

Data File : VL033545.D
Acq On : 4 Apr 2019 22:55
Operator : SY/AP
Sample : K2096-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-5DL

Quant Time: Apr 05 02:00:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1149834	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2774993	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2730700	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.57 95 2175837 10.16 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.60%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.08	85	17080	0.102	ppbv #	86
3) Chlorodifluoromethane	2.99	51	30538	0.231	ppbv #	67
8) Dichlorotetrafluoroethane	3.08	85	17080	0.096	ppbv #	16
9) Propene	3.05	41	52708	0.948	ppbv #	64
10) Heptane	8.24	43	29168	0.196	ppbv #	76
13) Ethanol	3.65	45	151441	10.527	ppbv	67
15) Acetone	3.90	43	426003	3.081	ppbv	98
17) tert-Butyl alcohol	4.38	59	6372	0.251	ppbv #	73
19) Isopropyl Alcohol	4.04	45	47697	0.545	ppbv #	1
20) Methylene Chloride	4.41	84	43468	0.741	ppbv	93
25) Ethyl Acetate	5.77	43	12729	0.050	ppbv #	81
26) Hexane	5.78	57	36598	0.321	ppbv #	48
39) 1,2-Dichloropropane	7.29	63	736604	8.076	ppbv #	23
53) Toluene	9.94	91	63876	0.236	ppbv #	66

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

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MSVOA_L

ClientSampleId :

A-5DL

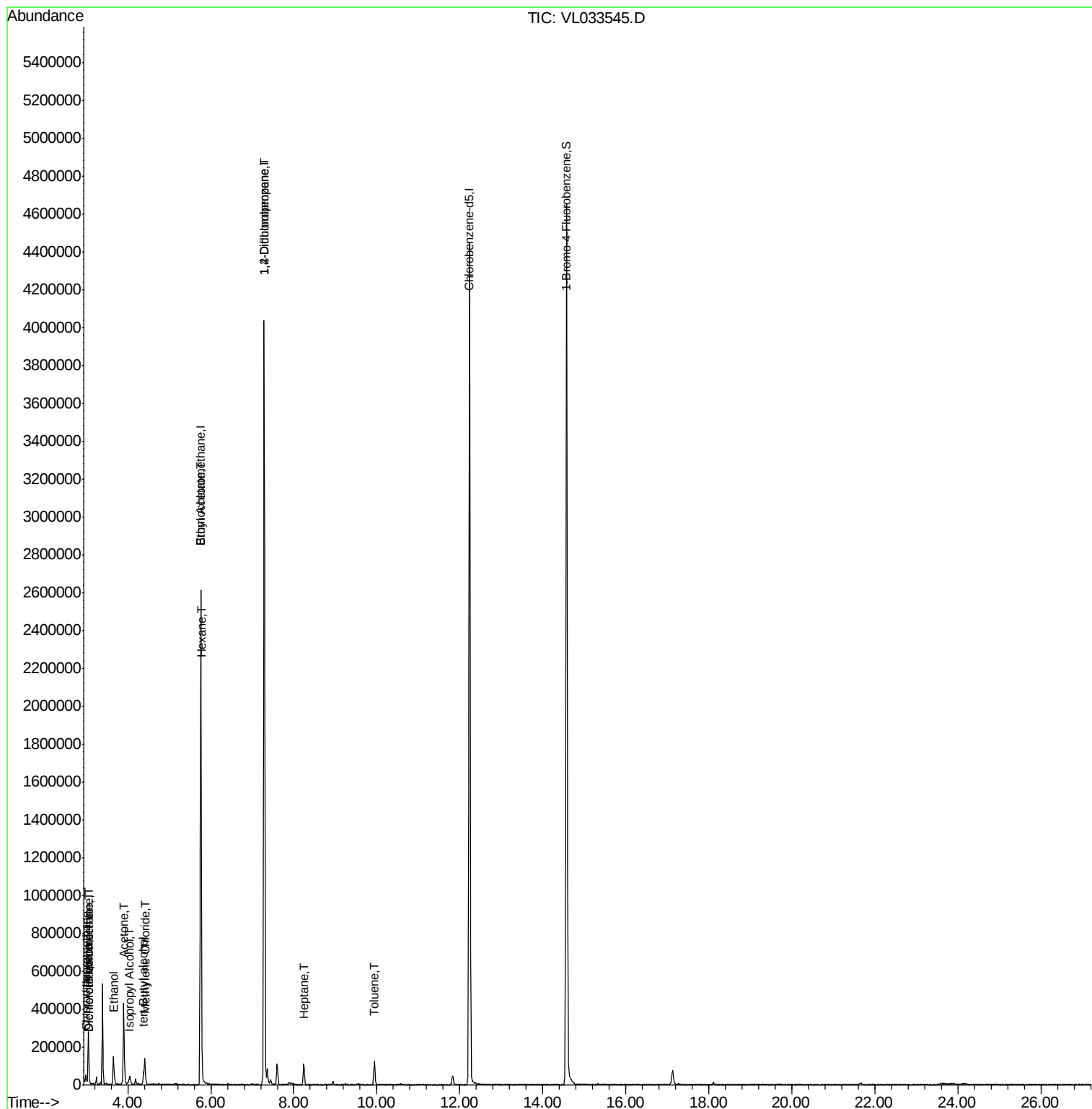
Quant Time: Apr 05 02:00:41 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampled :

A-5DL

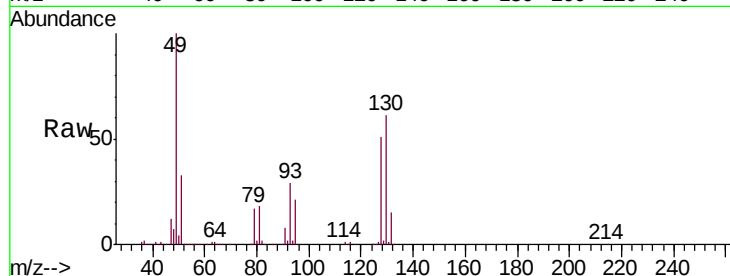
Tgt Ion: 49 Resp: 1149834

Ion Ratio Lower Upper

49 100

128 49.6 24.0 72.0

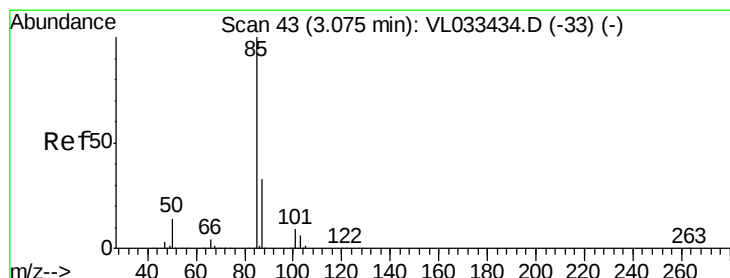
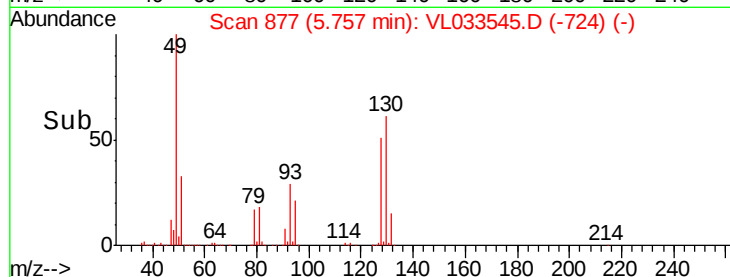
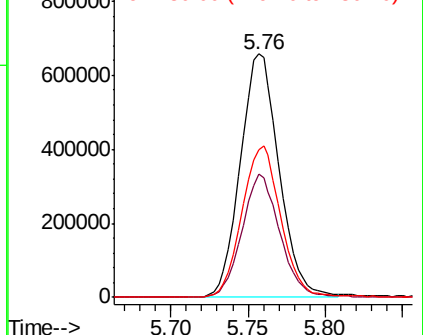
130 62.9 31.2 93.6



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: 0.102 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033545.D

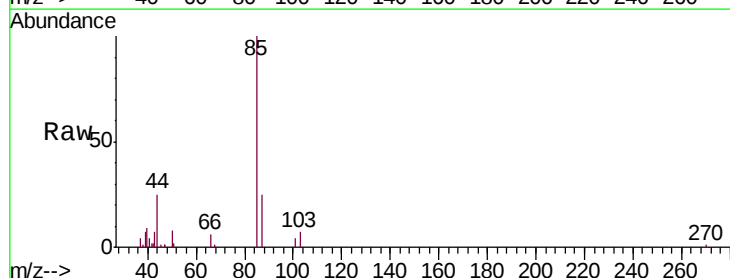
Acq: 4 Apr 2019 22:55

Tgt Ion: 85 Resp: 17080

Ion Ratio Lower Upper

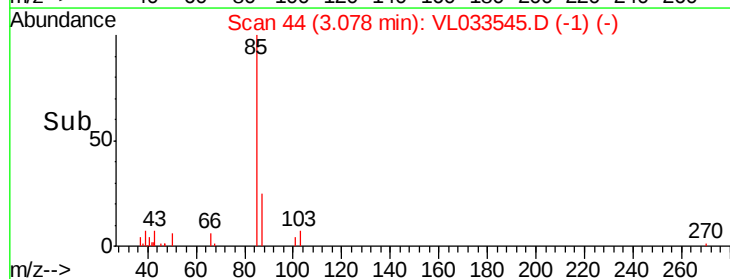
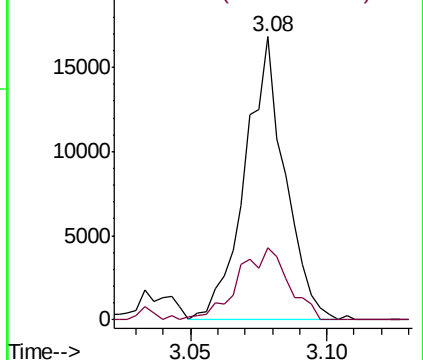
85 100

87 25.4 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

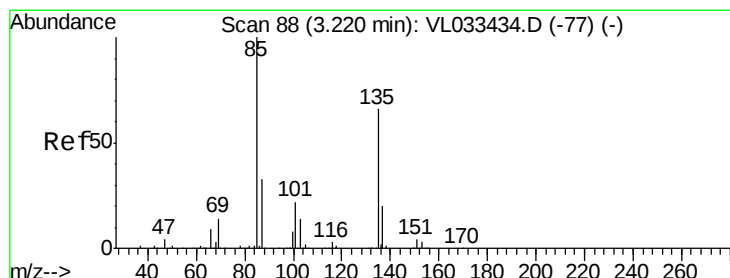
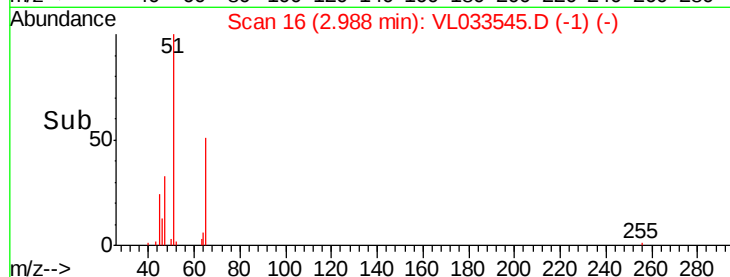
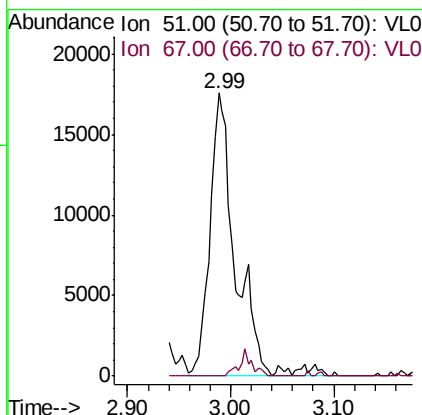
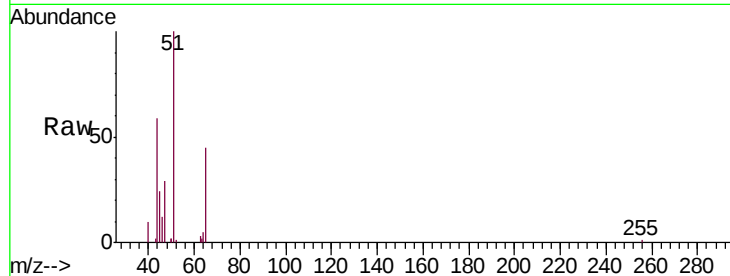




#3
 Chlorodifluoromethane
 Concen: 0.231 ppbv
 RT: 2.99 min Scan# 16
 Delta R.T. -0.03 min
 Lab File: VL033545.D
 Acq: 4 Apr 2019 22:55

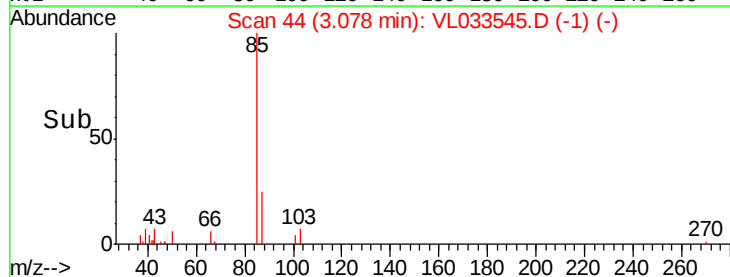
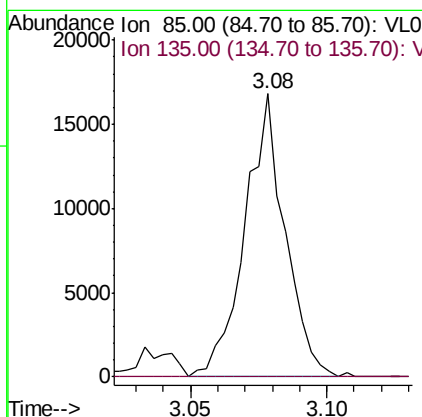
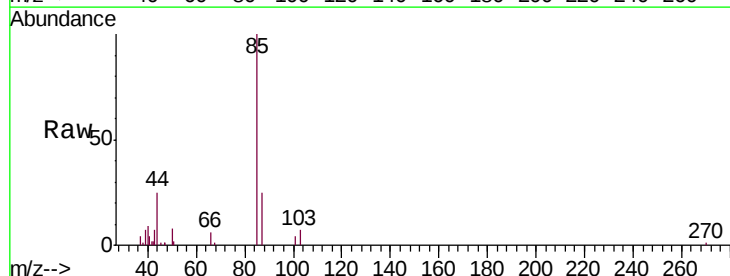
Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

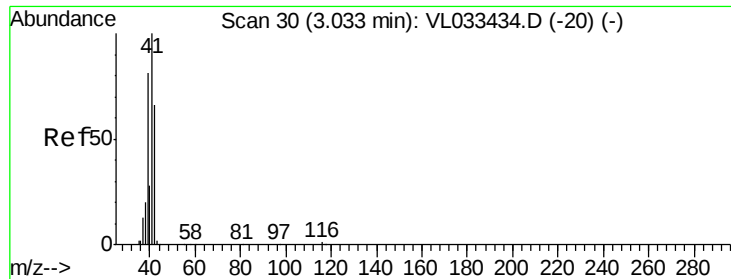
Tgt Ion: 51 Resp: 30538
 Ion Ratio Lower Upper
 51 100
 67 4.5 15.7 23.5#



#8
 Dichlorotetrafluoroethane
 Concen: 0.096 ppbv
 RT: 3.08 min Scan# 44
 Delta R.T. -0.14 min
 Lab File: VL033545.D
 Acq: 4 Apr 2019 22:55

Tgt Ion: 85 Resp: 17080
 Ion Ratio Lower Upper
 85 100
 135 0.0 54.0 81.0#





#9

Propene

Concen: 0.948 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.02 min

Lab File: VL033545.D

Acq: 4 Apr 2019 22:55

Instrument :

MSVOA_L

ClientSampleId :

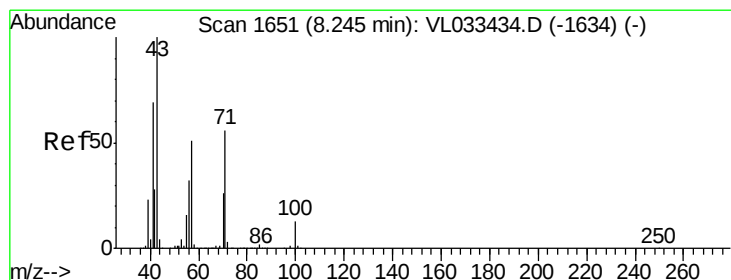
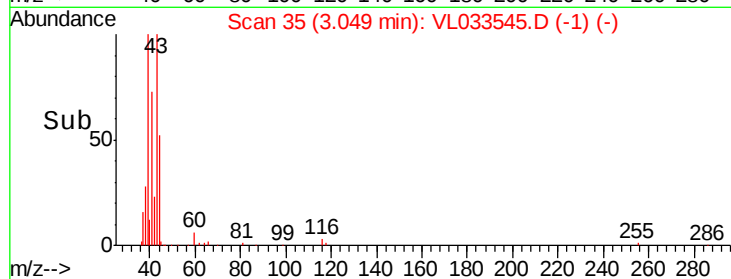
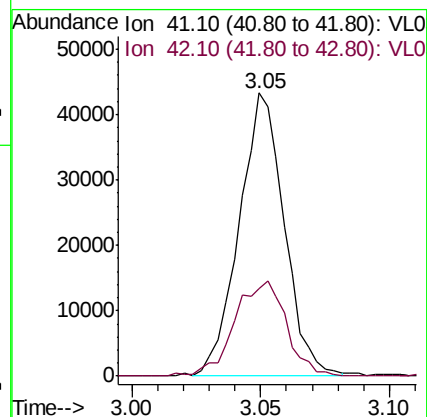
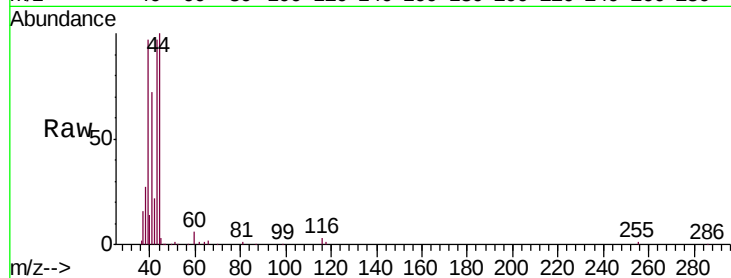
A-5DL

Tgt Ion: 41 Resp: 52708

Ion Ratio Lower Upper

41 100

42 38.5 53.9 80.9#



#10

Heptane

Concen: 0.196 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033545.D

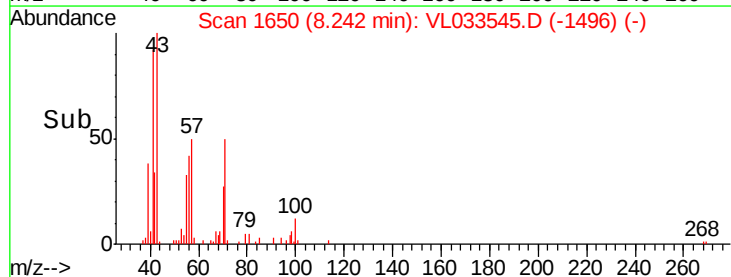
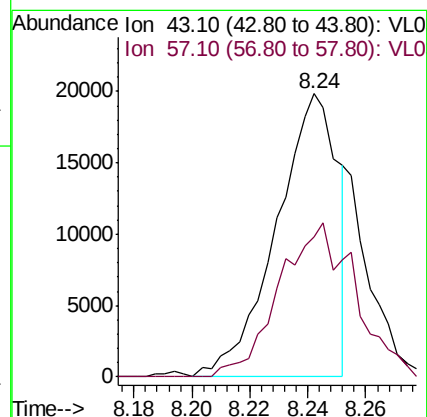
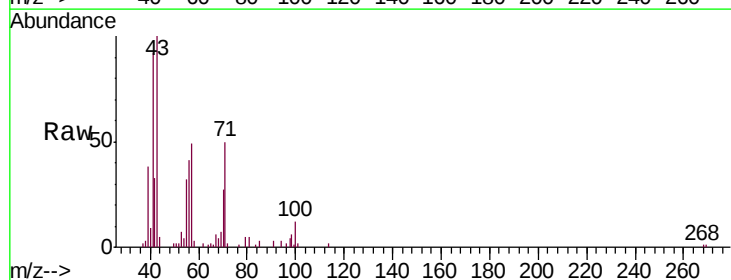
Acq: 4 Apr 2019 22:55

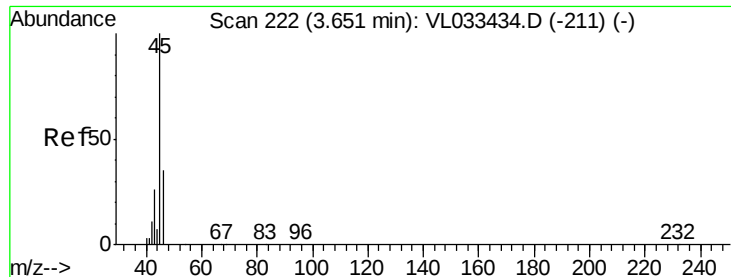
Tgt Ion: 43 Resp: 29168

Ion Ratio Lower Upper

43 100

57 67.1 40.6 60.8#

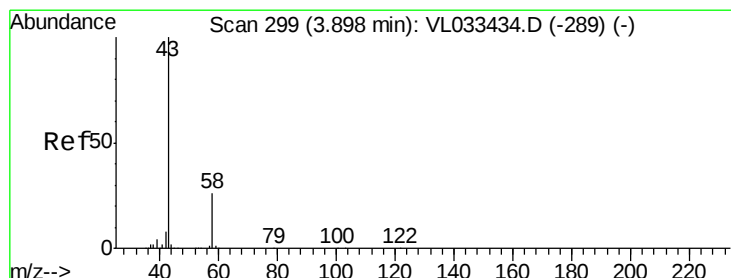
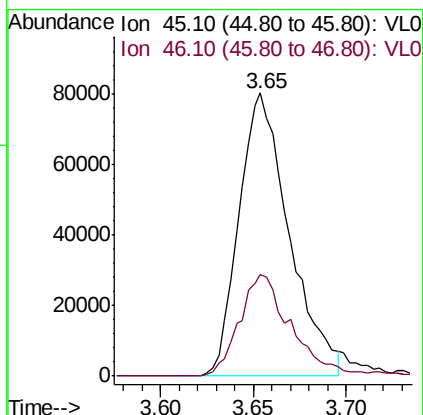
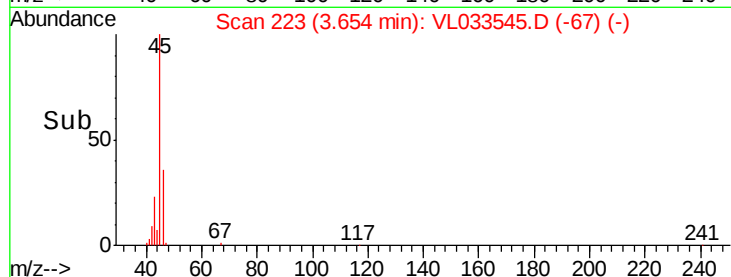
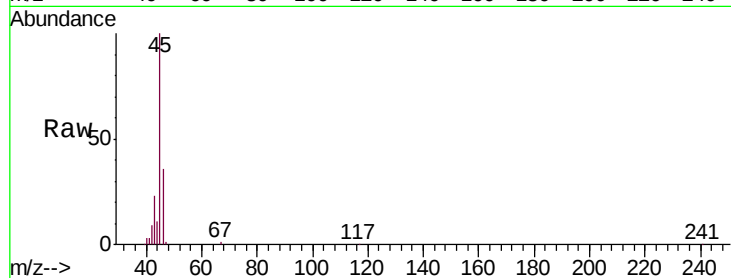




#13
Ethanol
Concen: 10.527 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

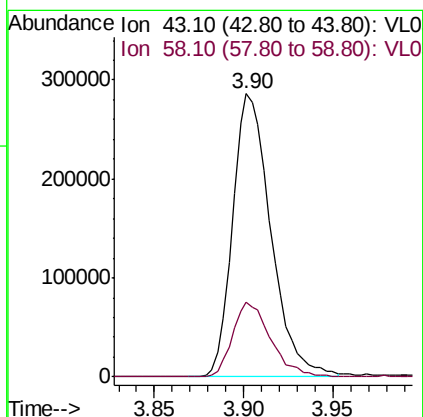
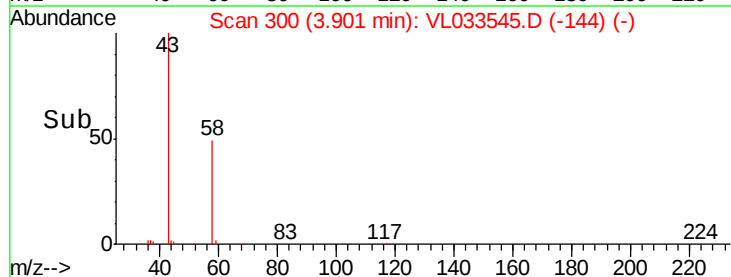
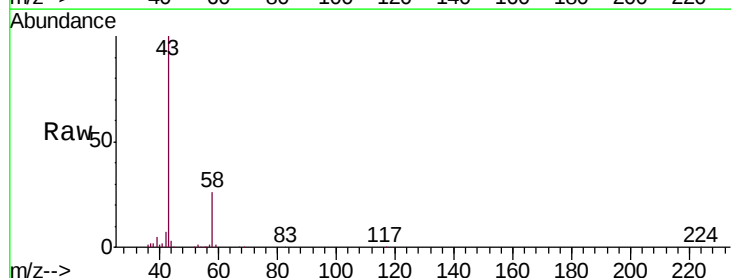
Instrument :
MSVOA_L
ClientSampleId :
A-5DL

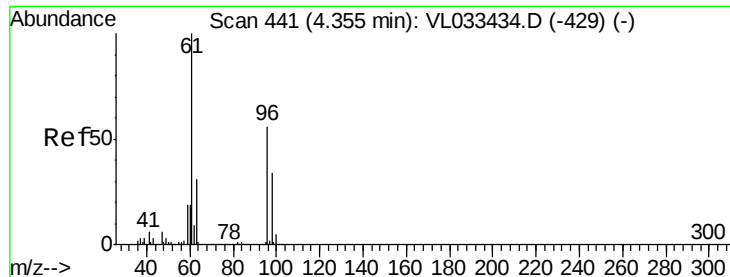
Tgt Ion: 45 Resp: 151441
Ion Ratio Lower Upper
45 100
46 37.6 25.4 101.8



#15
Acetone
Concen: 3.081 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

Tgt Ion: 43 Resp: 426003
Ion Ratio Lower Upper
43 100
58 26.8 20.5 30.7



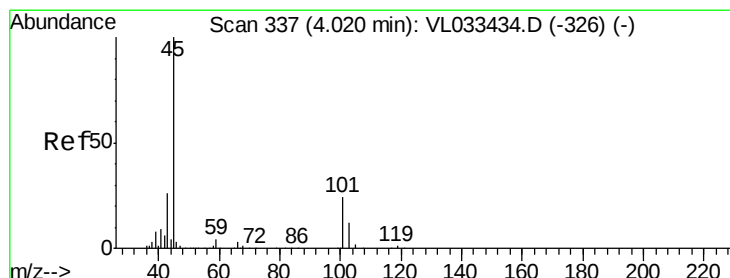
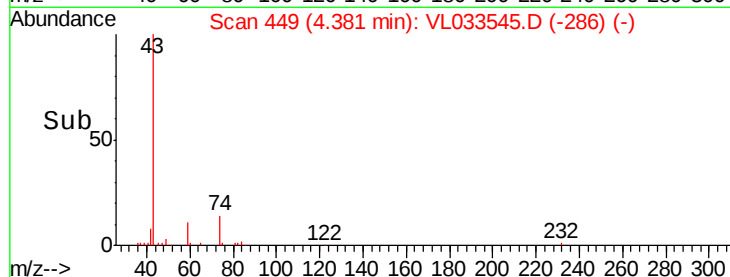
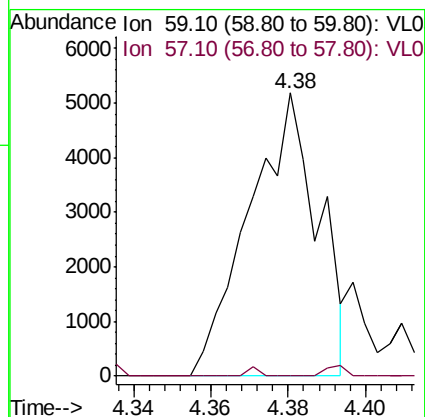
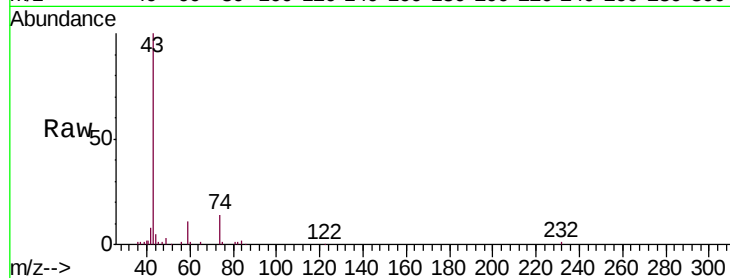


#17

tert-Butyl alcohol
 Concen: 0.251 ppbv
 RT: 4.38 min Scan# 449
 Delta R.T. 0.03 min
 Lab File: VL033545.D
 Acq: 4 Apr 2019 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

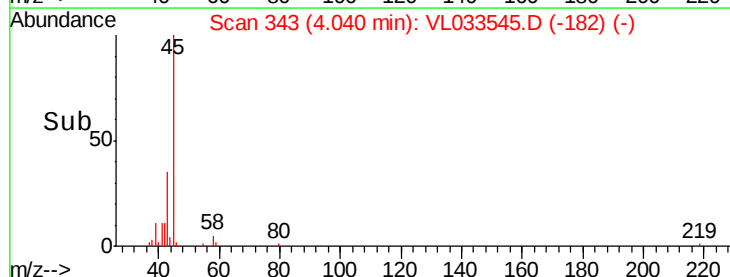
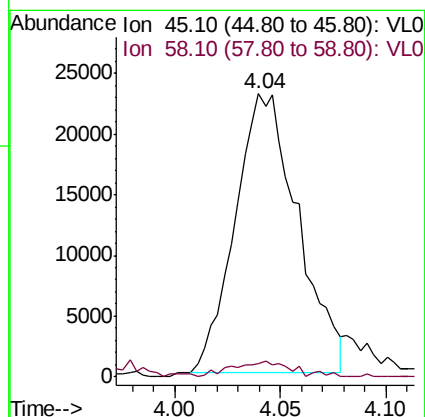
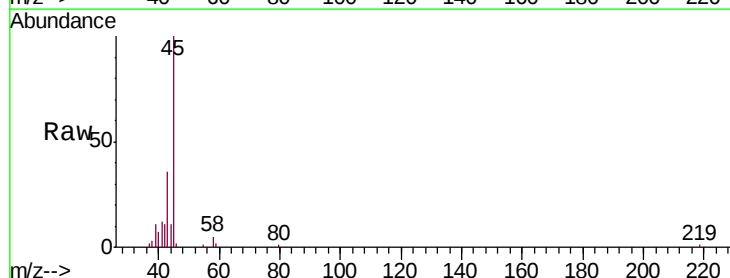
Tgt Ion: 59 Resp: 6372
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

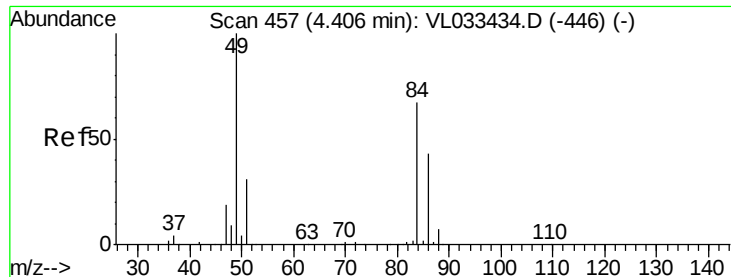


#19

Isopropyl Alcohol
 Concen: 0.545 ppbv
 RT: 4.04 min Scan# 343
 Delta R.T. 0.02 min
 Lab File: VL033545.D
 Acq: 4 Apr 2019 22:55

Tgt Ion: 45 Resp: 47697
 Ion Ratio Lower Upper
 45 100
 58 236.8 1.4 2.2#

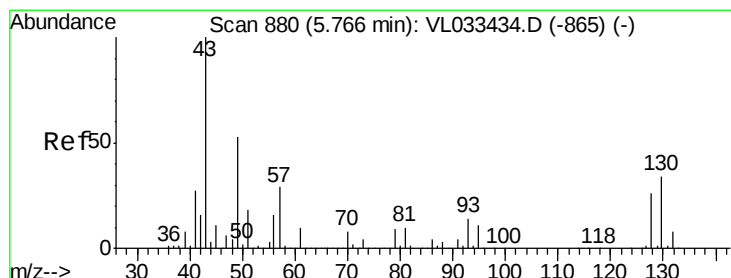
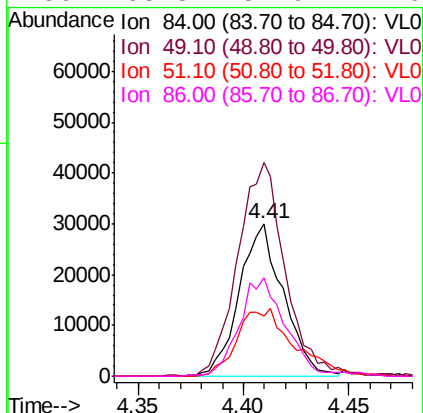
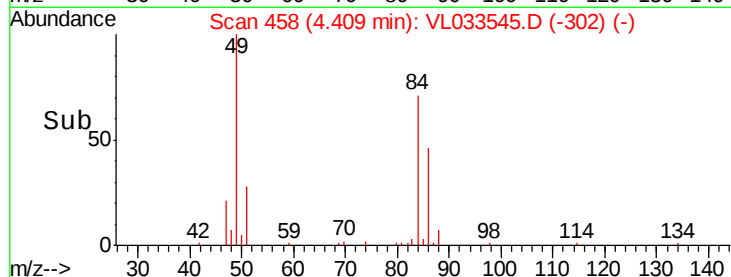
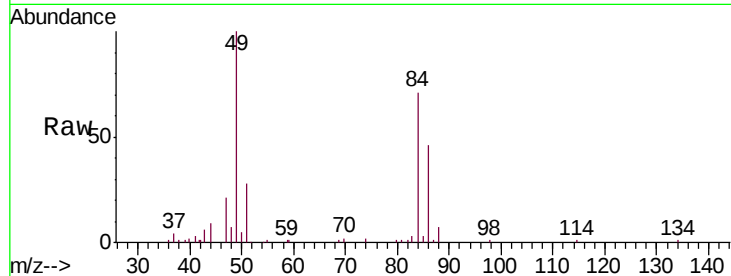




#20
Methylene Chloride
Concen: 0.741 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

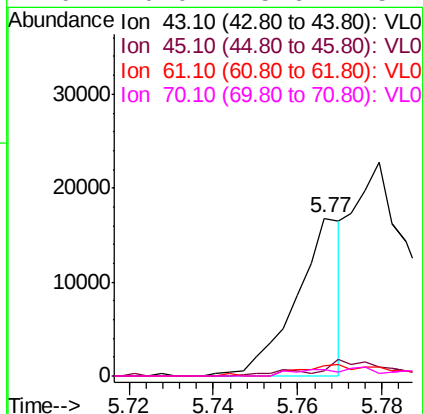
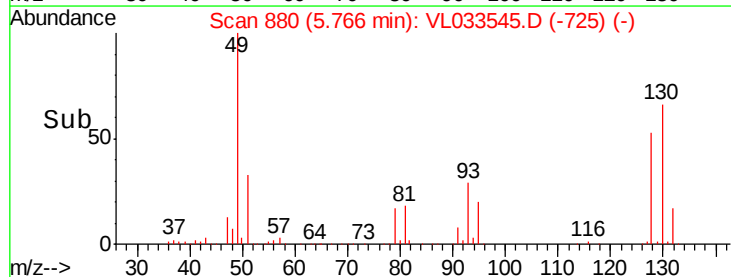
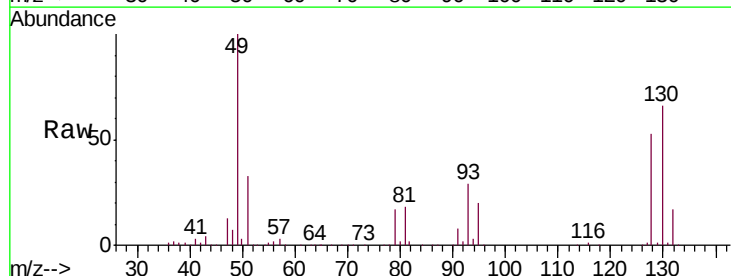
Instrument :
MSVOA_L
ClientSampleId :
A-5DL

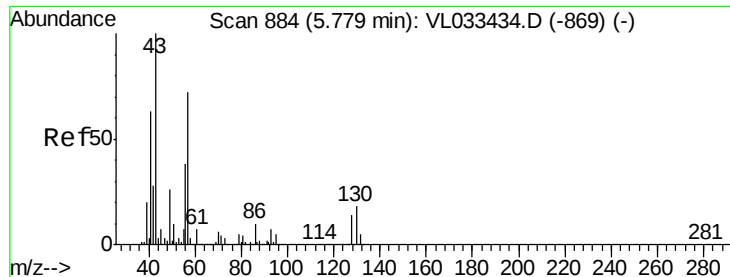
Tgt Ion: 84 Resp: 43468
Ion Ratio Lower Upper
84 100
49 138.7 120.0 180.0
51 39.8 36.7 55.1
86 63.3 51.9 77.9



#25
Ethyl Acetate
Concen: 0.050 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

Tgt Ion: 43 Resp: 12729
Ion Ratio Lower Upper
43 100
45 17.8 7.8 11.6#
61 14.5 7.3 10.9#
70 0.0 5.6 8.4#

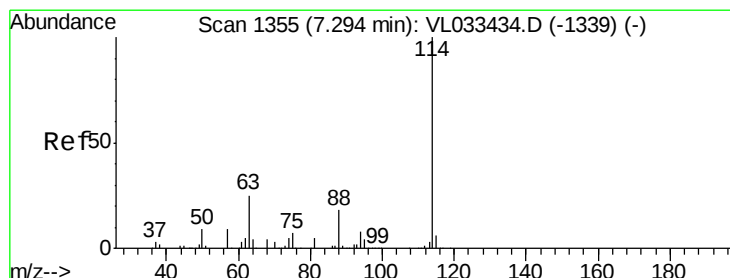
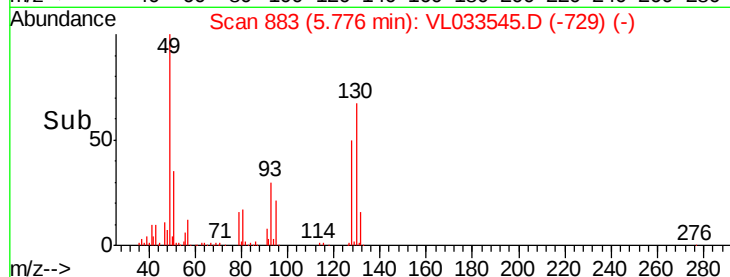
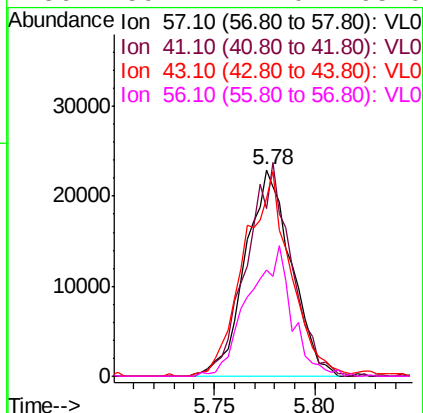
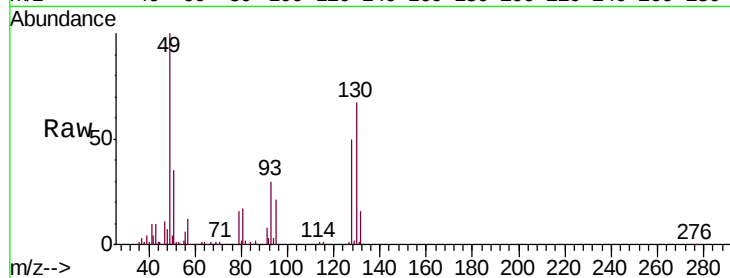




#26
Hexane
Concen: 0.321 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

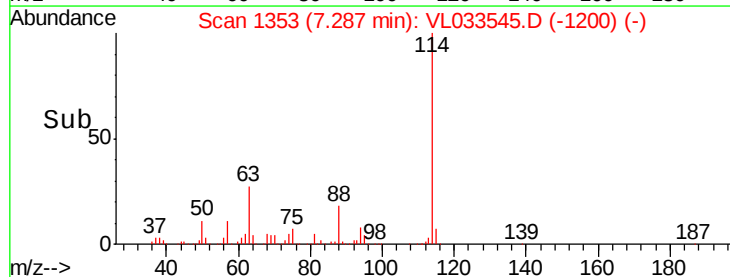
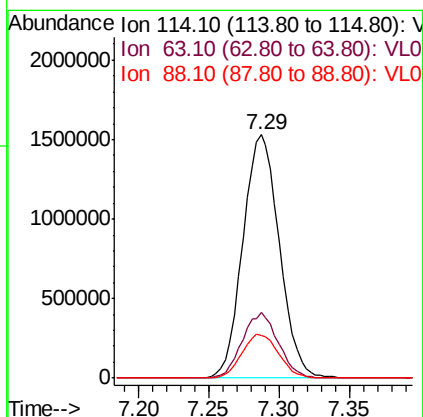
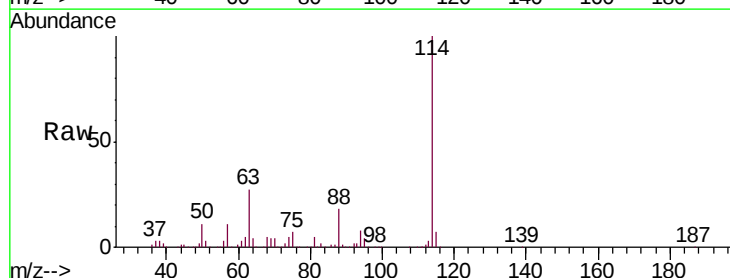
Instrument :
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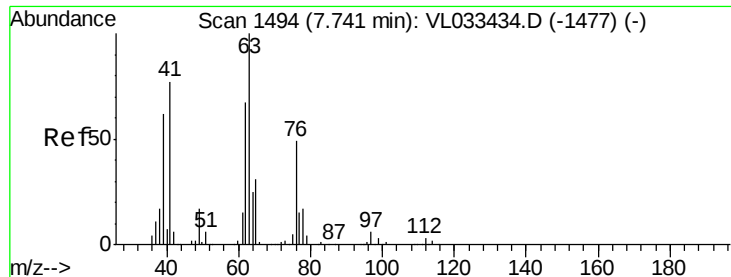
Tgt Ion: 57 Resp: 36598
Ion Ratio Lower Upper
57 100
41 101.1 70.7 106.1
43 102.3 182.6 274.0#
56 59.4 42.0 63.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

Tgt Ion: 114 Resp: 2774993
Ion Ratio Lower Upper
114 100
63 26.7 21.5 32.3
88 18.2 14.5 21.7

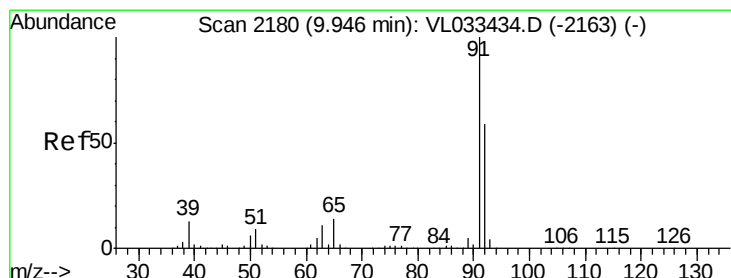
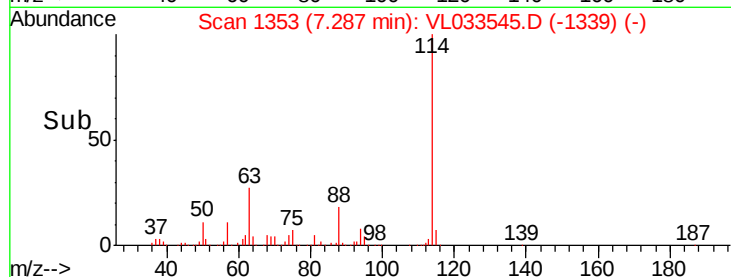
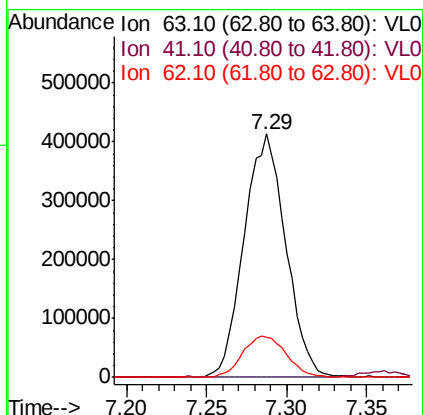
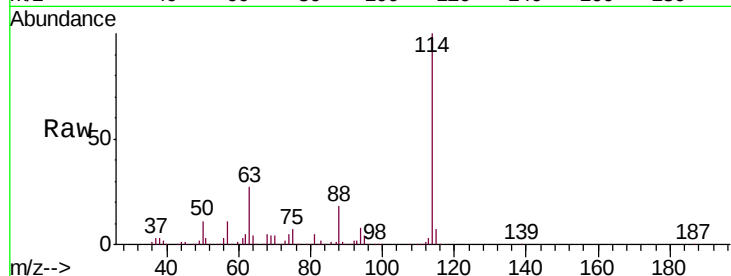




#39
 1,2-Dichloropropane
 Concen: 8.076 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033545.D
 Acq: 4 Apr 2019 22:55

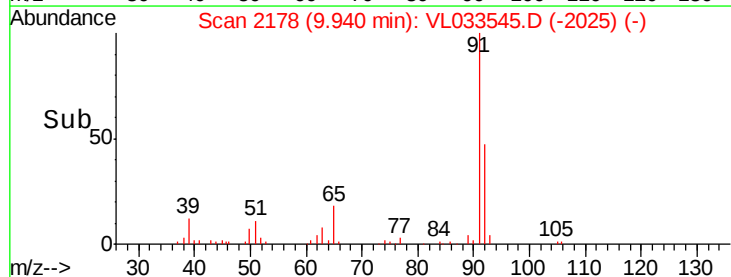
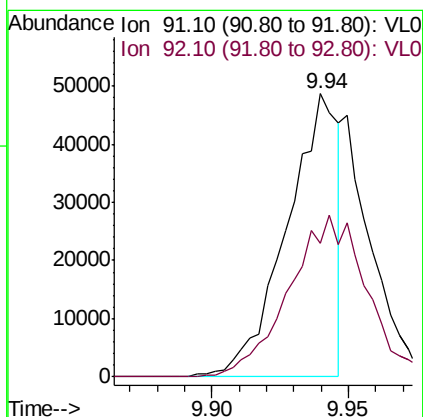
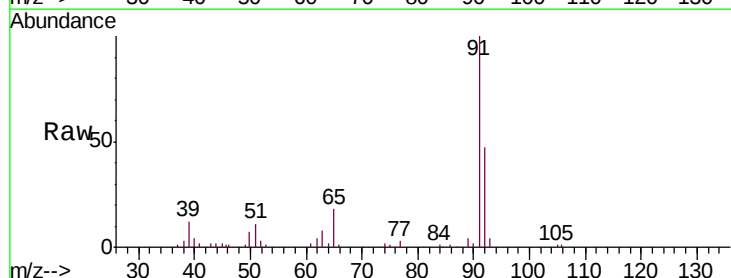
Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

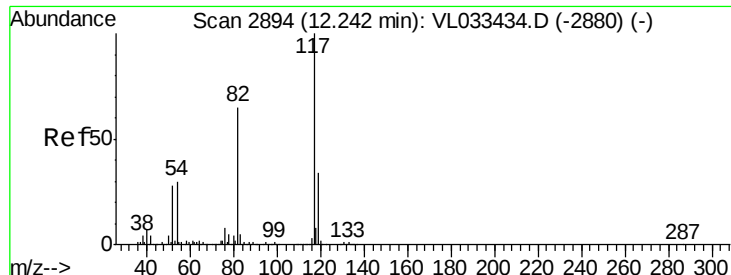
Tgt Ion: 63 Resp: 736604
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 16.7 54.0 81.0#



#53
 Toluene
 Concen: 0.236 ppbv
 RT: 9.94 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL033545.D
 Acq: 4 Apr 2019 22:55

Tgt Ion: 91 Resp: 63876
 Ion Ratio Lower Upper
 91 100
 92 85.1 47.4 71.0#

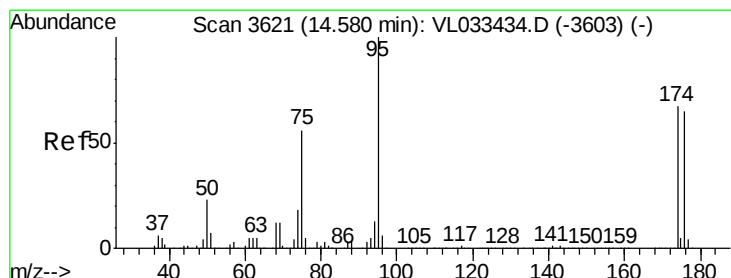
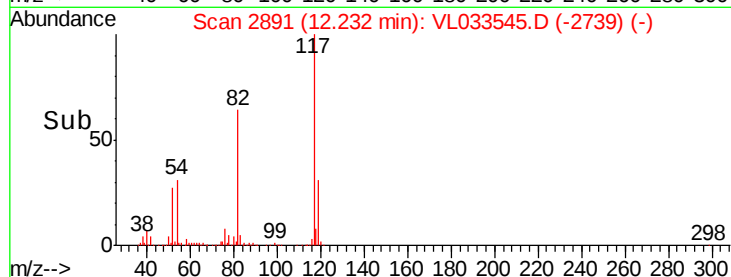
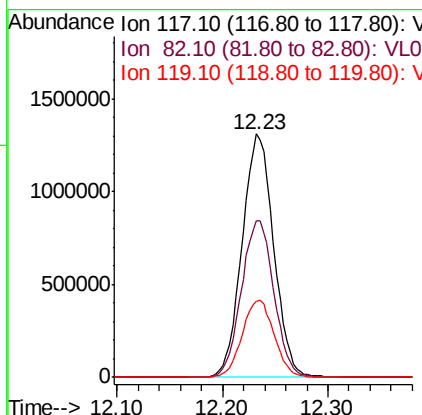
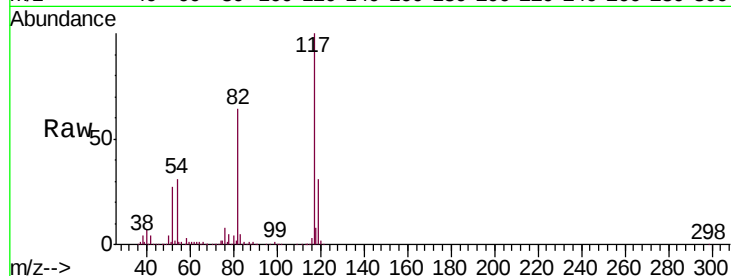




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

Instrument :
MSVOA_L
ClientSampleId :
A-5DL

Tgt Ion:117 Resp: 2730700
Ion Ratio Lower Upper
117 100
82 66.7 51.5 77.3
119 32.3 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.164 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033545.D
Acq: 4 Apr 2019 22:55

Tgt Ion: 95 Resp: 2175837
Ion Ratio Lower Upper
95 100
174 67.0 52.9 79.3
175 4.8 3.8 5.6

