

Data File : VL034590.D
Acq On : 4 Feb 2020 21:51
Operator : SY/AP
Sample : L1357-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Feb 05 05:46:03 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	5.67	49	932339	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1934123	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1980203	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1689087	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

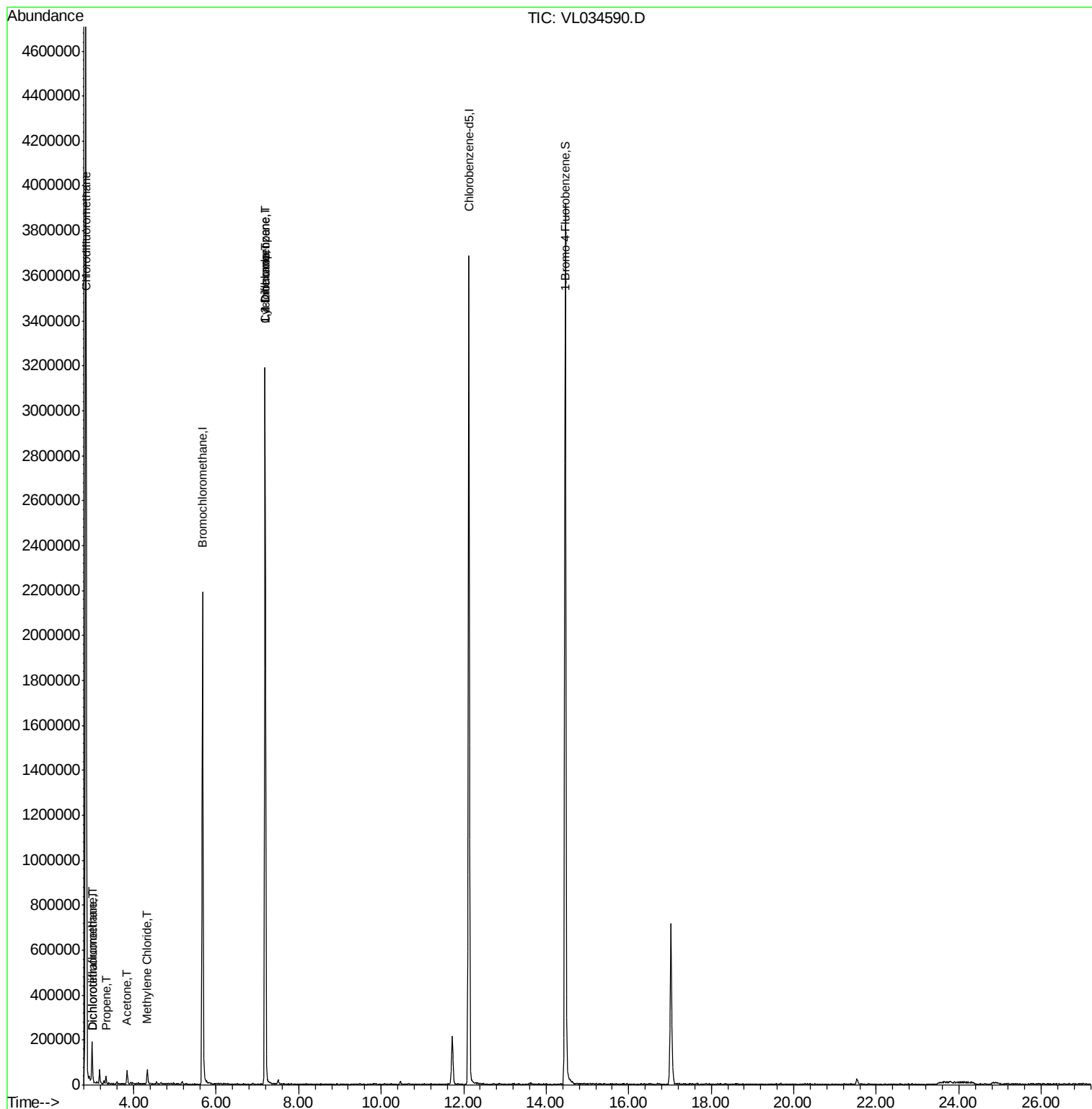
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	10806	0.053	ppbv #	76
3) Chlorodifluoromethane	2.85	51	9341	0.083	ppbv	98
8) Dichlorotetrafluoroethane	3.02	85	10806	0.067	ppbv #	19
9) Propene	3.33	41	4925	0.112	ppbv	94
15) Acetone	3.84	43	55790	0.407	ppbv #	89
20) Methylene Chloride	4.32	84	7823	0.150	ppbv	93
30) Cyclohexane	7.18	84	3683	0.053	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	577678	8.102	ppbv #	20

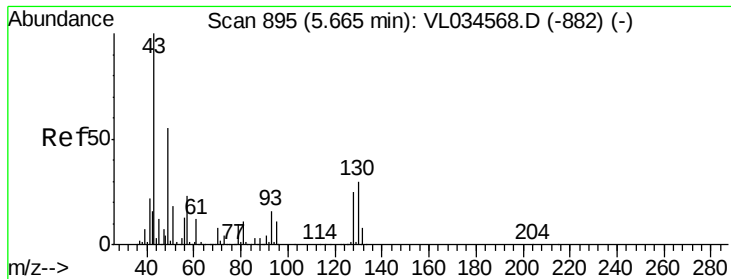
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL034590.D

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IA-1DL

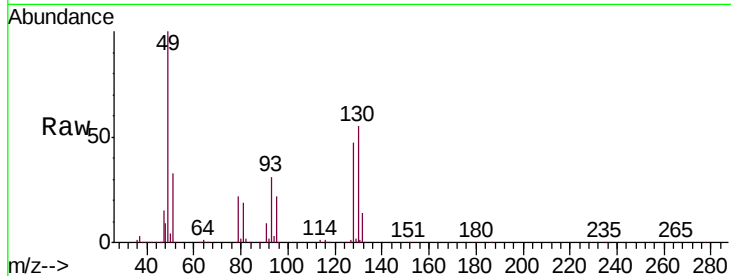
Tgt Ion: 49 Resp: 932339

Ion Ratio Lower Upper

49 100

128 46.6 22.7 68.1

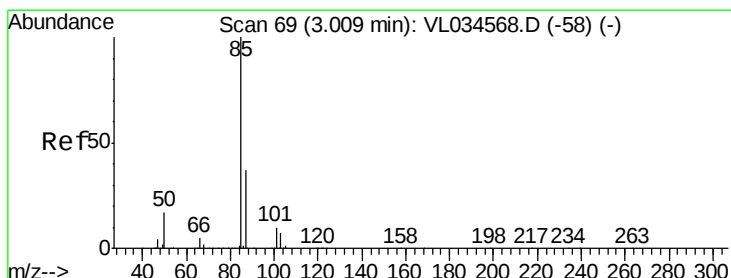
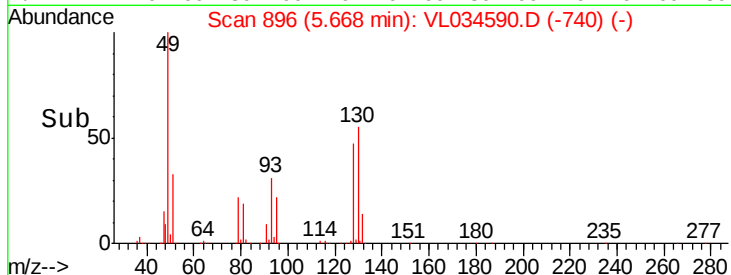
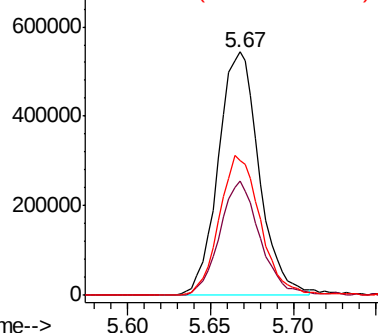
130 58.8 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.053 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL034590.D

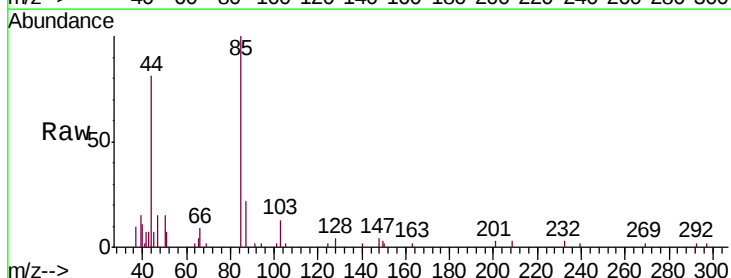
Acq: 4 Feb 2020 21:51

Tgt Ion: 85 Resp: 10806

Ion Ratio Lower Upper

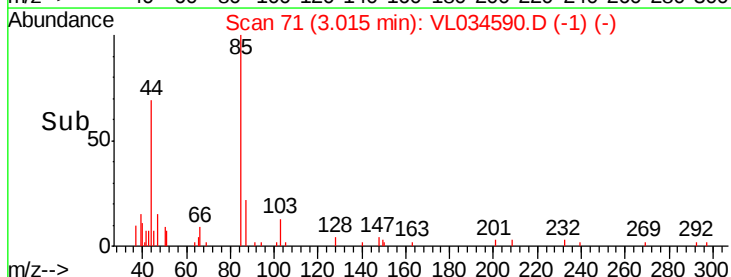
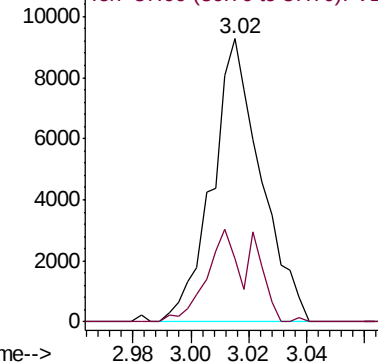
85 100

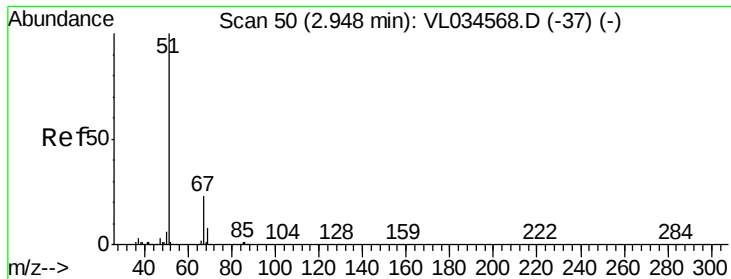
87 22.3 29.5 44.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.083 ppbv

RT: 2.85 min Scan# 20

Delta R.T. -0.10 min

Lab File: VL034590.D

Acq: 4 Feb 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

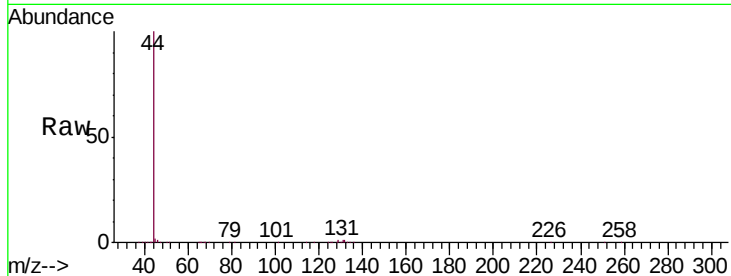
IA-1DL

Tgt Ion: 51 Resp: 9341

Ion Ratio Lower Upper

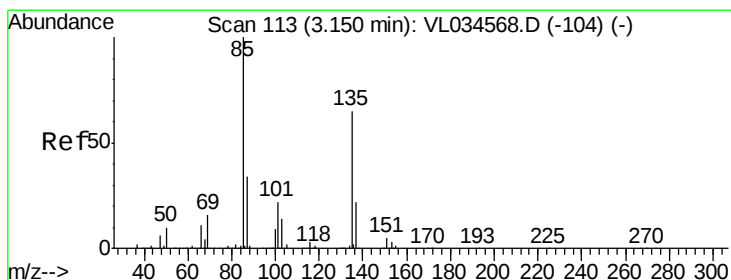
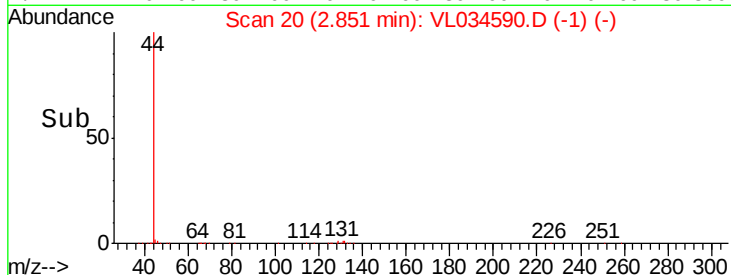
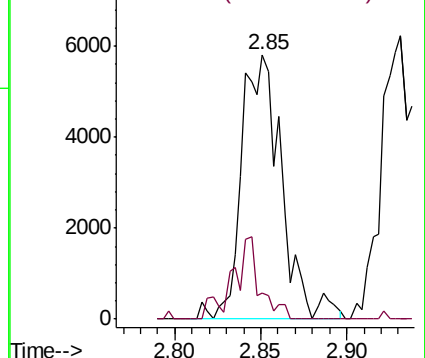
51 100

67 21.1 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.067 ppbv

RT: 3.02 min Scan# 71

Delta R.T. -0.14 min

Lab File: VL034590.D

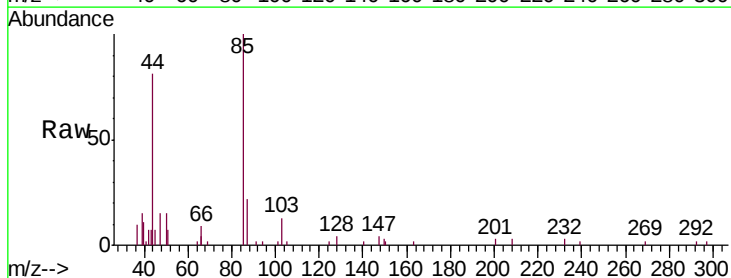
Acq: 4 Feb 2020 21:51

Tgt Ion: 85 Resp: 10806

Ion Ratio Lower Upper

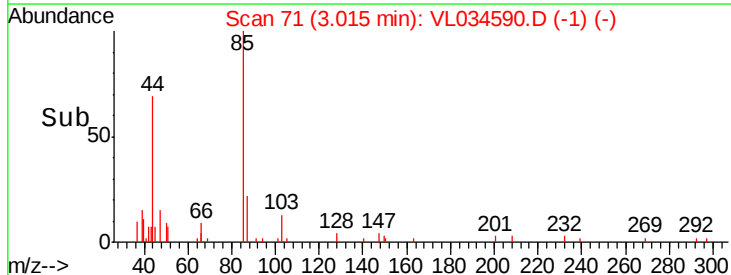
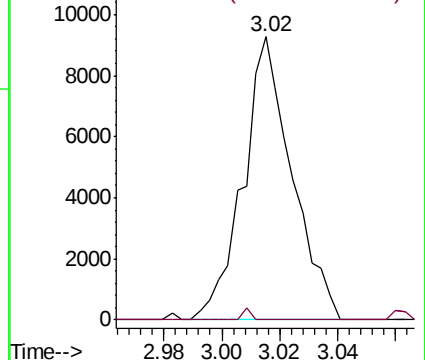
85 100

135 1.0 52.2 78.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.112 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.36 min

Lab File: VL034590.D

Acq: 4 Feb 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

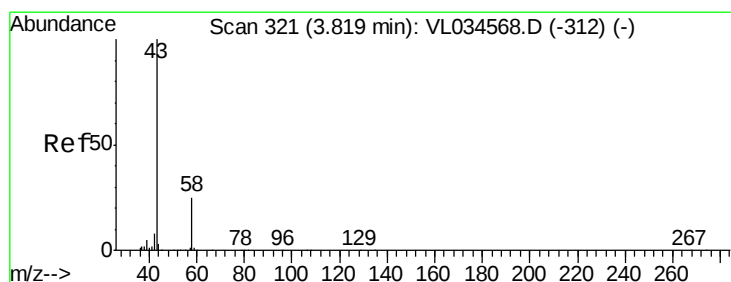
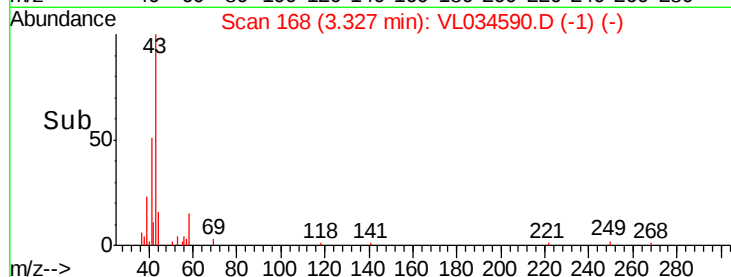
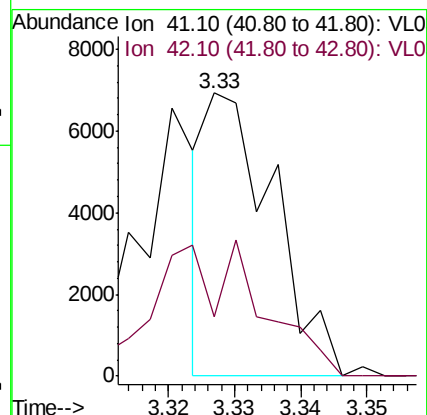
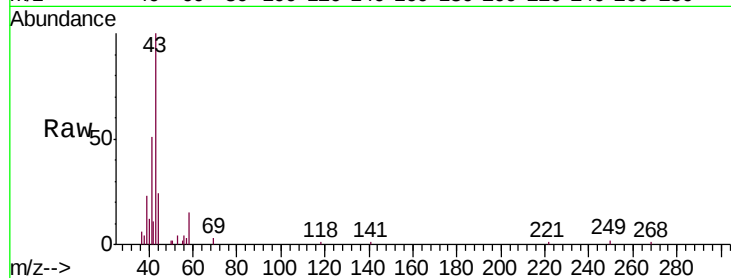
IA-1DL

Tgt Ion: 41 Resp: 4925

Ion Ratio Lower Upper

41 100

42 75.8 57.0 85.4



#15

Acetone

Concen: 0.407 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.02 min

Lab File: VL034590.D

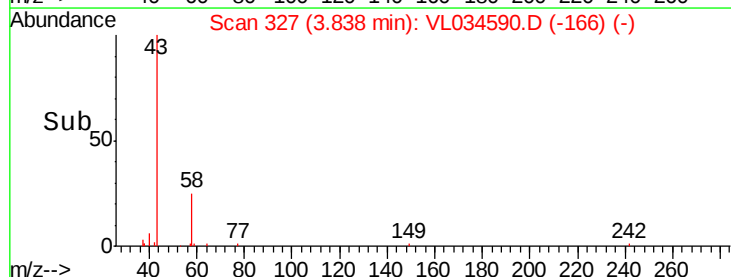
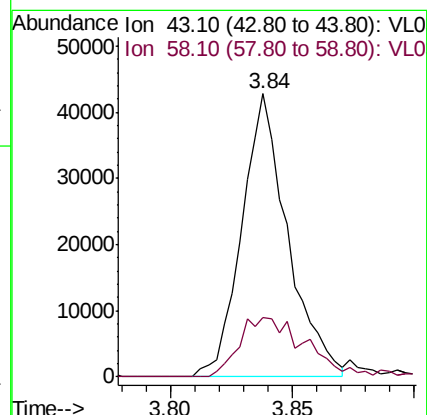
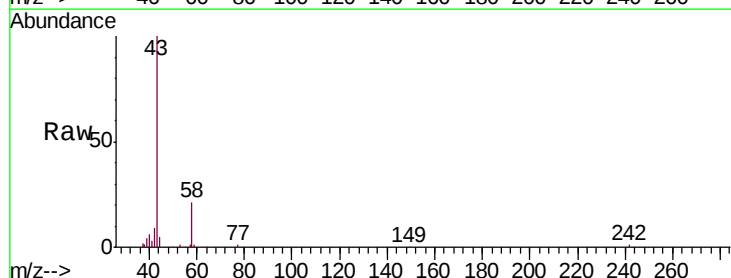
Acq: 4 Feb 2020 21:51

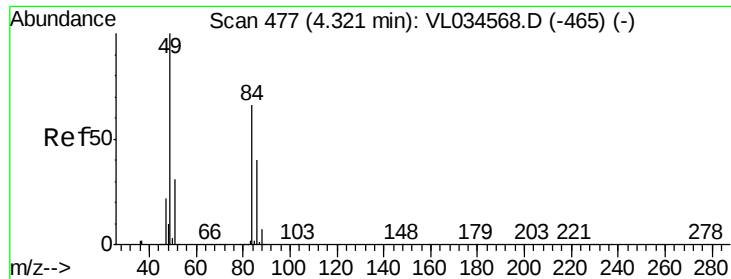
Tgt Ion: 43 Resp: 55790

Ion Ratio Lower Upper

43 100

58 31.1 20.3 30.5#

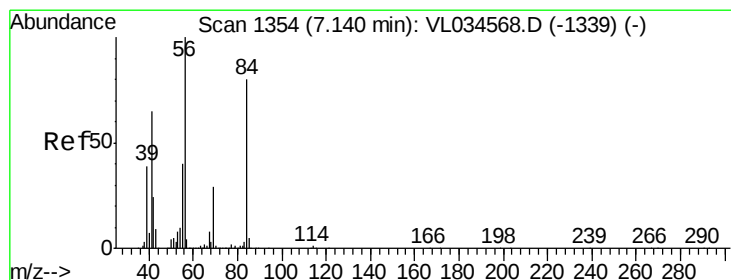
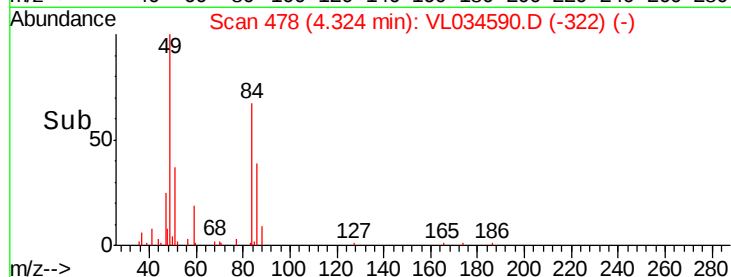
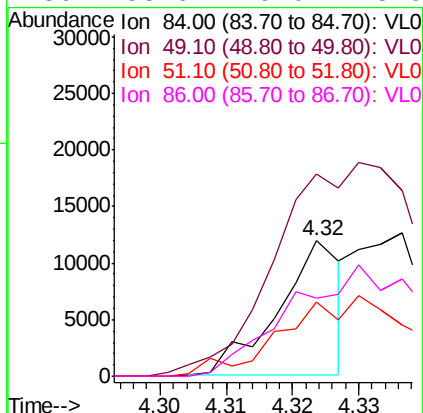
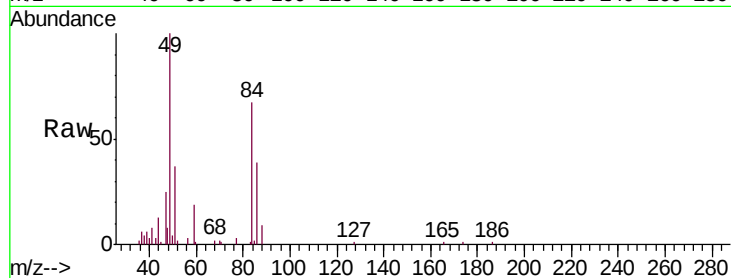




#20
Methylene Chloride
Concen: 0.150 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

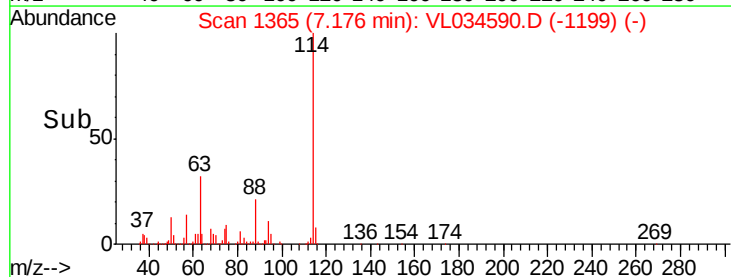
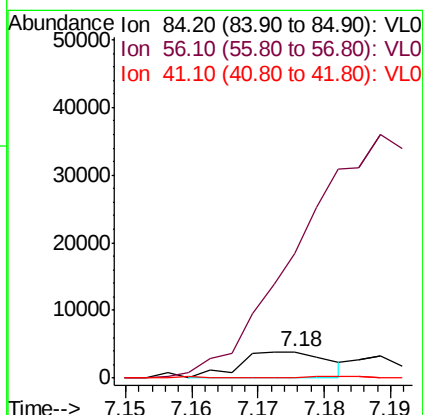
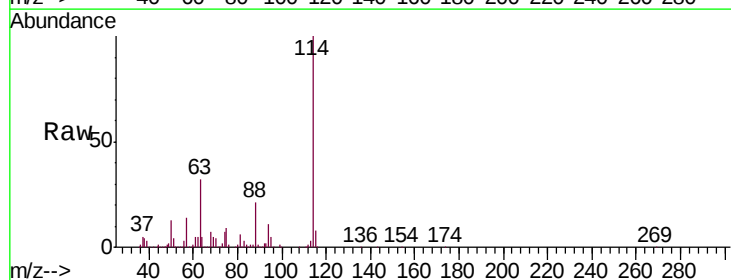
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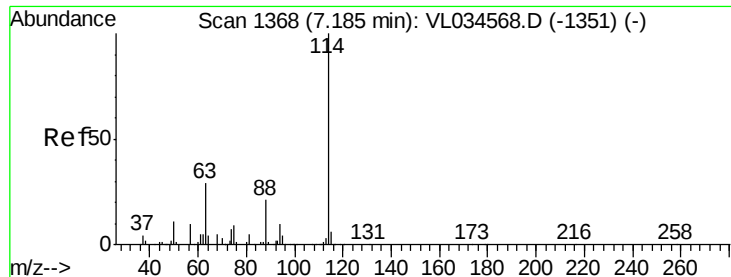
Tgt Ion:	84	Resp:	7823
Ion	Ratio	Lower	Upper
84	100		
49	142.6	122.4	183.6
51	54.7	38.6	57.8
86	58.6	49.0	73.6



#30
Cyclohexane
Concen: 0.053 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.04 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Tgt Ion:	84	Resp:	3683
Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.5	165.7#
41	0.0	71.9	107.9#

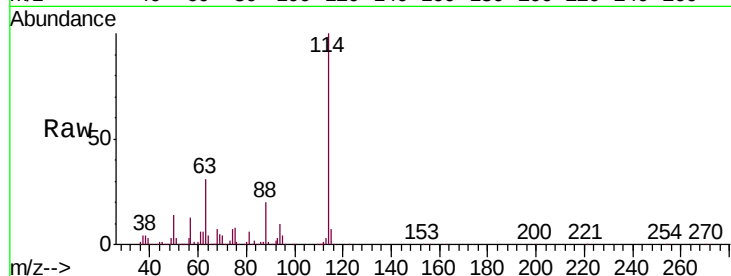




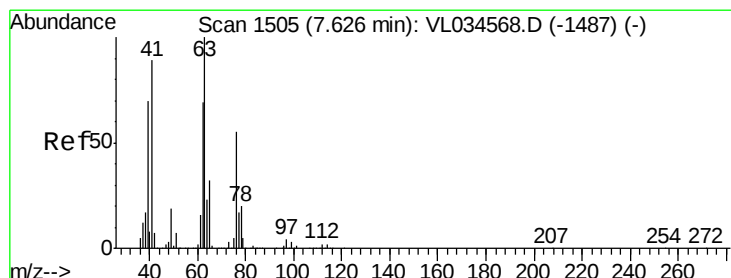
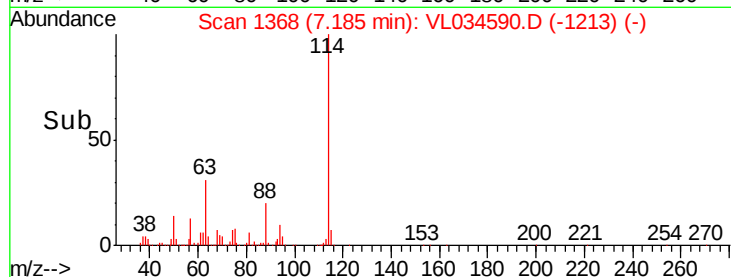
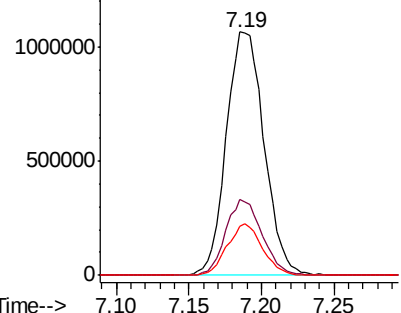
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034590.D
 Acq: 4 Feb 2020 21:51

Instrument :
 MSVOA_L
 ClientSampled :
 IA-1DL

Tgt Ion: 114 Resp: 1934123
 Ion Ratio Lower Upper
 114 100
 63 30.0 24.1 36.1
 88 19.8 15.9 23.9

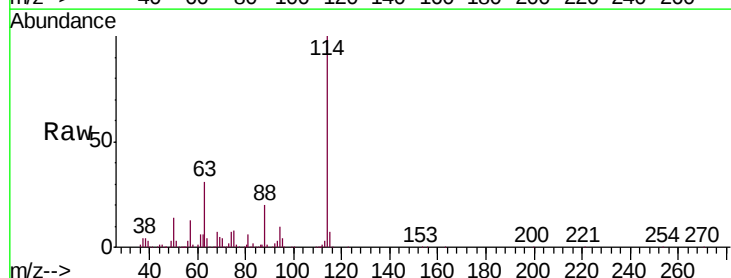


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

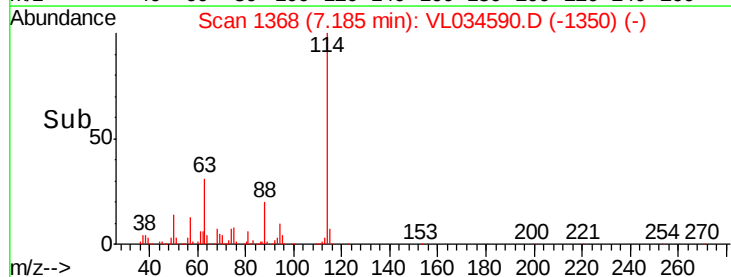
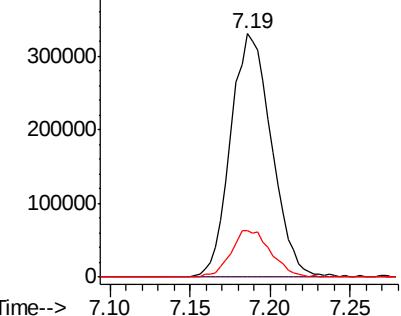


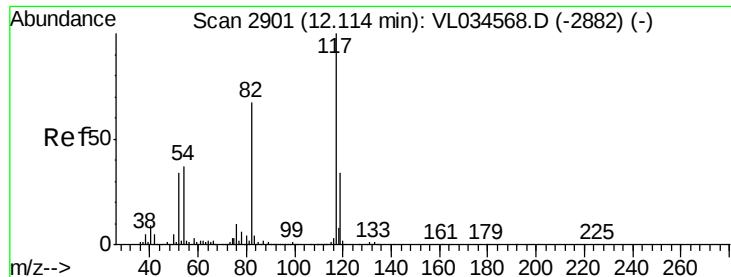
#39
 1,2-Dichloropropane
 Concen: 8.102 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.44 min
 Lab File: VL034590.D
 Acq: 4 Feb 2020 21:51

Tgt Ion: 63 Resp: 577678
 Ion Ratio Lower Upper
 63 100
 41 0.1 71.0 106.4#
 62 19.2 55.4 83.0#



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

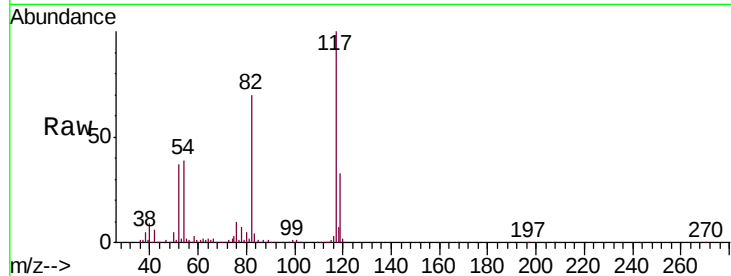




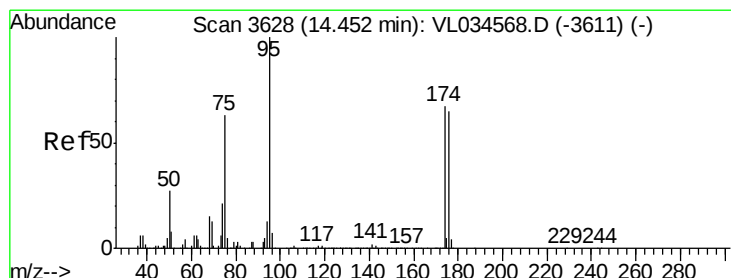
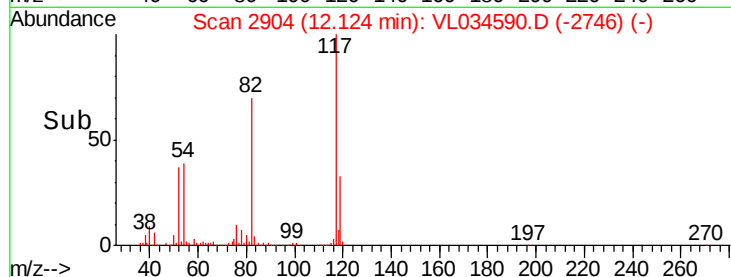
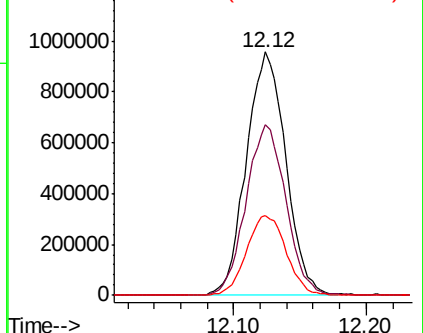
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 117 Resp: 1980203
Ion Ratio Lower Upper
117 100
82 71.1 54.2 81.4
119 33.1 26.1 39.1

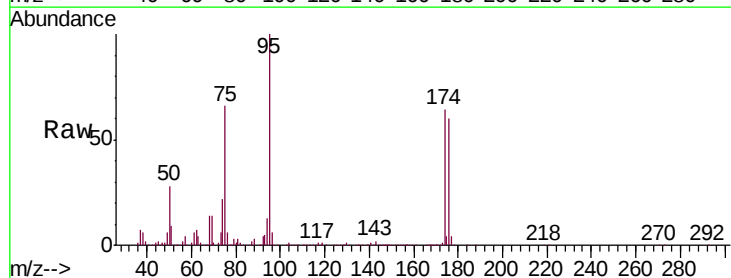


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.093 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Tgt Ion: 95 Resp: 1689087
Ion Ratio Lower Upper
95 100
174 63.0 52.3 78.5
175 4.2 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

