

Data File : VL032680.D
Acq On : 19 Oct 2018 12:17
Operator : SY/AP
Sample : J5581-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
D-1DL

Quant Time: Oct 19 23:13:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1560855	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3598772	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3526526	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2655994	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

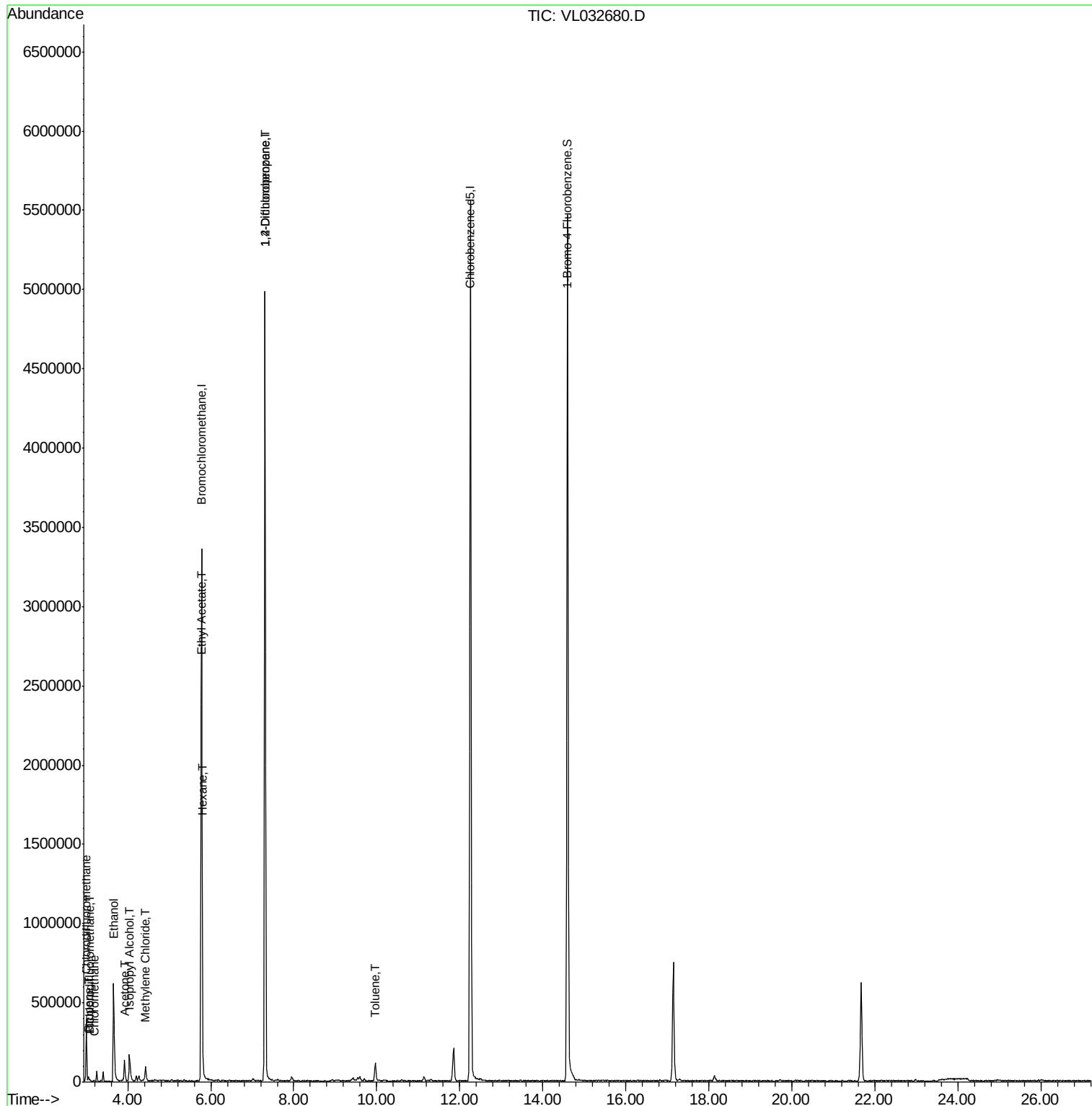
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	8022	0.050	ppbv #	82
3) Chlorodifluoromethane	3.00	51	233810	1.915	ppbv #	59
4) Chloromethane	3.18	50	2044	0.030	ppbv	99
9) Propene	3.05	41	5044	0.100	ppbv	89
13) Ethanol	3.66	45	662004	46.108	ppbv	97
15) Acetone	3.92	43	119576	0.830	ppbv	99
19) Isopropyl Alcohol	4.04	45	204720	1.994	ppbv #	98
20) Methylene Chloride	4.43	84	27457	0.375	ppbv #	94
25) Ethyl Acetate	5.80	43	33448	0.101	ppbv #	93
26) Hexane	5.80	57	34369	0.219	ppbv #	50
39) 1,2-Dichloropropane	7.31	63	894921	7.930	ppbv #	26
53) Toluene	9.96	91	82760	0.247	ppbv	100

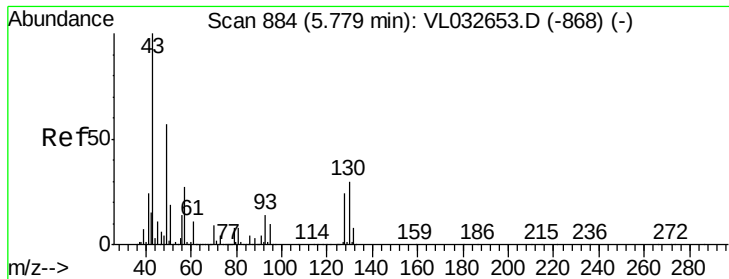
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032680.D

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Instrument :

MSVOA_L

ClientSampleId :

D-1DL

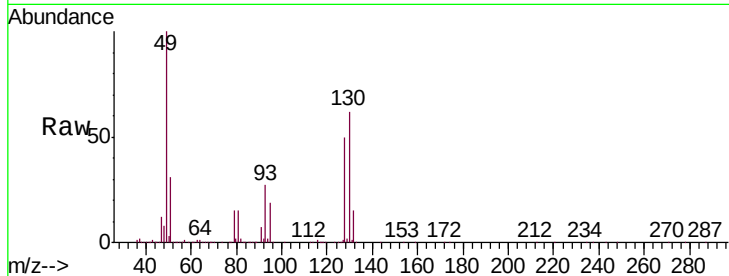
Tgt Ion: 49 Resp: 1560855

Ion Ratio Lower Upper

49 100

128 49.1 22.3 66.8

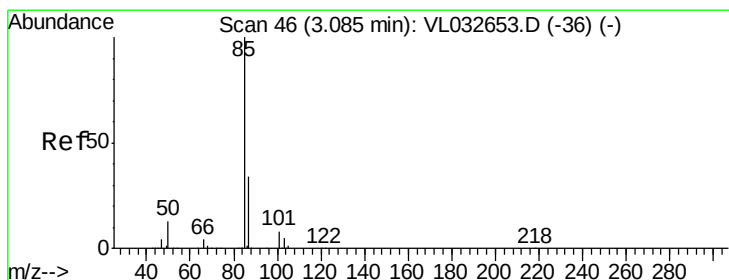
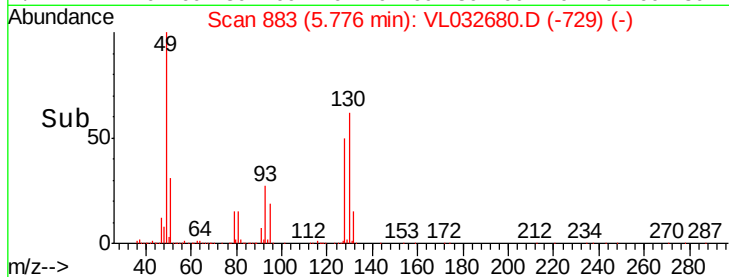
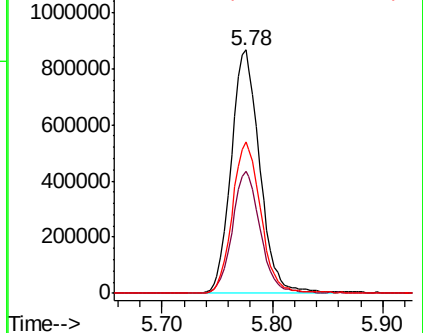
130 62.4 28.4 85.3



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: 0.050 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032680.D

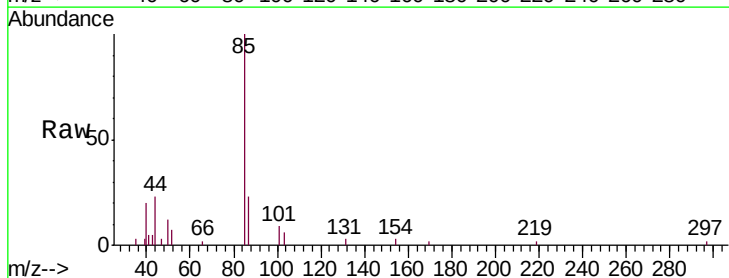
Acq: 19 Oct 2018 12:17

Tgt Ion: 85 Resp: 8022

Ion Ratio Lower Upper

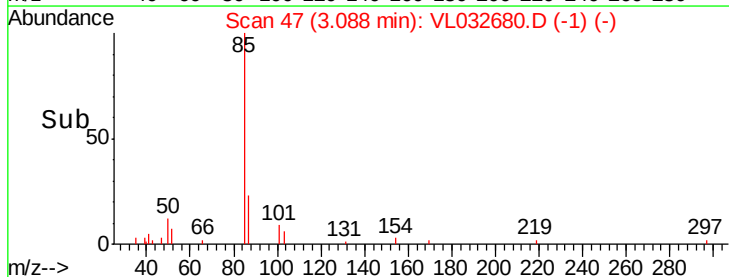
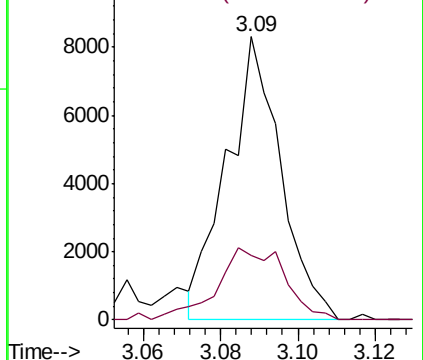
85 100

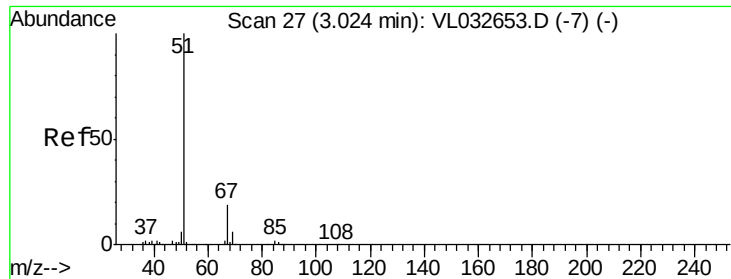
87 22.7 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

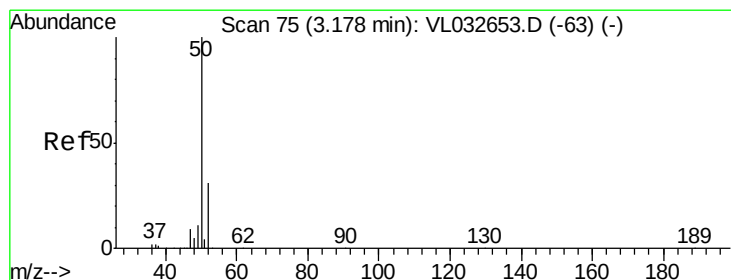
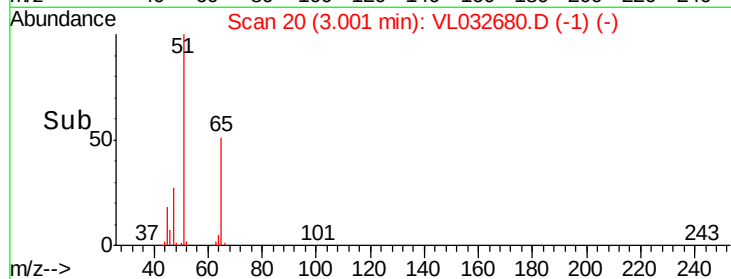
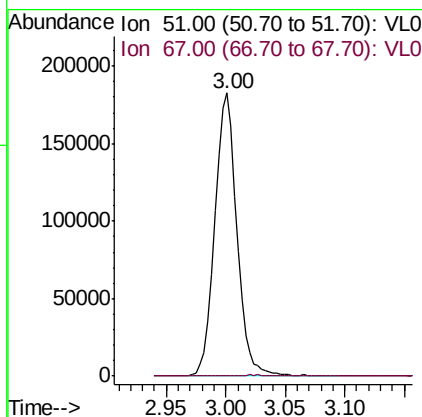
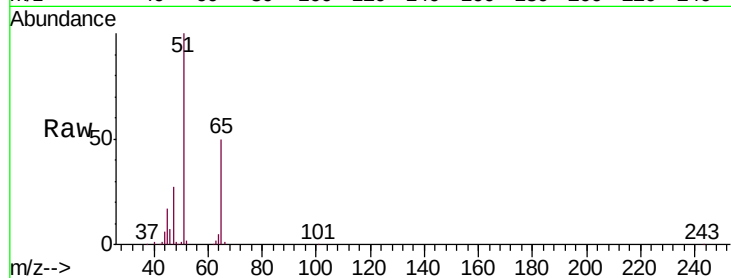




#3
 Chlorodifluoromethane
 Concen: 1.915 ppbv
 RT: 3.00 min Scan# 20
 Delta R.T. -0.02 min
 Lab File: VL032680.D
 Acq: 19 Oct 2018 12:17

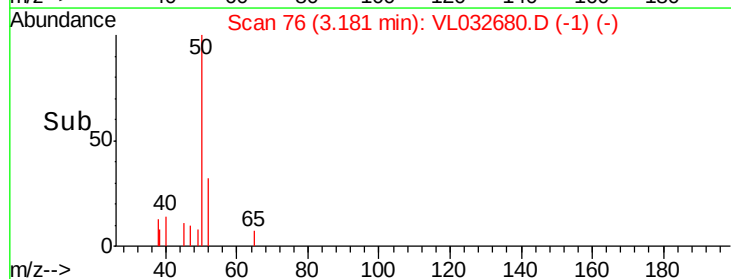
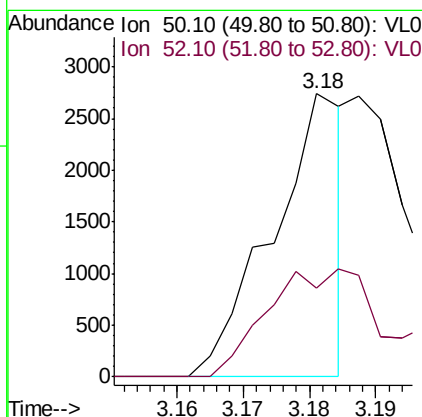
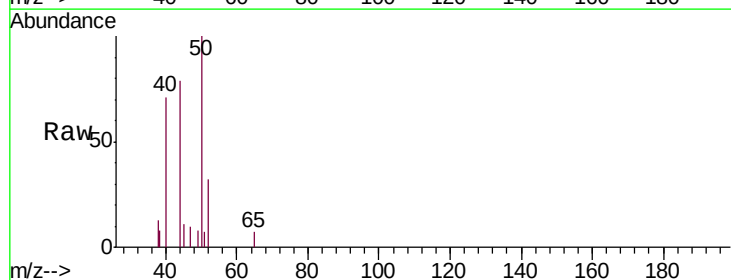
Instrument :
 MSVOA_L
 ClientSampleId :
 D-1DL

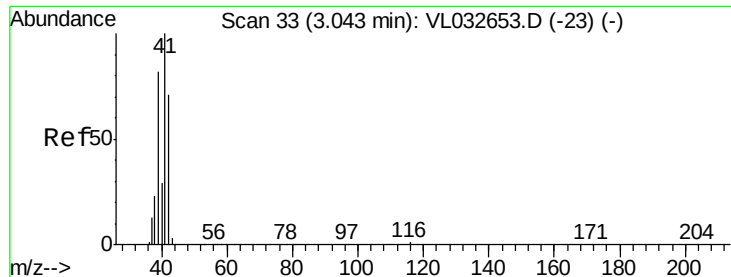
Tgt Ion: 51 Resp: 233810
 Ion Ratio Lower Upper
 51 100
 67 0.5 15.2 22.8#



#4
 Chloromethane
 Concen: 0.030 ppbv
 RT: 3.18 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: VL032680.D
 Acq: 19 Oct 2018 12:17

Tgt Ion: 50 Resp: 2044
 Ion Ratio Lower Upper
 50 100
 52 31.6 25.9 38.9





#9

Propene

Concen: 0.100 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032680.D

Acq: 19 Oct 2018 12:17

Instrument :

MSVOA_L

ClientSampleId :

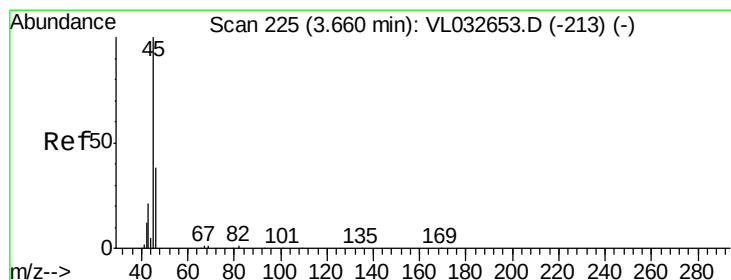
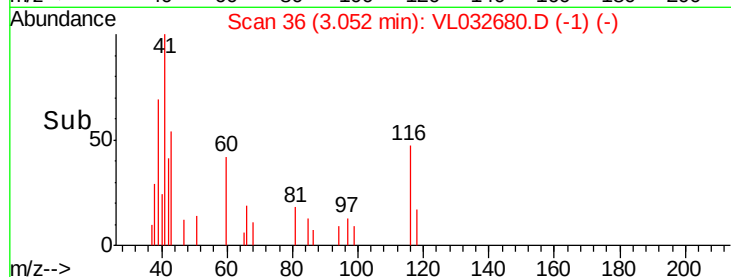
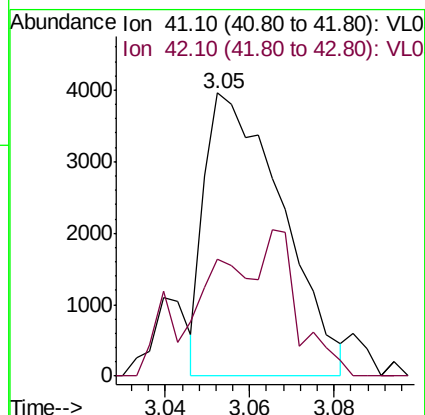
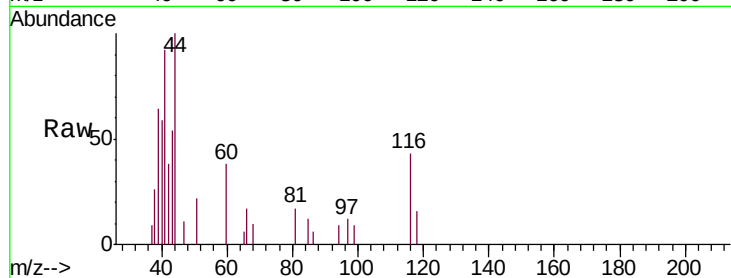
D-1DL

Tgt Ion: 41 Resp: 5044

Ion Ratio Lower Upper

41 100

42 60.1 55.4 83.0



#13

Ethanol

Concen: 46.108 ppbv

RT: 3.66 min Scan# 225

Delta R.T. -0.00 min

Lab File: VL032680.D

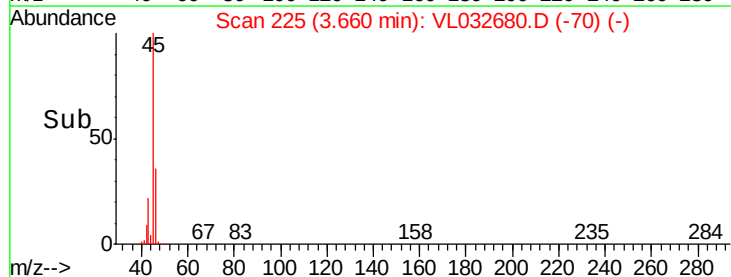
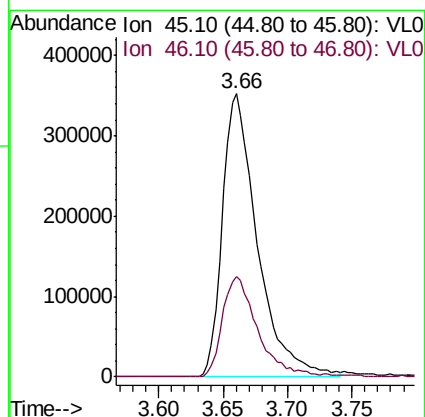
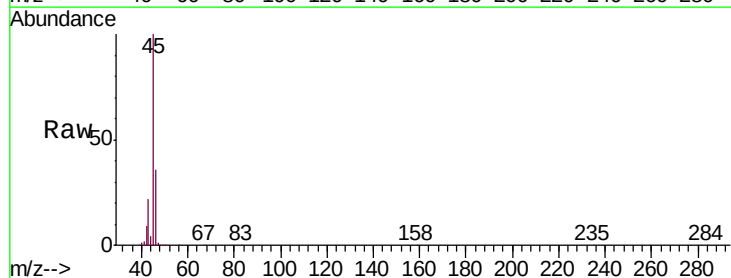
Acq: 19 Oct 2018 12:17

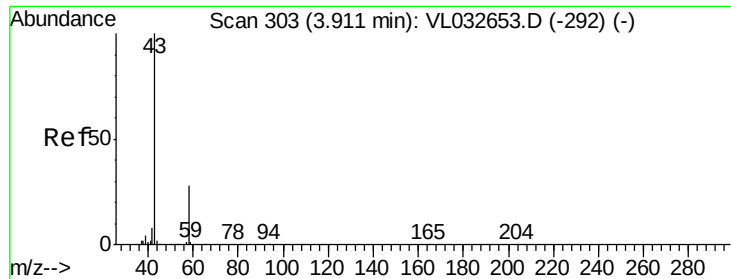
Tgt Ion: 45 Resp: 662004

Ion Ratio Lower Upper

45 100

46 36.5 15.4 61.8

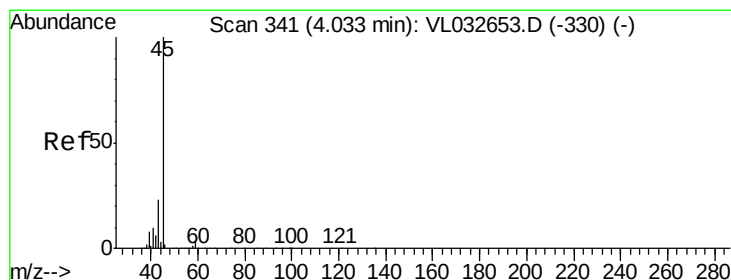
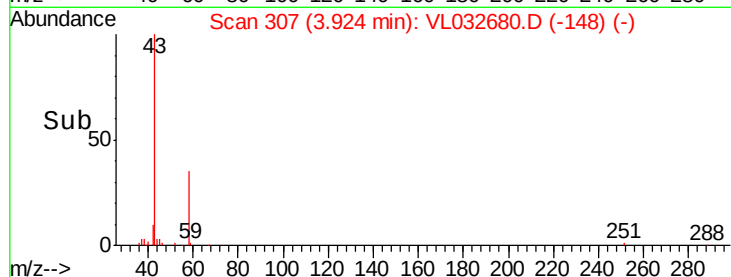
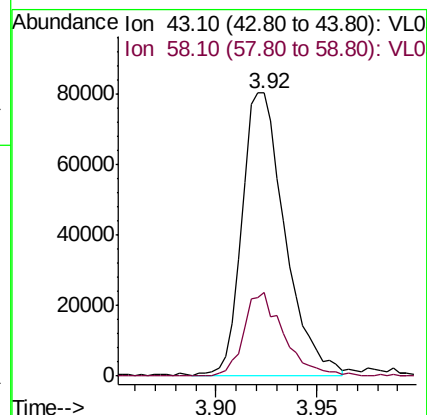
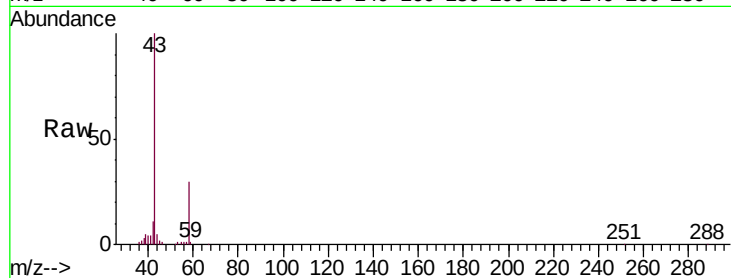




#15
Acetone
Concen: 0.830 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.01 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

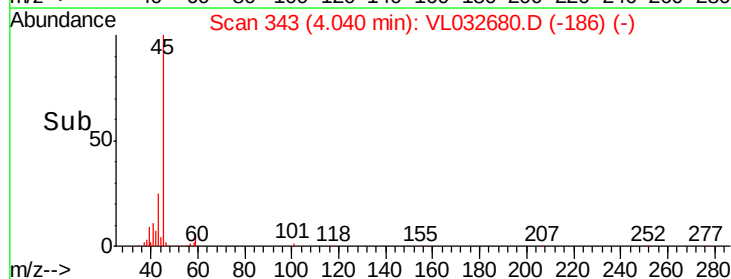
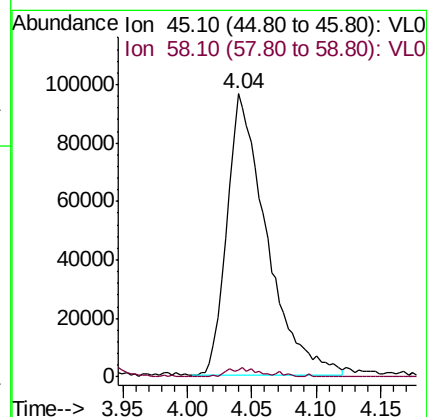
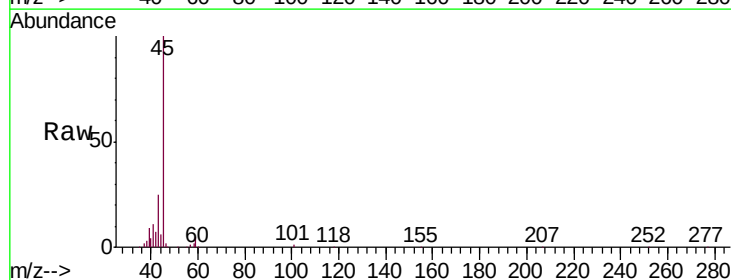
Instrument :
MSVOA_L
ClientSampleId :
D-1DL

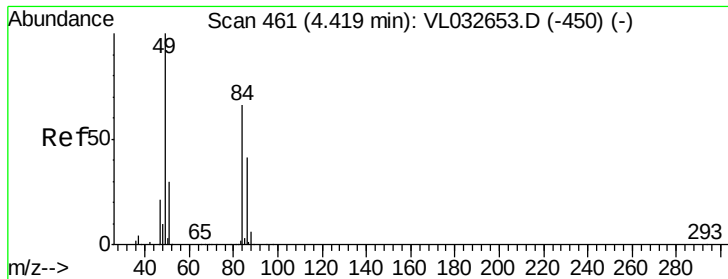
Tgt Ion: 43 Resp: 119576
Ion Ratio Lower Upper
43 100
58 27.9 22.1 33.1



#19
Isopropyl Alcohol
Concen: 1.994 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

Tgt Ion: 45 Resp: 204720
Ion Ratio Lower Upper
45 100
58 3.1 2.0 3.0#

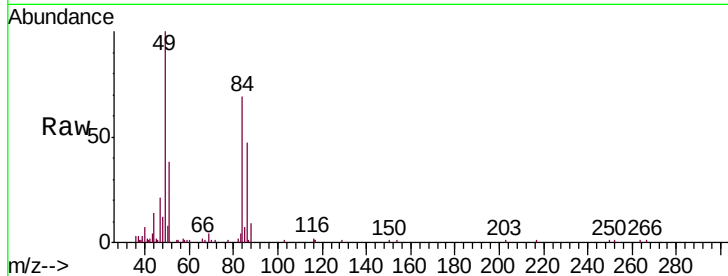




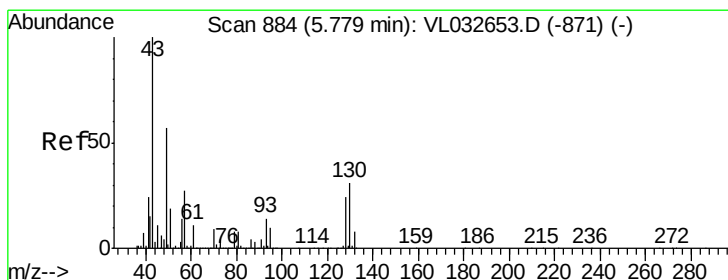
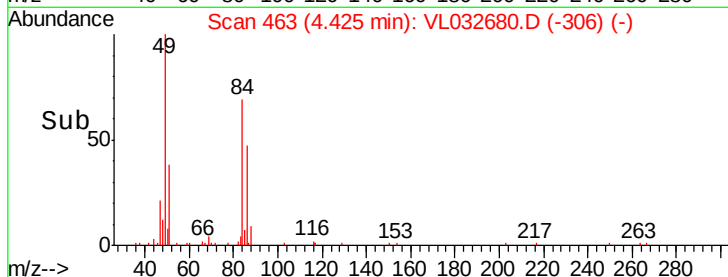
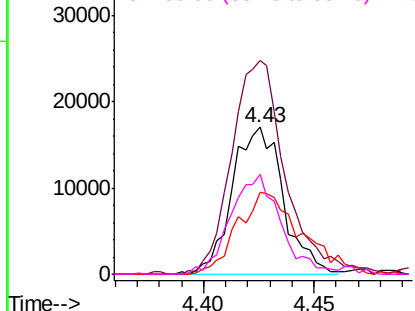
#20
Methylene Chloride
Concen: 0.375 ppbv
RT: 4.43 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
D-1DL

Tgt Ion:	84	Resp:	27457
Ion	Ratio	Lower	Upper
84	100		
49	143.1	113.5	170.3
51	55.9	34.8	52.2#
86	67.4	47.9	71.9

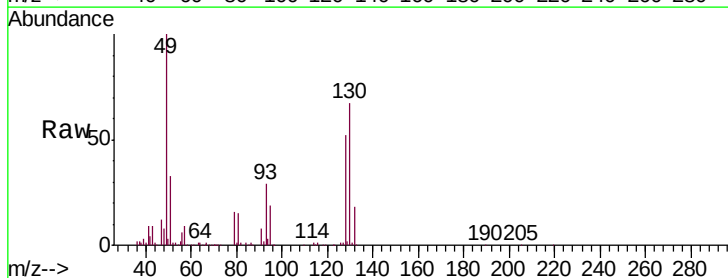


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

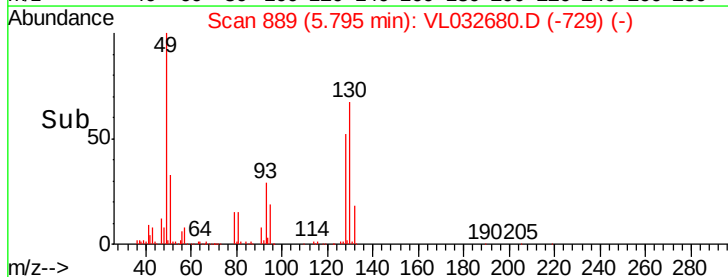
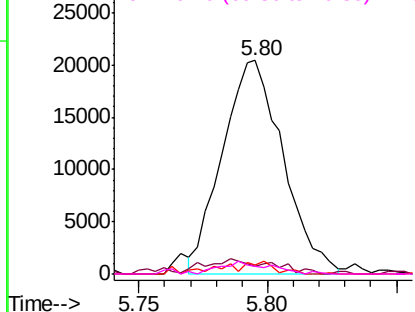


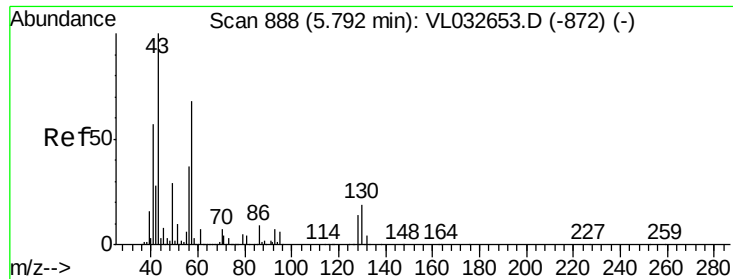
#25
Ethyl Acetate
Concen: 0.101 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.02 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

Tgt Ion:	43	Resp:	33448
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	5.3	8.0	12.0#
70	5.3	5.9	8.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

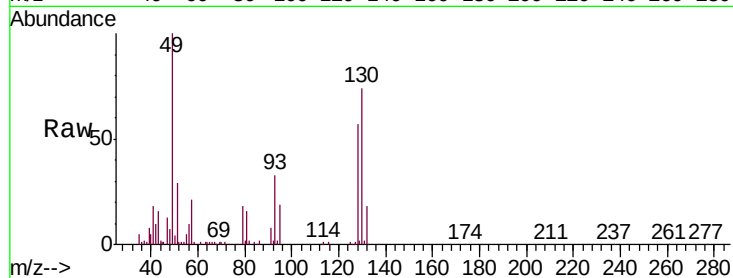




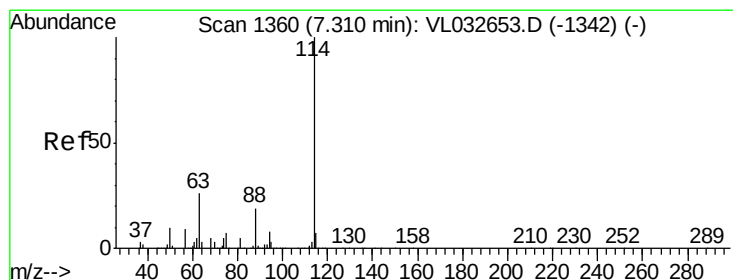
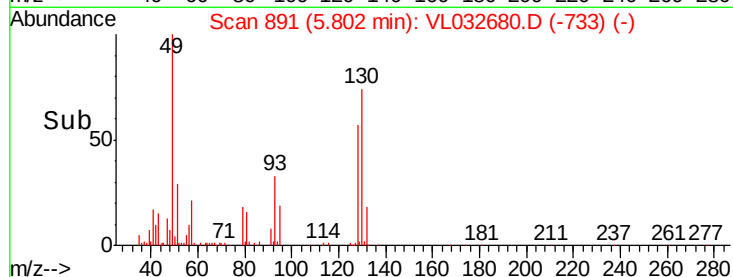
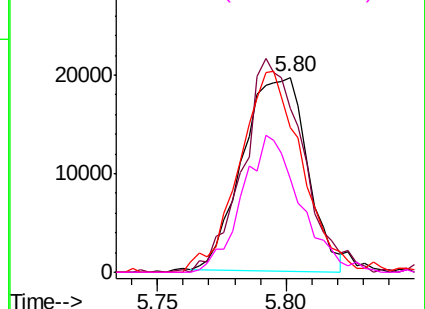
#26
Hexane
Concen: 0.219 ppbv
RT: 5.80 min Scan# 891
Delta R.T. 0.01 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
D-1DL

Tgt Ion: 57 Resp: 34369
Ion Ratio Lower Upper
57 100
41 102.8 67.4 101.0#
43 103.4 171.9 257.9#
56 63.6 42.6 63.8

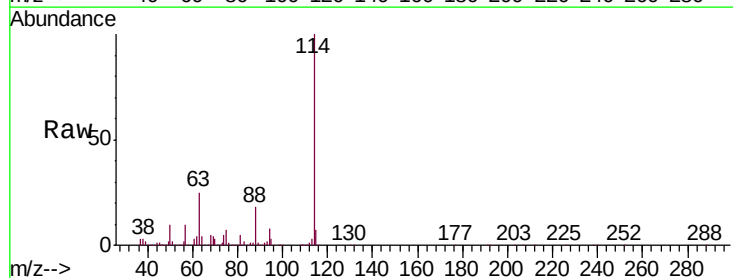


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

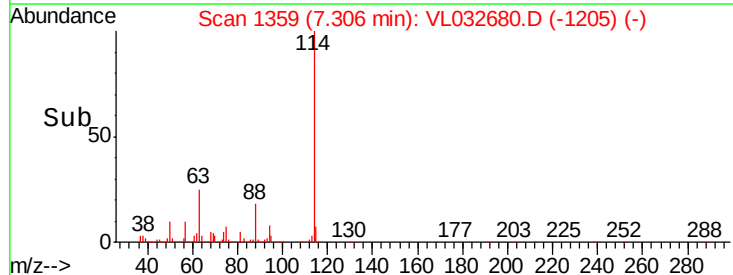
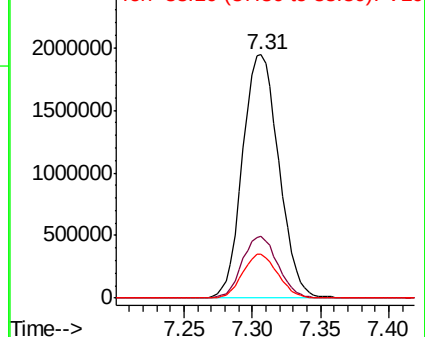


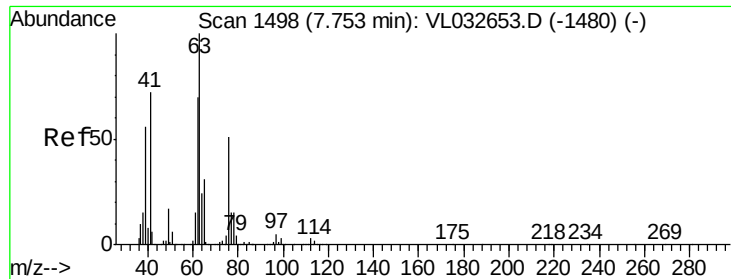
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

Tgt Ion: 114 Resp: 3598772
Ion Ratio Lower Upper
114 100
63 25.0 21.7 32.5
88 17.6 14.9 22.3



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: 7.930 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL032680.D

Acq: 19 Oct 2018 12:17

Instrument :

MSVOA_L

ClientSampleId :

D-1DL

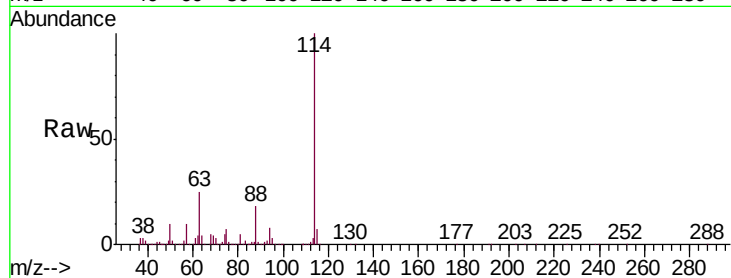
Tgt Ion: 63 Resp: 894921

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

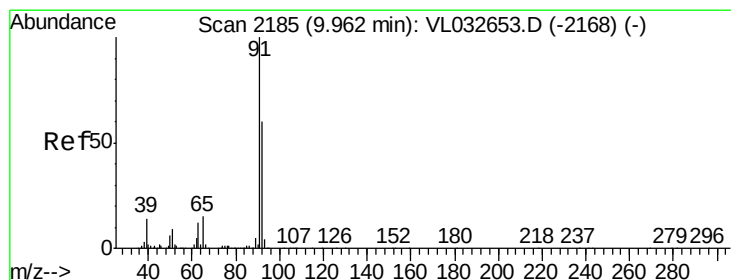
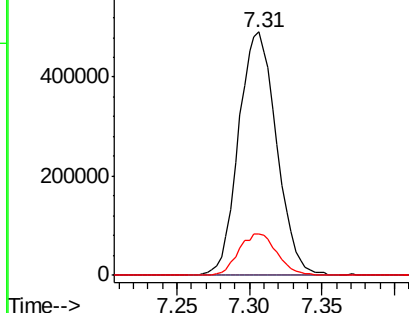
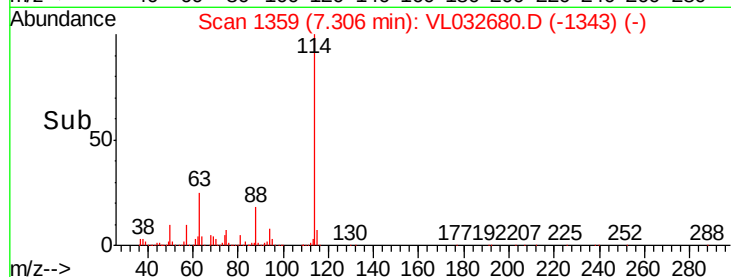
62 17.1 54.4 81.6#



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



#53

Toluene

Concen: 0.247 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032680.D

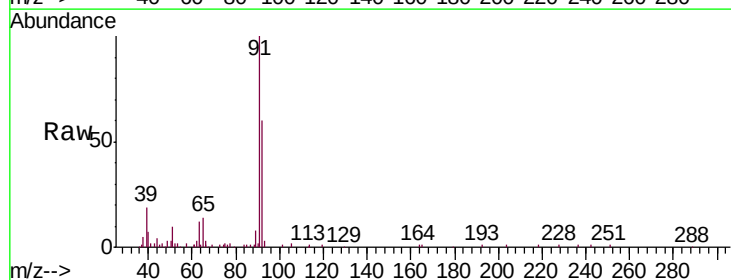
Acq: 19 Oct 2018 12:17

Tgt Ion: 91 Resp: 82760

Ion Ratio Lower Upper

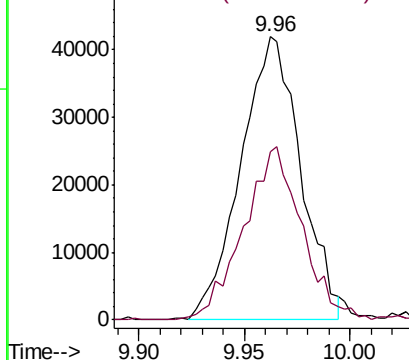
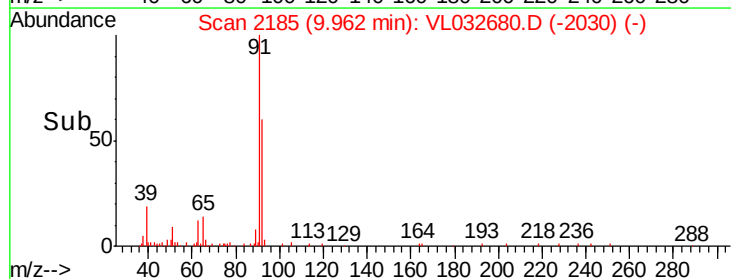
91 100

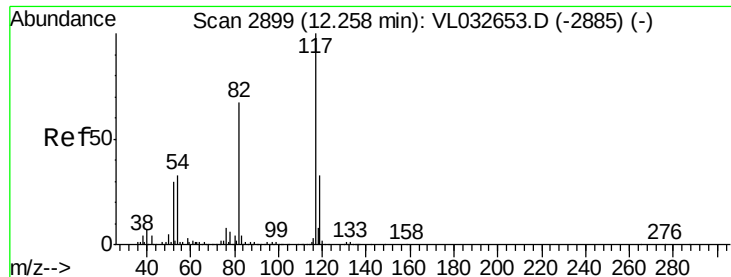
92 60.4 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

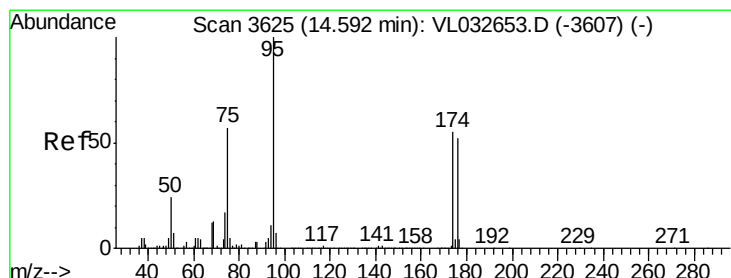
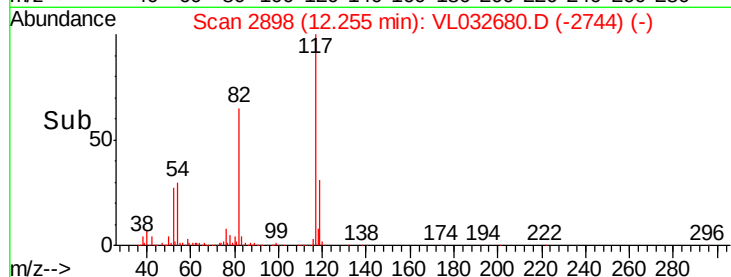
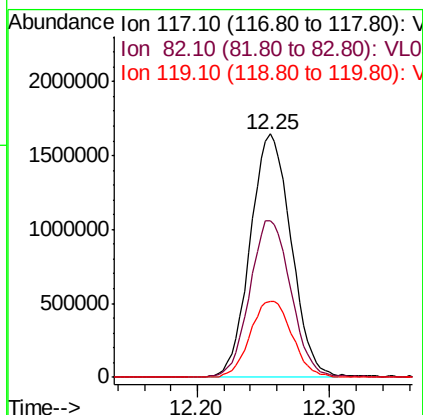
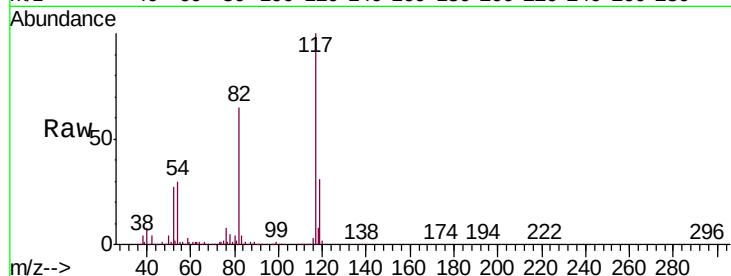




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
D-1DL

Tgt Ion: 117 Resp: 3526526
Ion Ratio Lower Upper
117 100
82 65.0 52.7 79.1
119 32.4 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.115 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032680.D
Acq: 19 Oct 2018 12:17

Tgt Ion: 95 Resp: 2655994
Ion Ratio Lower Upper
95 100
174 63.9 46.0 69.0
175 4.6 3.4 5.0

