

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034445.D
 Acq On : 3 Dec 2019 3:14
 Operator : SY/AP
 Sample : K6097-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2ADL

Quant Time: Dec 03 05:57:37 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	733009	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1423360	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1399993	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1191575	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

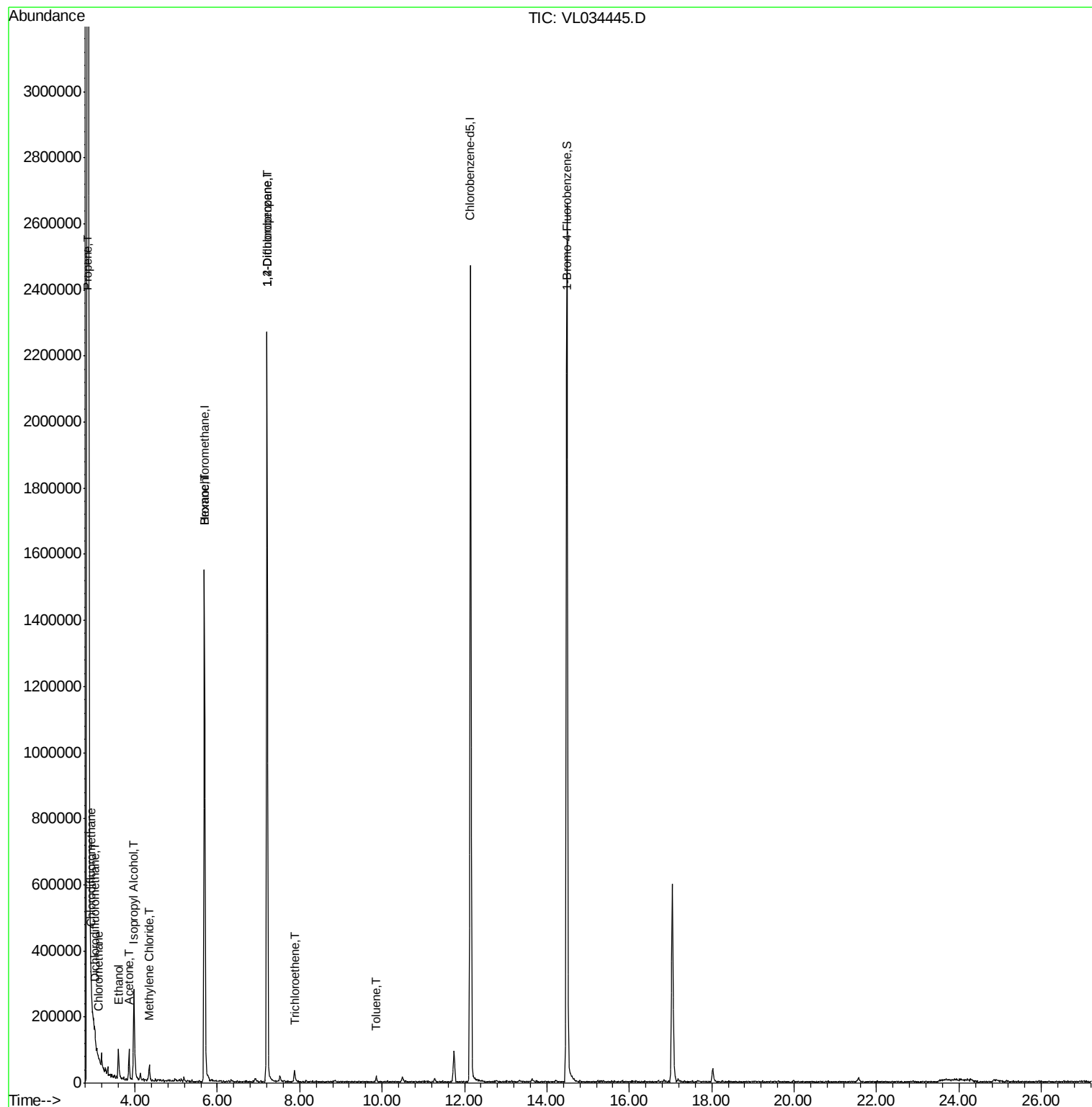
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	25715	0.194	ppbv	95
3) Chlorodifluoromethane	2.94	51	17563	0.192	ppbv #	67
4) Chloromethane	3.12	50	3665	0.068	ppbv #	84
9) Propene	2.84	41	1681	0.041	ppbv	87
13) Ethanol	3.60	45	73311	6.482	ppbv	90
15) Acetone	3.85	43	71287	0.679	ppbv	96
19) Isopropyl Alcohol	3.97	45	343250	5.102	ppbv #	98
20) Methylene Chloride	4.35	84	8768	0.236	ppbv	88
26) Hexane	5.69	57	2970	0.037	ppbv #	1
38) Trichloroethene	7.88	130	5655	0.097	ppbv #	70
39) 1,2-Dichloropropane	7.21	63	417776	7.621	ppbv #	24
53) Toluene	9.85	91	7035	0.044	ppbv #	63

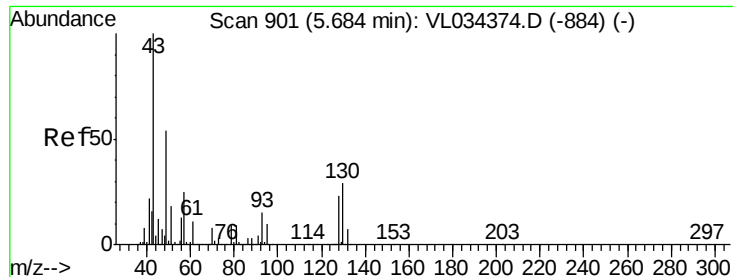
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
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ClientSampleId :
IA-2ADL

Quant Time: Dec 03 05:57:37 2019
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034445.D

Acq: 3 Dec 2019 3:14

Instrument :

MSVOA_L

ClientSampleId :

IA-2ADL

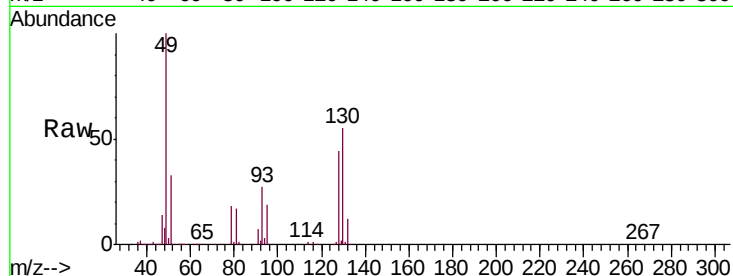
Tgt Ion: 49 Resp: 733009

Ion Ratio Lower Upper

49 100

128 44.1 21.8 65.3

130 56.0 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

5.69

400000

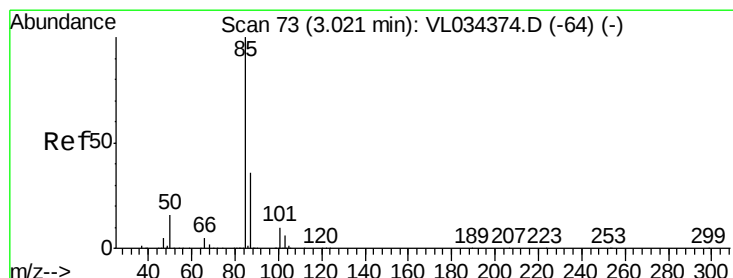
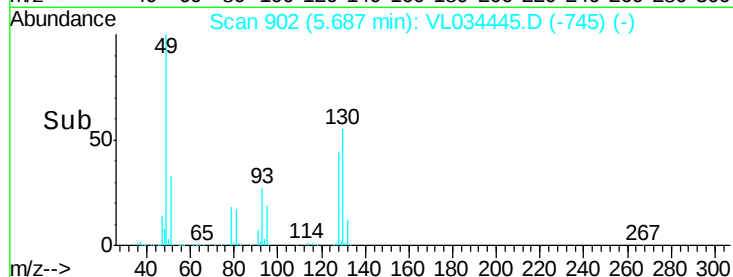
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.194 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL034445.D

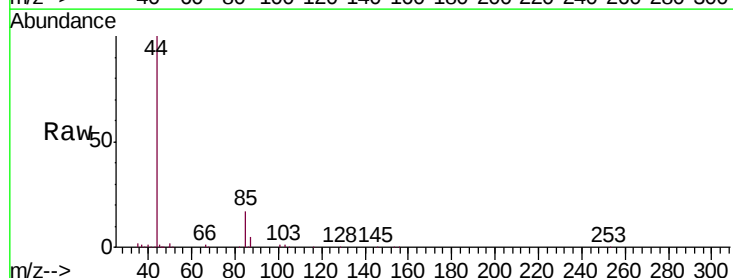
Acq: 3 Dec 2019 3:14

Tgt Ion: 85 Resp: 25715

Ion Ratio Lower Upper

85 100

87 32.4 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

25000

20000

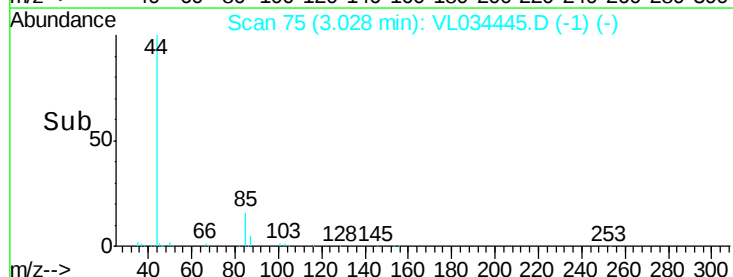
15000

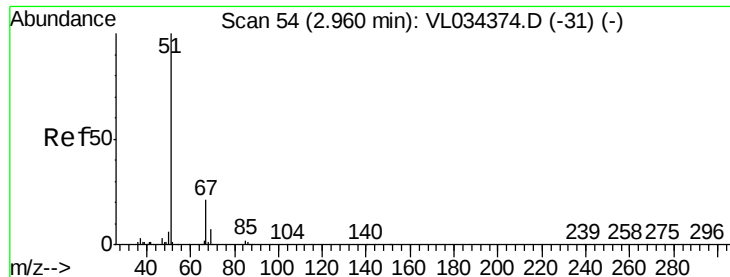
10000

5000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.192 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL034445.D

Acq: 3 Dec 2019 3:14

Instrument :

MSVOA_L

ClientSampleId :

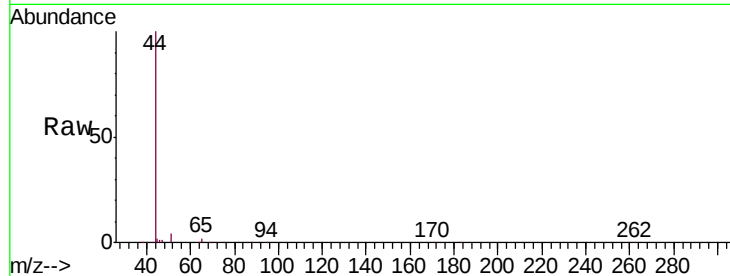
IA-2ADL

Tgt Ion: 51 Resp: 17563

Ion Ratio Lower Upper

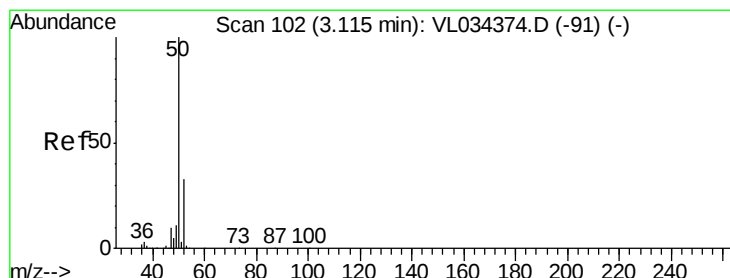
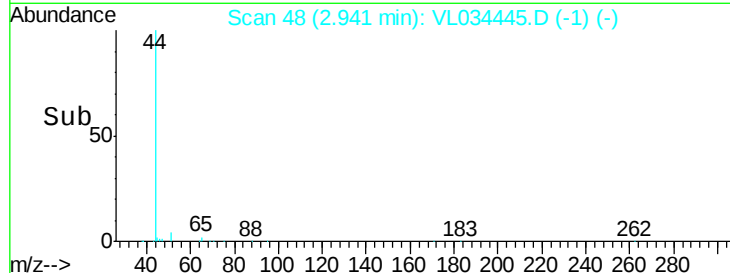
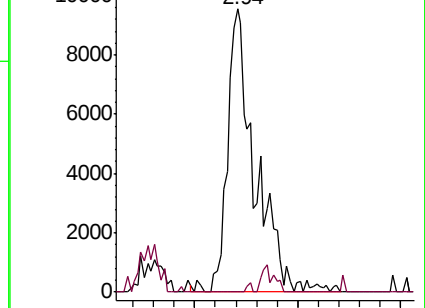
51 100

67 4.8 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.068 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.01 min

Lab File: VL034445.D

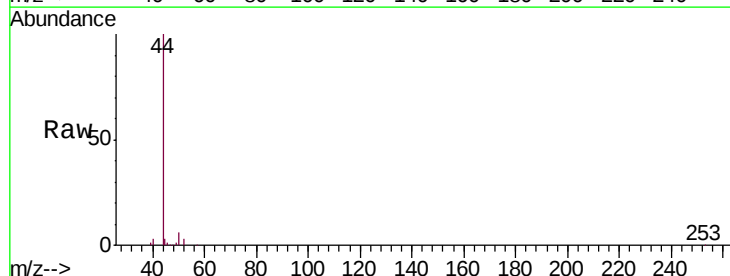
Acq: 3 Dec 2019 3:14

Tgt Ion: 50 Resp: 3665

Ion Ratio Lower Upper

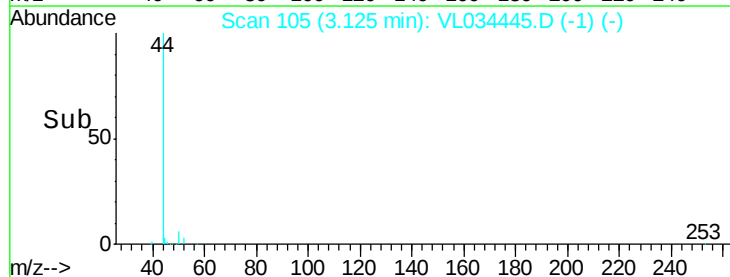
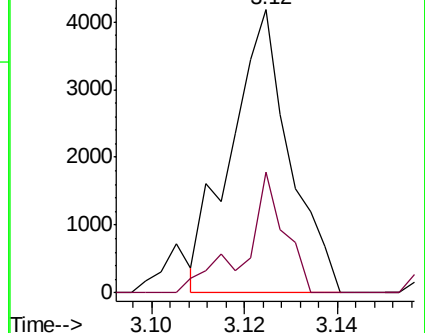
50 100

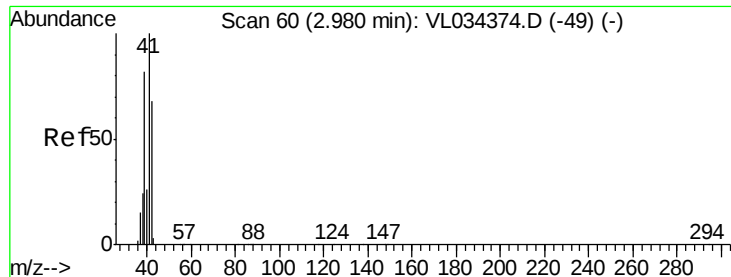
52 42.7 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.041 ppbv

RT: 2.84 min Scan# 15

Delta R.T. -0.14 min

Lab File: VL034445.D

Acq: 3 Dec 2019 3:14

Instrument :

MSVOA_L

ClientSampleId :

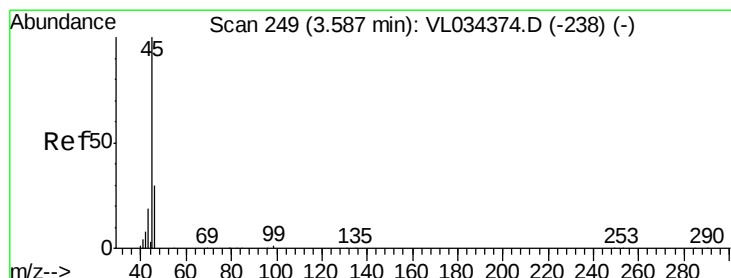
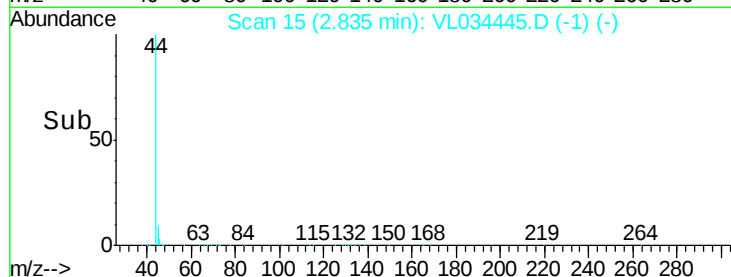
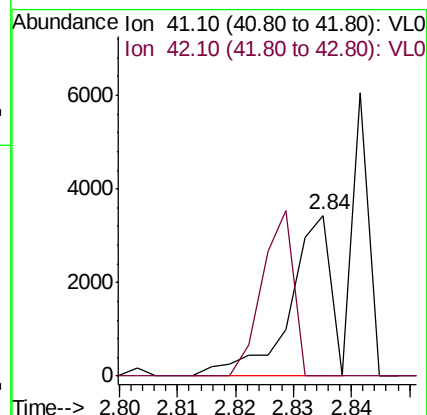
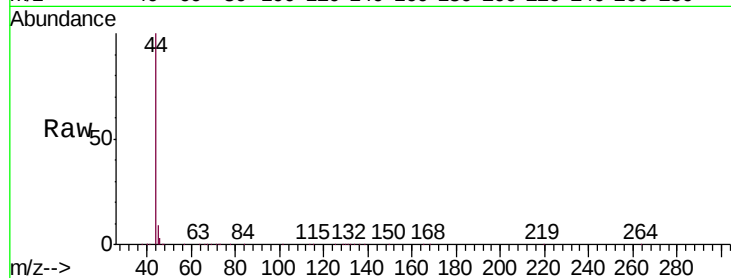
IA-2ADL

Tgt Ion: 41 Resp: 1681

Ion Ratio Lower Upper

41 100

42 79.1 54.6 82.0



#13

Ethanol

Concen: 6.482 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL034445.D

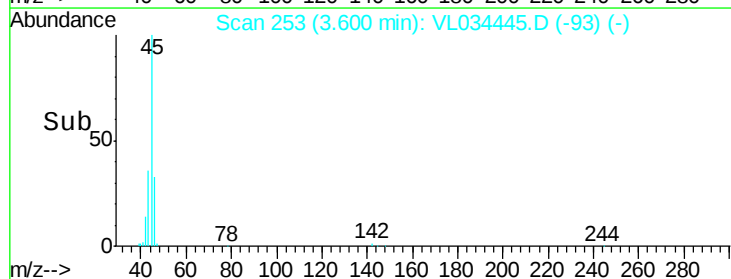
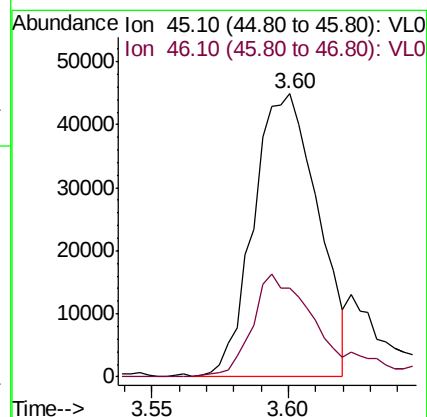
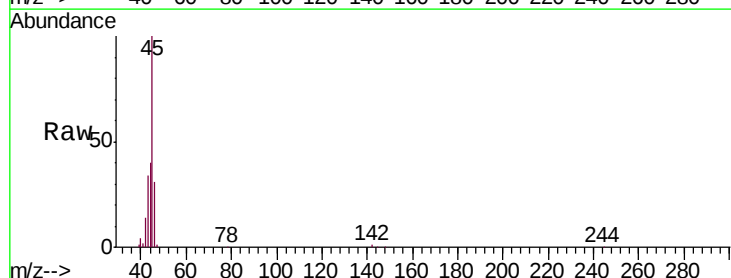
Acq: 3 Dec 2019 3:14

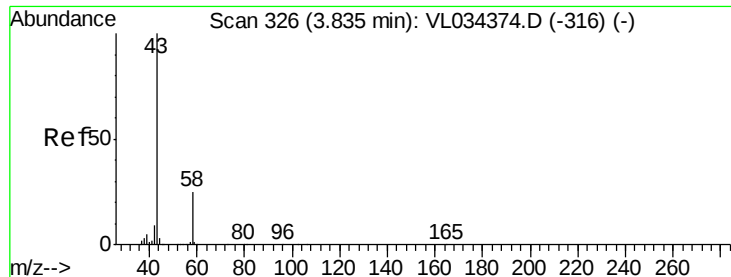
Tgt Ion: 45 Resp: 73311

Ion Ratio Lower Upper

45 100

46 40.6 13.8 55.4

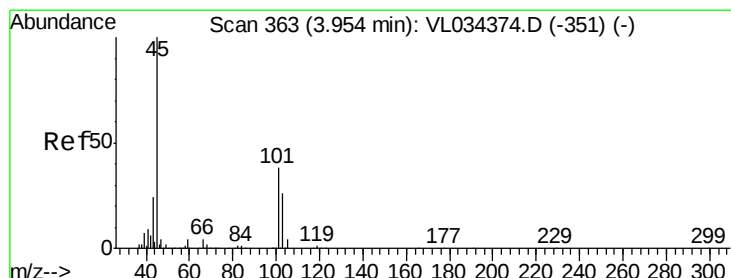
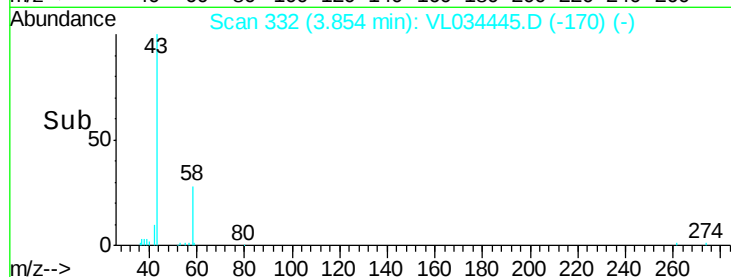
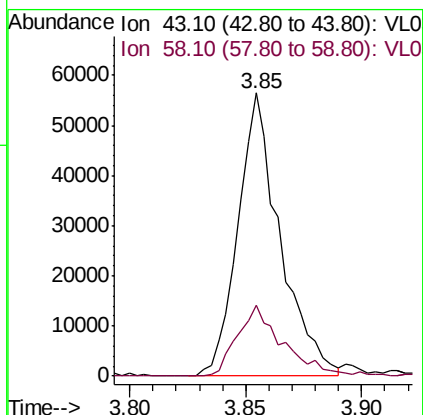
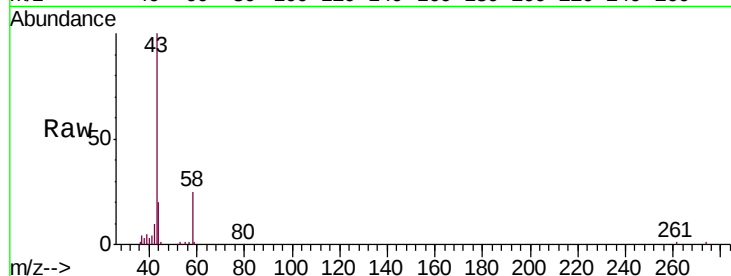




#15
Acetone
Concen: 0.679 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

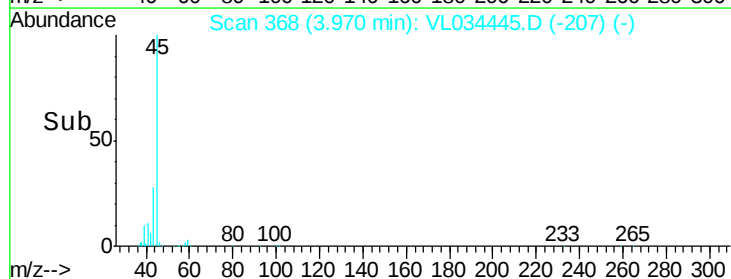
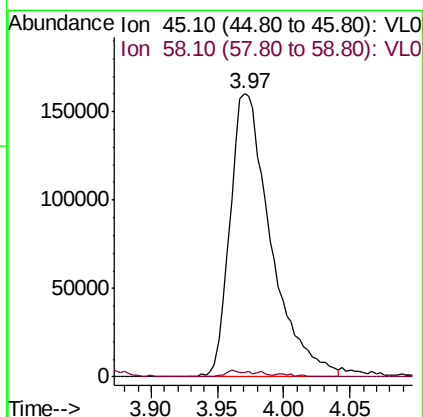
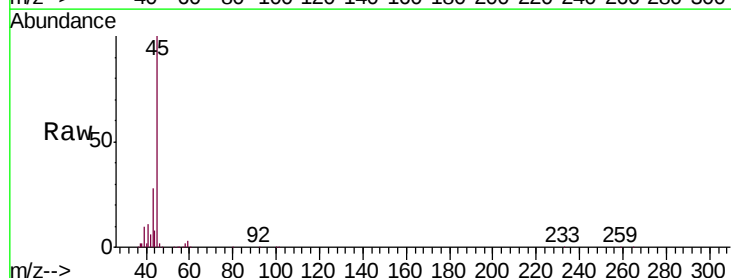
Instrument :
MSVOA_L
ClientSampleId :
IA-2ADL

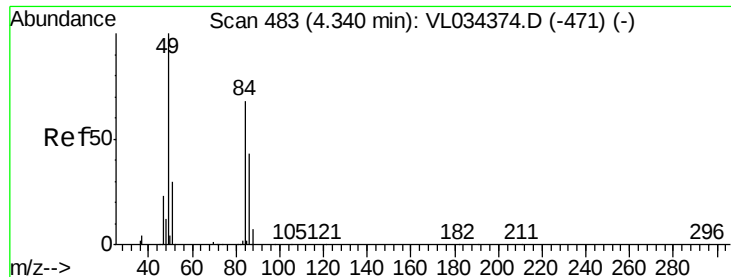
Tgt Ion: 43 Resp: 71287
Ion Ratio Lower Upper
43 100
58 27.5 20.2 30.4



#19
Isopropyl Alcohol
Concen: 5.102 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Tgt Ion: 45 Resp: 343250
Ion Ratio Lower Upper
45 100
58 2.4 1.3 1.9#

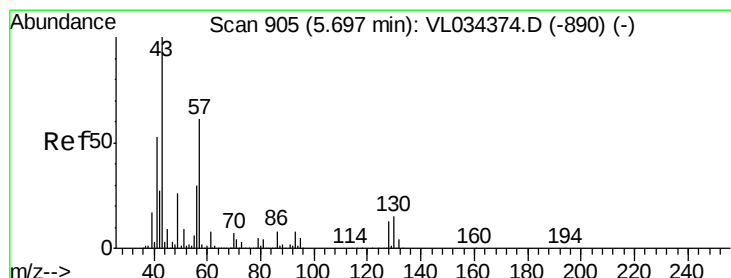
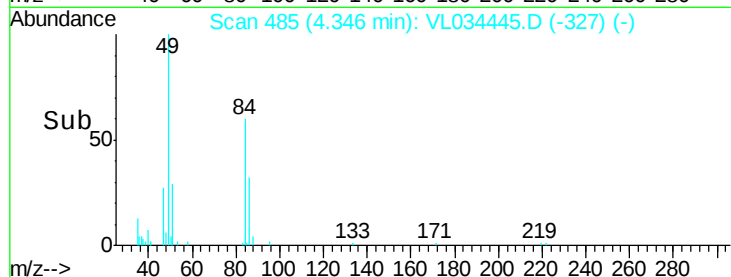
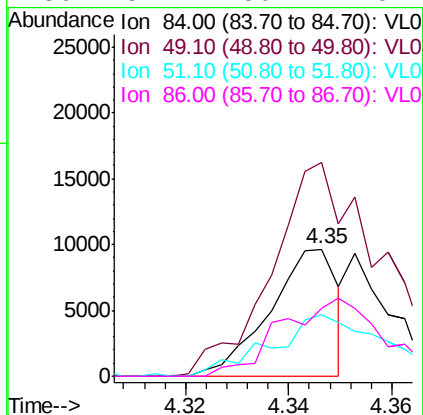
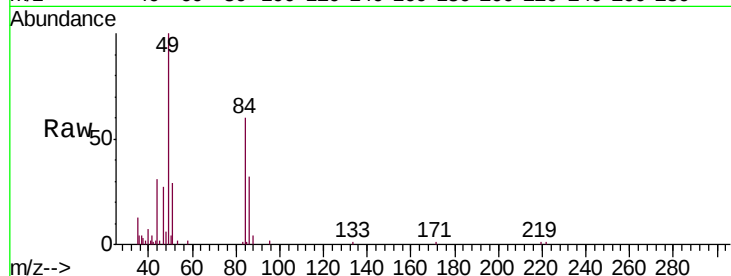




#20
Methylene Chloride
Concen: 0.236 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

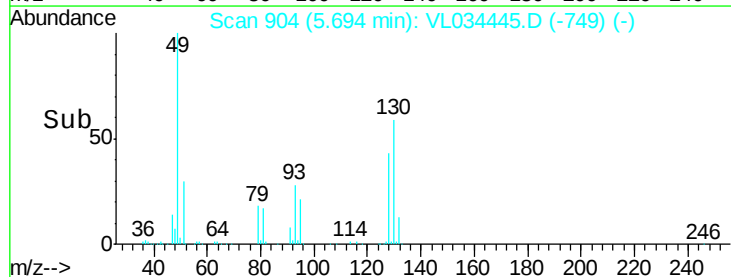
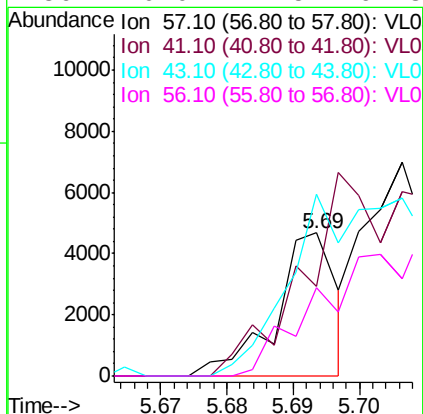
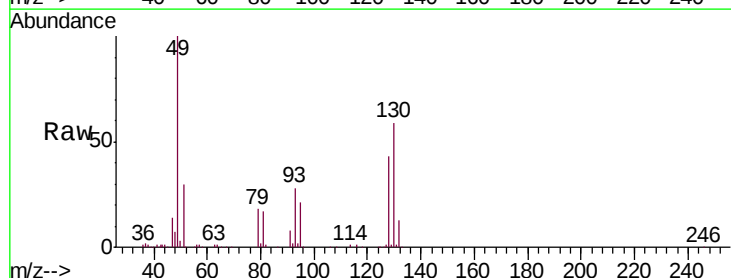
Instrument :
MSVOA_L
ClientSampled :
IA-2ADL

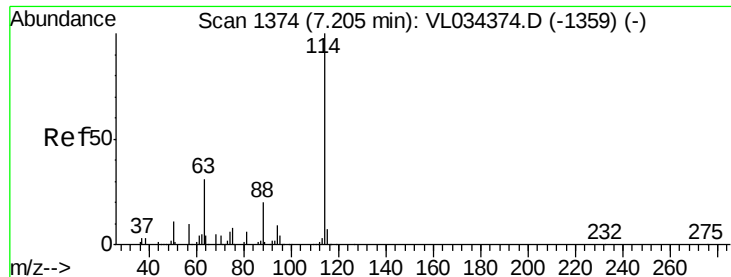
Tgt Ion: 84 Resp: 8768
Ion Ratio Lower Upper
84 100
49 162.8 116.8 175.2
51 47.5 35.6 53.4
86 52.7 50.7 76.1



#26
Hexane
Concen: 0.037 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Tgt Ion: 57 Resp: 2970
Ion Ratio Lower Upper
57 100
41 400.8 75.0 112.4#
43 376.0 186.6 279.8#
56 0.0 41.5 62.3#

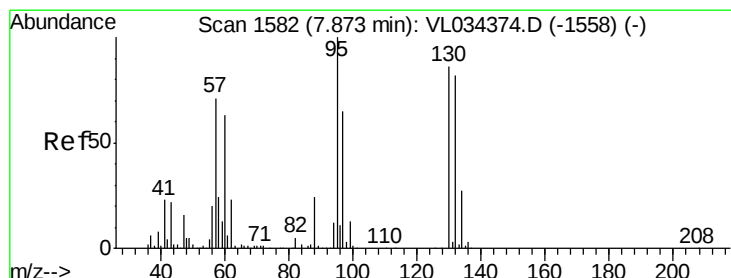
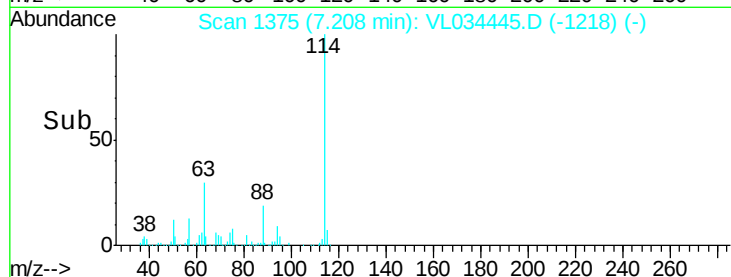
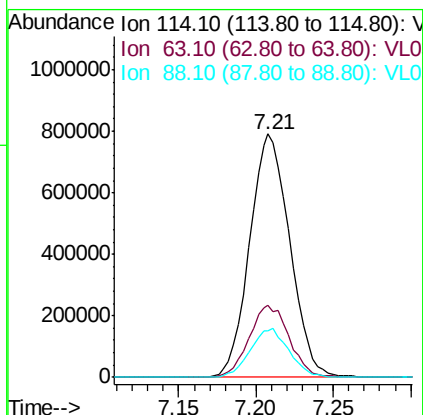
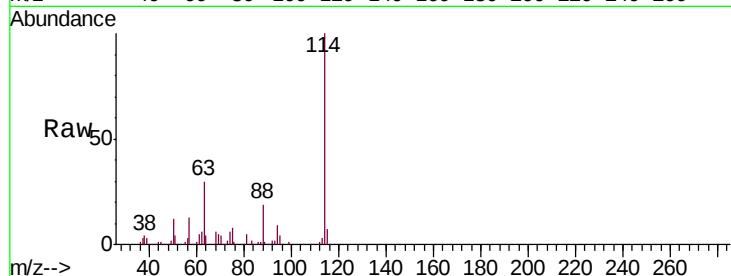




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

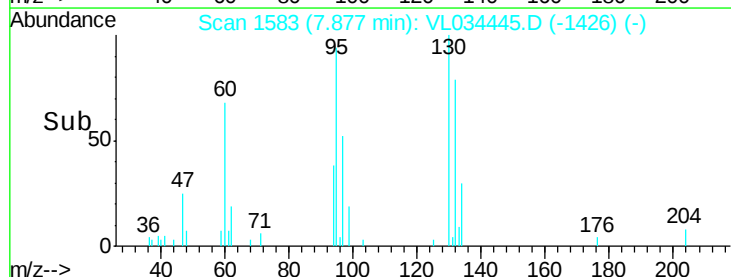
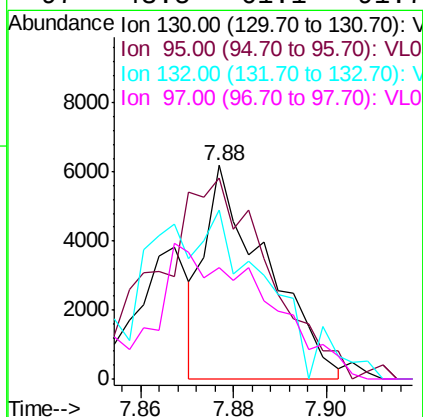
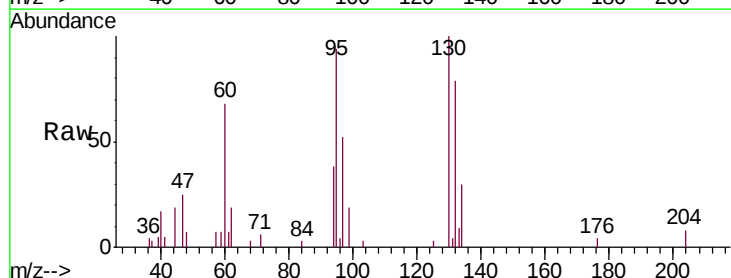
Instrument :
MSVOA_L
ClientSampleId :
IA-2ADL

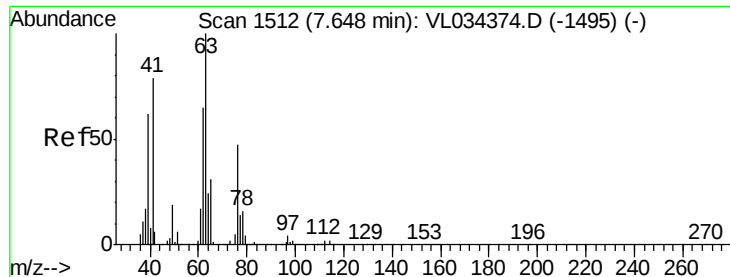
Tgt Ion:114 Resp: 1423360
Ion Ratio Lower Upper
114 100
63 29.7 24.2 36.4
88 19.4 15.9 23.9



#38
Trichloroethene
Concen: 0.097 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Tgt Ion:130 Resp: 5655
Ion Ratio Lower Upper
130 100
95 84.7 93.4 140.0#
132 71.7 76.4 114.6#
97 43.5 61.1 91.7#

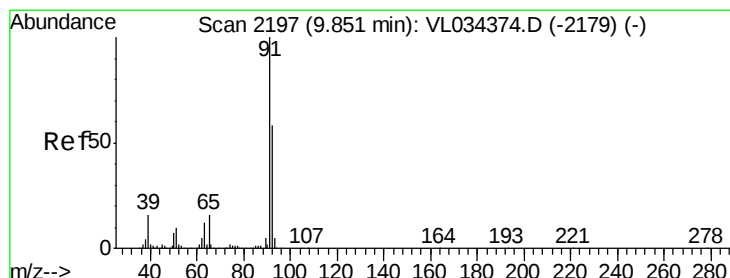
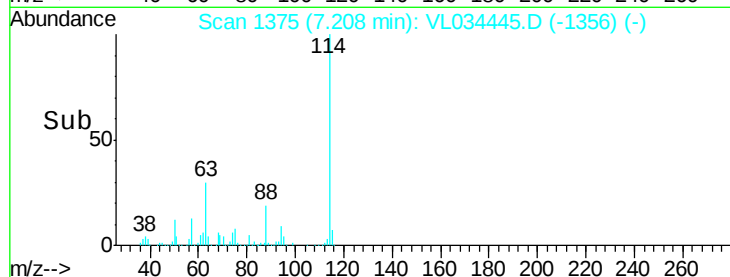
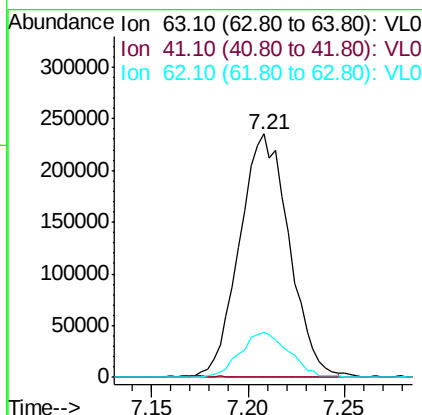
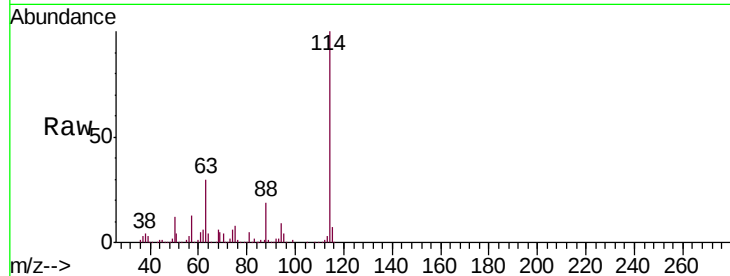




#39
 1,2-Dichloropropane
 Concen: 7.621 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.44 min
 Lab File: VL034445.D
 Acq: 3 Dec 2019 3:14

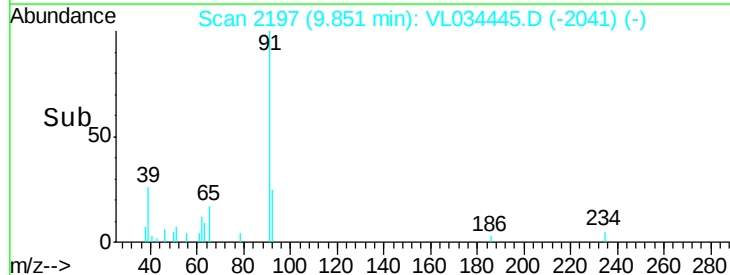
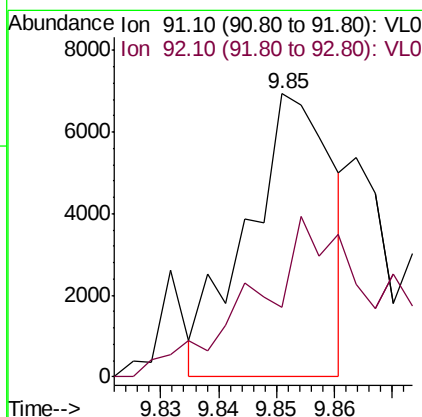
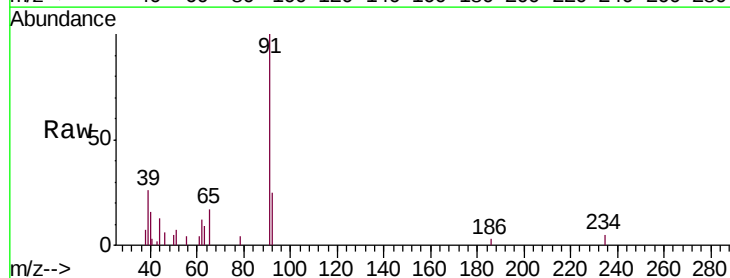
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2ADL

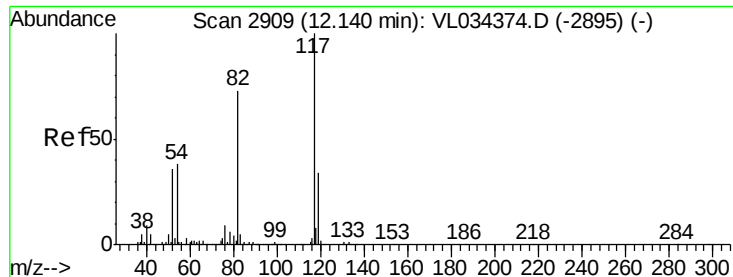
Tgt Ion: 63 Resp: 417776
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.1 94.7#
 62 18.8 52.3 78.5#



#53
 Toluene
 Concen: 0.044 ppbv
 RT: 9.85 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VL034445.D
 Acq: 3 Dec 2019 3:14

Tgt Ion: 91 Resp: 7035
 Ion Ratio Lower Upper
 91 100
 92 87.8 47.9 71.9#

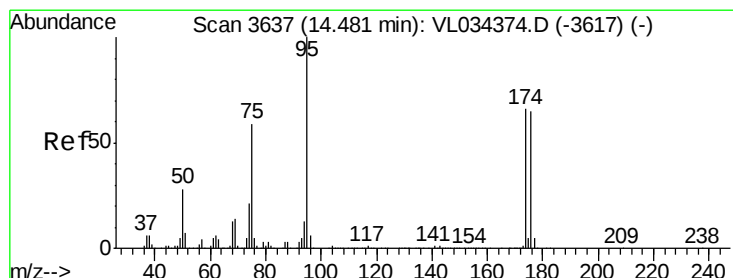
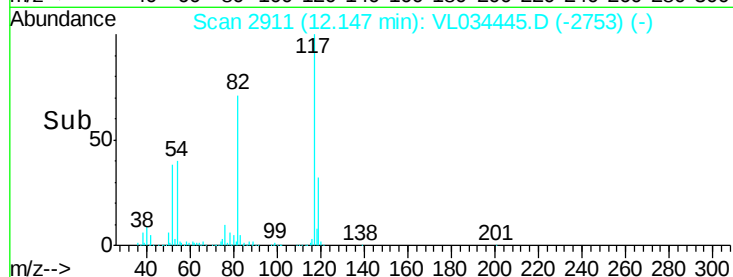
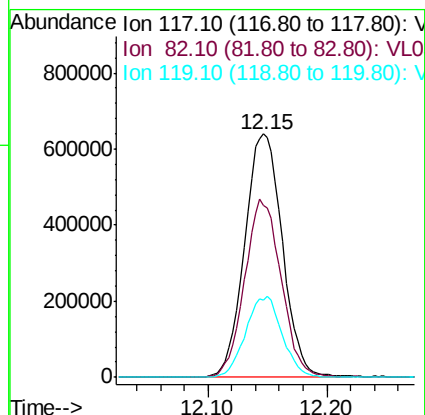
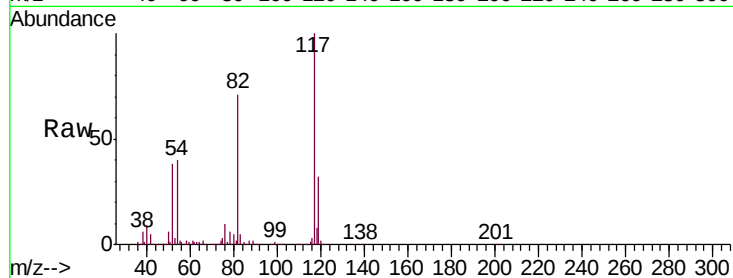




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Instrument :
MSVOA_L
ClientSampleId :
IA-2ADL

Tgt Ion: 117 Resp: 1399993
Ion Ratio Lower Upper
117 100
82 71.0 57.5 86.3
119 32.5 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.117 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Tgt Ion: 95 Resp: 1191575
Ion Ratio Lower Upper
95 100
174 63.5 52.2 78.2
175 4.5 3.8 5.8

