

Data File : VL032674.D
Acq On : 19 Oct 2018 8:20
Operator : SY/AP
Sample : J5581-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-3DL

Quant Time: Oct 19 08:54:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1527261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3754272	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3682833	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.59 95 2683095 9.78 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 97.80%

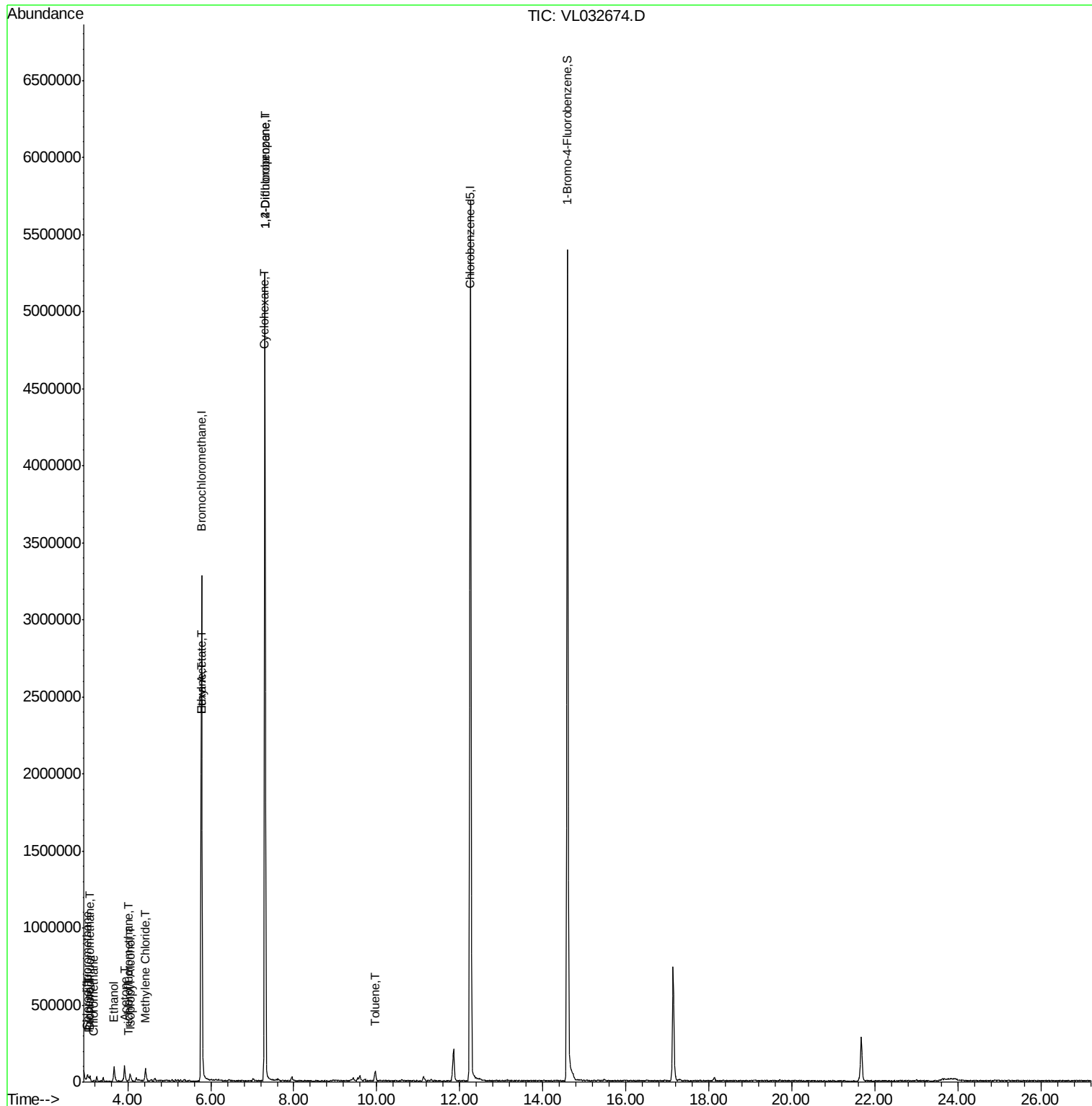
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	23606	0.152	ppbv	90
3) Chlorodifluoromethane	3.03	51	37517	0.314	ppbv	99
4) Chloromethane	3.18	50	1761	0.026	ppbv	94
9) Propene	3.06	41	3215	0.065	ppbv #	73
11) Trichlorofluoromethane	4.01	101	4471	0.022	ppbv #	81
13) Ethanol	3.67	45	103677	7.380	ppbv	99
15) Acetone	3.92	43	97009	0.688	ppbv	99
19) Isopropyl Alcohol	4.06	45	58194	0.579	ppbv #	95
20) Methylene Chloride	4.43	84	25624	0.358	ppbv	90
25) Ethyl Acetate	5.80	43	27759	0.086	ppbv #	86
26) Hexane	5.80	57	30924	0.201	ppbv #	43
30) Cyclohexane	7.29	84	4450	0.037	ppbv #	1
39) 1,2-Dichloropropane	7.30	63	938384	7.971	ppbv #	25
53) Toluene	9.96	91	44200	0.126	ppbv	95

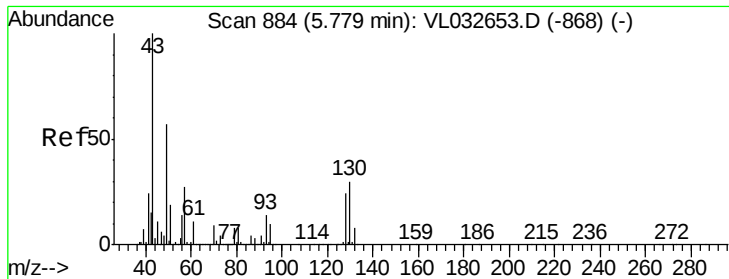
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL032674.D

Acq: 19 Oct 2018 8:20

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

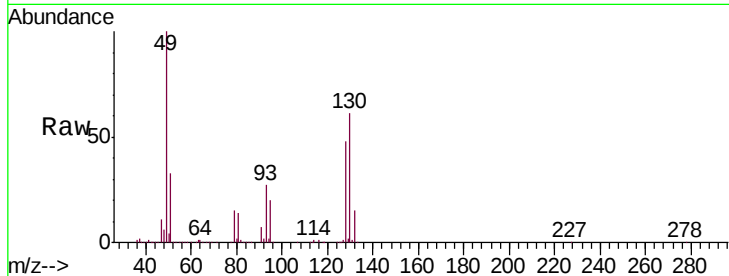
Tgt Ion: 49 Resp: 1527261

Ion Ratio Lower Upper

49 100

128 48.3 22.3 66.8

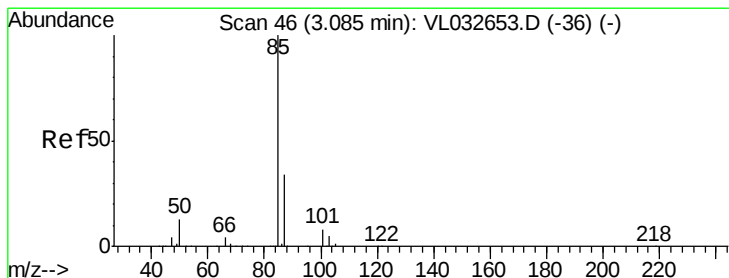
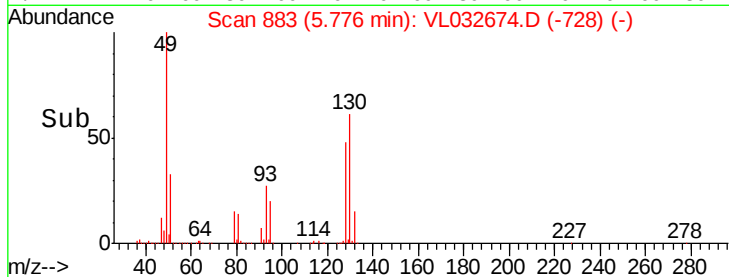
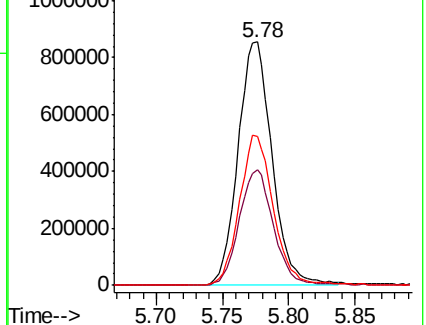
130 61.7 28.4 85.3



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: 0.152 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032674.D

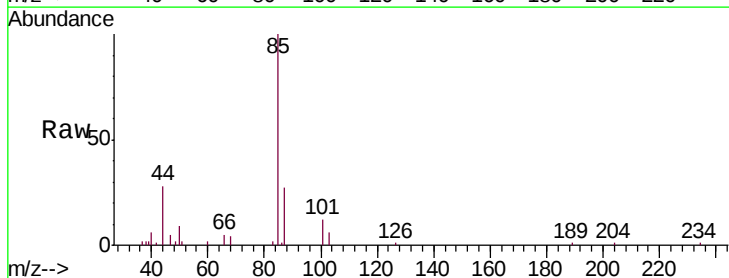
Acq: 19 Oct 2018 8:20

Tgt Ion: 85 Resp: 23606

Ion Ratio Lower Upper

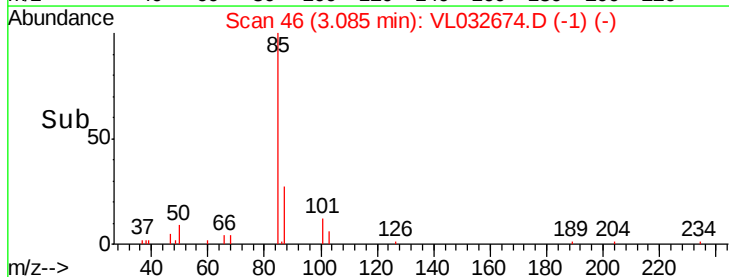
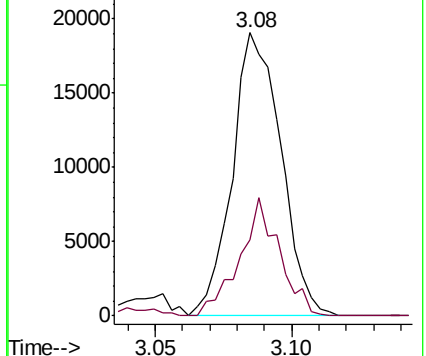
85 100

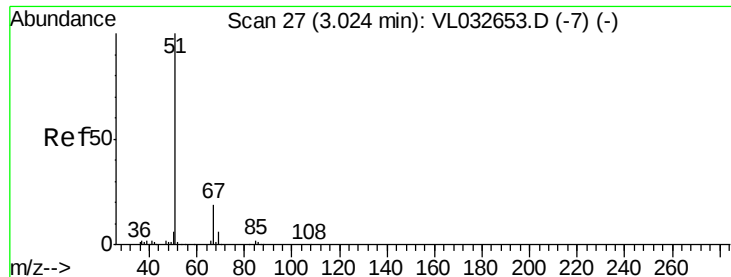
87 27.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

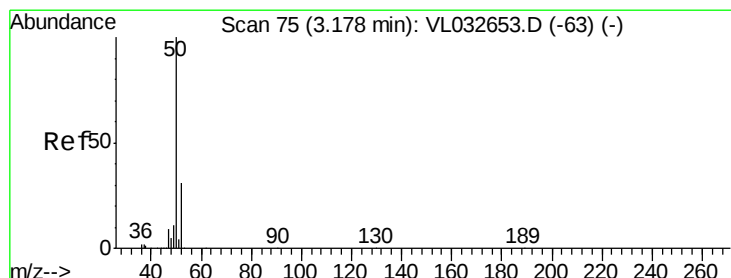
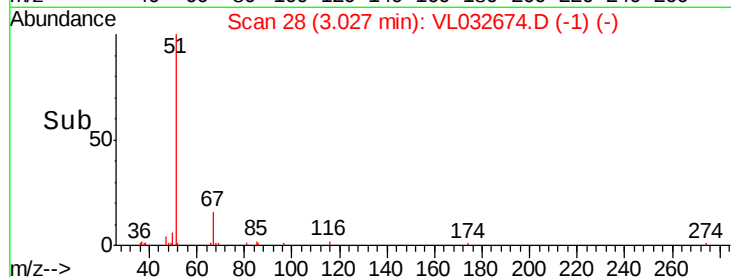
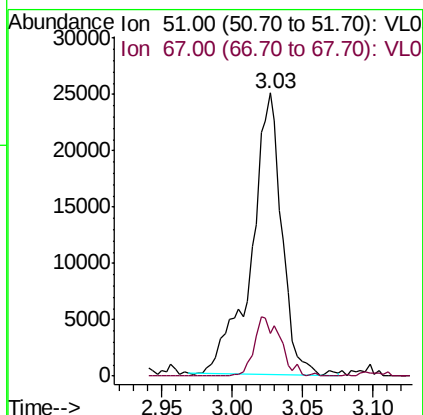
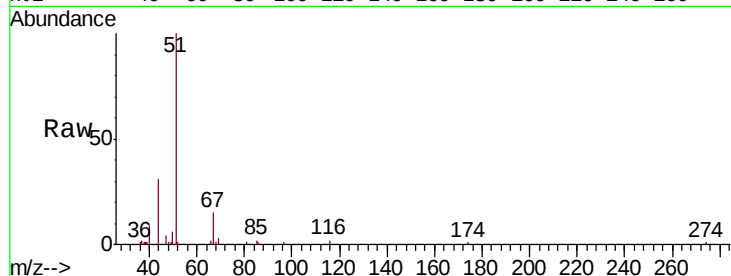




#3
Chlorodifluoromethane
Concen: 0.314 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

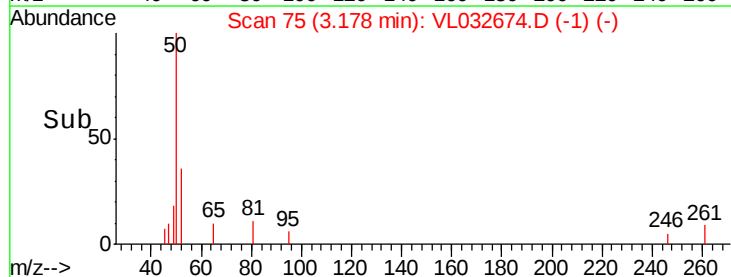
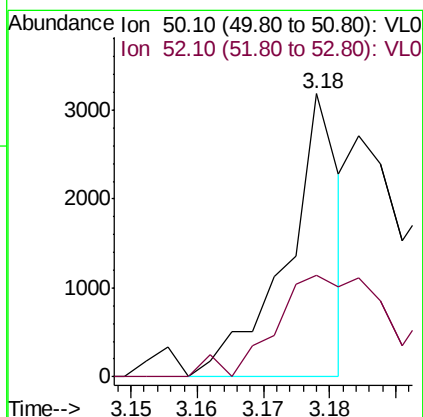
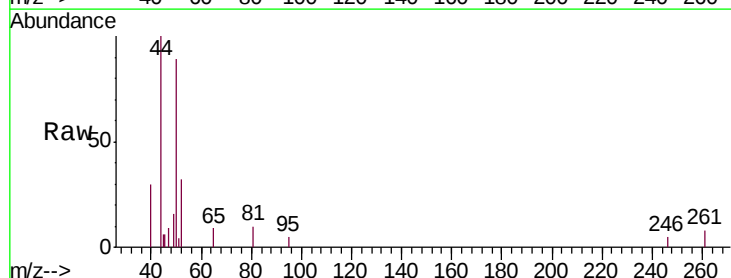
Instrument :
MSVOA_L
ClientSampled :
A-3DL

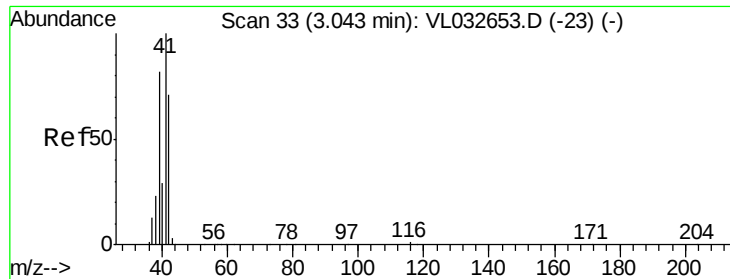
Tgt Ion: 51 Resp: 37517
Ion Ratio Lower Upper
51 100
67 18.4 15.2 22.8



#4
Chloromethane
Concen: 0.026 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Tgt Ion: 50 Resp: 1761
Ion Ratio Lower Upper
50 100
52 35.7 25.9 38.9





#9

Propene

Concen: 0.065 ppbv

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL032674.D

Acq: 19 Oct 2018 8:20

Instrument :

MSVOA_L

ClientSampleId :

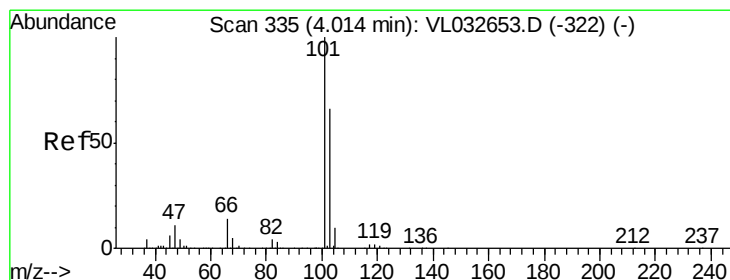
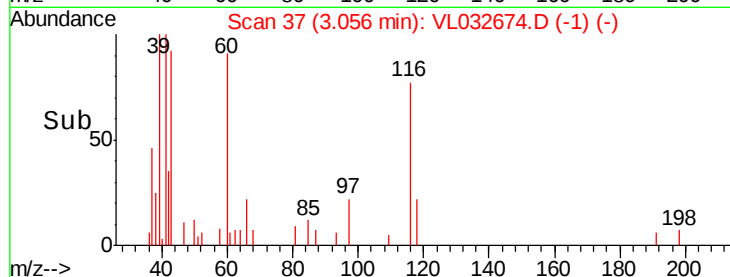
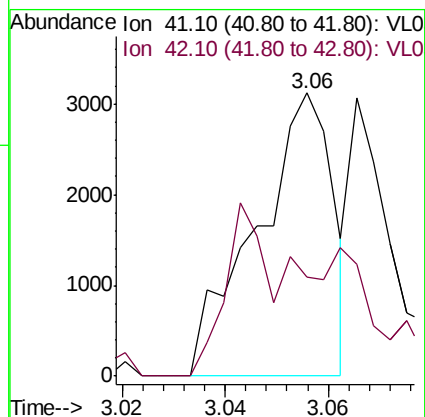
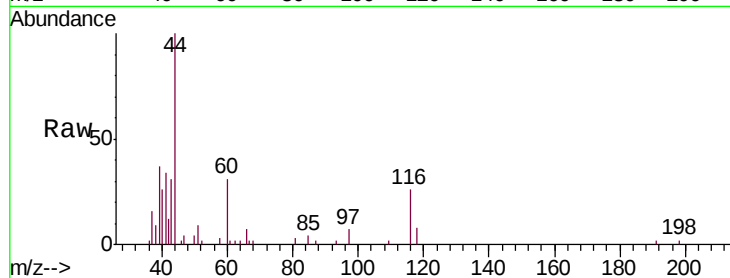
A-3DL

Tgt Ion: 41 Resp: 3215

Ion Ratio Lower Upper

41 100

42 91.5 55.4 83.0#



#11

Trichlorofluoromethane

Concen: 0.022 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL032674.D

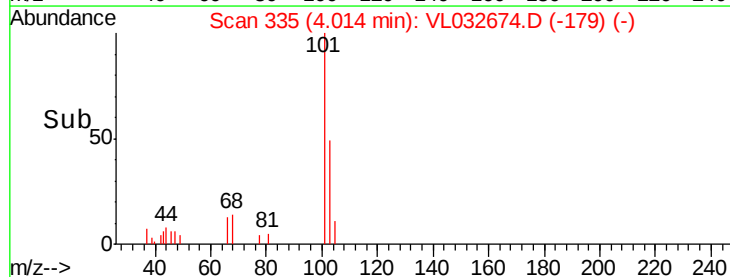
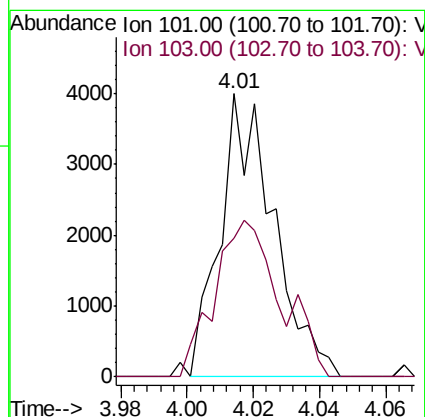
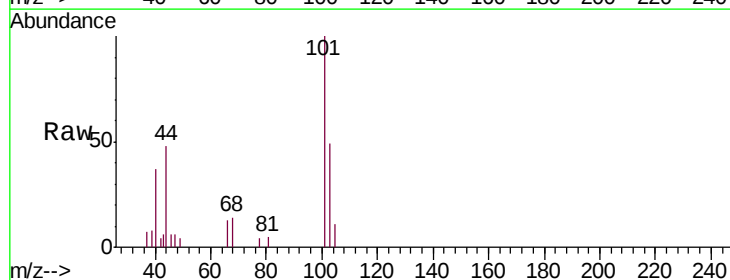
Acq: 19 Oct 2018 8:20

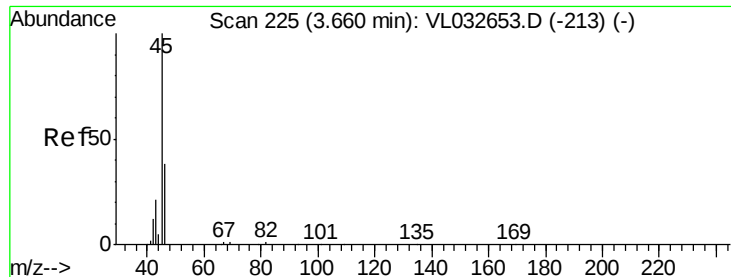
Tgt Ion: 101 Resp: 4471

Ion Ratio Lower Upper

101 100

103 49.0 51.4 77.2#





#13

Ethanol

Concen: 7.380 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.01 min

Lab File: VL032674.D

Acq: 19 Oct 2018 8:20

Instrument :

MSVOA_L

ClientSampleId :

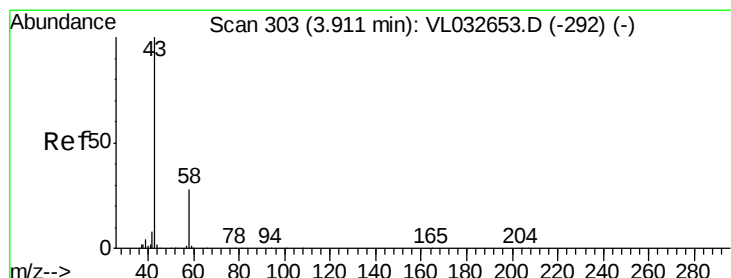
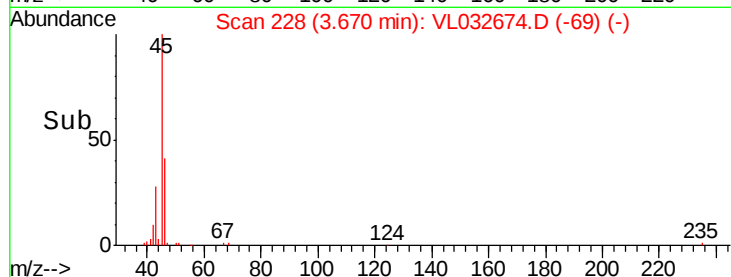
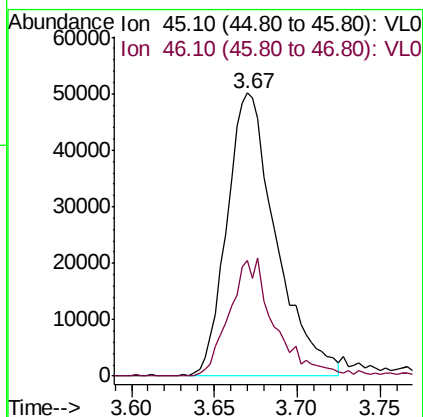
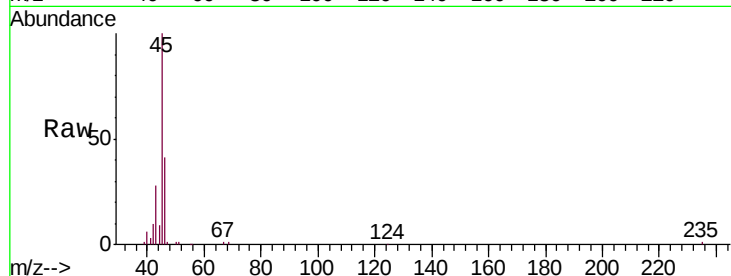
A-3DL

Tgt Ion: 45 Resp: 103677

Ion Ratio Lower Upper

45 100

46 39.2 15.4 61.8



#15

Acetone

Concen: 0.688 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032674.D

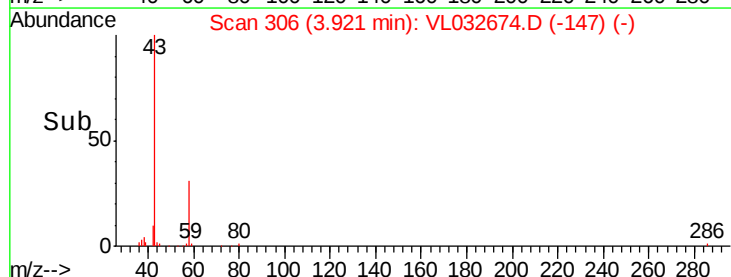
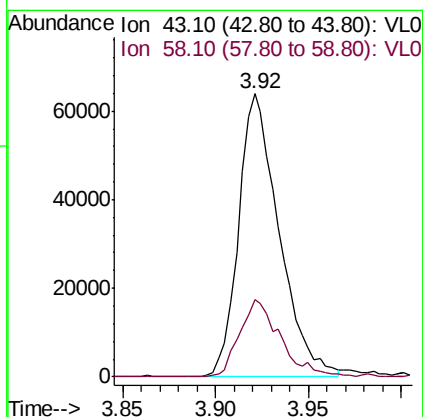
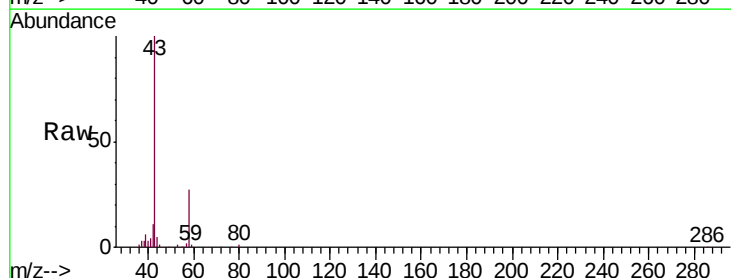
Acq: 19 Oct 2018 8:20

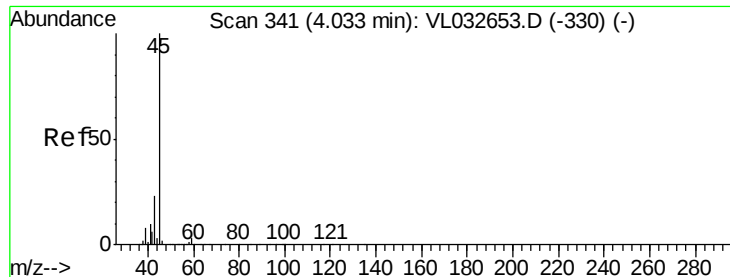
Tgt Ion: 43 Resp: 97009

Ion Ratio Lower Upper

43 100

58 27.9 22.1 33.1

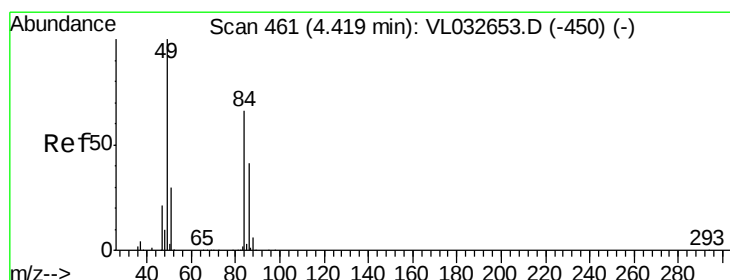
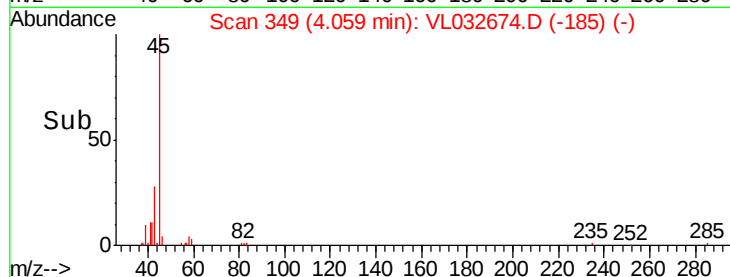
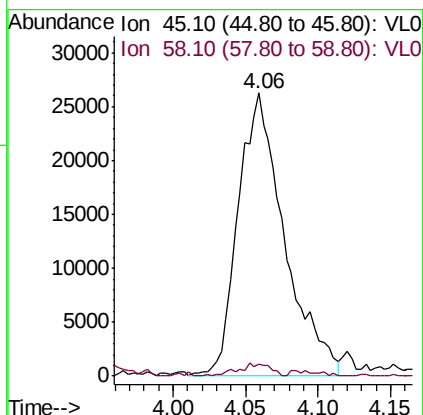
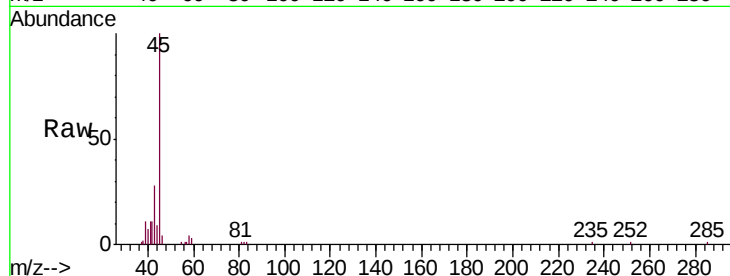




#19
Isopropyl Alcohol
Concen: 0.579 ppbv
RT: 4.06 min Scan# 349
Delta R.T. 0.03 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

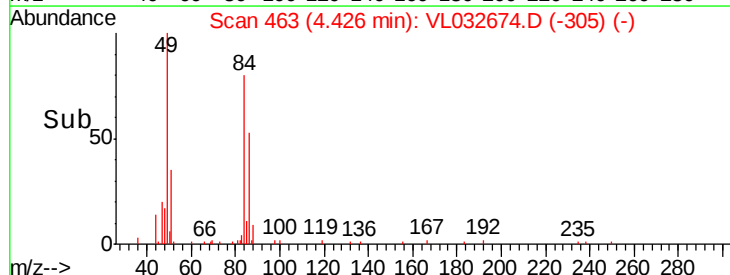
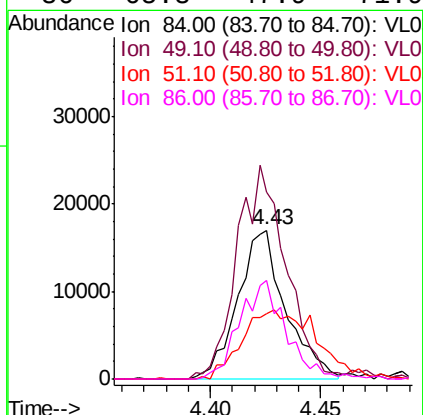
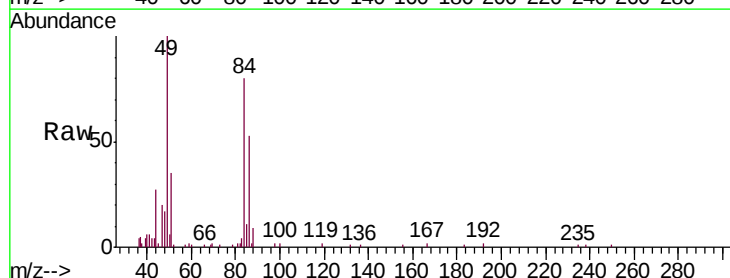
Instrument :
MSVOA_L
ClientSampleId :
A-3DL

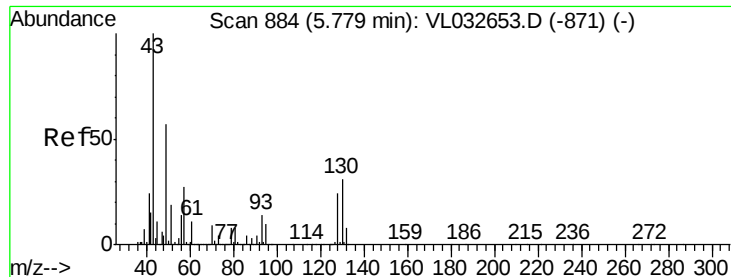
Tgt Ion: 45 Resp: 58194
Ion Ratio Lower Upper
45 100
58 4.3 2.0 3.0#



#20
Methylene Chloride
Concen: 0.358 ppbv
RT: 4.43 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Tgt Ion: 84 Resp: 25624
Ion Ratio Lower Upper
84 100
49 125.0 113.5 170.3
51 44.0 34.8 52.2
86 65.8 47.9 71.9

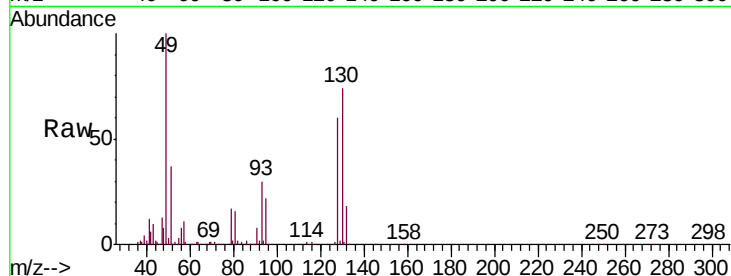




#25
Ethyl Acetate
Concen: 0.086 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.02 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Instrument :
MSVOA_L
ClientSampleId :
A-3DL

Tgt Ion:	43	Resp:	27759
Ion	Ratio	Lower	Upper
43	100		
45	5.9	8.0	12.0#
61	1.4	8.0	12.0#
70	4.8	5.9	8.9#



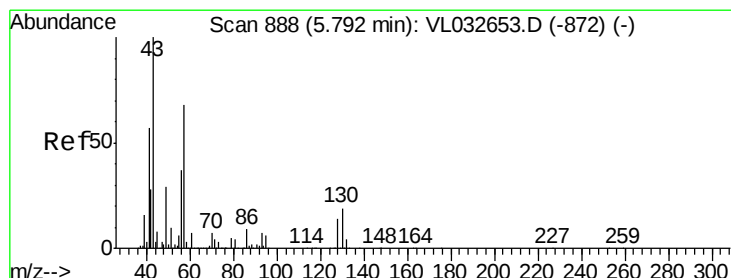
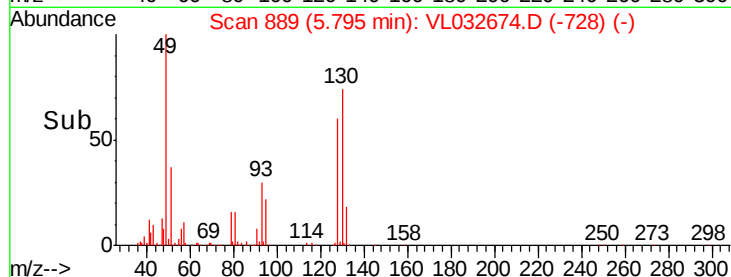
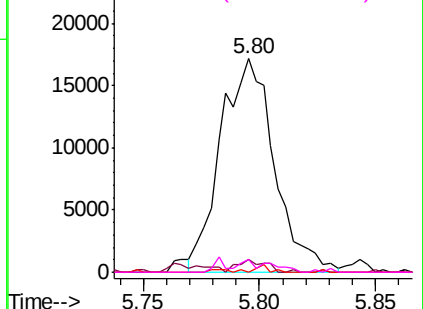
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

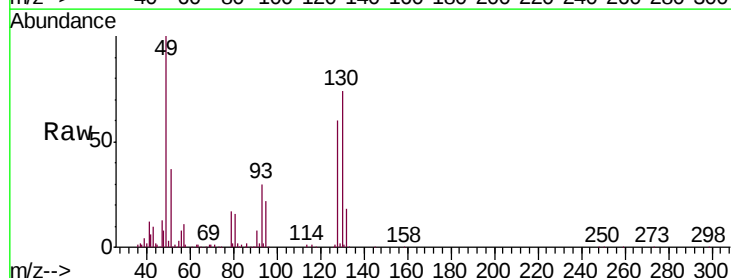
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.201 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Tgt Ion:	57	Resp:	30924
Ion	Ratio	Lower	Upper
57	100		
41	114.0	67.4	101.0#
43	93.5	171.9	257.9#
56	66.0	42.6	63.8#



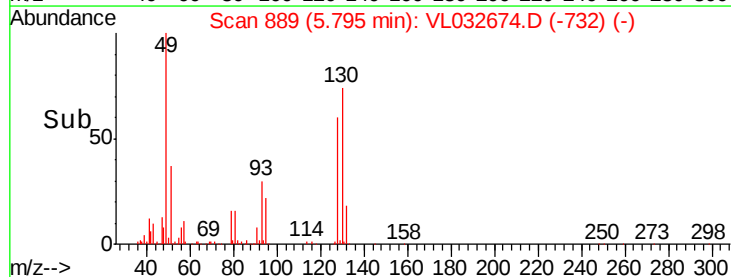
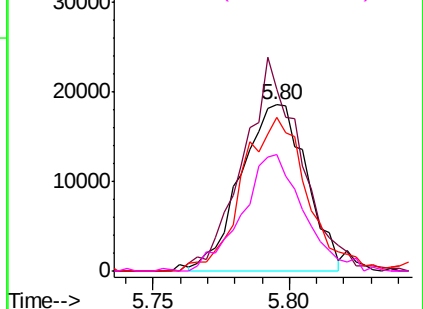
Abundance

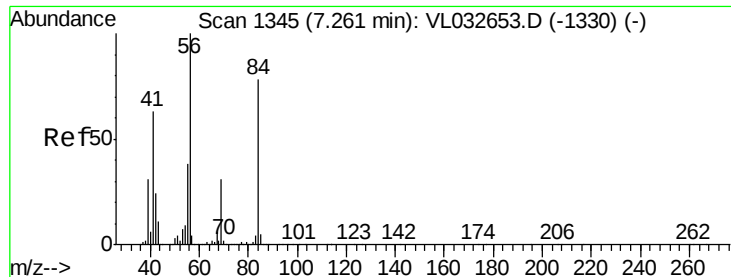
Ion 57.10 (56.80 to 57.80): VL0

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

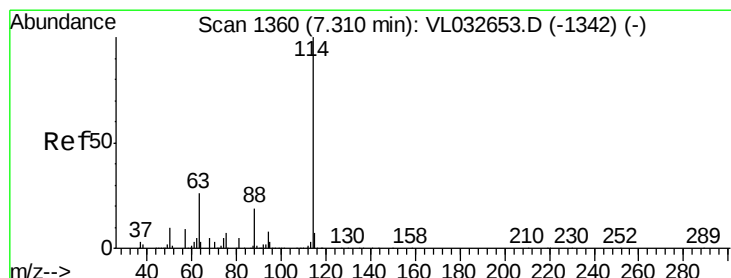
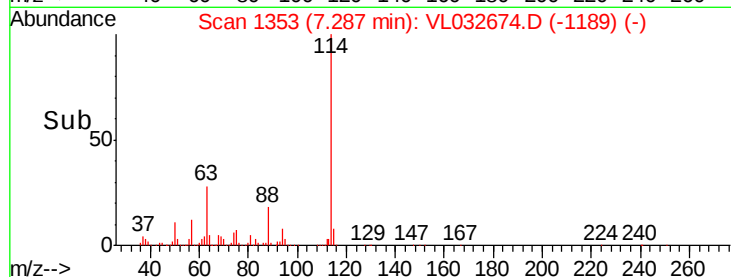
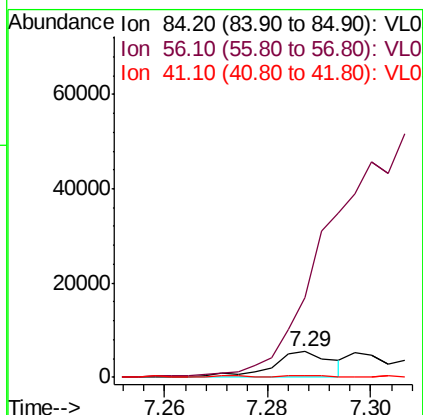
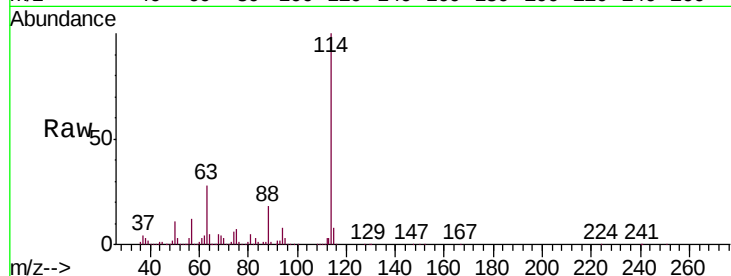




#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

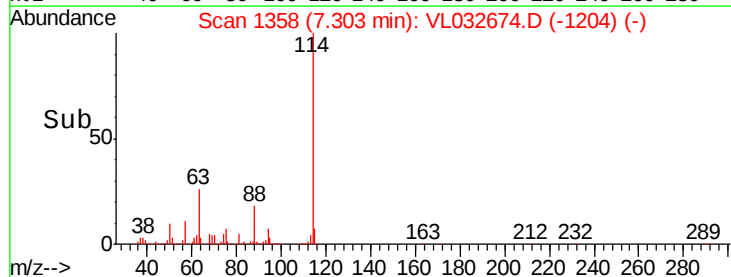
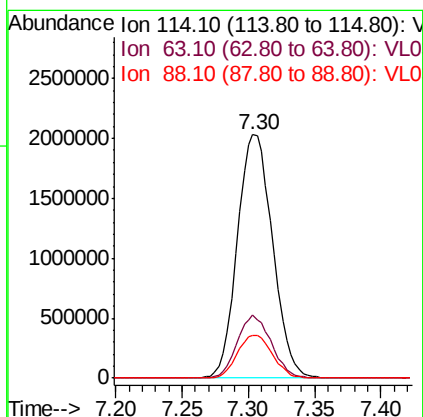
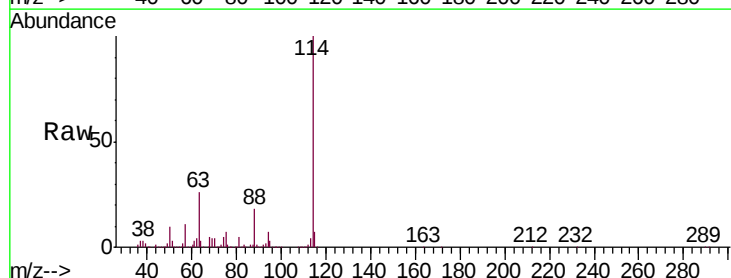
Instrument :
MSVOA_L
ClientSampleId :
A-3DL

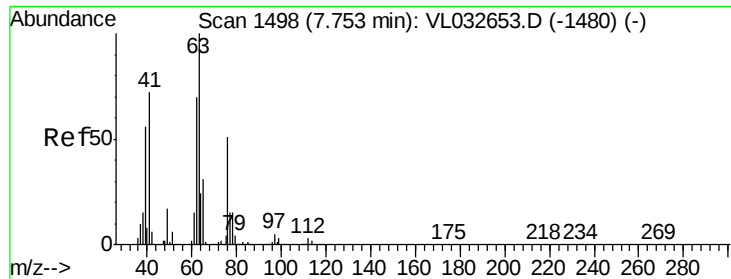
Tgt Ion: 84 Resp: 4450
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 7.2 64.8 97.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Tgt Ion: 114 Resp: 3754272
Ion Ratio Lower Upper
114 100
63 25.1 21.7 32.5
88 17.7 14.9 22.3





#39

1,2-Dichloropropane

Concen: 7.971 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032674.D

Acq: 19 Oct 2018 8:20

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

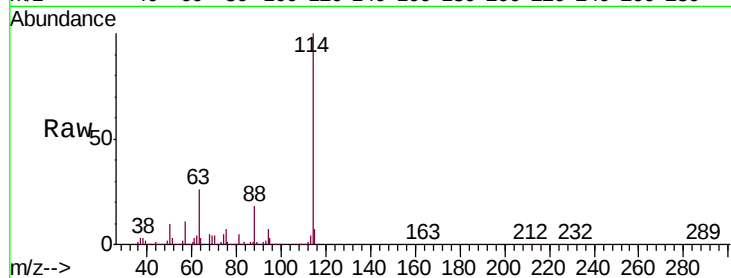
Tgt Ion: 63 Resp: 938384

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

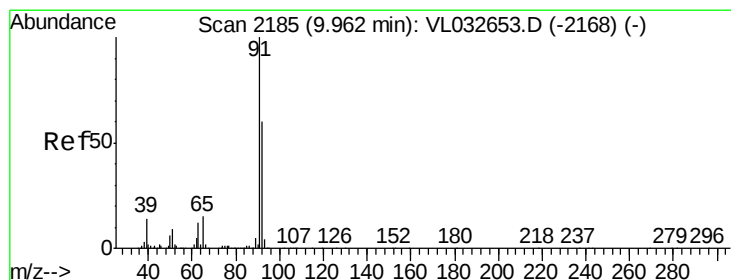
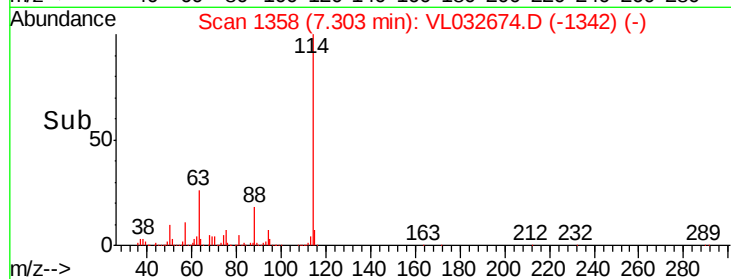
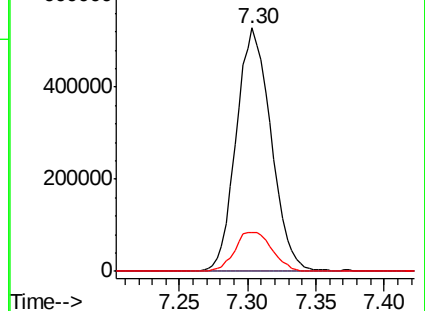
62 15.7 54.4 81.6#



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: 0.126 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL032674.D

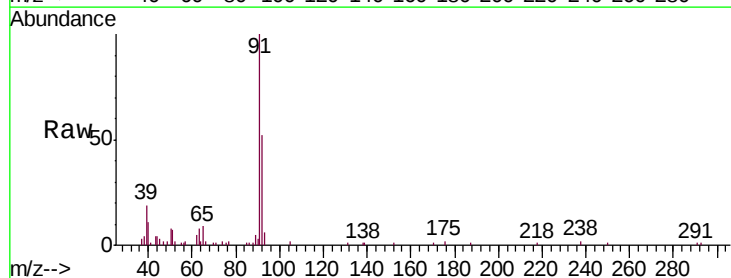
Acq: 19 Oct 2018 8:20

Tgt Ion: 91 Resp: 44200

Ion Ratio Lower Upper

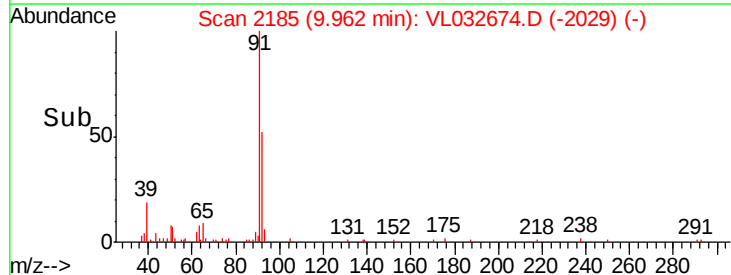
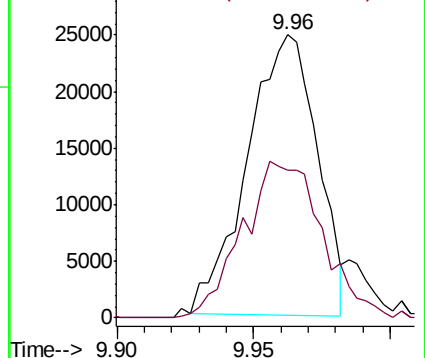
91 100

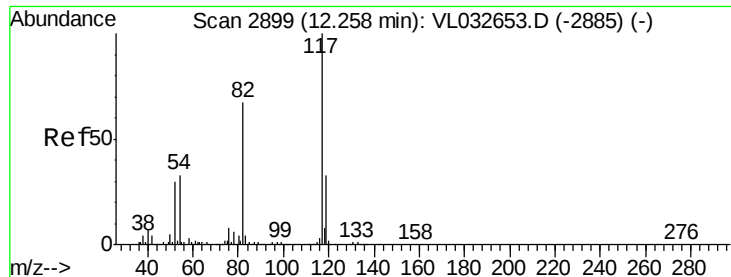
92 64.3 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

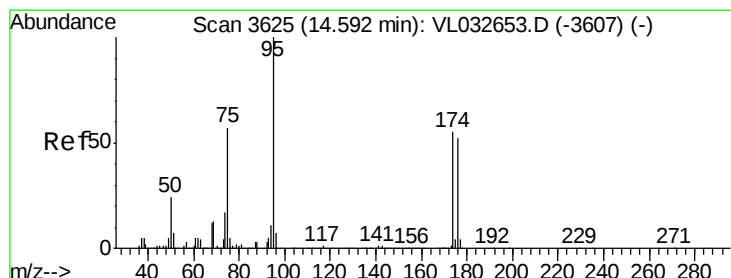
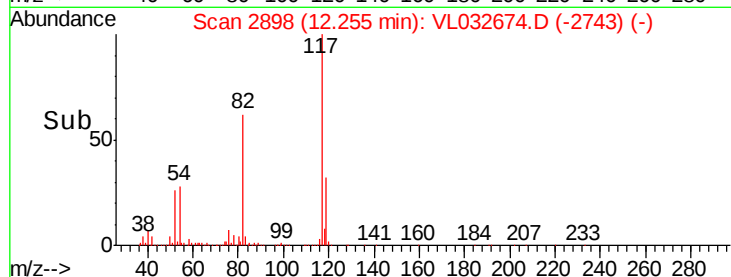
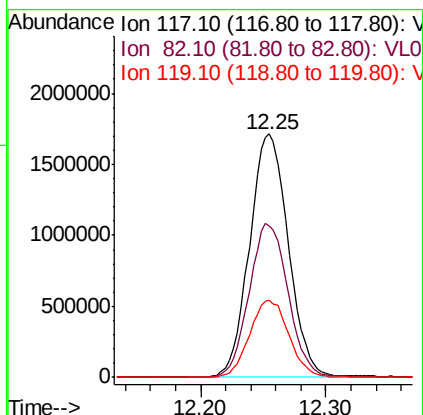
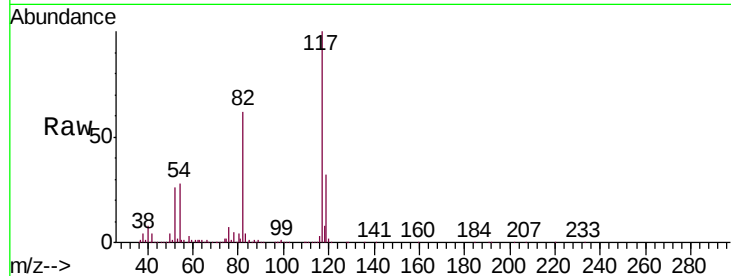




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Instrument :
MSVOA_L
ClientSampleId :
A-3DL

Tgt Ion: 117 Resp: 3682833
Ion Ratio Lower Upper
117 100
82 64.3 52.7 79.1
119 32.1 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.785 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Tgt Ion: 95 Resp: 2683095
Ion Ratio Lower Upper
95 100
174 64.8 46.0 69.0
175 4.7 3.4 5.0

