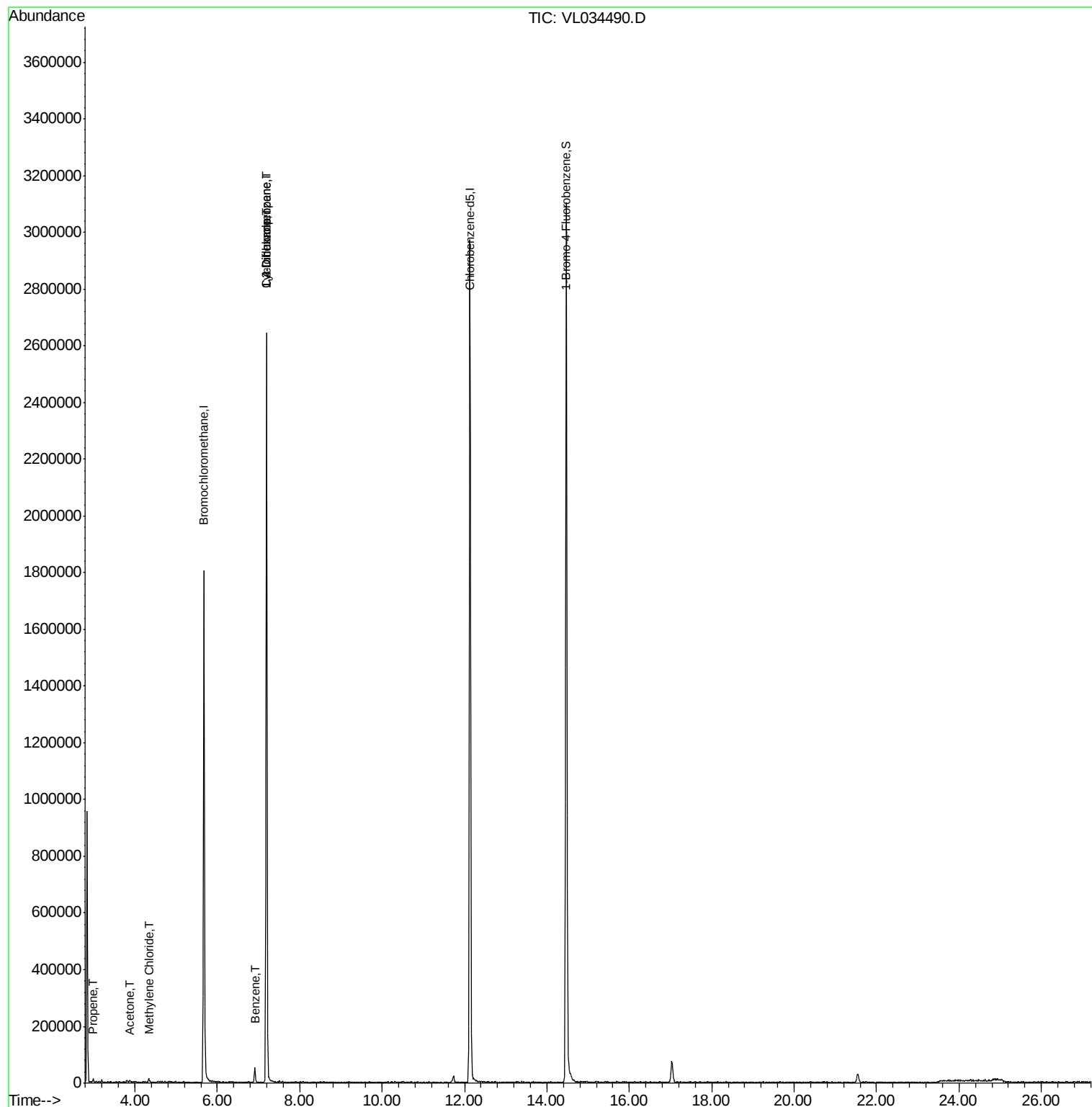
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	1681	0.037	ppbv	92
15) Acetone	3.86	43	6457	0.055	ppbv #	77
20) Methylene Chloride	4.34	84	2287	0.055	ppbv #	80
30) Cyclohexane	7.19	84	4315	0.064	ppbv #	1
36) Benzene	6.91	78	33258	0.204	ppbv #	88
39) 1,2-Dichloropropane	7.19	63	488671	7.774	ppbv #	24

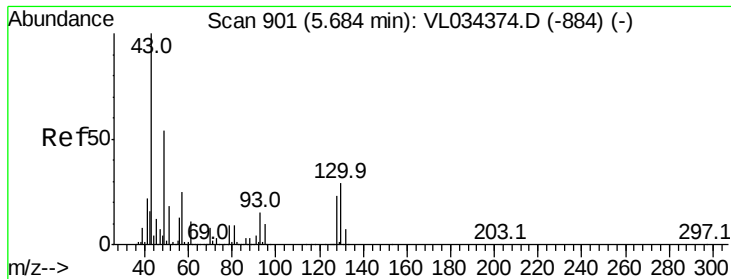
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

Instrument :

MSVOA_L

ClientSampled :

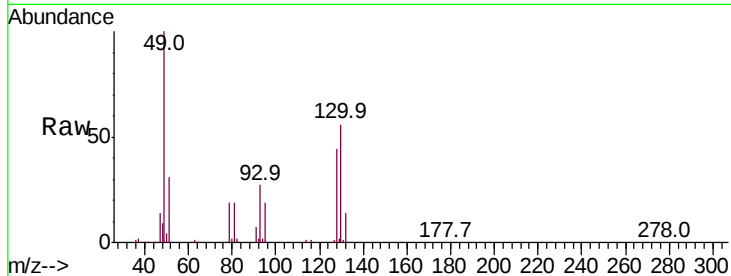
Tot Ion: 49 Resp: 816468

Ion Ratio Lower Upper

49 100

128 44.6 21.8 65.3

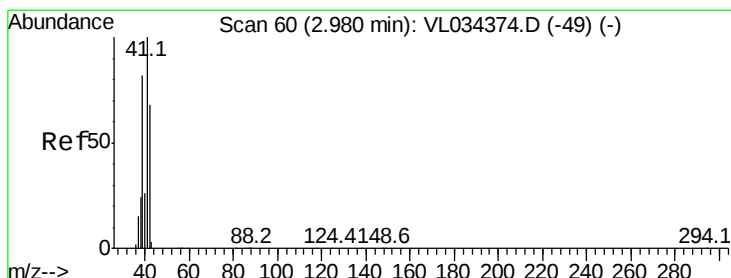
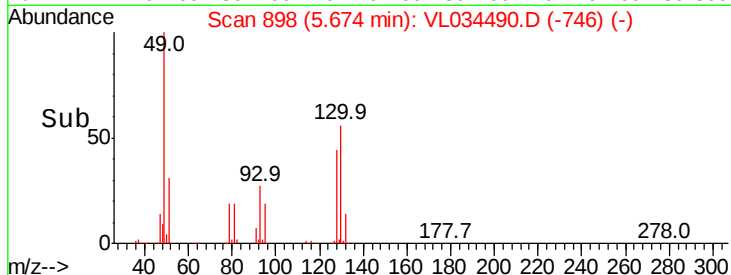
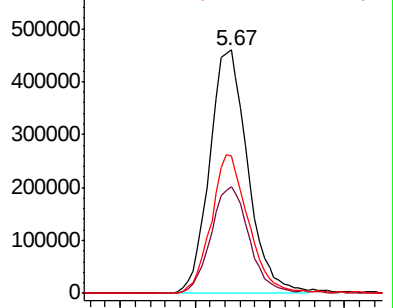
130 56.3 28.0 84.0



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



#9

Propene

Concen: 0.037 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034490.D

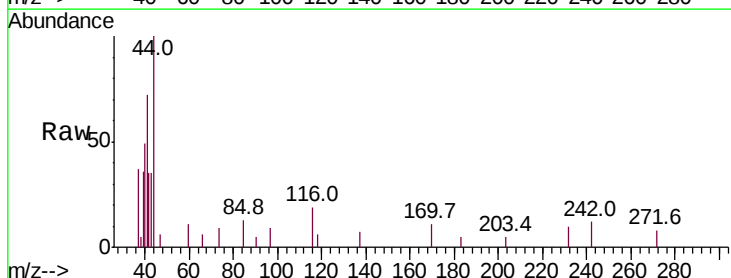
Acq: 10 Dec 2019 10:25

Tgt Ion: 41 Resp: 1681

Ion Ratio Lower Upper

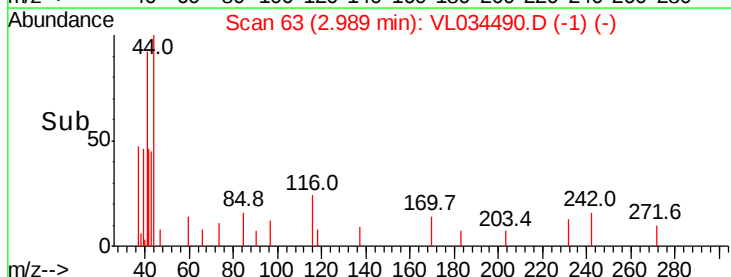
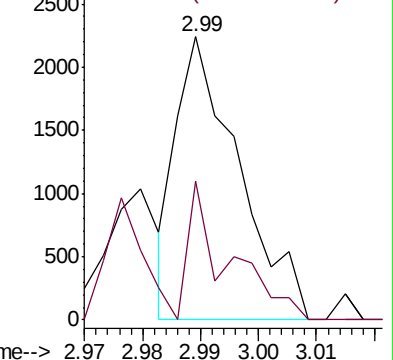
41 100

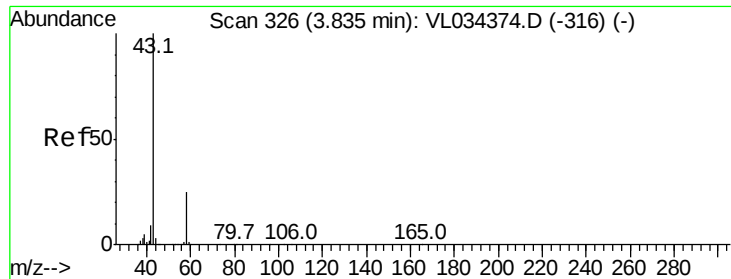
42 61.5 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

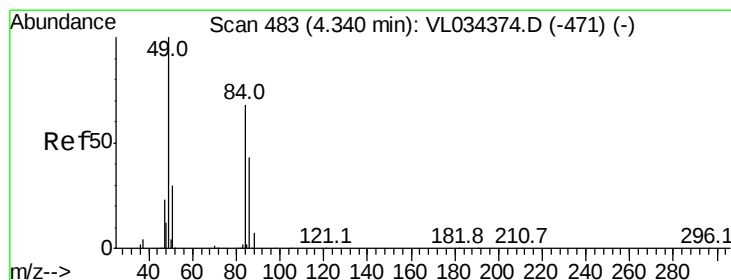
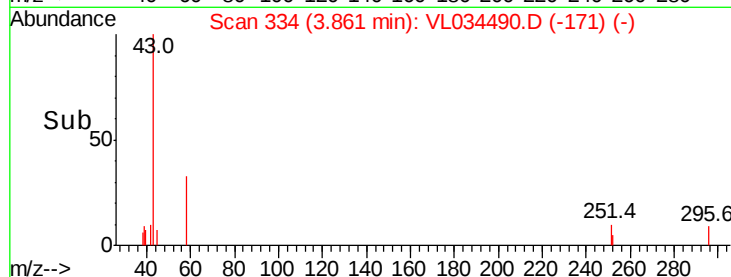
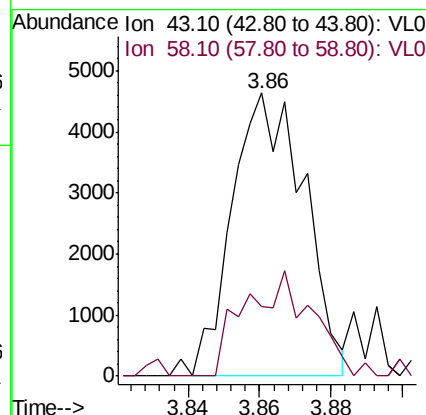
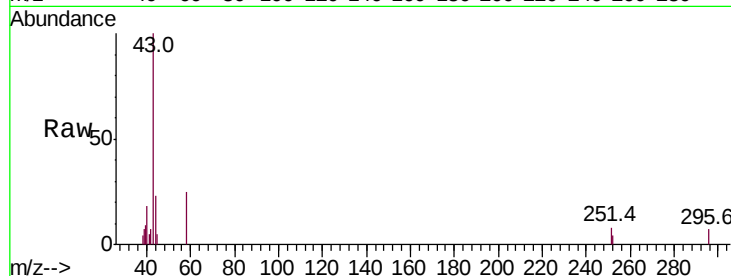




#15
Acetone
Concen: 0.055 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

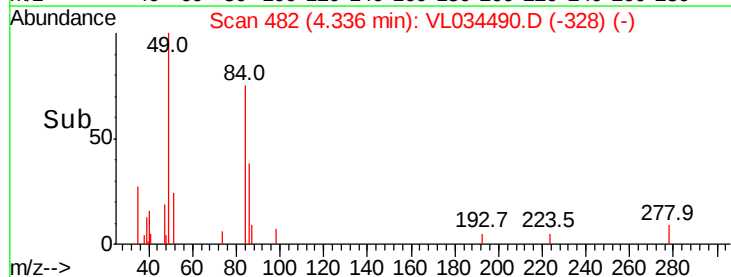
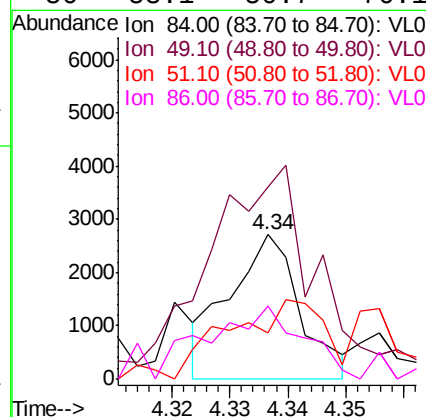
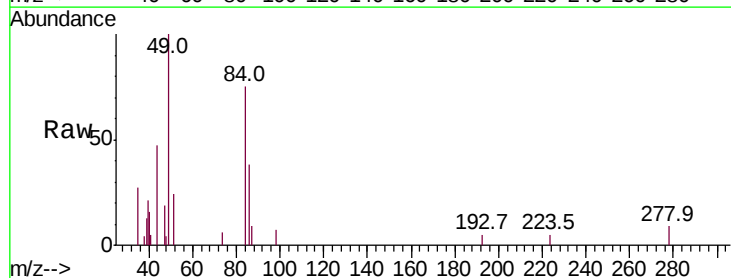
Instrument :
MSVOA_L
ClientSampleId :

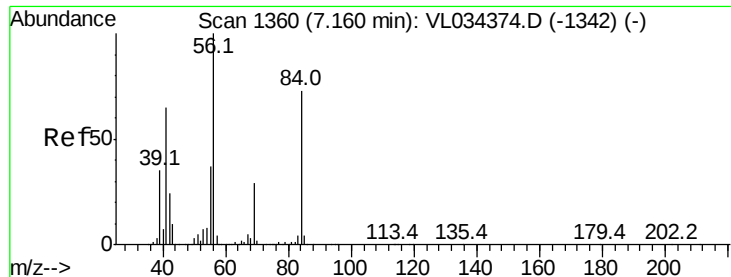
Tot Ion: 43 Resp: 6457
Ion Ratio Lower Upper
43 100
58 37.1 20.2 30.4#



#20
Methylene Chloride
Concen: 0.055 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

Tgt Ion: 84 Resp: 2287
Ion Ratio Lower Upper
84 100
49 119.2 116.8 175.2
51 26.8 35.6 53.4#
86 53.1 50.7 76.1

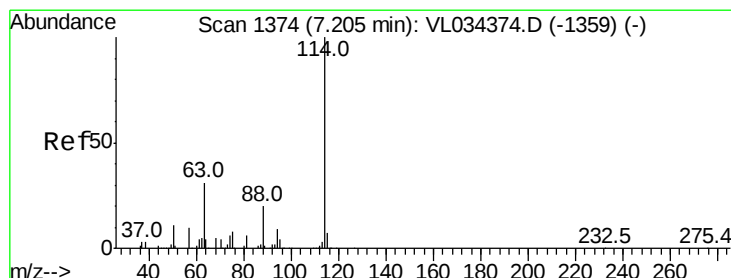
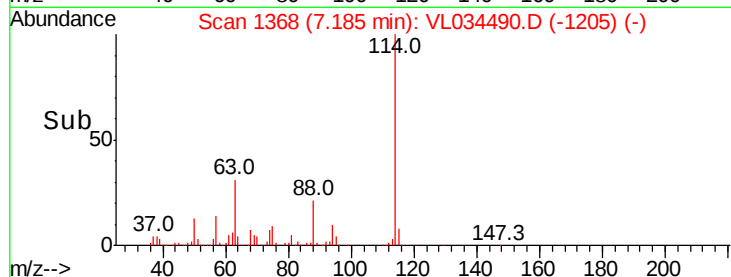
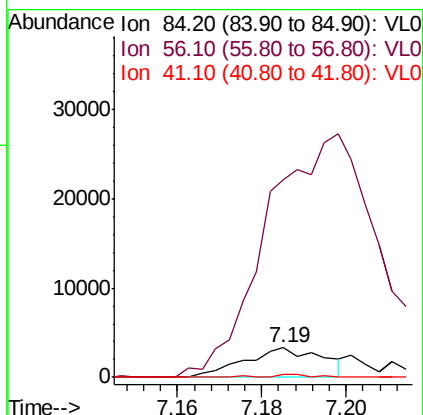
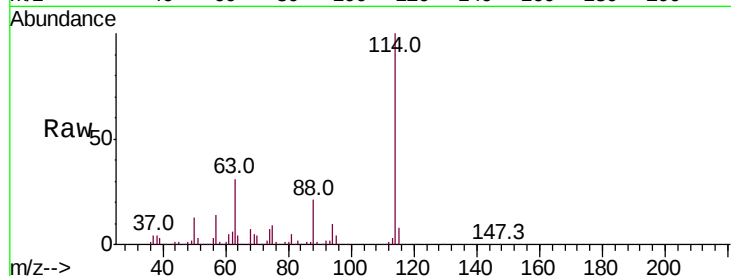




#30
Cvclohexane
Concen: 0.064 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

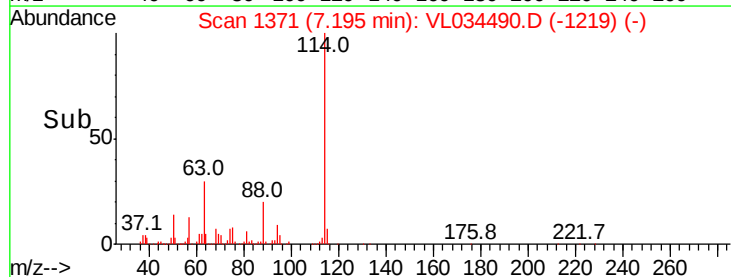
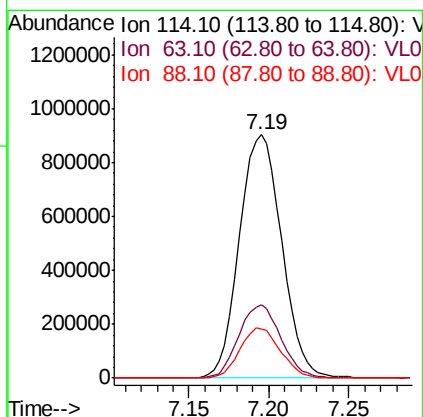
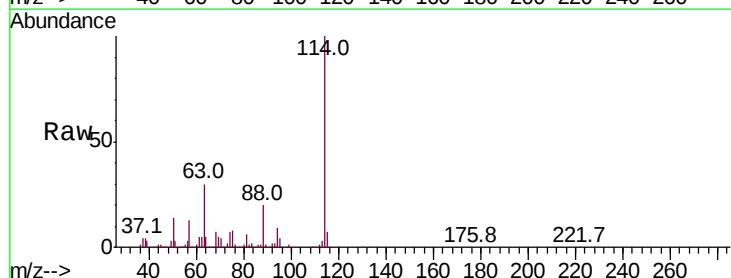
Instrument :
MSVOA_L
ClientSampleId :

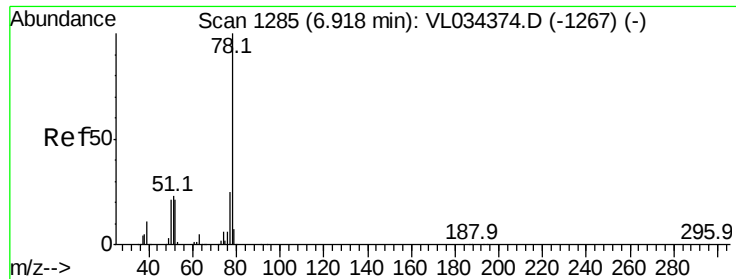
Tot Ion: 84 Resp: 4315
Ion Ratio Lower Upper
84 100
56 0.0 112.6 169.0#
41 4.4 73.4 110.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

Tgt Ion: 114 Resp: 1632317
Ion Ratio Lower Upper
114 100
63 30.1 24.2 36.4
88 19.9 15.9 23.9





#36

Benzene

Concen: 0.204 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

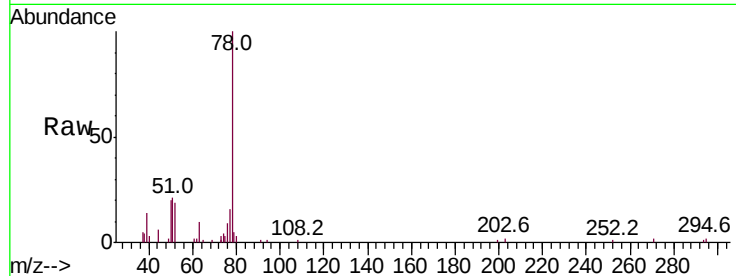
Tot Ion: 78 Resp: 33258

Ion Ratio Lower Upper

78 100

77 15.8 20.2 30.4#

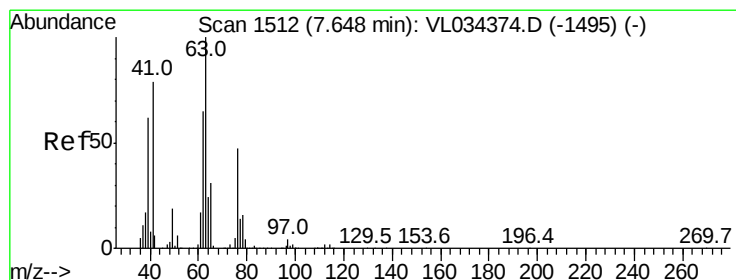
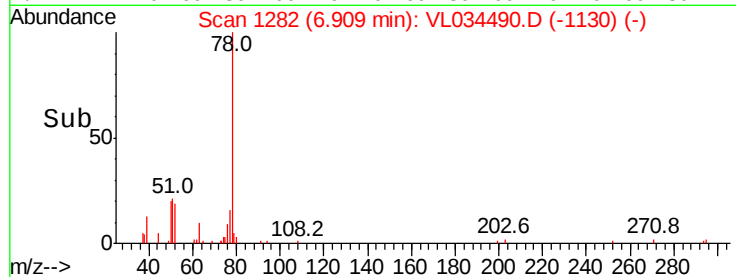
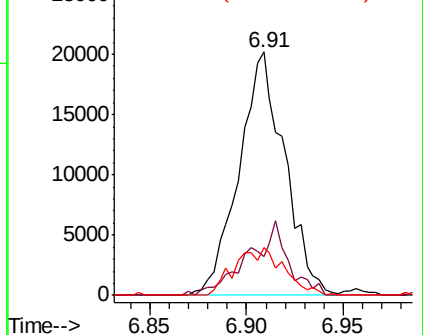
50 19.6 17.1 25.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.774 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.45 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

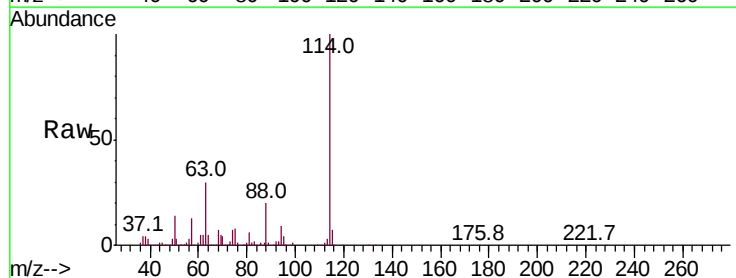
Tgt Ion: 63 Resp: 488671

Ion Ratio Lower Upper

63 100

41 0.1 63.1 94.7#

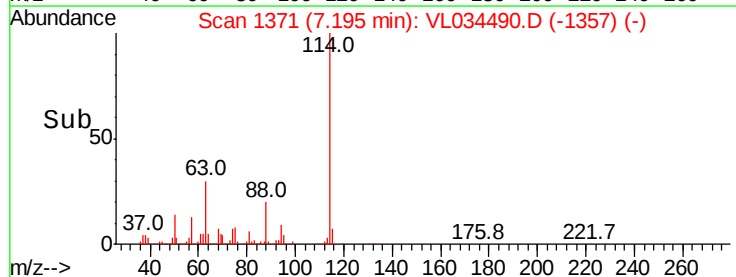
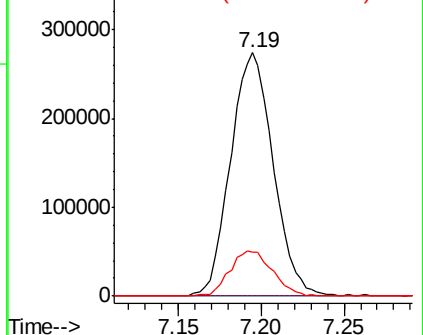
62 18.0 52.3 78.5#

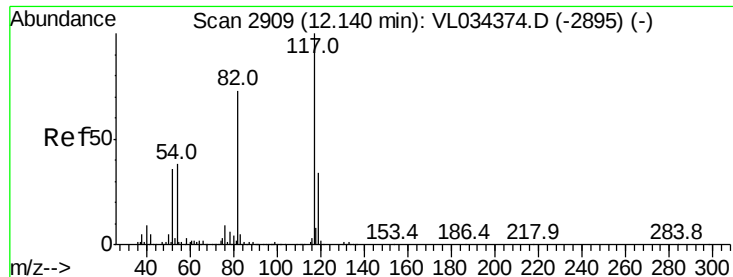


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.01 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

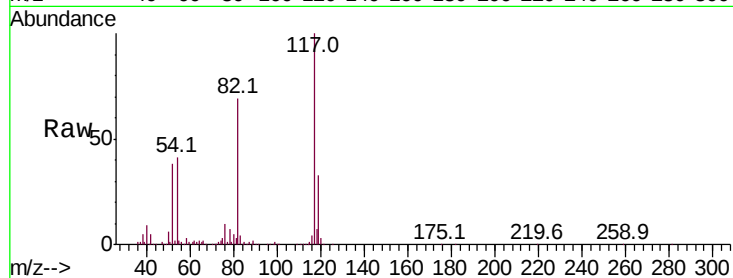
Tot Ion:117 Resp: 1609026

Ion	Ratio	Lower	Upper
117	100		
82	72.7	57.5	86.3
119	33.1	25.4	38.2

117 100

82 72.7 57.5 86.3

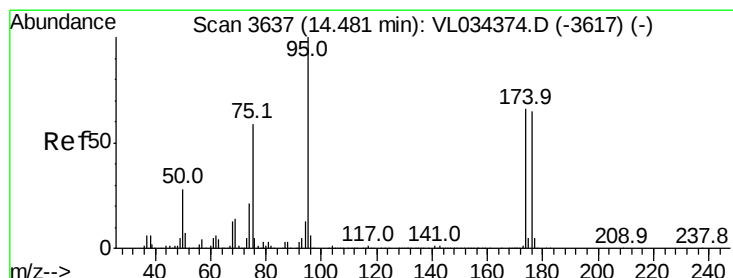
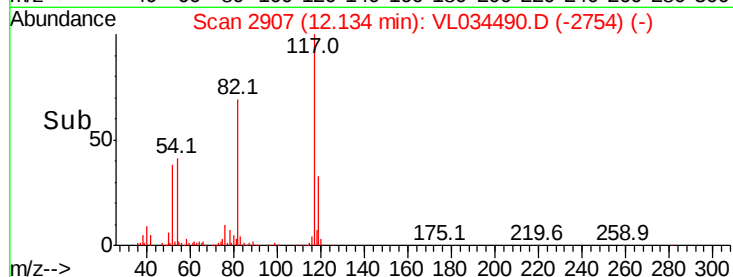
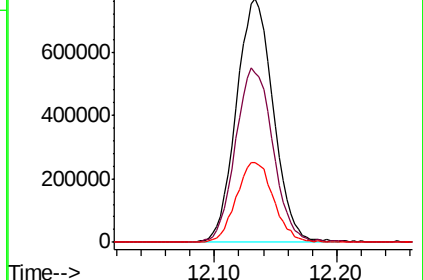
119 33.1 25.4 38.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.228 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. -0.01 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

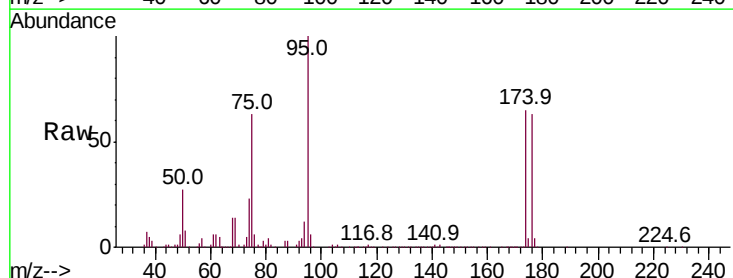
Tgt Ion: 95 Resp: 1384437

Ion	Ratio	Lower	Upper
95	100		
174	63.9	52.2	78.2
175	4.6	3.8	5.8

95 100

174 63.9 52.2 78.2

175 4.6 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

