

Data File : VL034626.D
Acq On : 18 Feb 2020 16:20
Operator : SY/AP
Sample : L1532-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IADL

Quant Time: Feb 19 06:04:08 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	915422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1907877	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1915218	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1631723	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

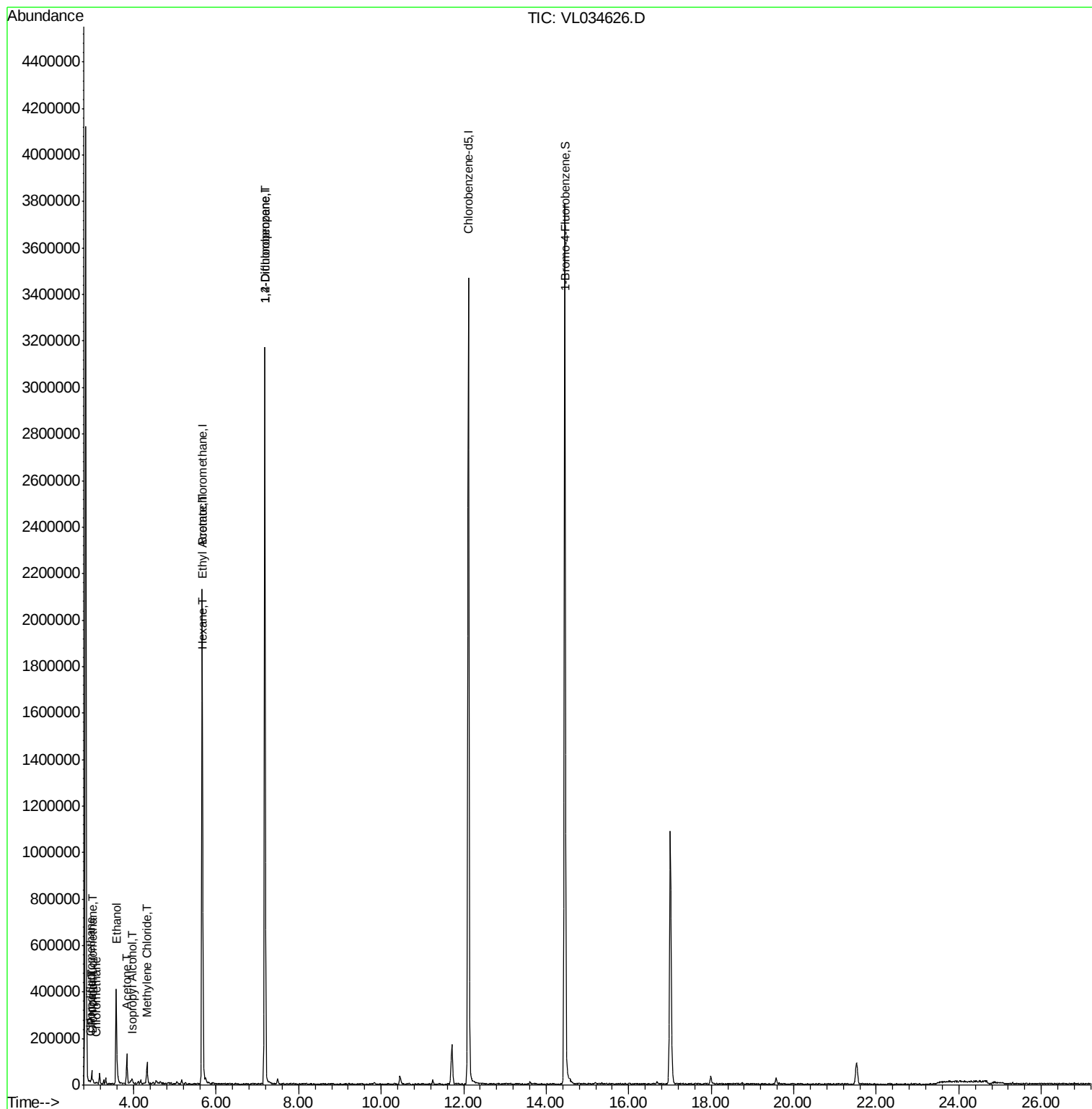
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	11474	0.057	ppbv #	86
3) Chlorodifluoromethane	2.95	51	6184	0.056	ppbv #	88
4) Chloromethane	3.11	50	3044	0.045	ppbv #	78
9) Propene	2.98	41	3666	0.085	ppbv #	14
13) Ethanol	3.57	45	404820	35.092	ppbv	97
15) Acetone	3.83	43	113468	0.843	ppbv	94
19) Isopropyl Alcohol	3.96	45	14910	0.190	ppbv #	1
20) Methylene Chloride	4.33	84	26486	0.517	ppbv	94
25) Ethyl Acetate	5.67	43	8280	0.038	ppbv #	79
26) Hexane	5.68	57	4349	0.048	ppbv #	24
39) 1,2-Dichloropropane	7.18	63	555969	7.905	ppbv #	20

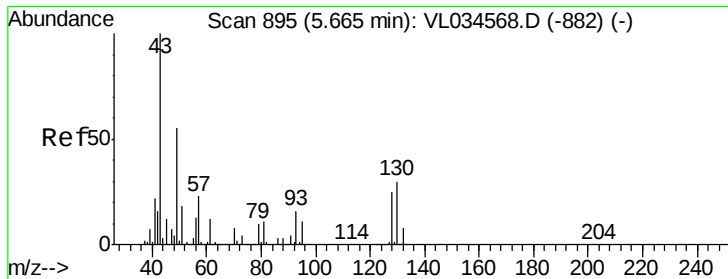
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

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ClientSampleId :

IR-BR-IADL

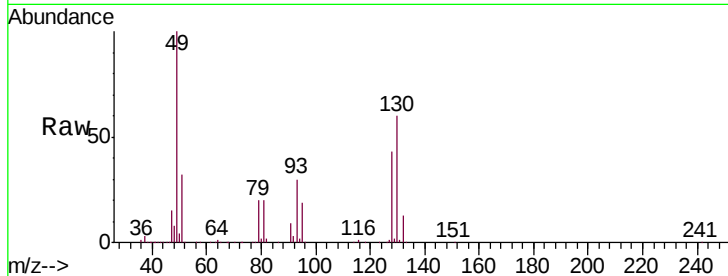
Tgt Ion: 49 Resp: 915422

Ion Ratio Lower Upper

49 100

128 46.9 22.7 68.1

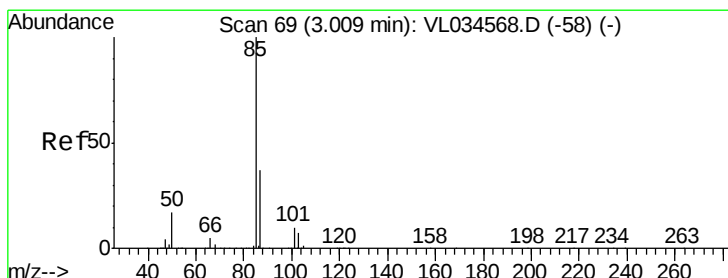
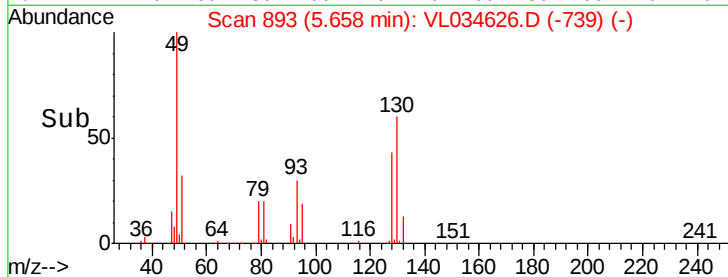
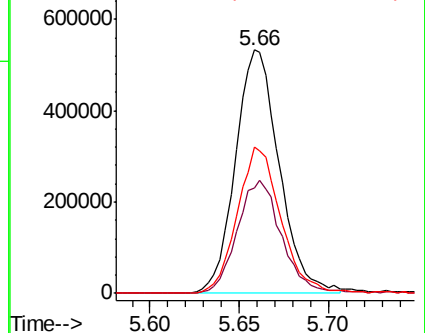
130 60.4 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.057 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034626.D

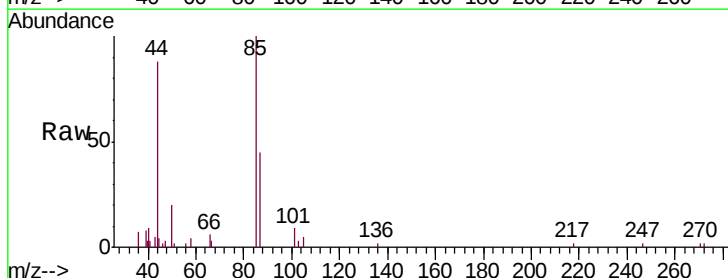
Acq: 18 Feb 2020 16:20

Tgt Ion: 85 Resp: 11474

Ion Ratio Lower Upper

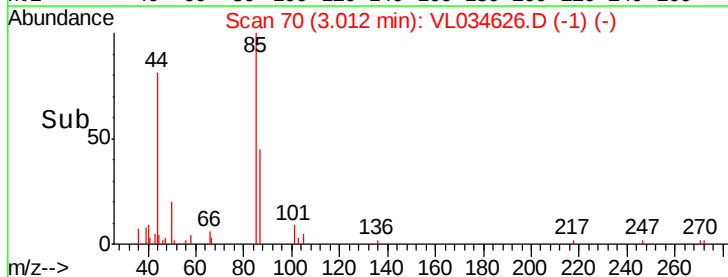
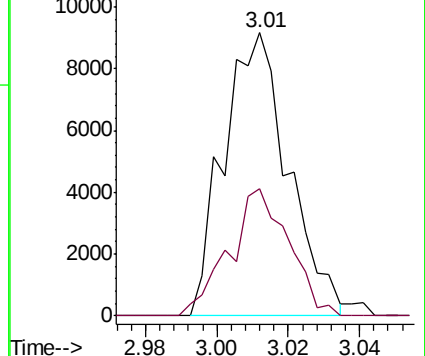
85 100

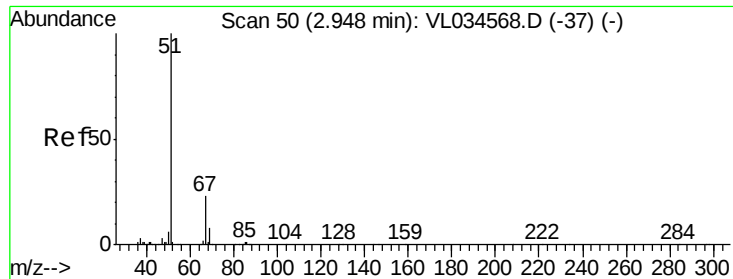
87 45.0 29.5 44.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.056 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034626.D

Acq: 18 Feb 2020 16:20

Instrument :

MSVOA_L

ClientSampleId :

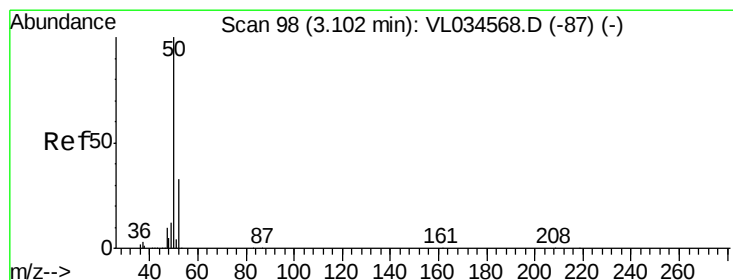
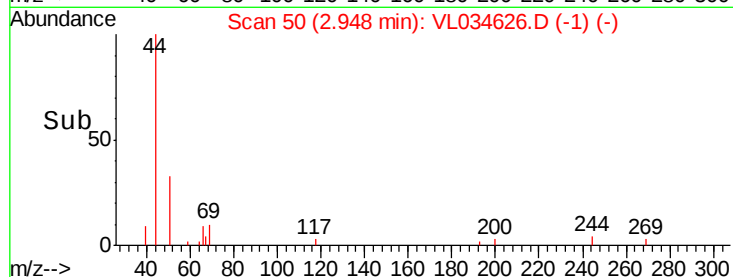
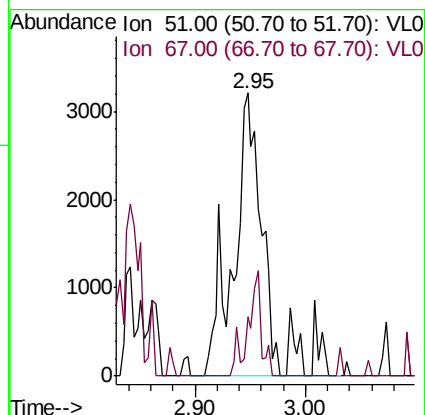
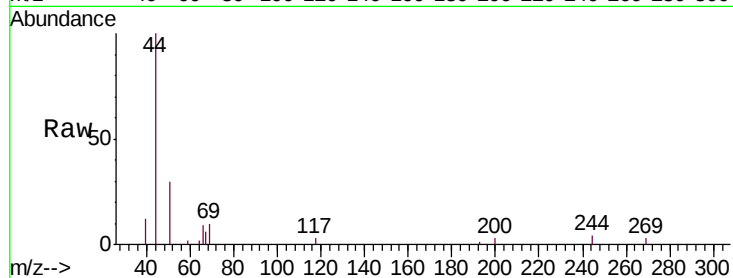
IR-BR-IADL

Tgt Ion: 51 Resp: 6184

Ion Ratio Lower Upper

51 100

67 16.3 17.8 26.8#



#4

Chloromethane

Concen: 0.045 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034626.D

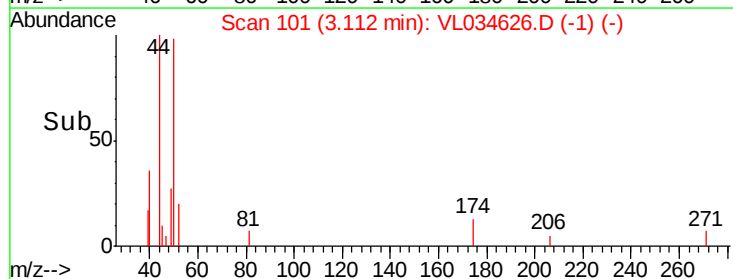
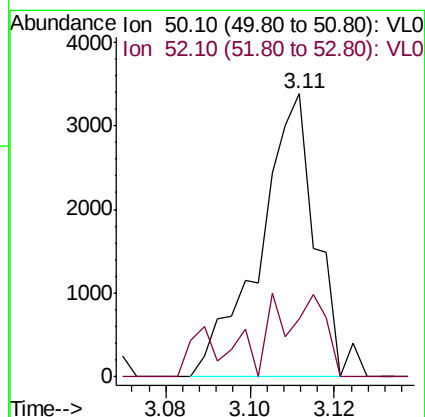
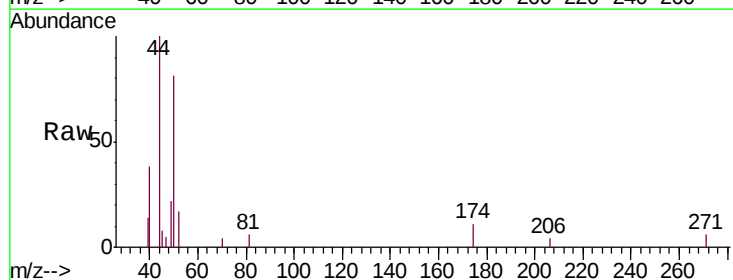
Acq: 18 Feb 2020 16:20

Tgt Ion: 50 Resp: 3044

Ion Ratio Lower Upper

50 100

52 20.4 26.6 39.8#





#9

Propene

Concen: 0.085 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034626.D

Acq: 18 Feb 2020 16:20

Instrument :

MSVOA_L

ClientSampleId :

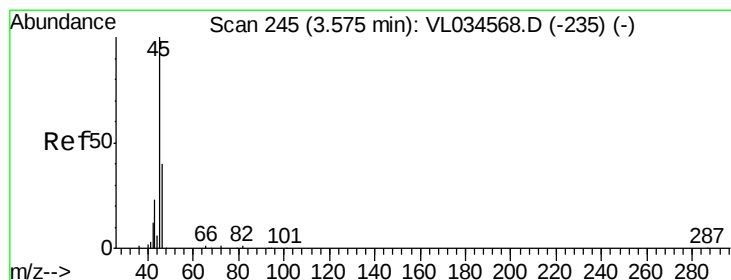
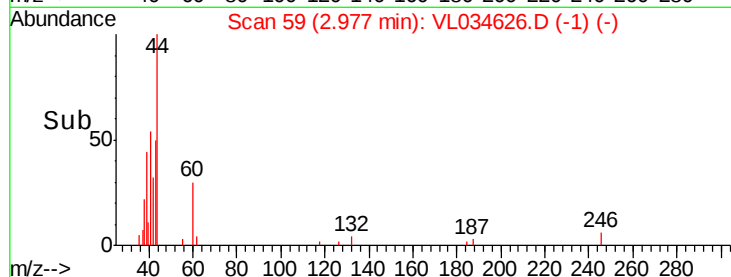
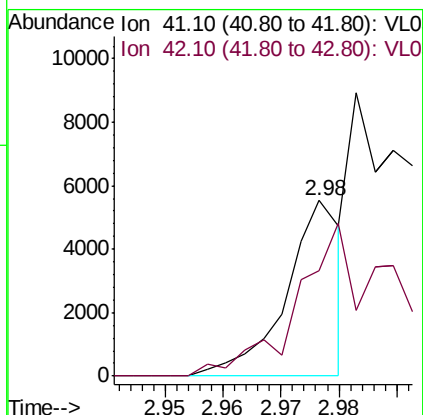
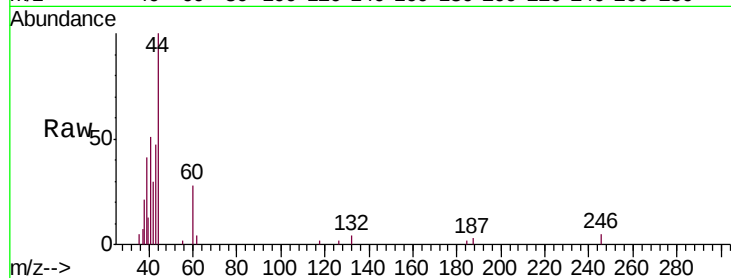
IR-BR-IADL

Tgt Ion: 41 Resp: 3666

Ion Ratio Lower Upper

41 100

42 0.0 57.0 85.4#



#13

Ethanol

Concen: 35.092 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL034626.D

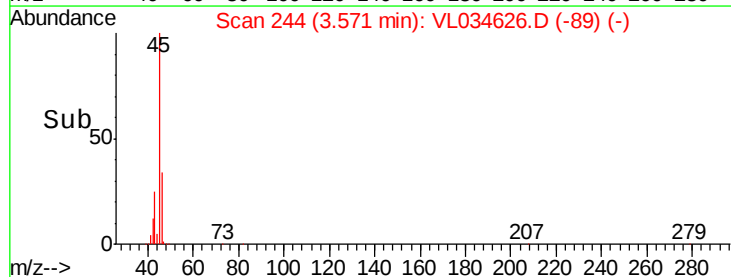
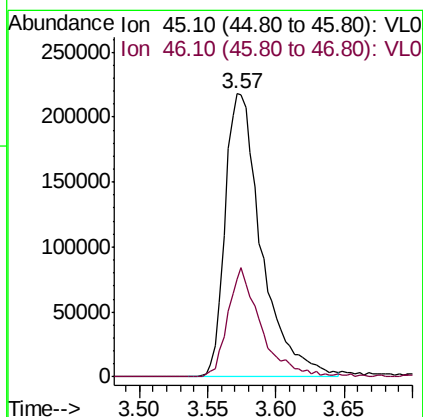
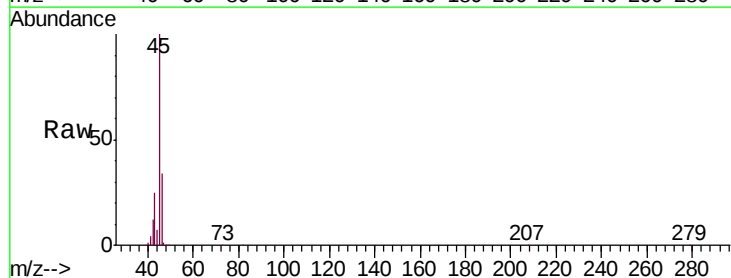
Acq: 18 Feb 2020 16:20

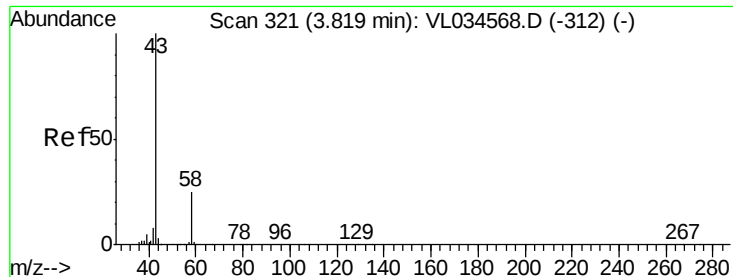
Tgt Ion: 45 Resp: 404820

Ion Ratio Lower Upper

45 100

46 35.2 14.8 59.2





#15

Acetone

Concen: 0.843 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034626.D

Acq: 18 Feb 2020 16:20

Instrument :

MSVOA_L

ClientSampleId :

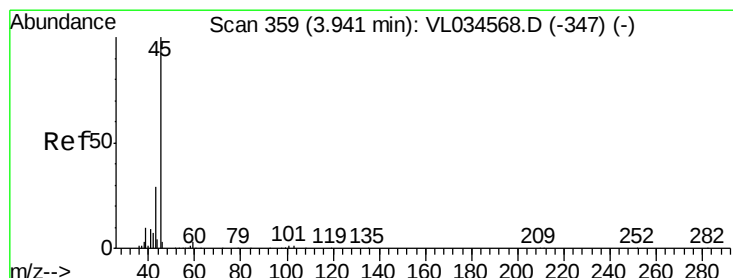
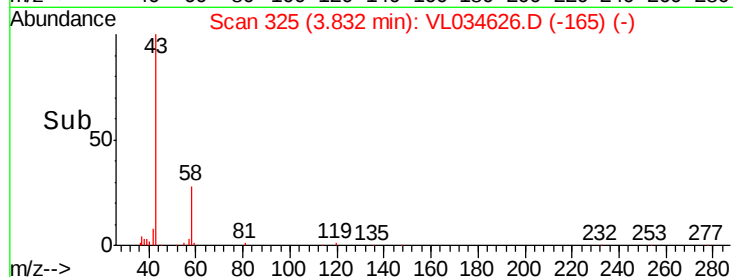
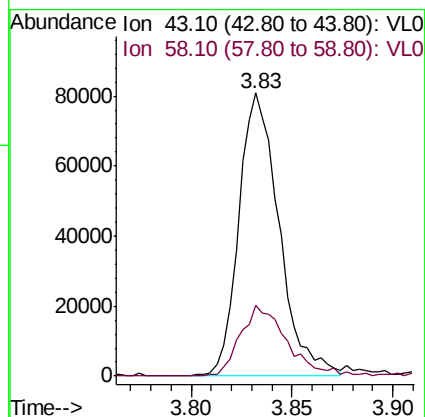
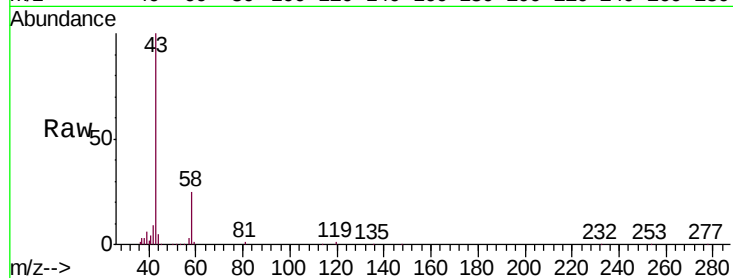
IR-BR-IADL

Tgt Ion: 43 Resp: 113468

Ion Ratio Lower Upper

43 100

58 28.6 20.3 30.5



#19

Isopropyl Alcohol

Concen: 0.190 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.02 min

Lab File: VL034626.D

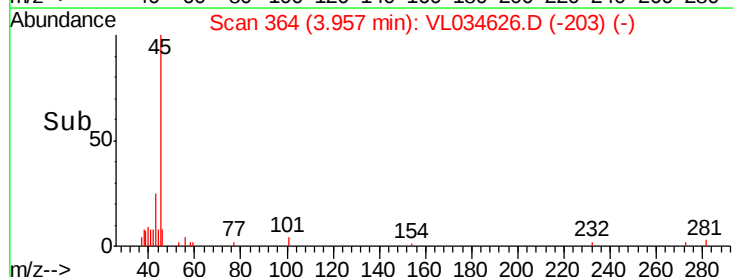
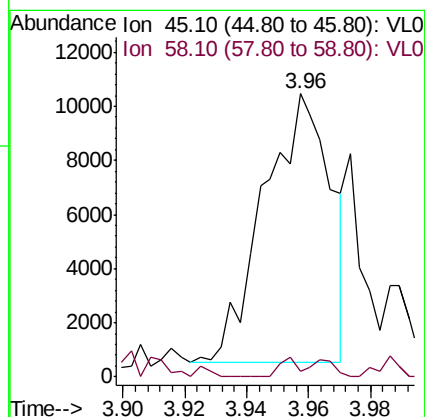
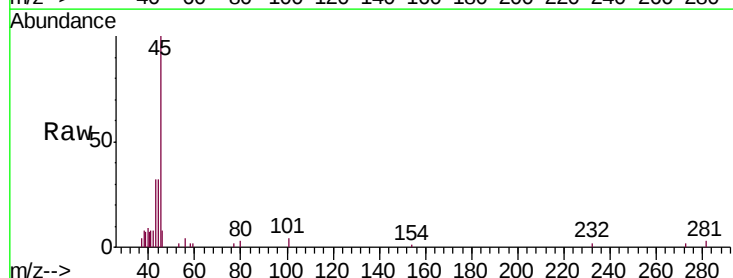
Acq: 18 Feb 2020 16:20

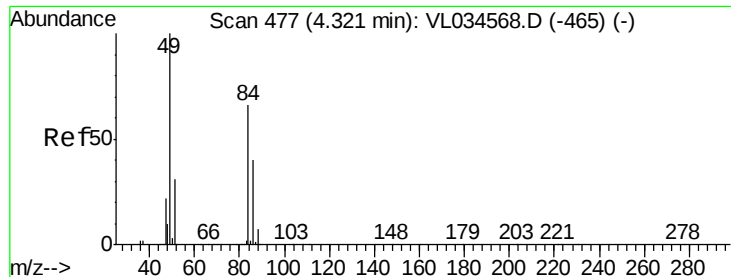
Tgt Ion: 45 Resp: 14910

Ion Ratio Lower Upper

45 100

58 219.2 1.7 2.5#

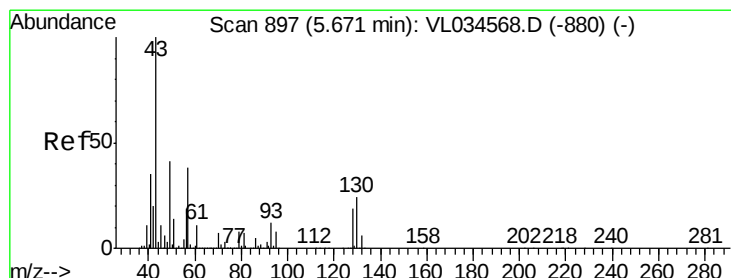
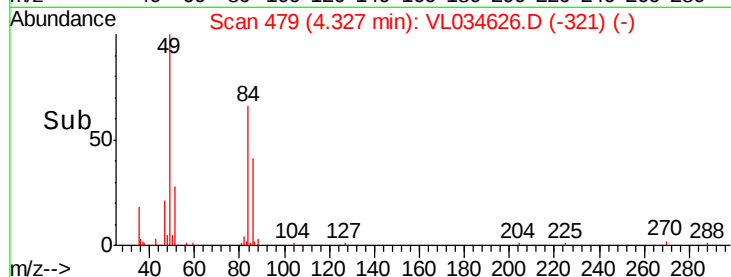
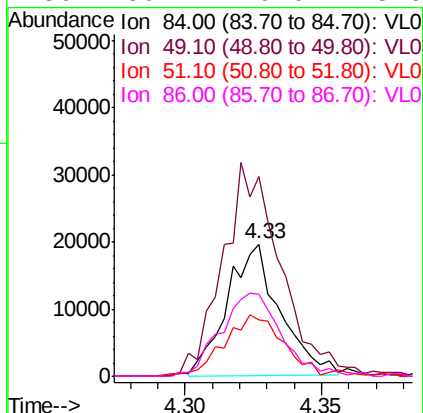
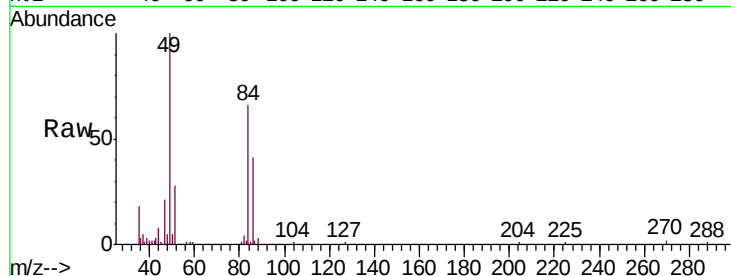




#20
Methylene Chloride
Concen: 0.517 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL034626.D
Acq: 18 Feb 2020 16:20

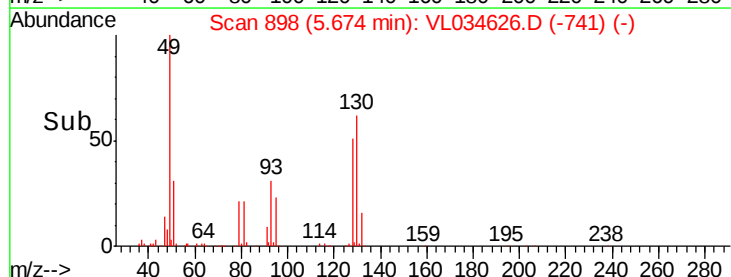
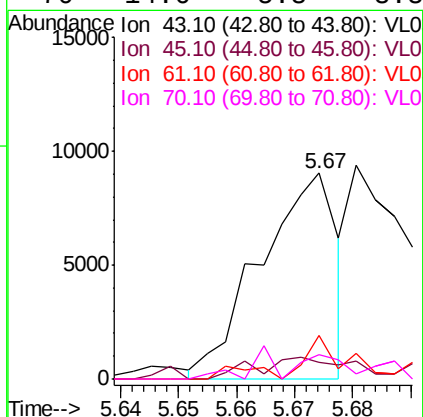
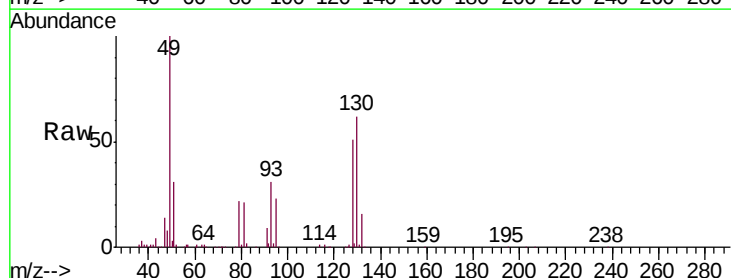
Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IADL

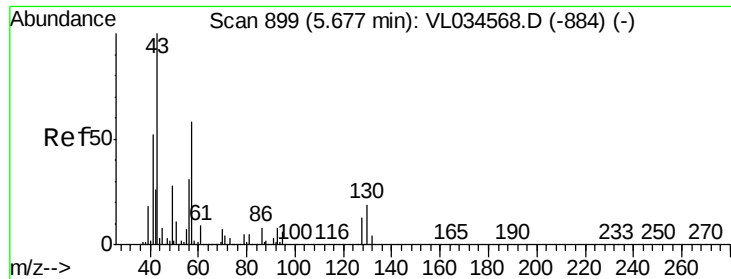
Tgt Ion:	84	Resp:	26486
Ion	Ratio	Lower	Upper
84	100		
49	145.6	122.4	183.6
51	40.2	38.6	57.8
86	60.4	49.0	73.6



#25
Ethyl Acetate
Concen: 0.038 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034626.D
Acq: 18 Feb 2020 16:20

Tgt Ion:	43	Resp:	8280
Ion	Ratio	Lower	Upper
43	100		
45	19.8	8.5	12.7#
61	3.5	7.8	11.6#
70	14.6	5.8	8.8#

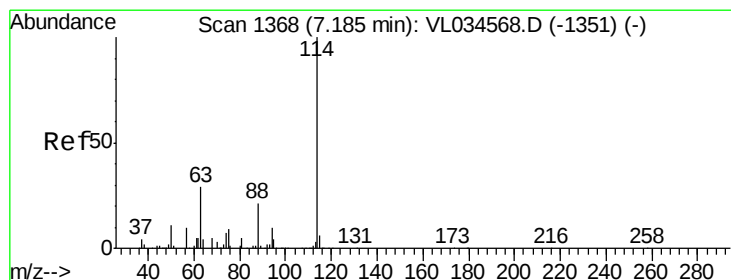
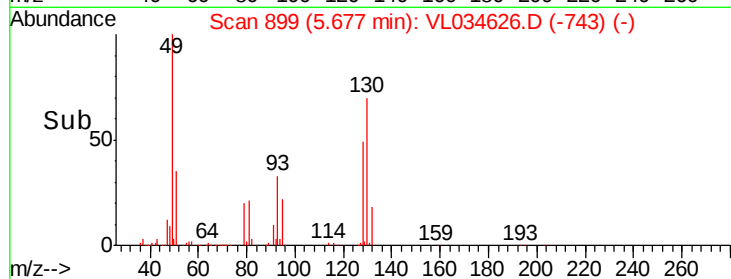
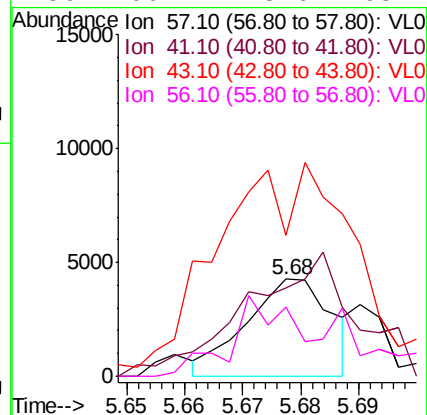
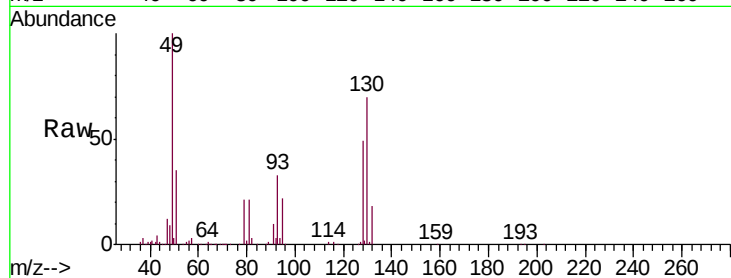




#26
Hexane
Concen: 0.048 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034626.D
Acq: 18 Feb 2020 16:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IADL

Tgt Ion: 57 Resp: 4349
Ion Ratio Lower Upper
57 100
41 167.7 76.2 114.2#
43 372.5 189.9 284.9#
56 100.1 43.6 65.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034626.D
Acq: 18 Feb 2020 16:20

Tgt Ion: 114 Resp: 1907877
Ion Ratio Lower Upper
114 100
63 29.3 24.1 36.1
88 19.5 15.9 23.9

