

Data File : VL033849.D
Acq On : 30 May 2019 00:11
Operator : SY/AP
Sample : K3067-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-6-20190523-0DL

Quant Time: May 30 02:14:32 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	750707	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1672011	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1665427	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1373363	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	6071	0.038	ppbv #	72
9) Propene	3.03	41	1115	0.030	ppbv #	15
13) Ethanol	3.65	45	22350	1.891	ppbv	96
15) Acetone	3.90	43	68326	0.656	ppbv	98
19) Isopropyl Alcohol	4.04	45	25224	0.376	ppbv #	90
20) Methylene Chloride	4.40	84	2027	0.051	ppbv #	91
25) Ethyl Acetate	5.77	43	9237	0.050	ppbv #	83
26) Hexane	5.77	57	4813	0.061	ppbv #	1
29) Chloroform	5.84	83	10479	0.072	ppbv	100
39) 1,2-Dichloropropane	7.28	63	437901	7.722	ppbv #	23
52) Tetrachloroethene	11.36	164	8513	0.159	ppbv	93
53) Toluene	9.93	91	8773	0.053	ppbv #	21

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SG-6-20190523-0DL

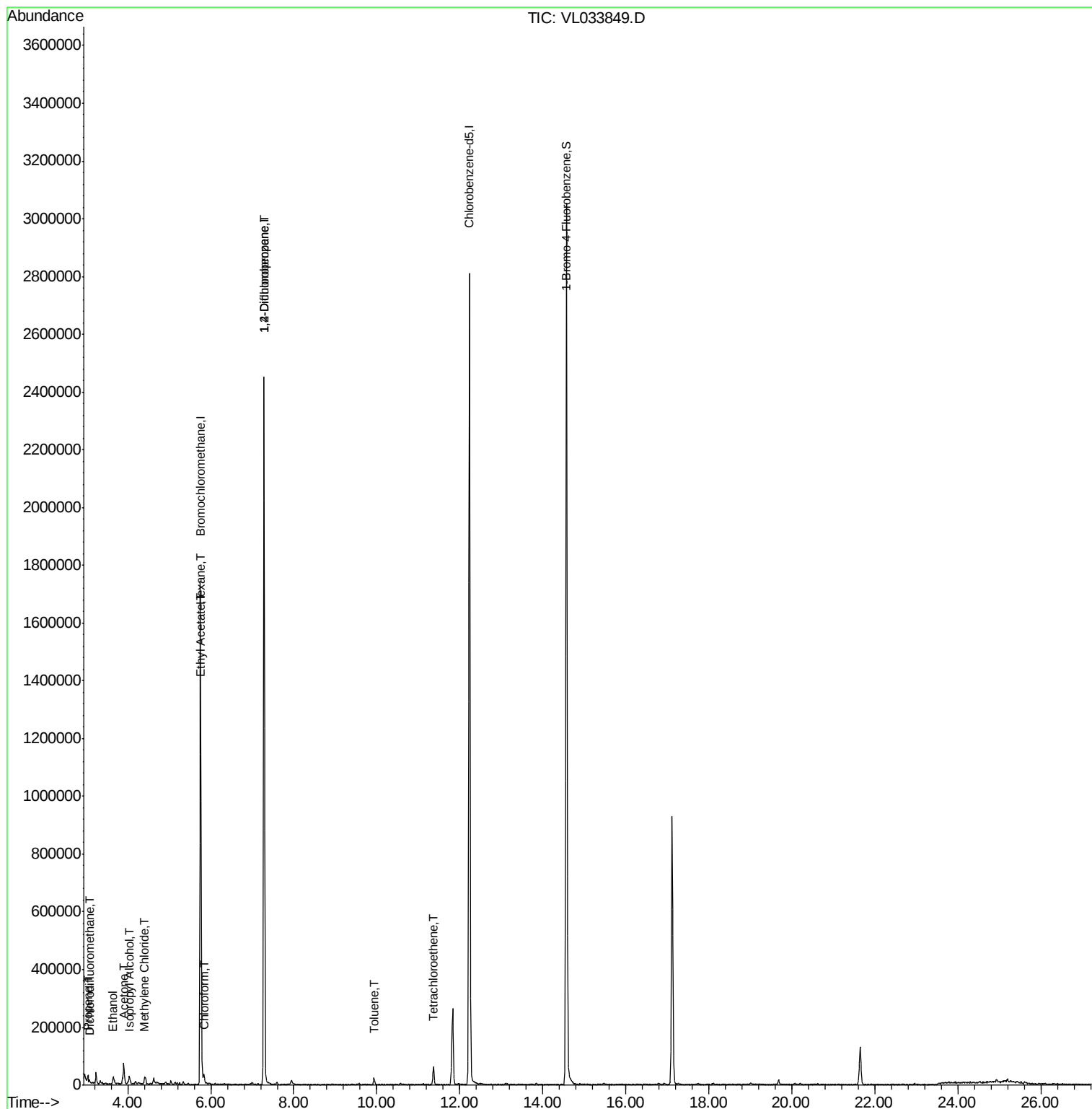
Quant Time: May 30 02:14:32 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

SG-6-20190523-0DL

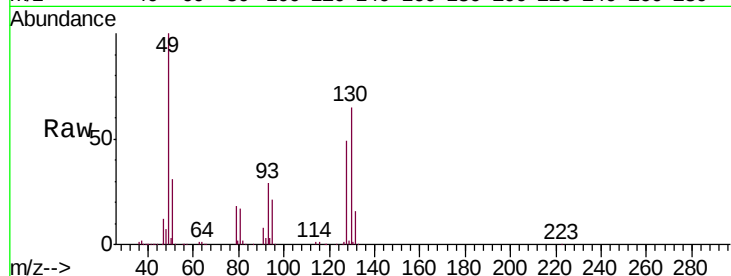
Tgt Ion: 49 Resp: 750707

Ion Ratio Lower Upper

49 100

128 50.0 25.2 75.6

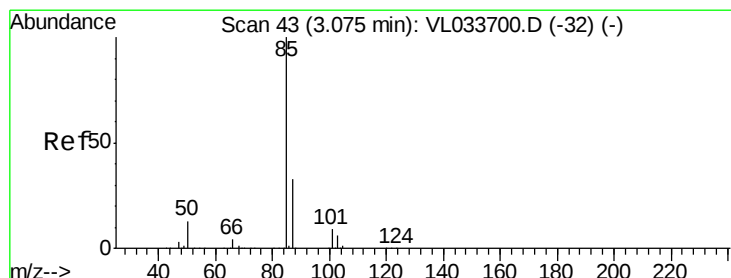
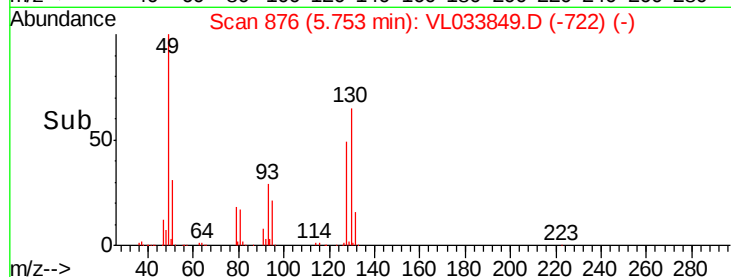
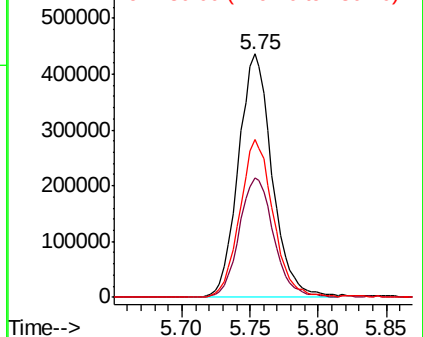
130 64.9 32.5 97.5



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: 0.038 ppbv

RT: 3.07 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033849.D

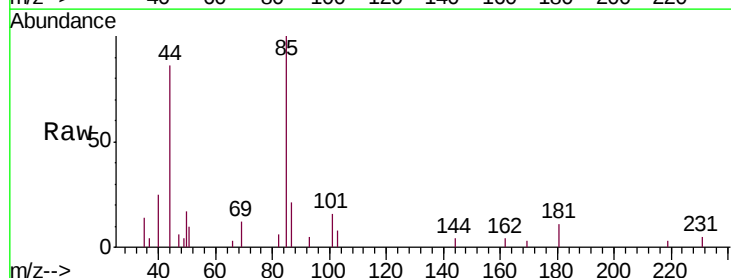
Acq: 30 May 2019 00:11

Tgt Ion: 85 Resp: 6071

Ion Ratio Lower Upper

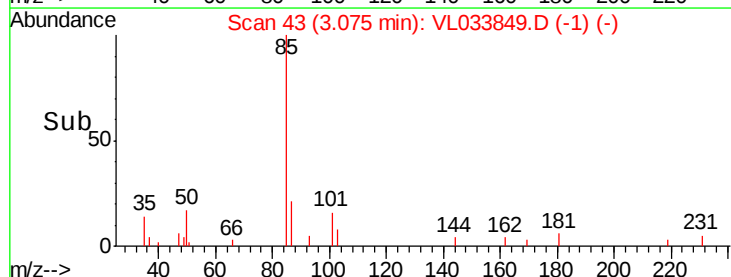
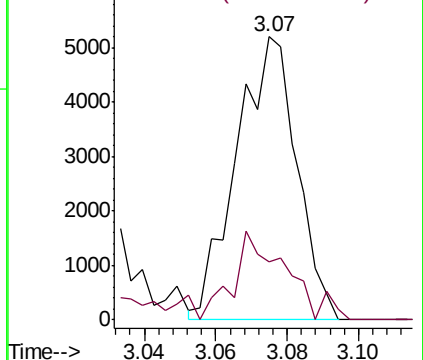
85 100

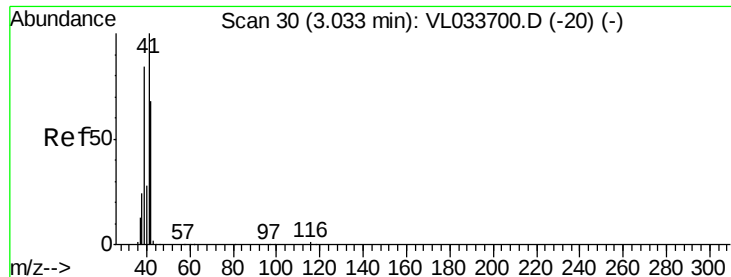
87 17.0 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.030 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033849.D

Acq: 30 May 2019 00:11

Instrument :

MSVOA_L

ClientSampleId :

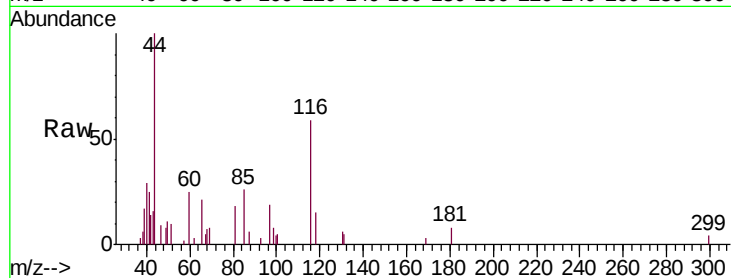
SG-6-20190523-0DL

Tgt Ion: 41 Resp: 1115

Ion Ratio Lower Upper

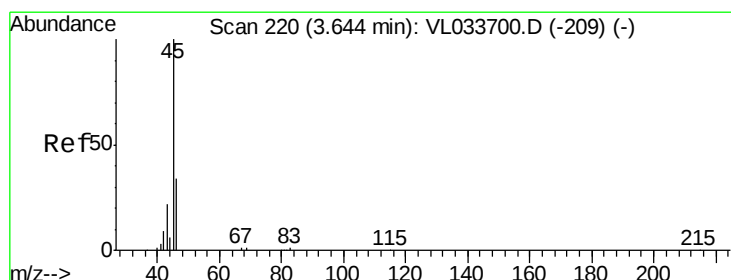
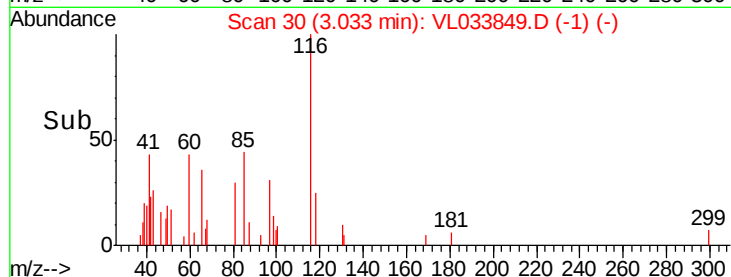
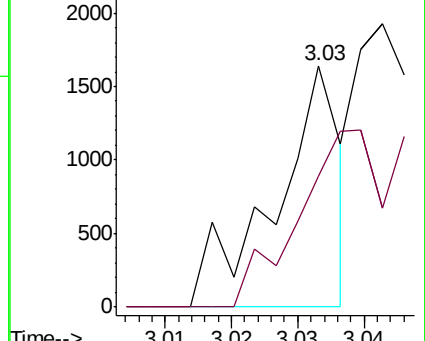
41 100

42 0.0 56.1 84.1#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 1.891 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033849.D

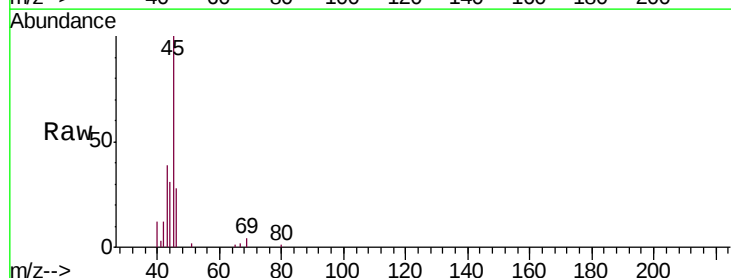
Acq: 30 May 2019 00:11

Tgt Ion: 45 Resp: 22350

Ion Ratio Lower Upper

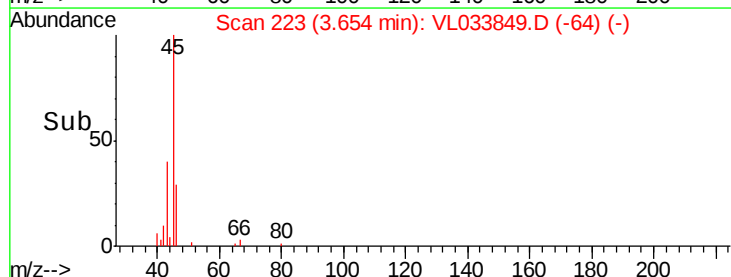
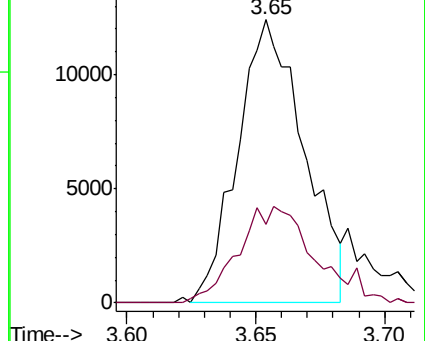
45 100

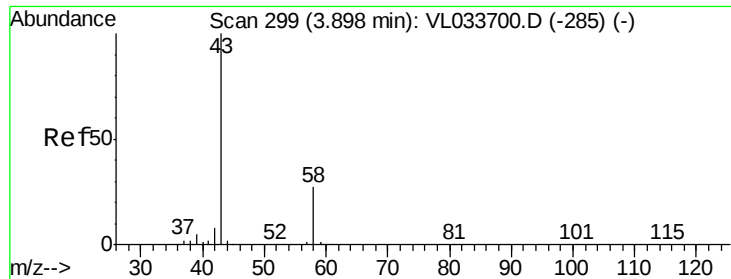
46 39.4 14.8 59.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.656 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033849.D

Acq: 30 May 2019 00:11

Instrument :

MSVOA_L

ClientSampleId :

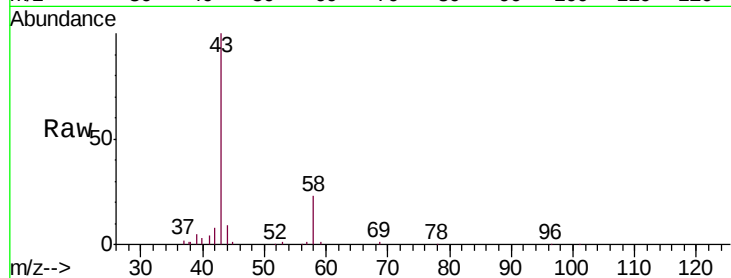
SG-6-20190523-0DL

Tgt Ion: 43 Resp: 68326

Ion Ratio Lower Upper

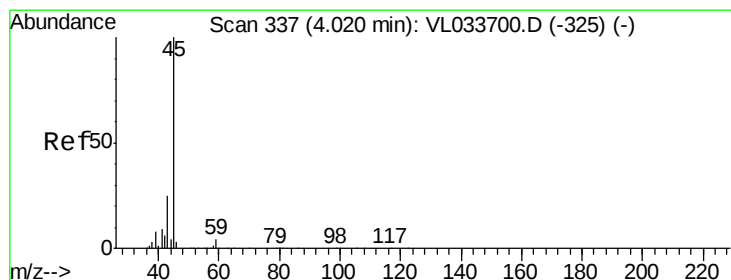
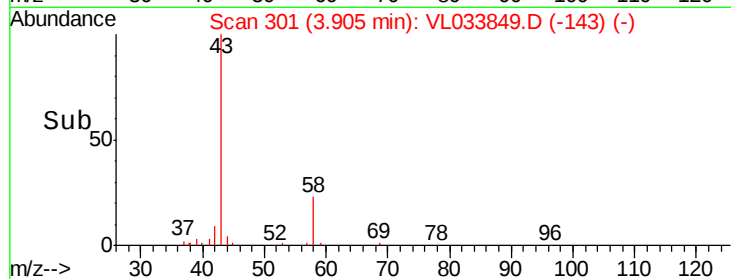
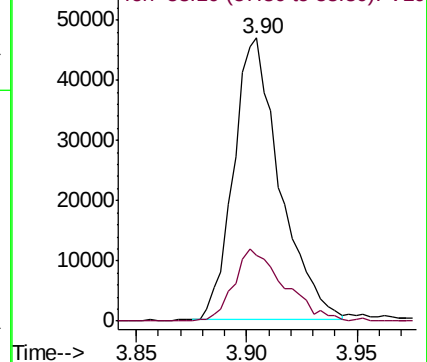
43 100

58 27.8 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.376 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL033849.D

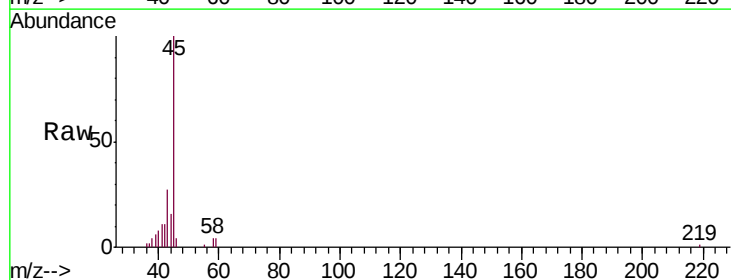
Acq: 30 May 2019 00:11

Tgt Ion: 45 Resp: 25224

Ion Ratio Lower Upper

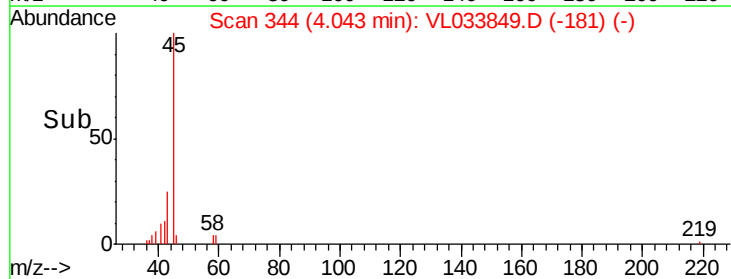
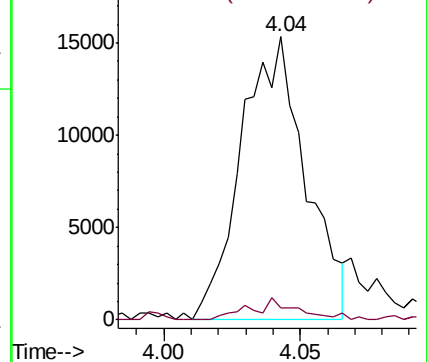
45 100

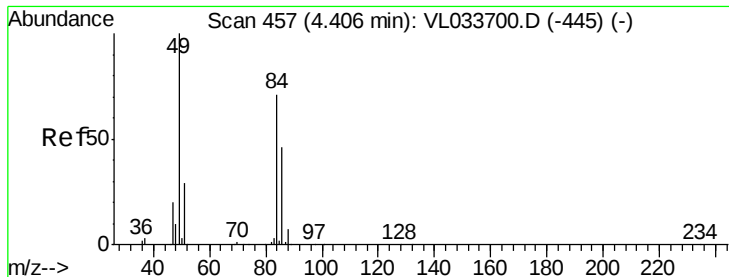
58 5.7 1.6 2.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.051 ppbv

RT: 4.40 min Scan# 454

Delta R.T. -0.01 min

Lab File: VL033849.D

Acq: 30 May 2019 00:11

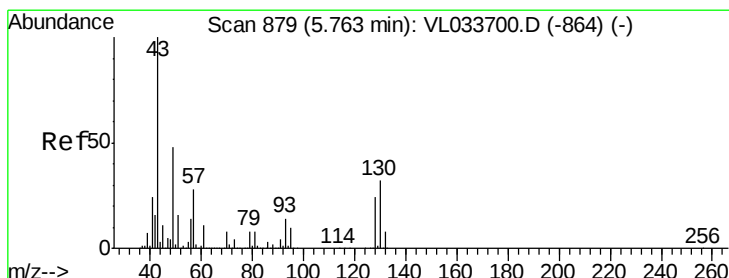
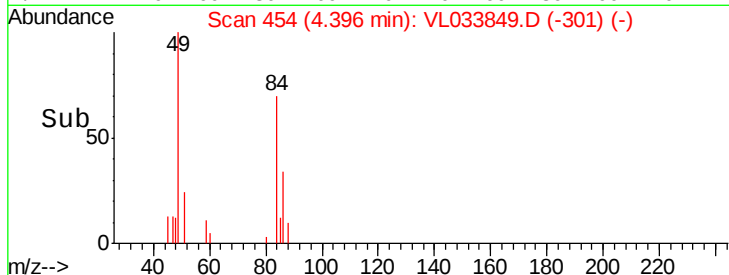
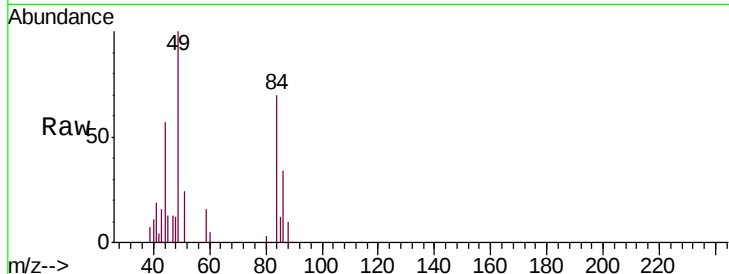
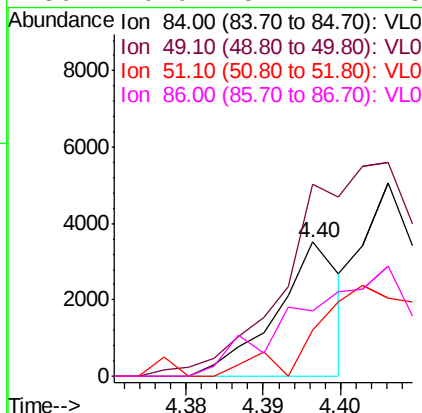
Instrument :

MSVOA_L

ClientSampleId :

SG-6-20190523-ODL

Tgt Ion:	84	Resp:	2027
Ion	Ratio	Lower	Upper
84	100		
49	136.5	112.8	169.2
51	34.7	33.4	50.0
86	49.0	51.7	77.5#



#25

Ethyl Acetate

Concen: 0.050 ppbv

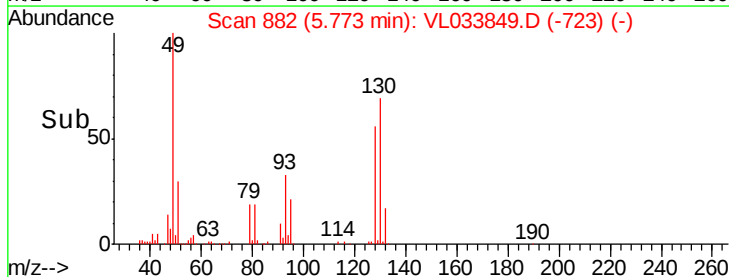
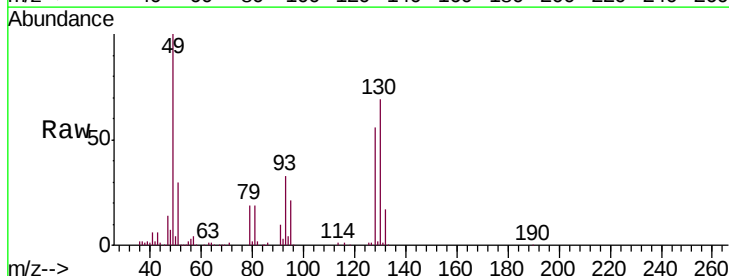
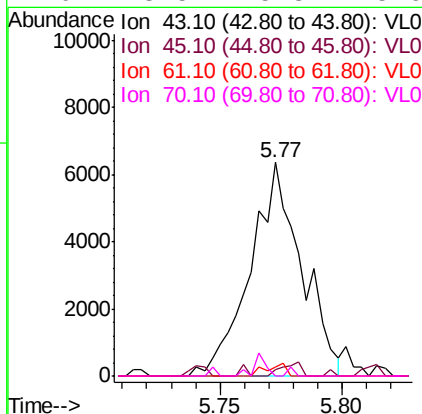
RT: 5.77 min Scan# 882

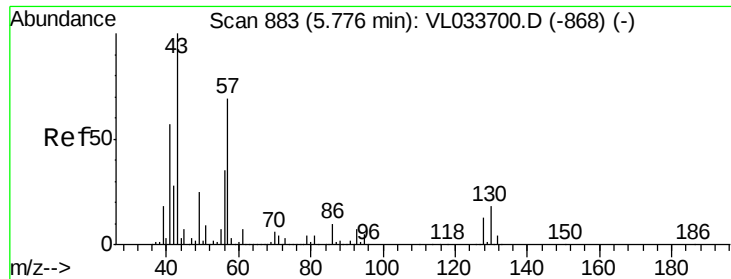
Delta R.T. 0.01 min

Lab File: VL033849.D

Acq: 30 May 2019 00:11

Tgt Ion:	43	Resp:	9237
Ion	Ratio	Lower	Upper
43	100		
45	3.5	7.9	11.9#
61	2.3	7.7	11.5#
70	3.5	5.8	8.6#

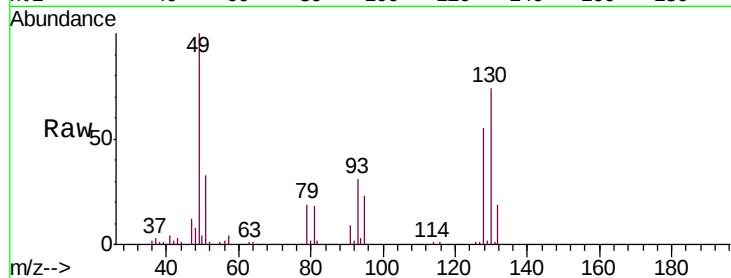




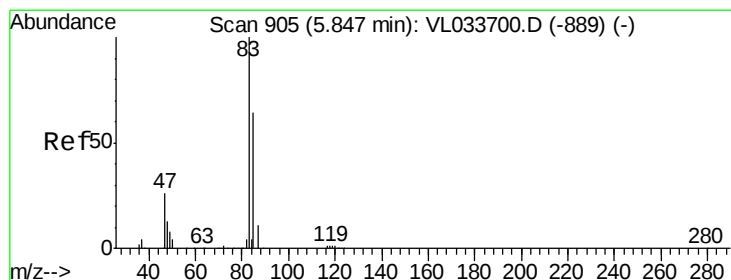
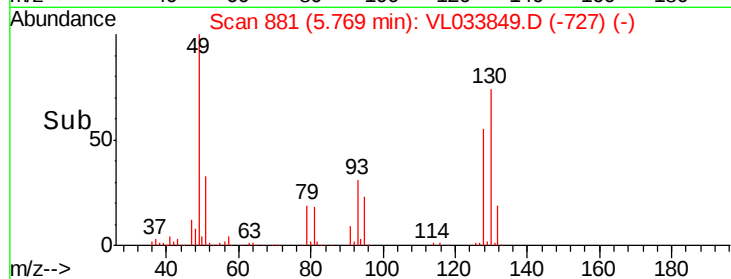
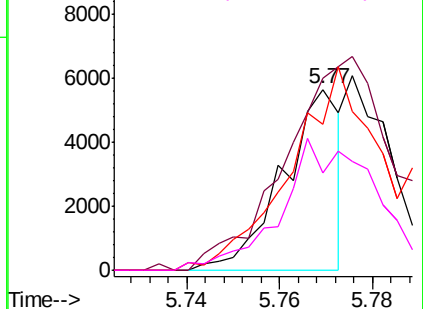
#26
Hexane
Concen: 0.061 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033849.D
Acq: 30 May 2019 00:11

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 57 Resp: 4813
Ion Ratio Lower Upper
57 100
41 0.0 69.8 104.6#
43 0.0 181.8 272.6#
56 128.7 42.1 63.1#

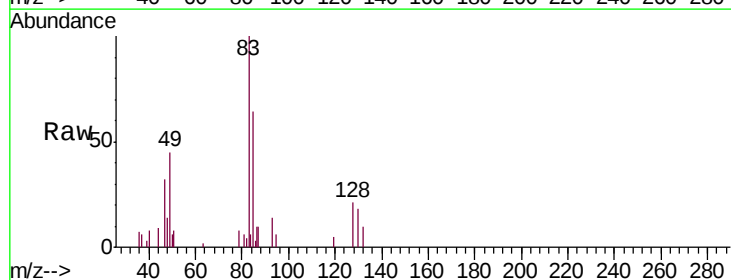


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

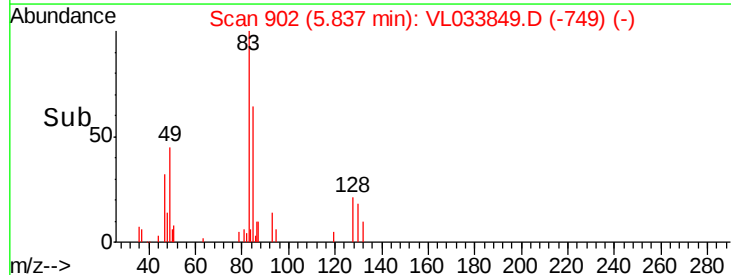
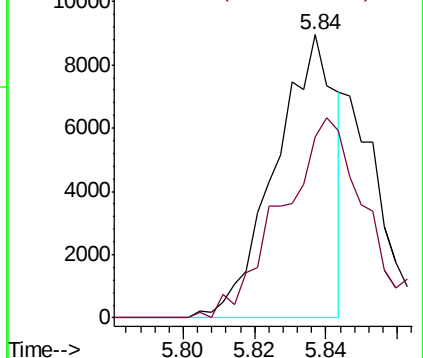


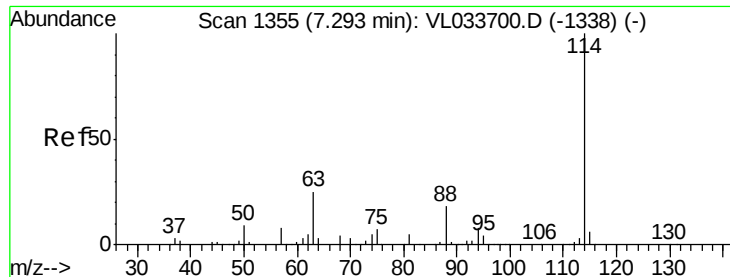
#29
Chloroform
Concen: 0.072 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033849.D
Acq: 30 May 2019 00:11

Tgt Ion: 83 Resp: 10479
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

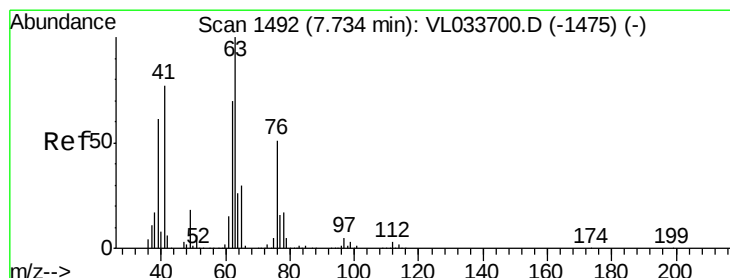
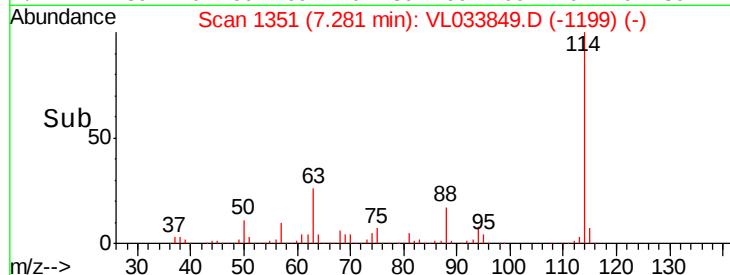
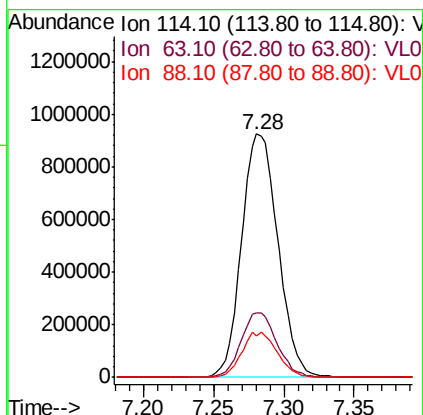
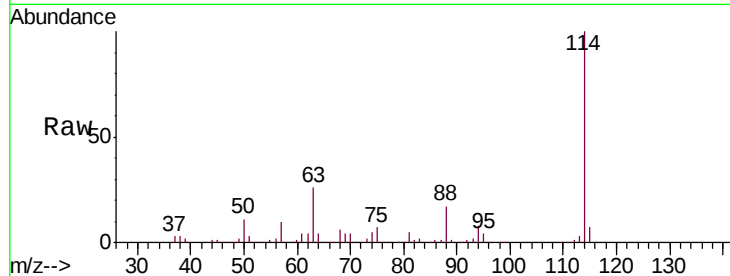




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033849.D
 Acq: 30 May 2019 00:11

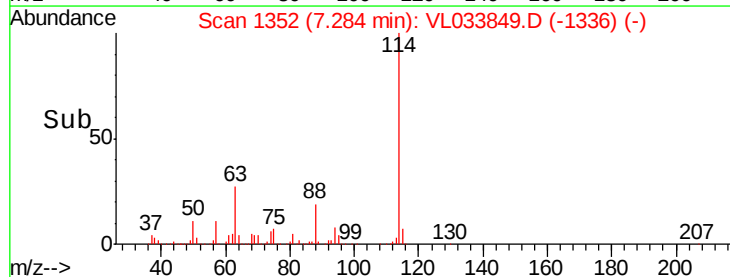
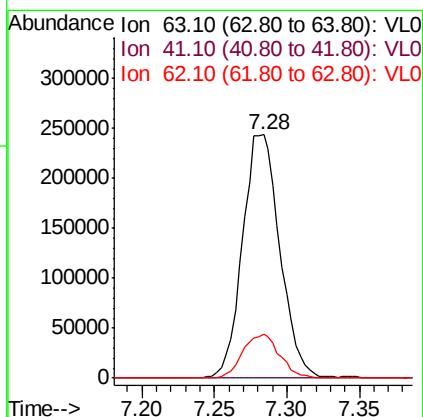
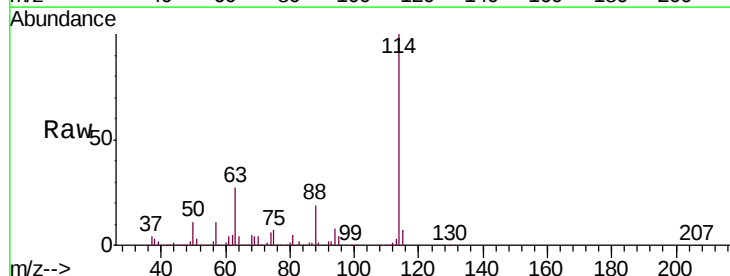
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6-20190523-ODL

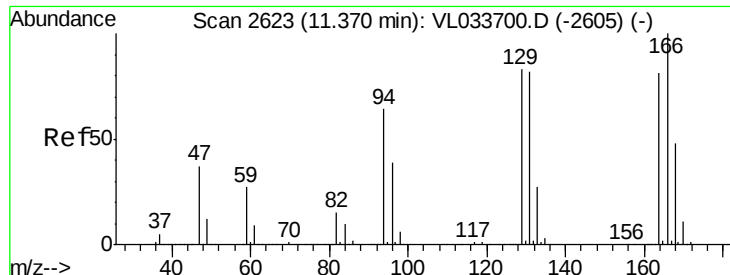
Tgt Ion: 114 Resp: 1672011
 Ion Ratio Lower Upper
 114 100
 63 26.3 20.9 31.3
 88 18.0 14.3 21.5



#39
 1,2-Dichloropropane
 Concen: 7.722 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033849.D
 Acq: 30 May 2019 00:11

Tgt Ion: 63 Resp: 437901
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.5 92.3#
 62 18.2 56.2 84.4#





#52

Tetrachloroethene

Concen: 0.159 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033849.D

Acq: 30 May 2019 00:11

Instrument :

MSVOA_L

ClientSampleId :

SG-6-20190523-ODL

Tgt Ion:164 Resp: 8513

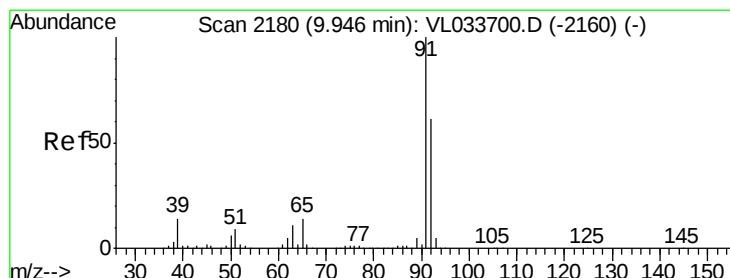
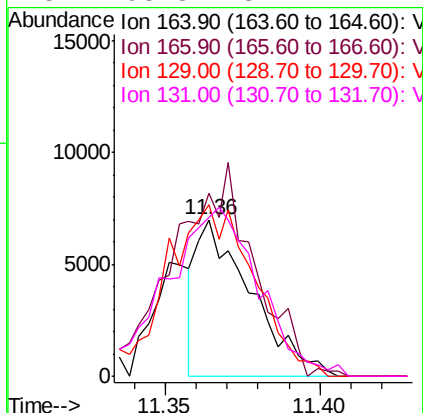
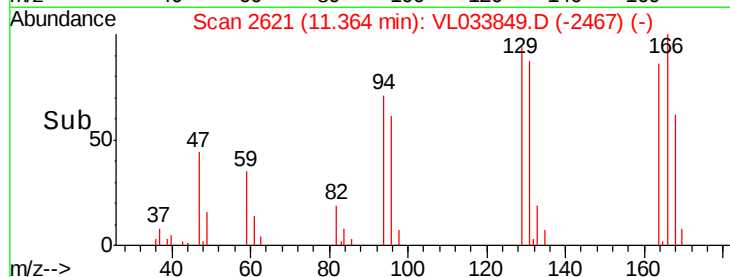
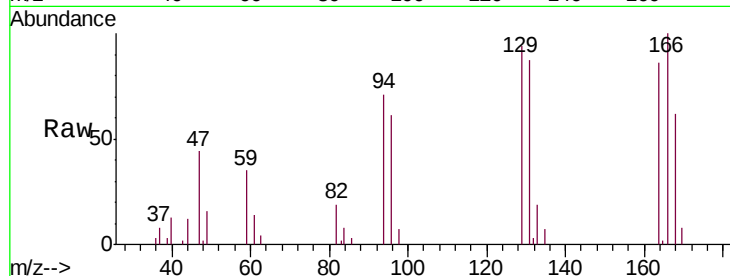
Ion Ratio Lower Upper

164 100

166 113.1 98.9 148.3

129 109.5 81.8 122.6

131 98.3 81.1 121.7



#53

Toluene

Concen: 0.053 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VL033849.D

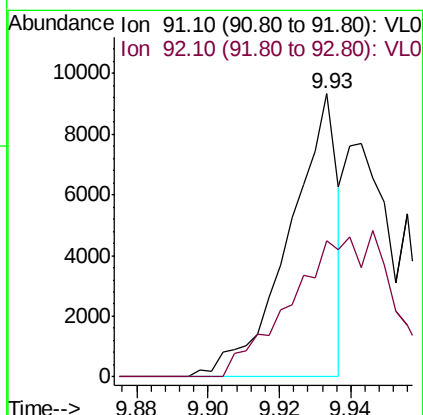
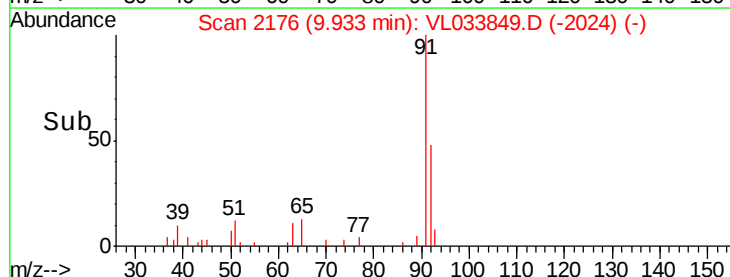
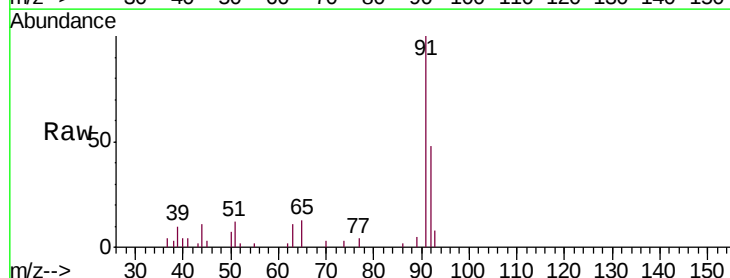
Acq: 30 May 2019 00:11

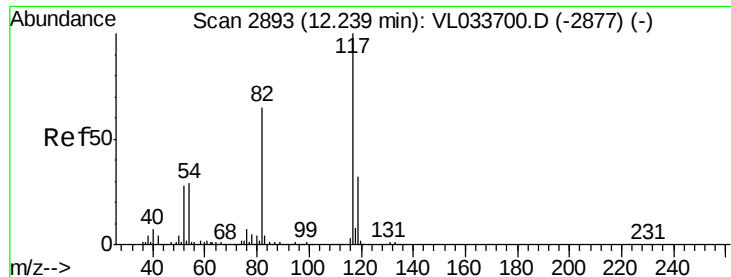
Tgt Ion: 91 Resp: 8773

Ion Ratio Lower Upper

91 100

92 0.0 47.6 71.4#

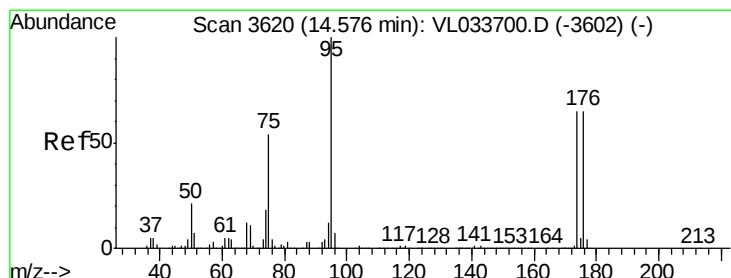
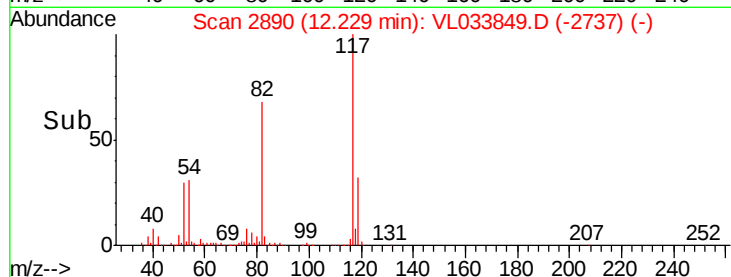
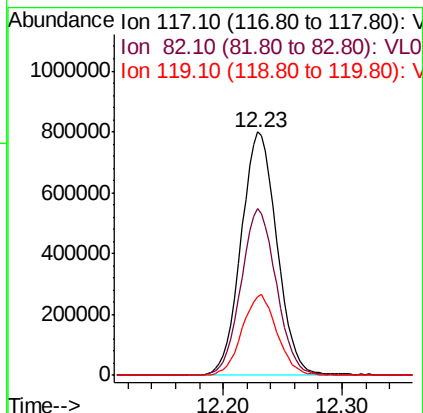
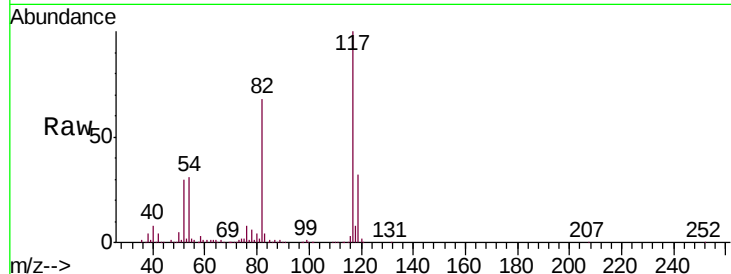




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033849.D
Acq: 30 May 2019 00:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6-20190523-ODL

Tgt Ion: 117 Resp: 1665427
Ion Ratio Lower Upper
117 100
82 68.1 49.4 74.0
119 32.5 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.172 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033849.D
Acq: 30 May 2019 00:11

Tgt Ion: 95 Resp: 1373363
Ion Ratio Lower Upper
95 100
174 65.4 53.9 80.9
175 4.6 3.8 5.8

