

Data File : VL034584.D
Acq On : 4 Feb 2020 17:53
Operator : SY/AP
Sample : L1356-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

Quant Time: Feb 05 05:44:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1000323	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2055002	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2103668	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1793111	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

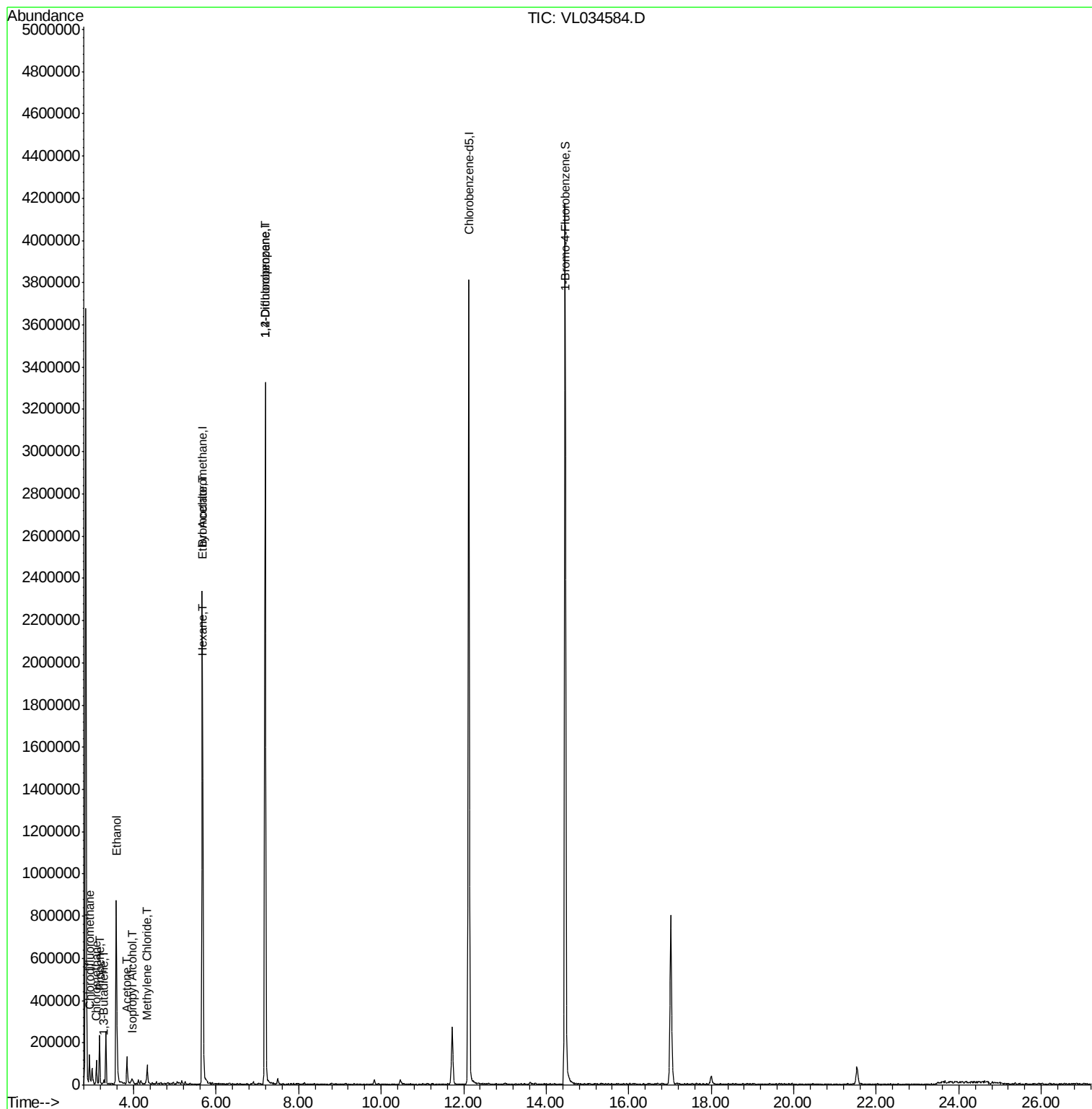
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.93	51	72606	0.601	ppbv #	58
4) Chloromethane	3.11	50	10305	0.139	ppbv #	84
9) Propene	3.17	41	54593	1.160	ppbv	96
13) Ethanol	3.57	45	851615	67.557	ppbv	98
15) Acetone	3.83	43	115980	0.789	ppbv	95
16) 1,3-Butadiene	3.28	39	5804	0.099	ppbv #	20
19) Isopropyl Alcohol	3.96	45	9518	0.111	ppbv #	67
20) Methylene Chloride	4.32	84	26251	0.469	ppbv #	86
25) Ethyl Acetate	5.68	43	18918	0.079	ppbv #	81
26) Hexane	5.68	57	21905	0.220	ppbv #	56
39) 1,2-Dichloropropane	7.19	63	607755	8.022	ppbv #	20

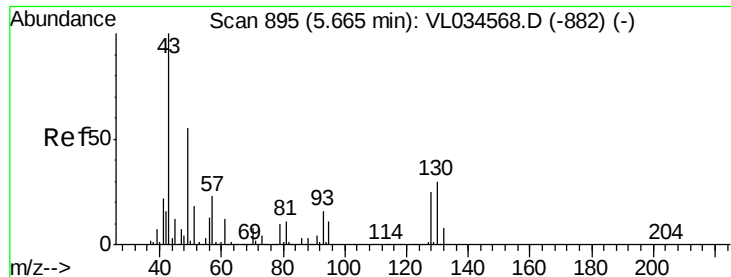
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

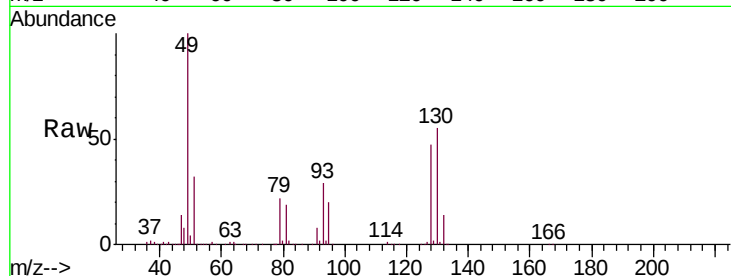
Tgt Ion: 49 Resp: 1000323

Ion Ratio Lower Upper

49 100

128 47.7 22.7 68.1

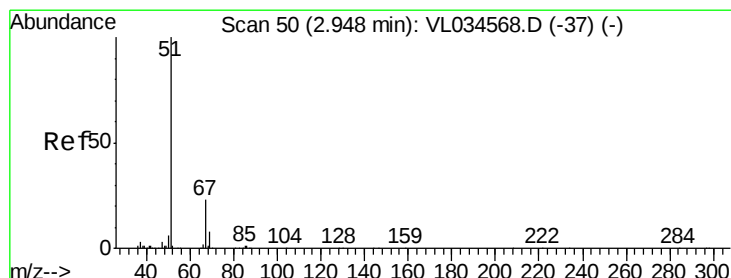
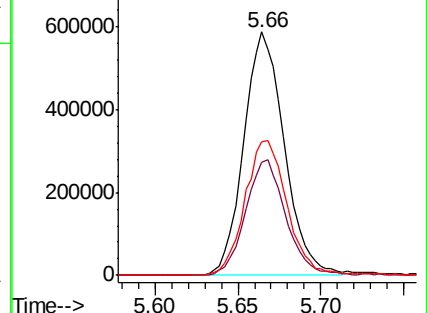
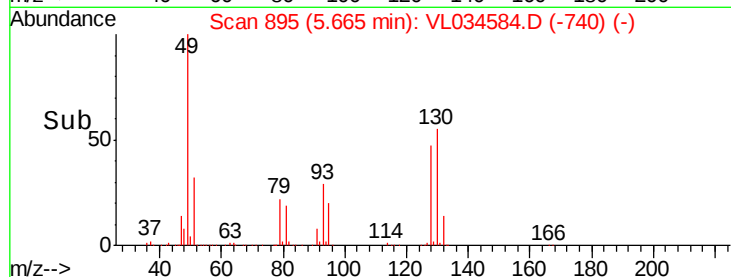
130 58.2 28.6 85.8



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



#3

Chlorodifluoromethane

Concen: 0.601 ppbv

RT: 2.93 min Scan# 44

Delta R.T. -0.02 min

Lab File: VL034584.D

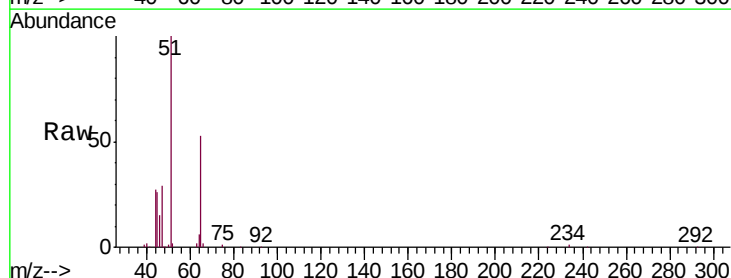
Acq: 4 Feb 2020 17:53

Tgt Ion: 51 Resp: 72606

Ion Ratio Lower Upper

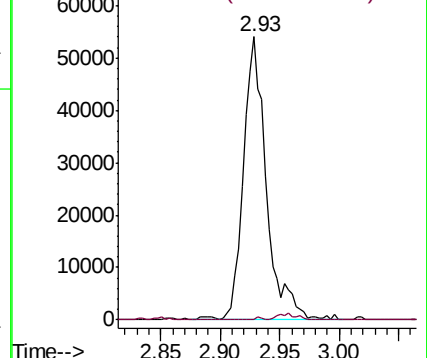
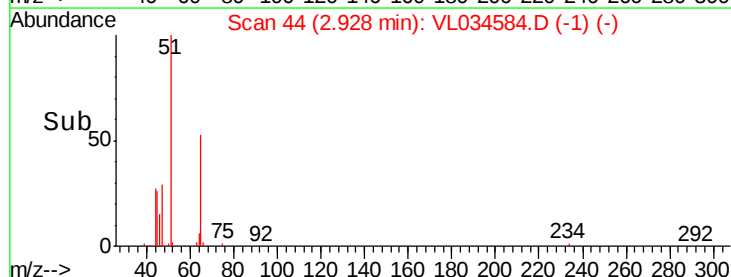
51 100

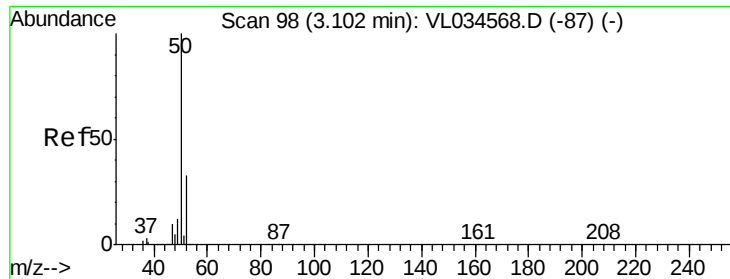
67 2.1 17.8 26.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.139 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034584.D

Acq: 4 Feb 2020 17:53

Instrument :

MSVOA_L

ClientSampleId :

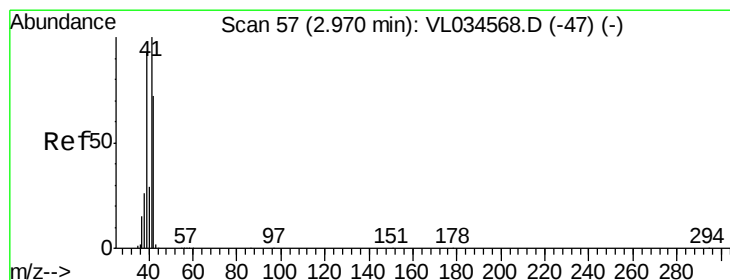
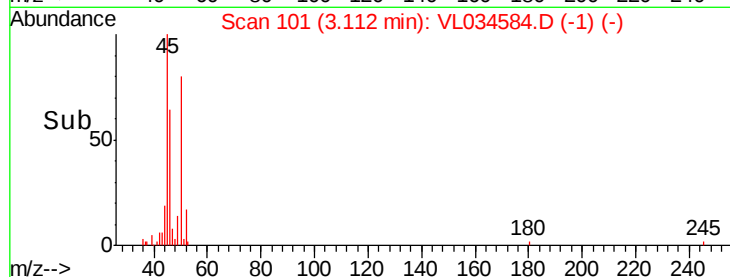
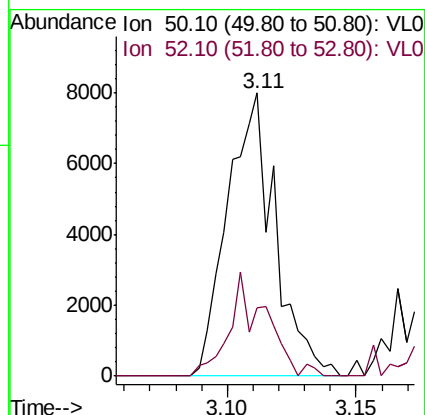
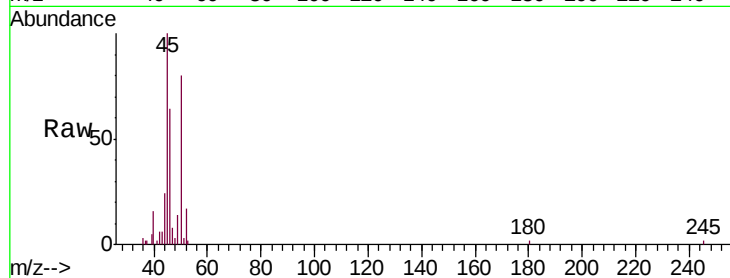
IA-2DL

Tgt Ion: 50 Resp: 10305

Ion Ratio Lower Upper

50 100

52 24.2 26.6 39.8#



#9

Propene

Concen: 1.160 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.20 min

Lab File: VL034584.D

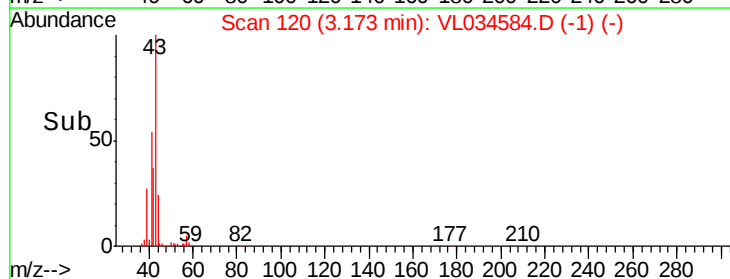
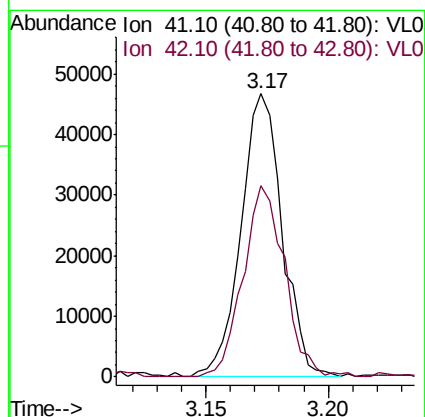
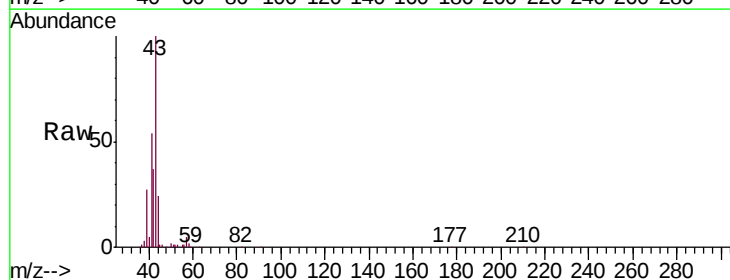
Acq: 4 Feb 2020 17:53

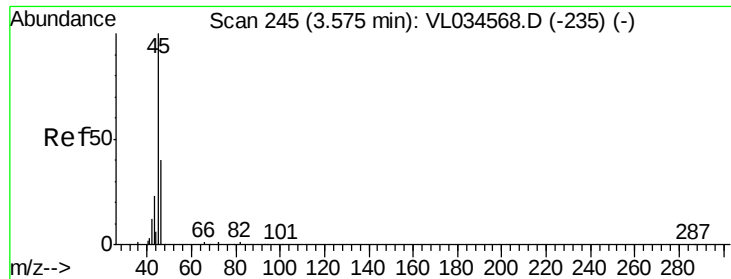
Tgt Ion: 41 Resp: 54593

Ion Ratio Lower Upper

41 100

42 68.2 57.0 85.4

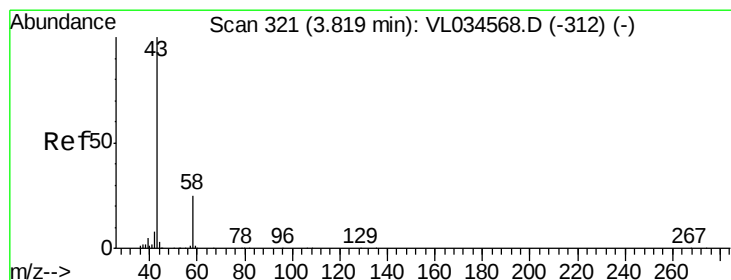
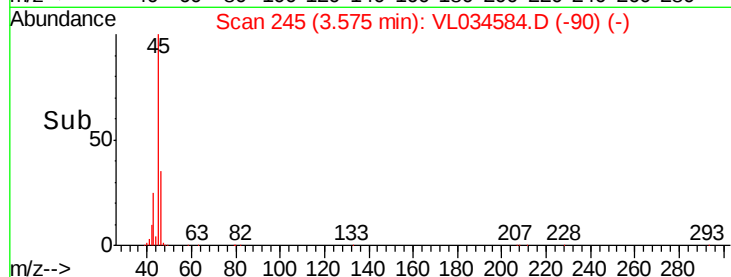
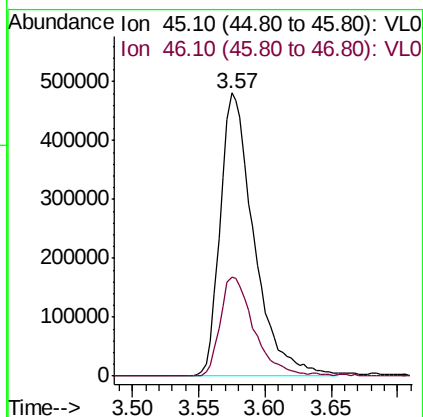
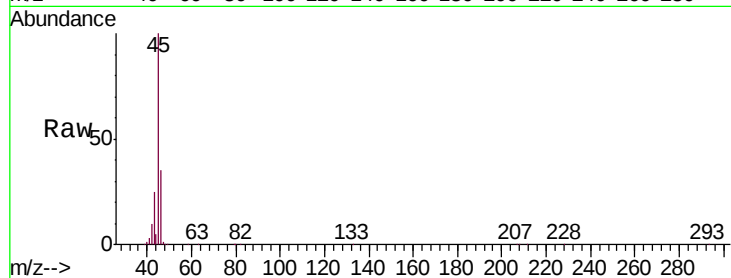




#13
Ethanol
Concen: 67.557 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.00 min
Lab File: VL034584.D
Acq: 4 Feb 2020 17:53

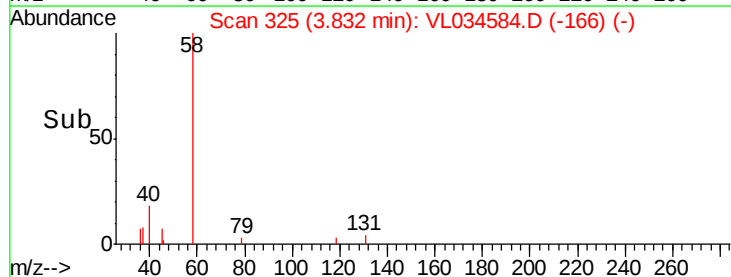
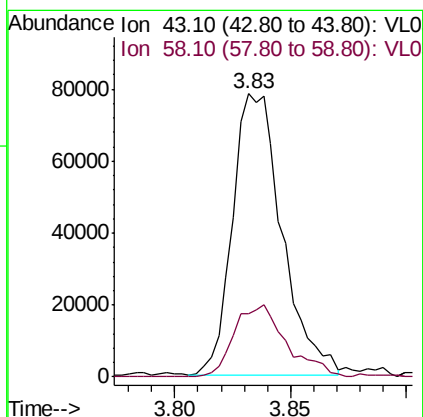
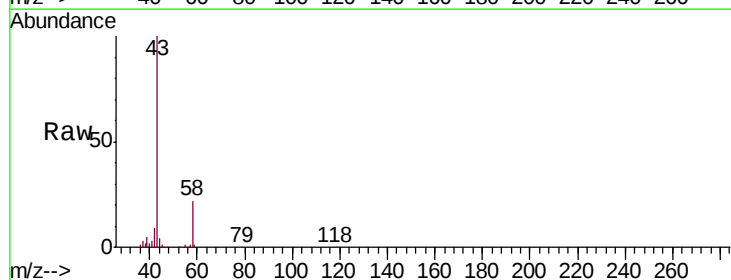
Instrument :
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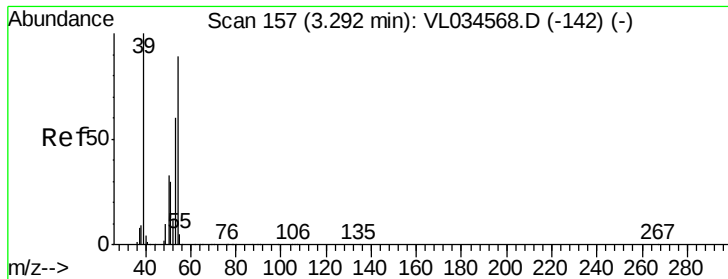
Tgt Ion: 45 Resp: 851615
Ion Ratio Lower Upper
45 100
46 35.8 14.8 59.2



#15
Acetone
Concen: 0.789 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034584.D
Acq: 4 Feb 2020 17:53

Tgt Ion: 43 Resp: 115980
Ion Ratio Lower Upper
43 100
58 27.7 20.3 30.5

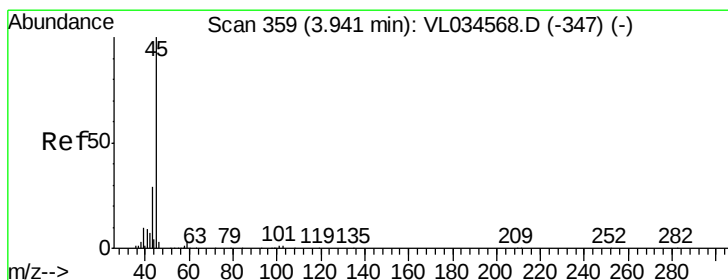
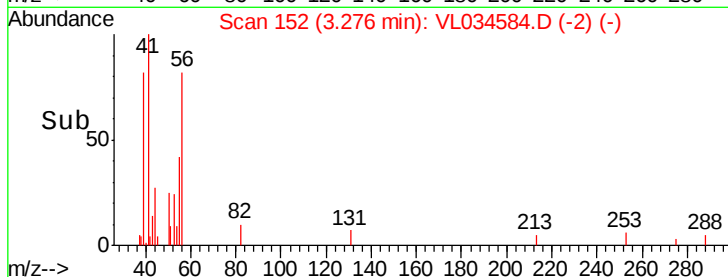
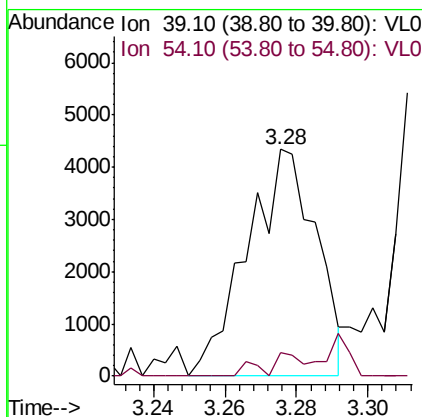
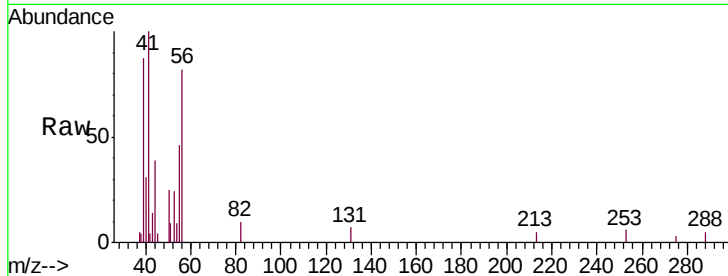




#16
 1,3-Butadiene
 Concen: 0.099 ppbv
 RT: 3.28 min Scan# 152
 Delta R.T. -0.02 min
 Lab File: VL034584.D
 Acq: 4 Feb 2020 17:53

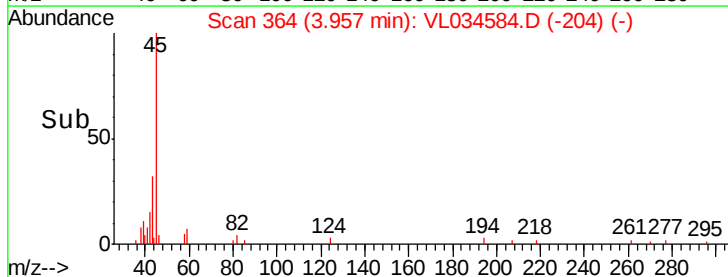
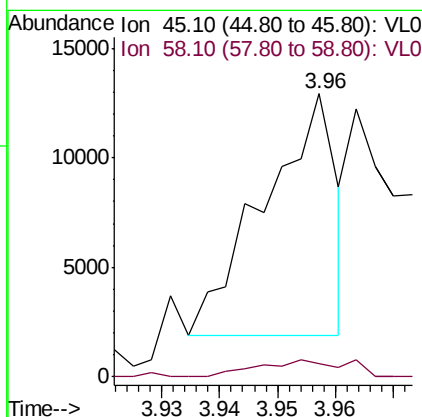
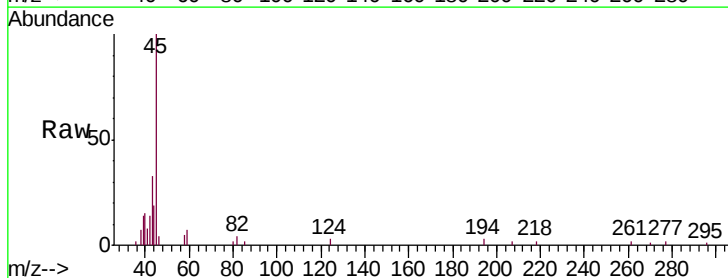
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

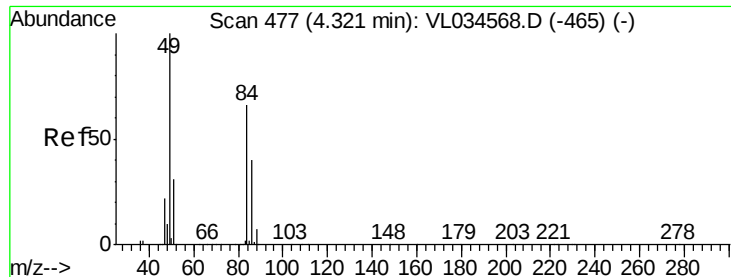
Tgt Ion: 39 Resp: 5804
 Ion Ratio Lower Upper
 39 100
 54 11.2 66.7 100.1#



#19
 Isopropyl Alcohol
 Concen: 0.111 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL034584.D
 Acq: 4 Feb 2020 17:53

Tgt Ion: 45 Resp: 9518
 Ion Ratio Lower Upper
 45 100
 58 13.5 1.7 2.5#

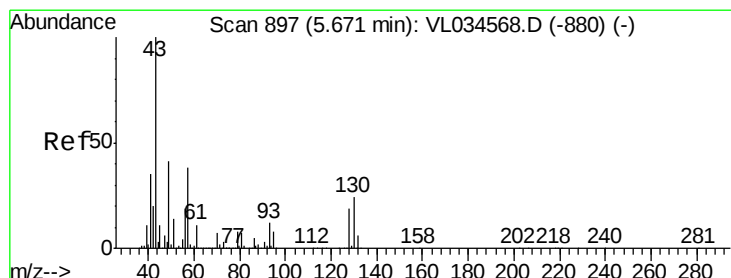
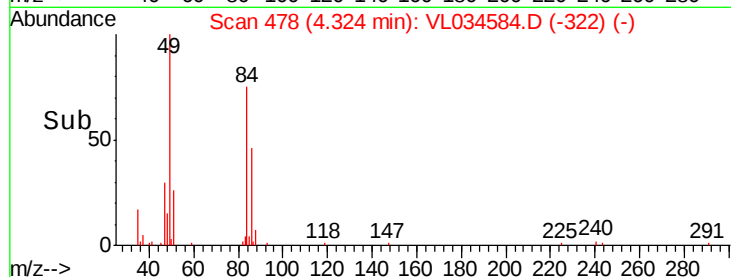
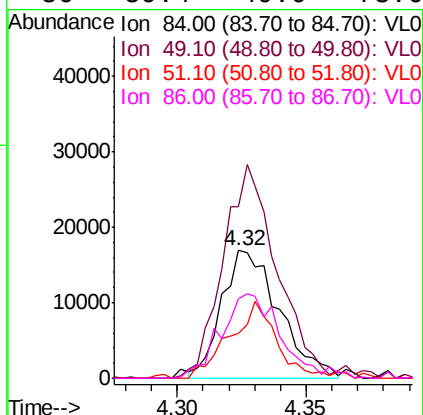
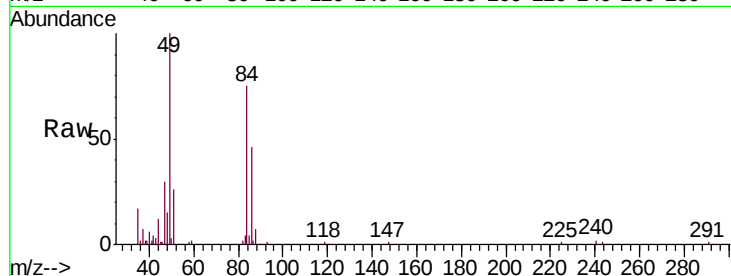




#20
Methylene Chloride
Concen: 0.469 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034584.D
Acq: 4 Feb 2020 17:53

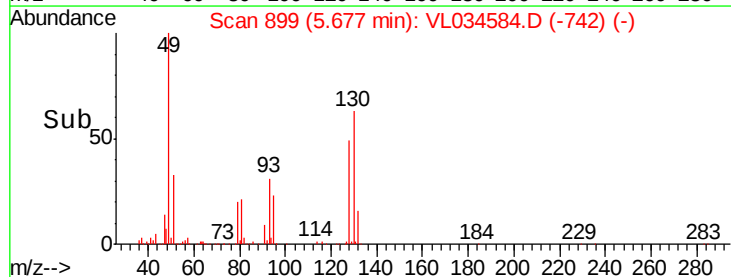
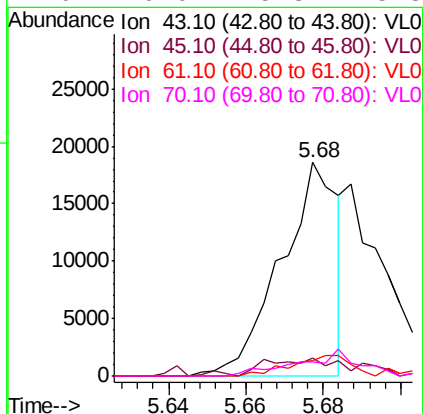
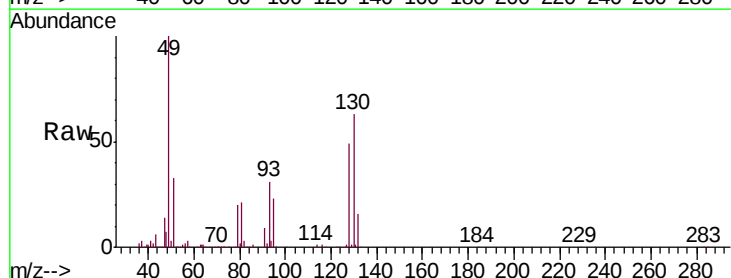
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

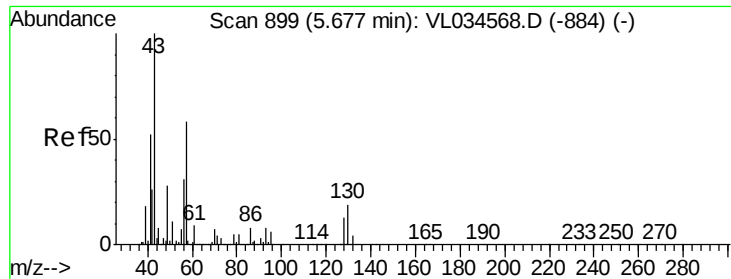
Tgt Ion:	84	Resp:	26251
Ion	Ratio	Lower	Upper
84	100		
49	130.7	122.4	183.6
51	35.7	38.6	57.8#
86	59.4	49.0	73.6



#25
Ethyl Acetate
Concen: 0.079 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034584.D
Acq: 4 Feb 2020 17:53

Tgt Ion:	43	Resp:	18918
Ion	Ratio	Lower	Upper
43	100		
45	14.8	8.5	12.7#
61	0.0	7.8	11.6#
70	0.0	5.8	8.8#

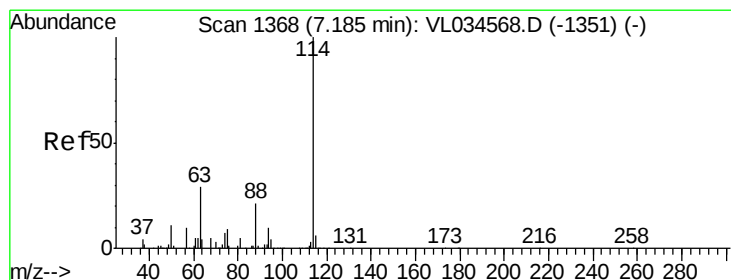
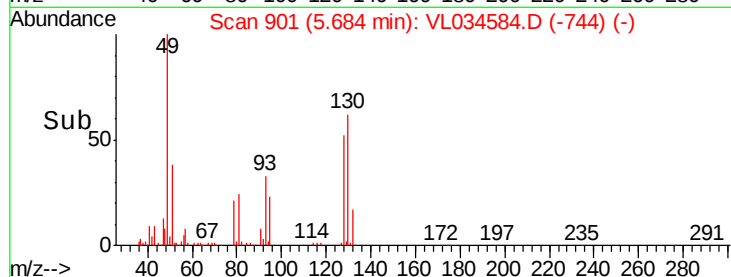
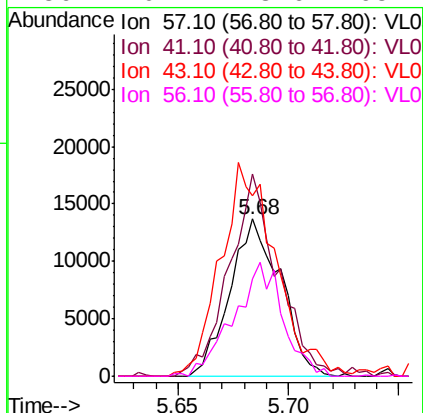
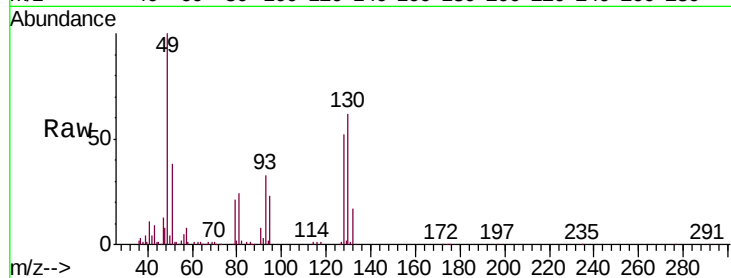




#26
Hexane
Concen: 0.220 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034584.D
Acq: 4 Feb 2020 17:53

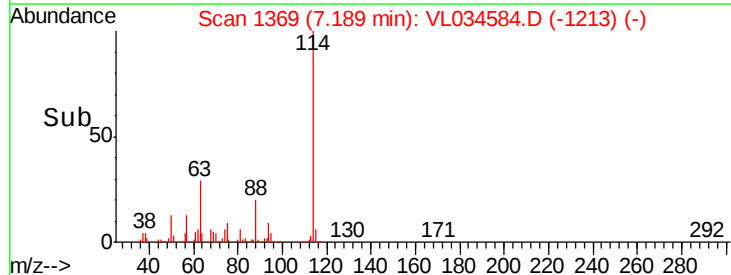
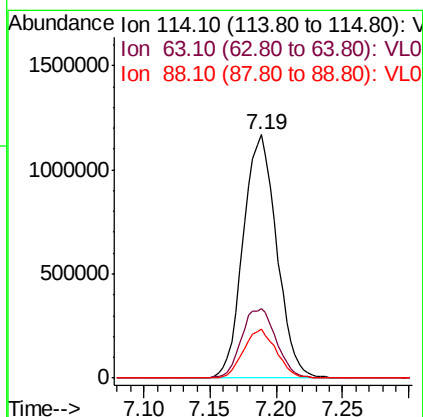
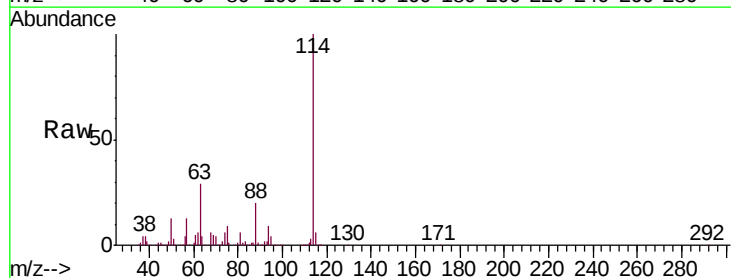
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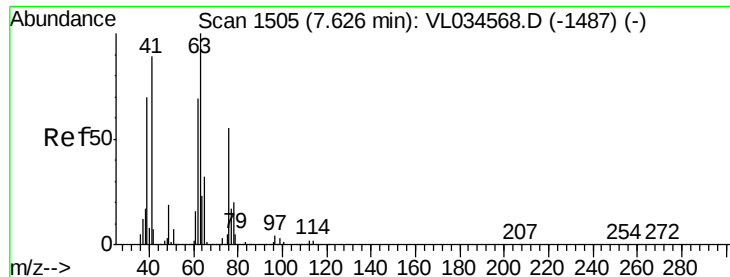
Tgt Ion: 57 Resp: 21905
Ion Ratio Lower Upper
57 100
41 126.1 76.2 114.2#
43 146.3 189.9 284.9#
56 70.4 43.6 65.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034584.D
Acq: 4 Feb 2020 17:53

Tgt Ion: 114 Resp: 2055002
Ion Ratio Lower Upper
114 100
63 29.9 24.1 36.1
88 19.6 15.9 23.9

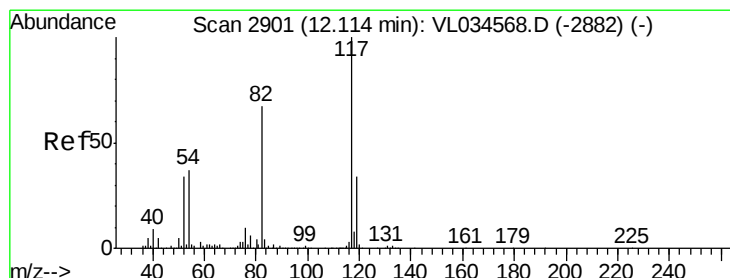
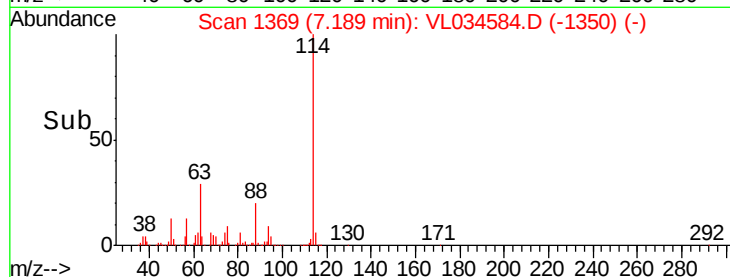
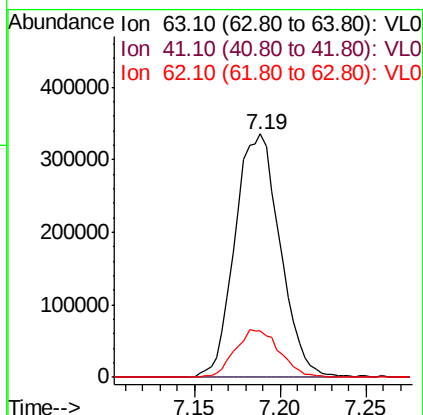
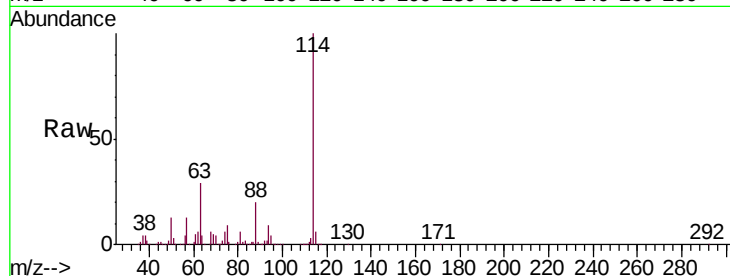




#39
 1,2-Dichloropropane
 Concen: 8.022 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.44 min
 Lab File: VL034584.D
 Acq: 4 Feb 2020 17:53

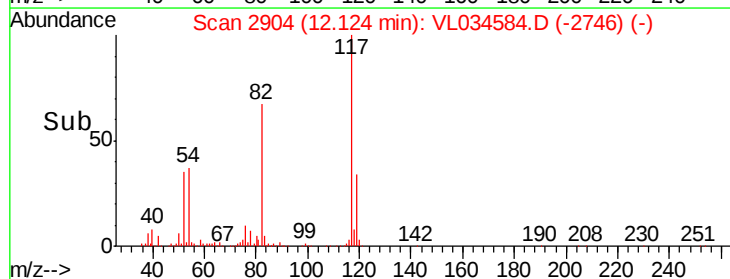
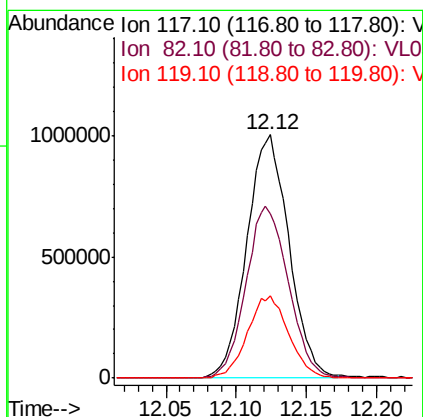
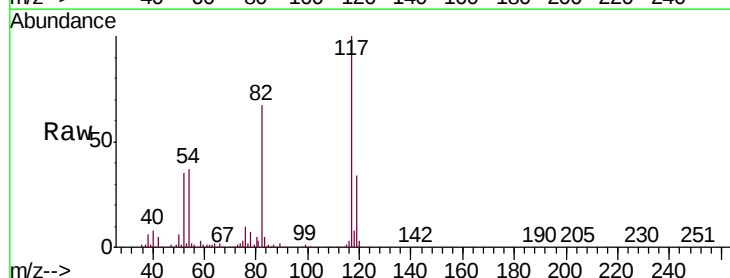
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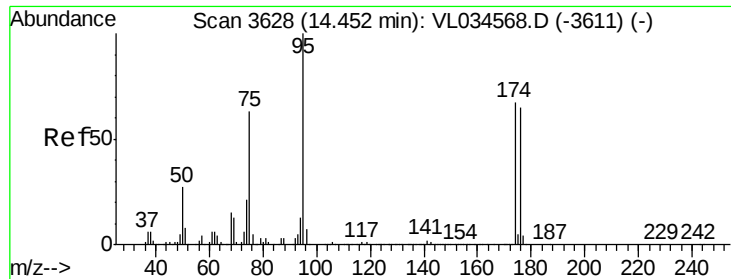
Tgt Ion: 63 Resp: 607755
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 19.2 55.4 83.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T. 0.01 min
 Lab File: VL034584.D
 Acq: 4 Feb 2020 17:53

Tgt Ion: 117 Resp: 2103668
 Ion Ratio Lower Upper
 117 100
 82 71.3 54.2 81.4
 119 33.2 26.1 39.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.086 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL034584.D

Acq: 4 Feb 2020 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

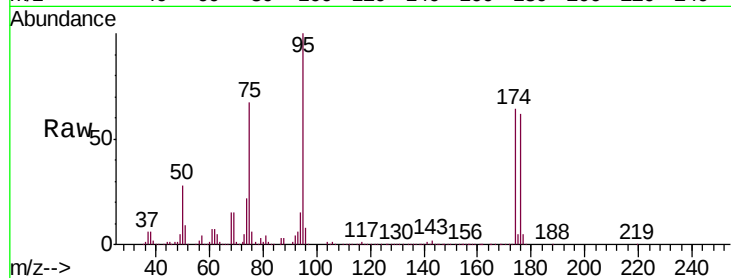
Tgt Ion: 95 Resp: 1793111

Ion Ratio Lower Upper

95 100

174 65.2 52.3 78.5

175 4.5 3.8 5.6



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

