

Data File : VL033750.D
Acq On : 22 May 2019 18:50
Operator : SY/AP
Sample : K2929-11DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04DL

Quant Time: May 23 04:23:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	878791	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1990978	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.23	117	1988411	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1632757	10.13	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

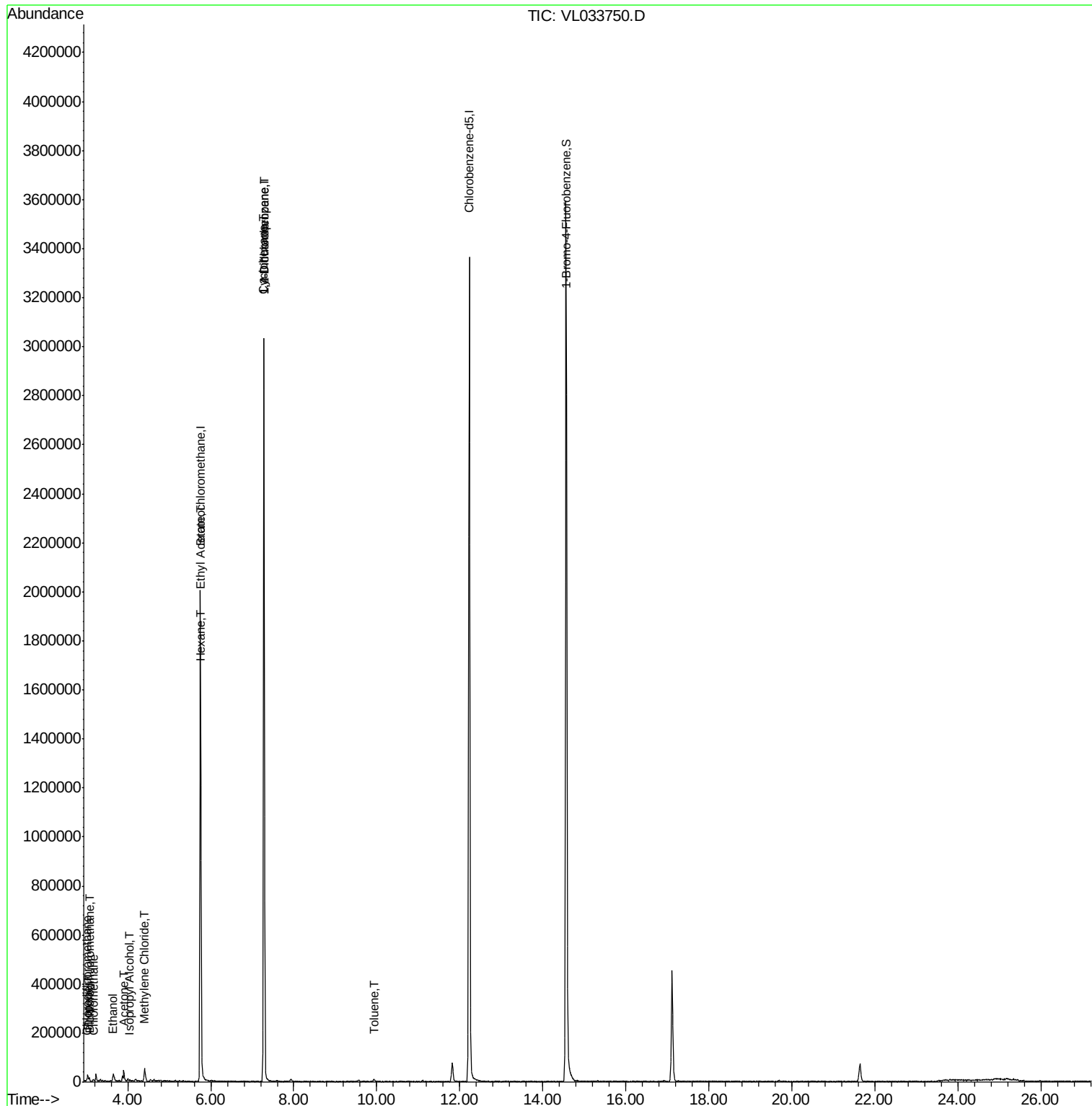
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	8490	0.046	ppbv #	69
3) Chlorodifluoromethane	3.01	51	5750	0.057	ppbv #	90
4) Chloromethane	3.17	50	3385	0.059	ppbv #	51
9) Propene	3.04	41	1771	0.041	ppbv #	44
13) Ethanol	3.62	45	285	0.021	ppbv #	38
15) Acetone	3.90	43	44084	0.362	ppbv	96
19) Isopropyl Alcohol	4.04	45	1131	0.014	ppbv #	94
20) Methylene Chloride	4.40	84	16802	0.358	ppbv	93
25) Ethyl Acetate	5.77	43	3982	0.019	ppbv #	74
26) Hexane	5.77	57	9657	0.105	ppbv #	36
30) Cyclohexane	7.27	84	7360	0.095	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	527789	7.816	ppbv #	23
53) Toluene	9.92	91	2400	0.012	ppbv #	1

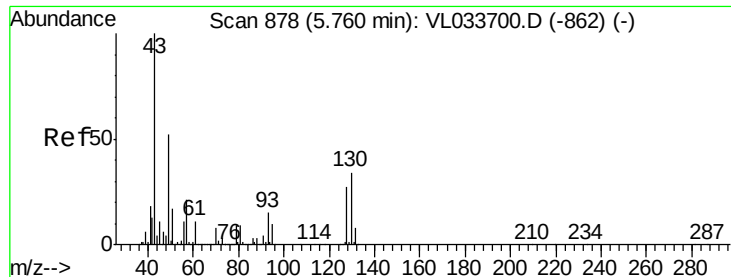
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033750.D

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Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3003-04DL

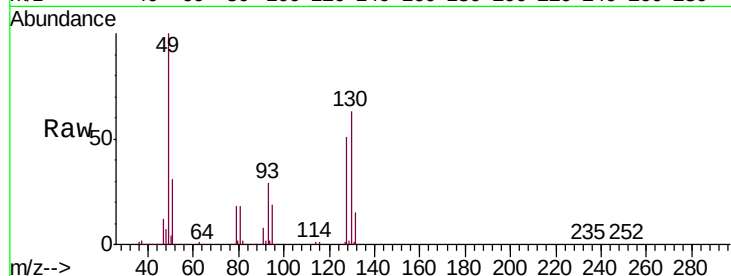
Tgt Ion: 49 Resp: 878791

Ion Ratio Lower Upper

49 100

128 49.7 25.2 75.6

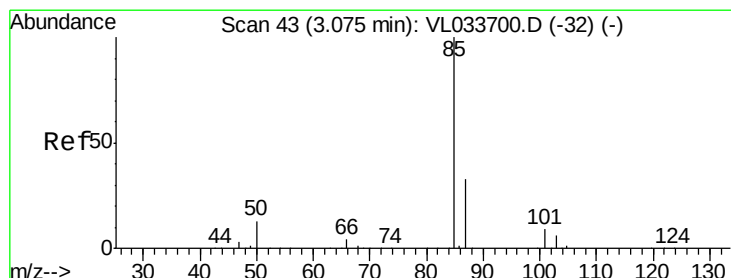
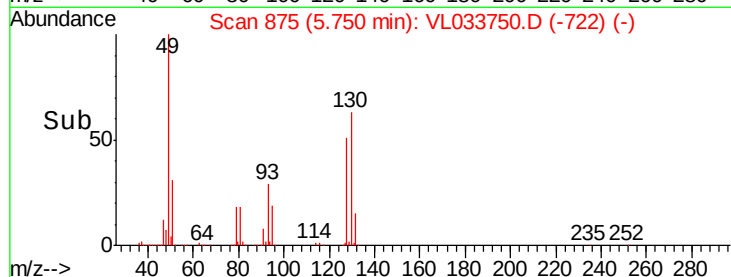
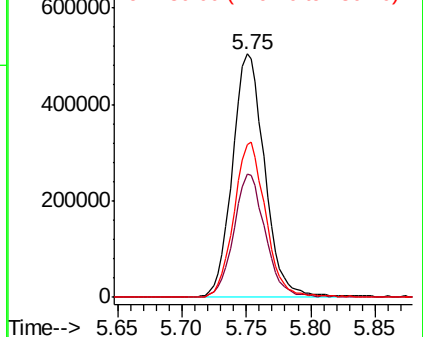
130 62.9 32.5 97.5



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: 0.046 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033750.D

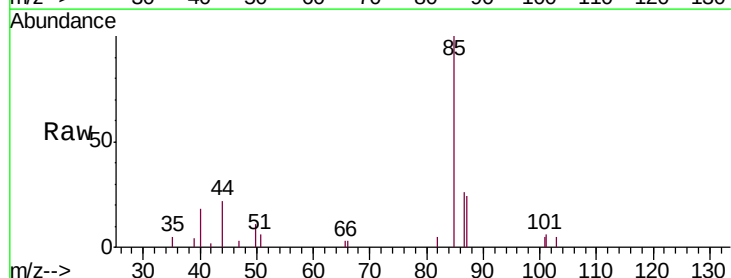
Acq: 22 May 2019 18:50

Tgt Ion: 85 Resp: 8490

Ion Ratio Lower Upper

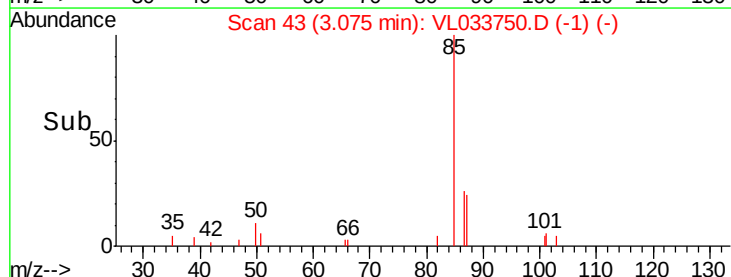
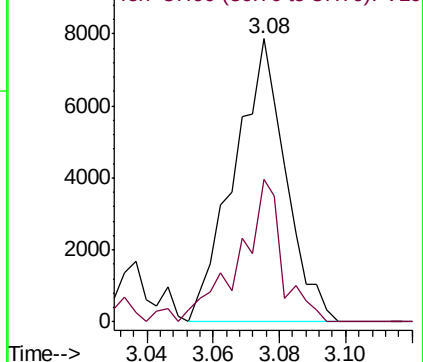
85 100

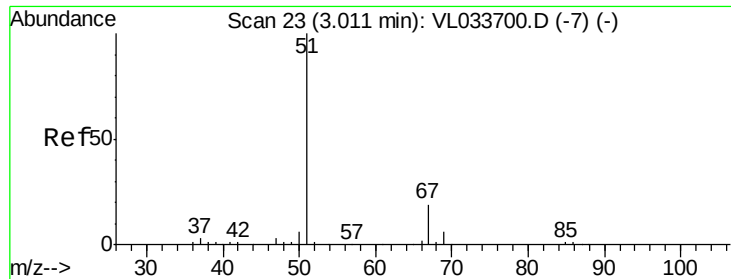
87 50.2 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

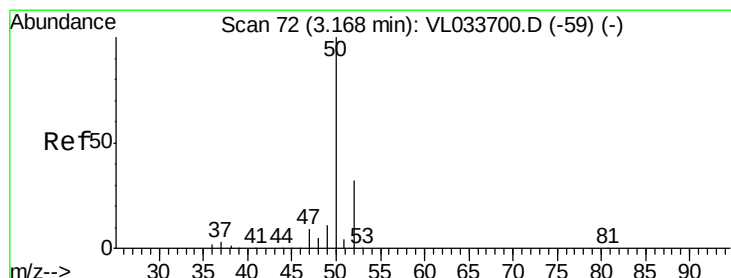
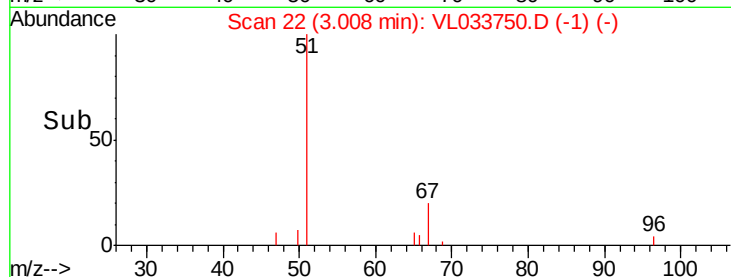
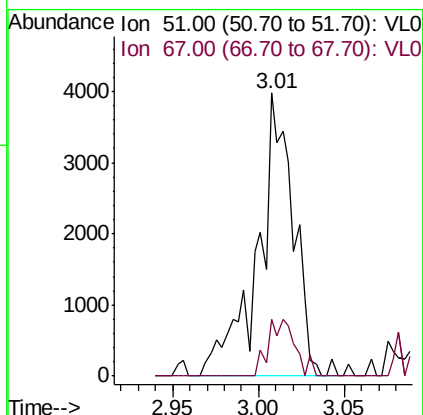
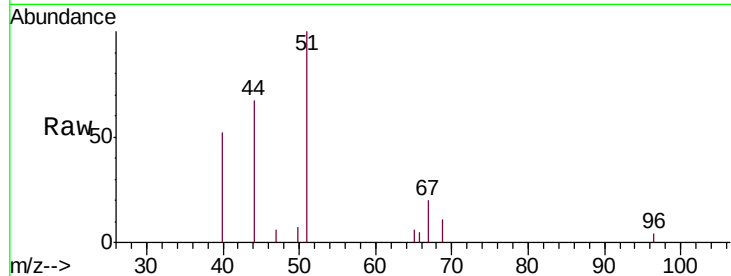




#3
 Chlorodifluoromethane
 Concen: 0.057 ppbv
 RT: 3.01 min Scan# 22
 Delta R.T. -0.00 min
 Lab File: VL033750.D
 Acq: 22 May 2019 18:50

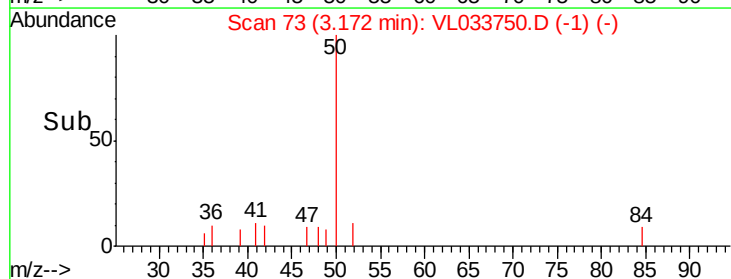
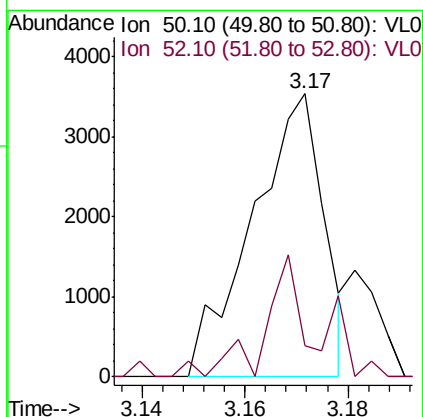
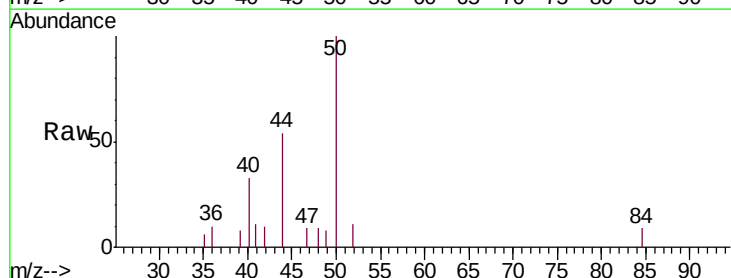
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3003-04DL

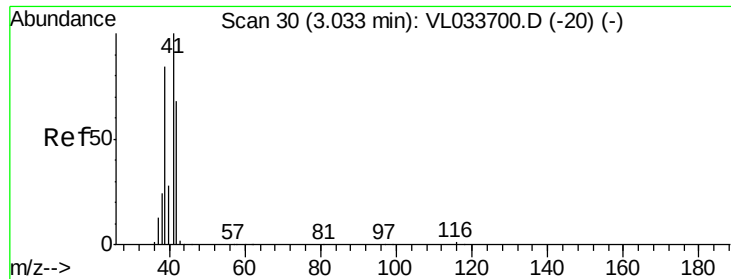
Tgt Ion: 51 Resp: 5750
 Ion Ratio Lower Upper
 51 100
 67 15.0 15.6 23.4#



#4
 Chloromethane
 Concen: 0.059 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033750.D
 Acq: 22 May 2019 18:50

Tgt Ion: 50 Resp: 3385
 Ion Ratio Lower Upper
 50 100
 52 5.0 25.7 38.5#





#9

Propene

Concen: 0.041 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

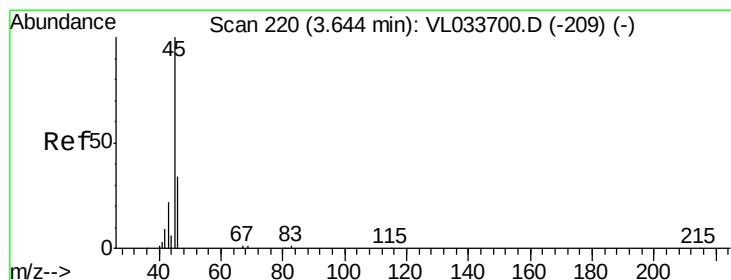
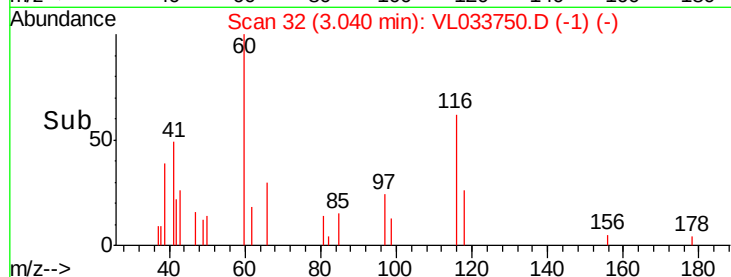
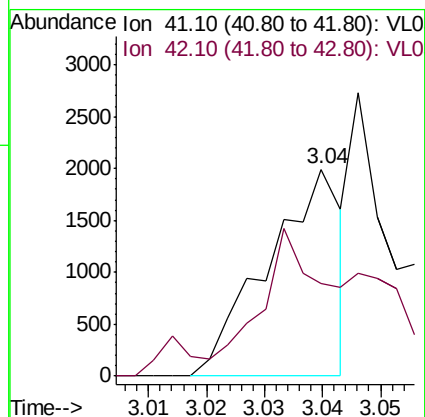
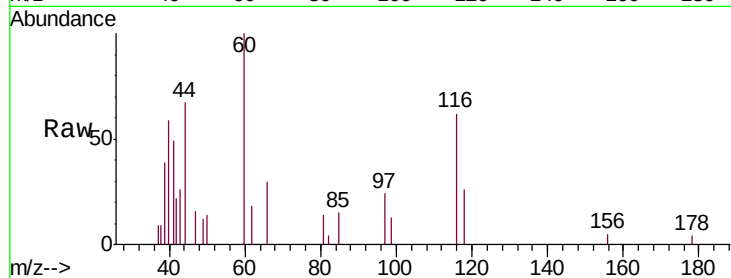
BPS1-ODA-3003-04DL

Tgt Ion: 41 Resp: 1771

Ion Ratio Lower Upper

41 100

42 116.1 56.1 84.1#



#13

Ethanol

Concen: 0.021 ppbv

RT: 3.62 min Scan# 214

Delta R.T. -0.02 min

Lab File: VL033750.D

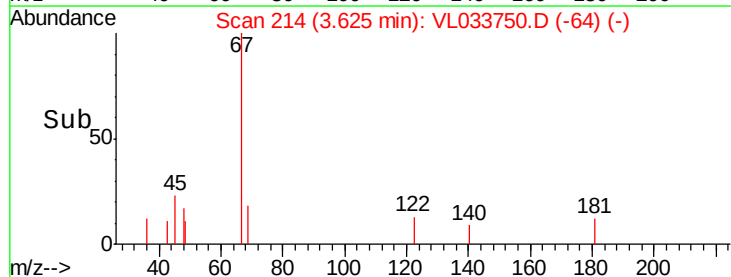
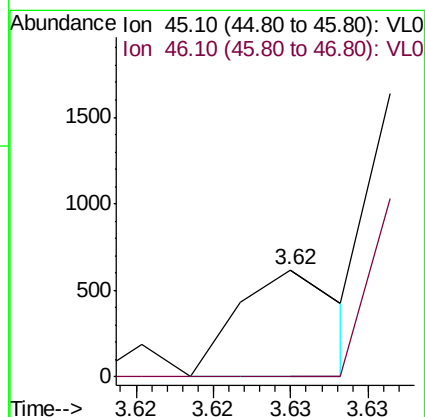
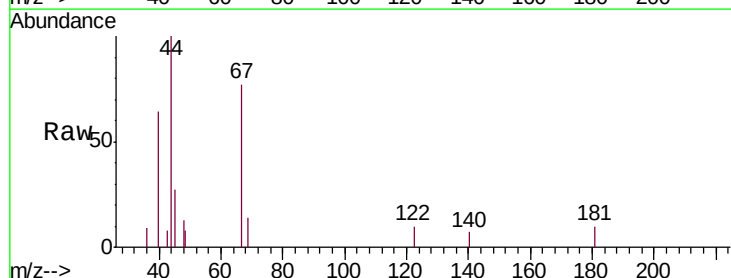
Acq: 22 May 2019 18:50

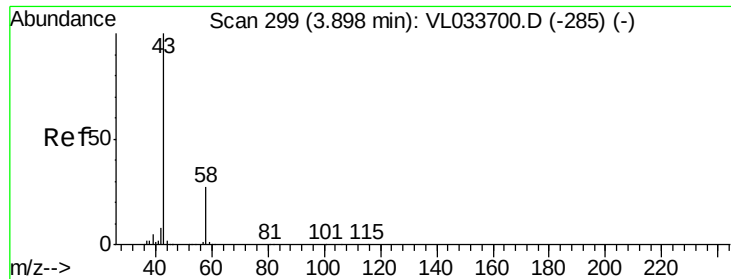
Tgt Ion: 45 Resp: 285

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#





#15

Acetone

Concen: 0.362 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

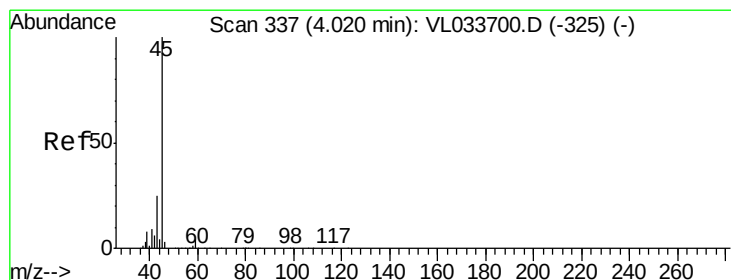
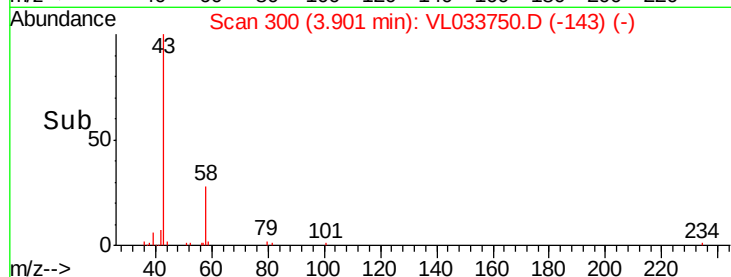
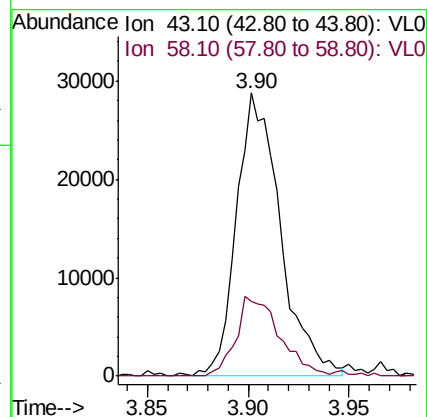
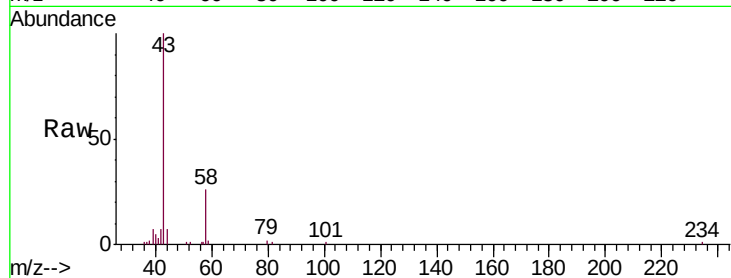
BPS1-ODA-3003-04DL

Tgt Ion: 43 Resp: 44084

Ion Ratio Lower Upper

43 100

58 28.6 21.3 31.9



#19

Isopropyl Alcohol

Concen: 0.014 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL033750.D

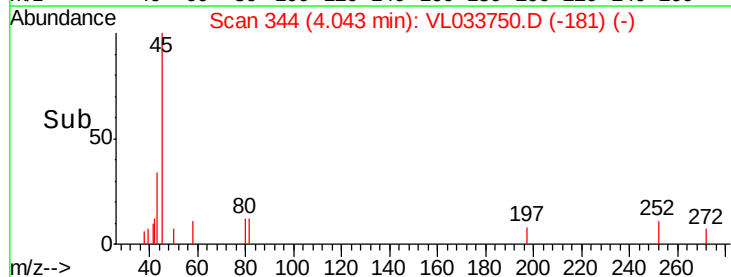
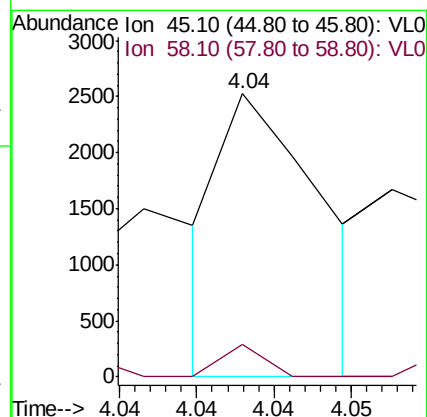
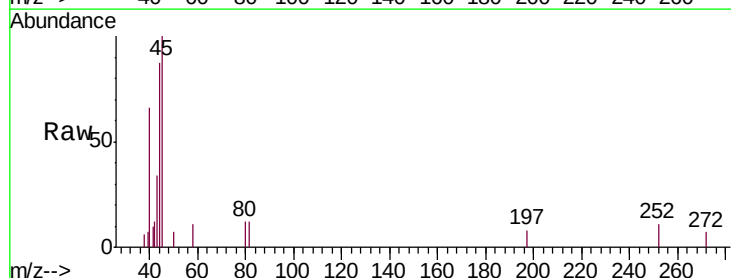
Acq: 22 May 2019 18:50

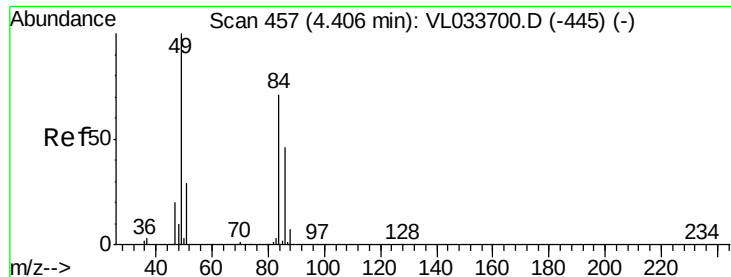
Tgt Ion: 45 Resp: 1131

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#

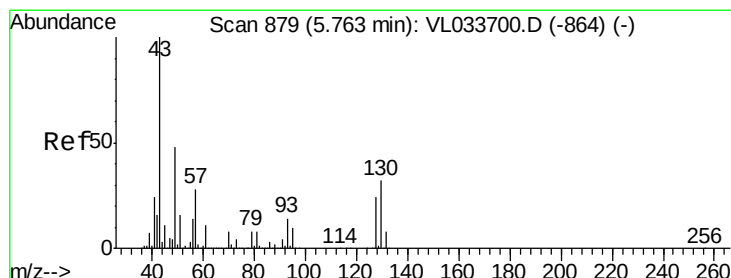
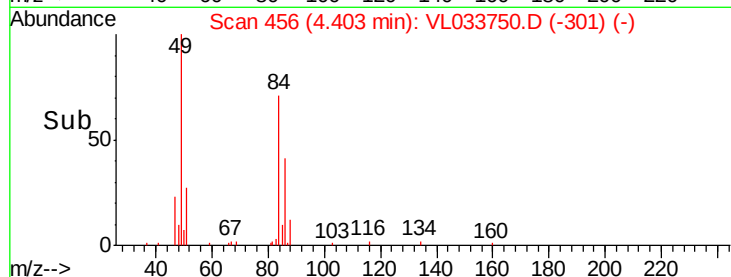
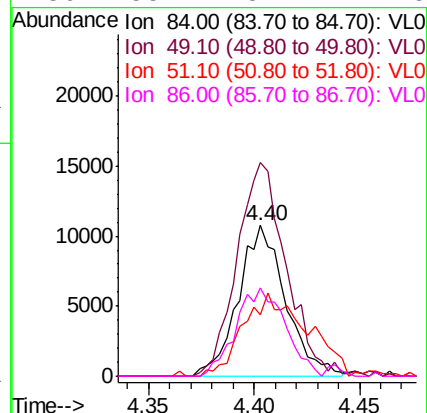
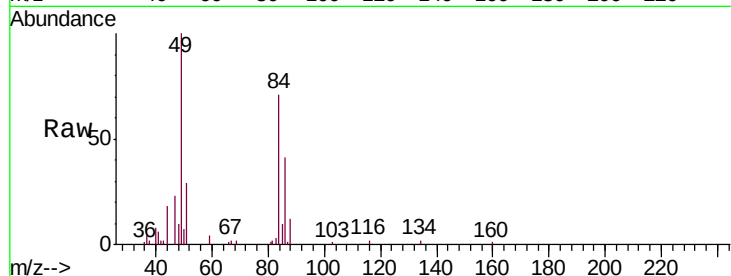




#20
Methylene Chloride
Concen: 0.358 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033750.D
Acq: 22 May 2019 18:50

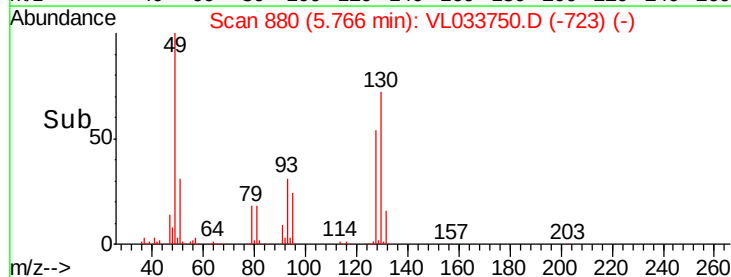
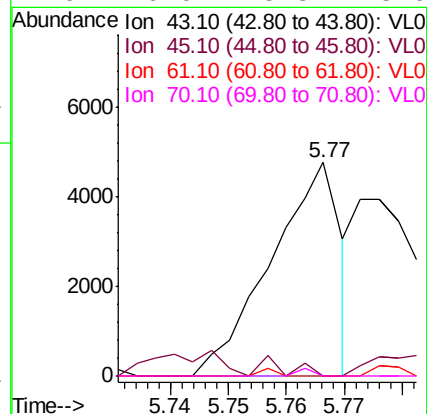
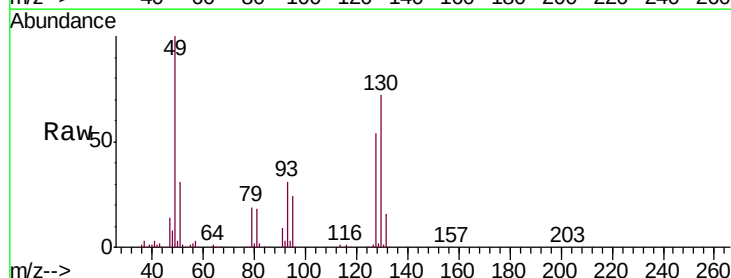
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04DL

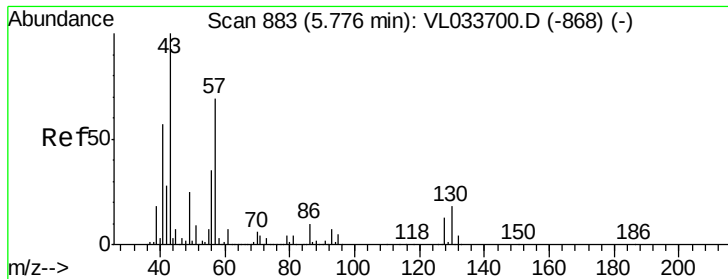
Tgt Ion:	84	Resp:	16802
Ion	Ratio	Lower	Upper
84	100		
49	152.1	112.8	169.2
51	40.7	33.4	50.0
86	58.7	51.7	77.5



#25
Ethyl Acetate
Concen: 0.019 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033750.D
Acq: 22 May 2019 18:50

Tgt Ion:	43	Resp:	3982
Ion	Ratio	Lower	Upper
43	100		
45	21.6	7.9	11.9#
61	0.8	7.7	11.5#
70	0.0	5.8	8.6#





#26

Hexane

Concen: 0.105 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3003-04DL

Tgt Ion: 57 Resp: 9657

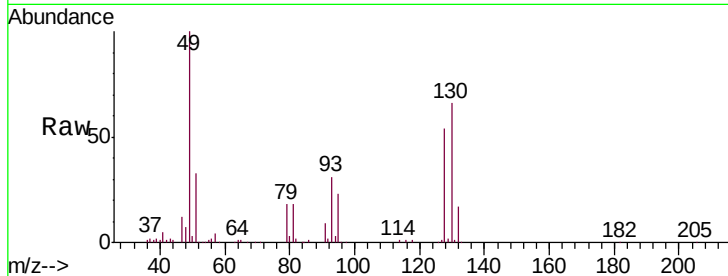
Ion Ratio Lower Upper

57 100

41 112.9 69.8 104.6#

43 79.7 181.8 272.6#

56 63.1 42.1 63.1

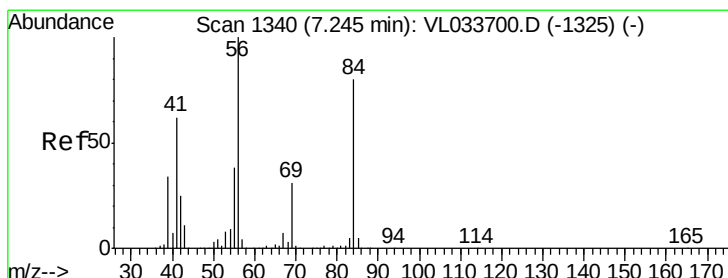
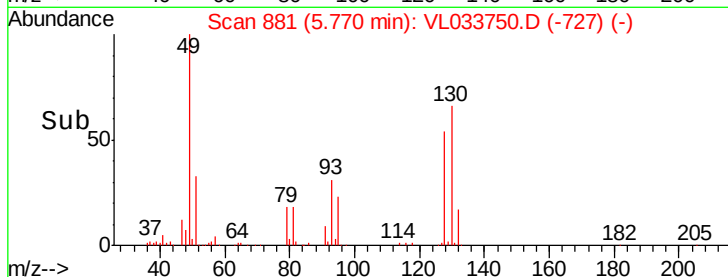
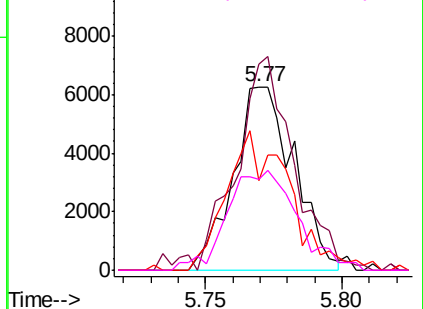


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.095 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. 0.02 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

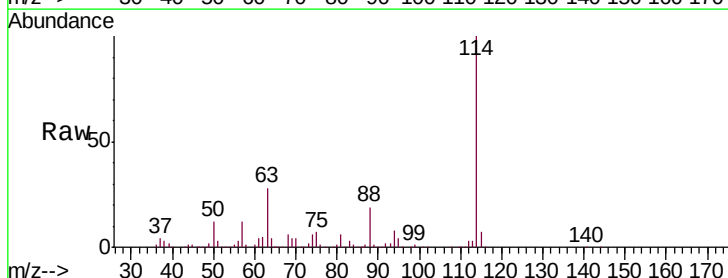
Tgt Ion: 84 Resp: 7360

Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

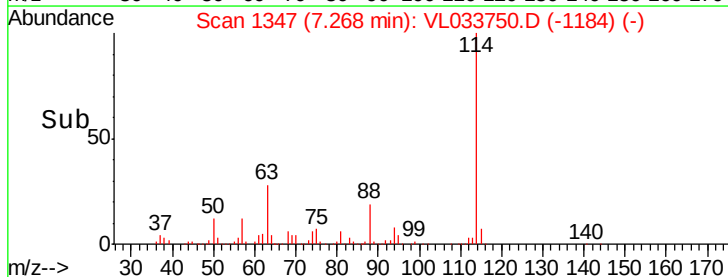
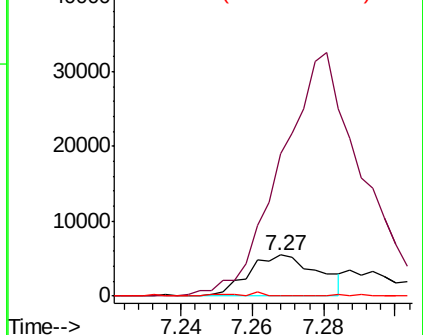
41 3.4 66.0 99.0#

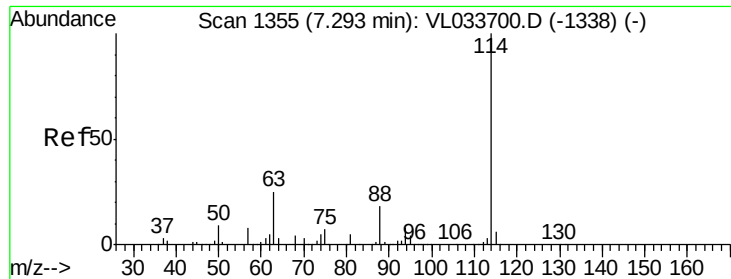


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

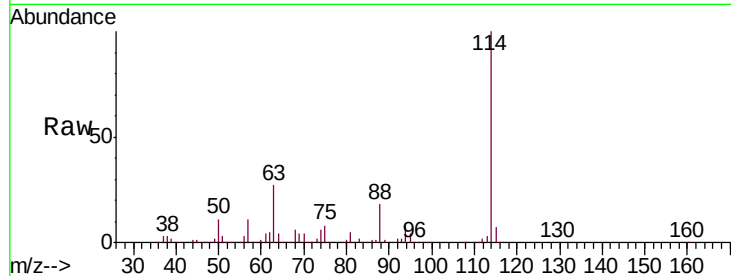




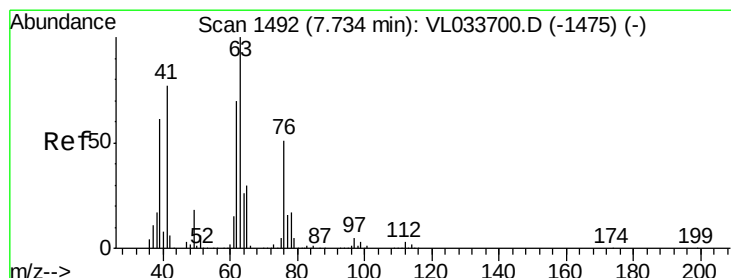
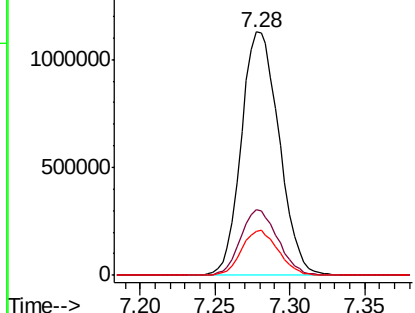
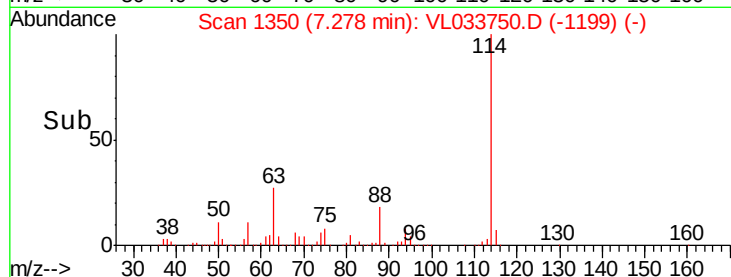
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VL033750.D
 Acq: 22 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3003-04DL

Tgt Ion: 114 Resp: 1990978
 Ion Ratio Lower Upper
 114 100
 63 26.6 20.9 31.3
 88 17.9 14.3 21.5

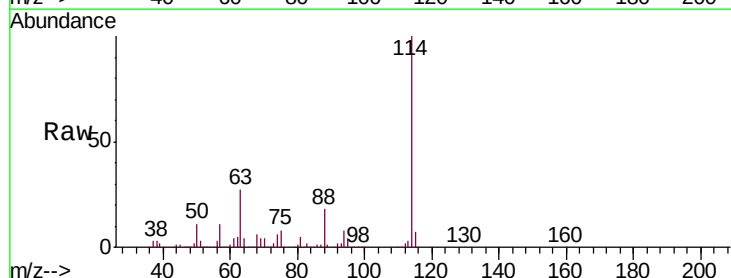


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

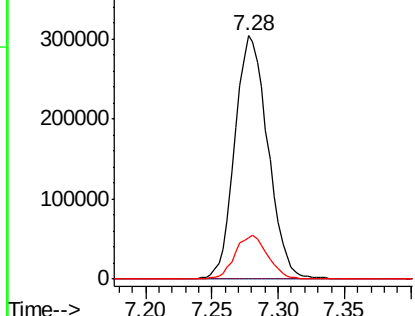
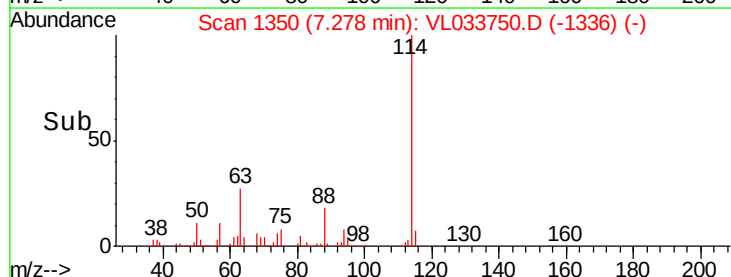


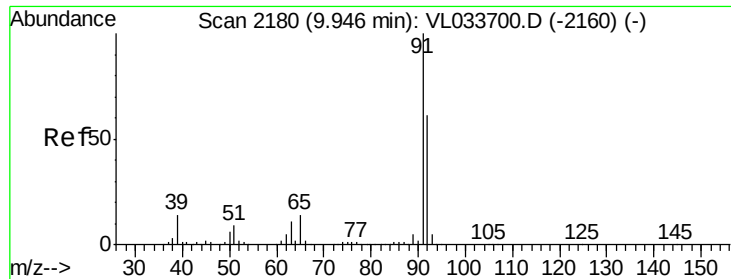
#39
 1,2-Dichloropropane
 Concen: 7.816 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.46 min
 Lab File: VL033750.D
 Acq: 22 May 2019 18:50

Tgt Ion: 63 Resp: 527789
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.5 92.3#
 62 17.0 56.2 84.4#



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: 0.012 ppbv

RT: 9.92 min Scan# 2173

Delta R.T. -0.02 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

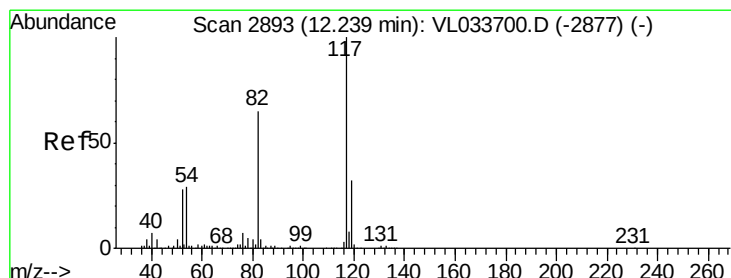
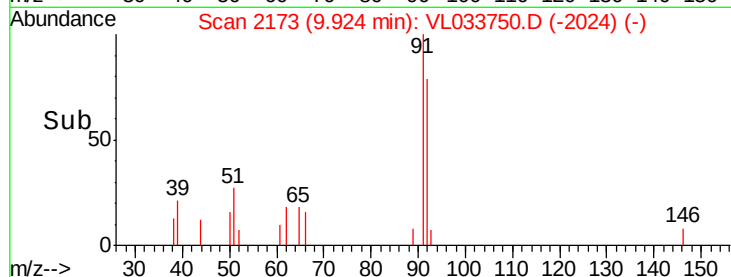
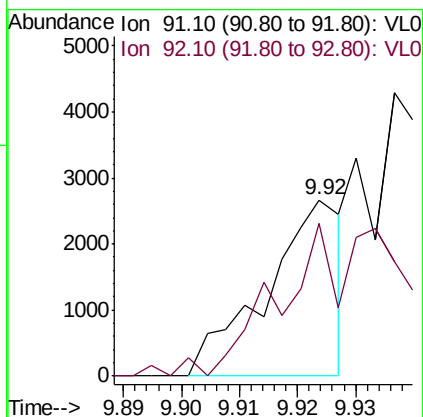
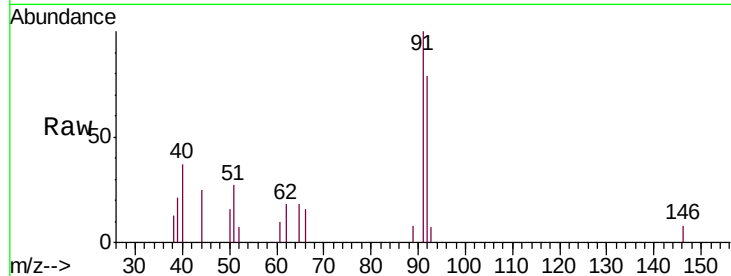
BPS1-ODA-3003-04DL

Tgt Ion: 91 Resp: 2400

Ion Ratio Lower Upper

91 100

92 188.2 47.6 71.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

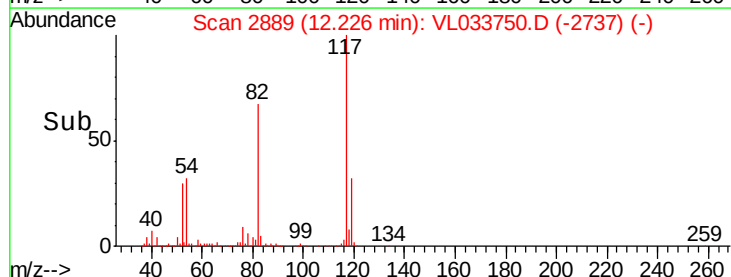
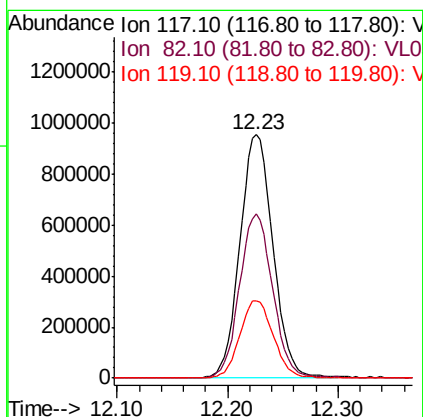
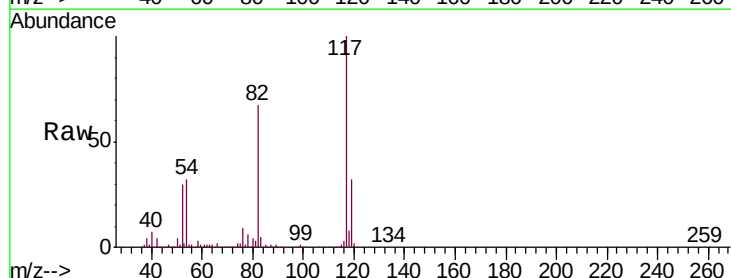
Tgt Ion: 117 Resp: 1988411

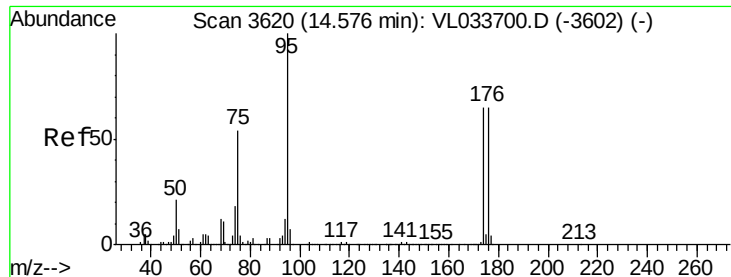
Ion Ratio Lower Upper

117 100

82 67.8 49.4 74.0

119 32.5 24.9 37.3

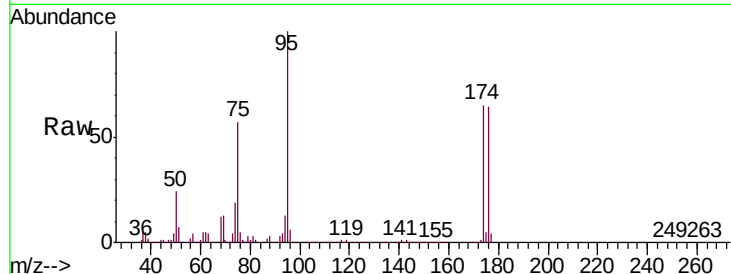




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.129 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033750.D
 Acq: 22 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3003-04DL

Tgt Ion: 95 Resp: 1632757
 Ion Ratio Lower Upper
 95 100
 174 66.6 53.9 80.9
 175 4.7 3.8 5.8



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

