

Data File : VL036139.D
Acq On : 10 Dec 2020 22:15
Operator : SY/AP
Sample : L4930-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1

Quant Time: Dec 11 03:30:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368300	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2621019	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2375434	10.00	ppbv	-0.04

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.40 95 2047015 10.85 ppbv -0.04
Spiked Amount 10.000 Range 65 - 135 Recovery = 108.50%

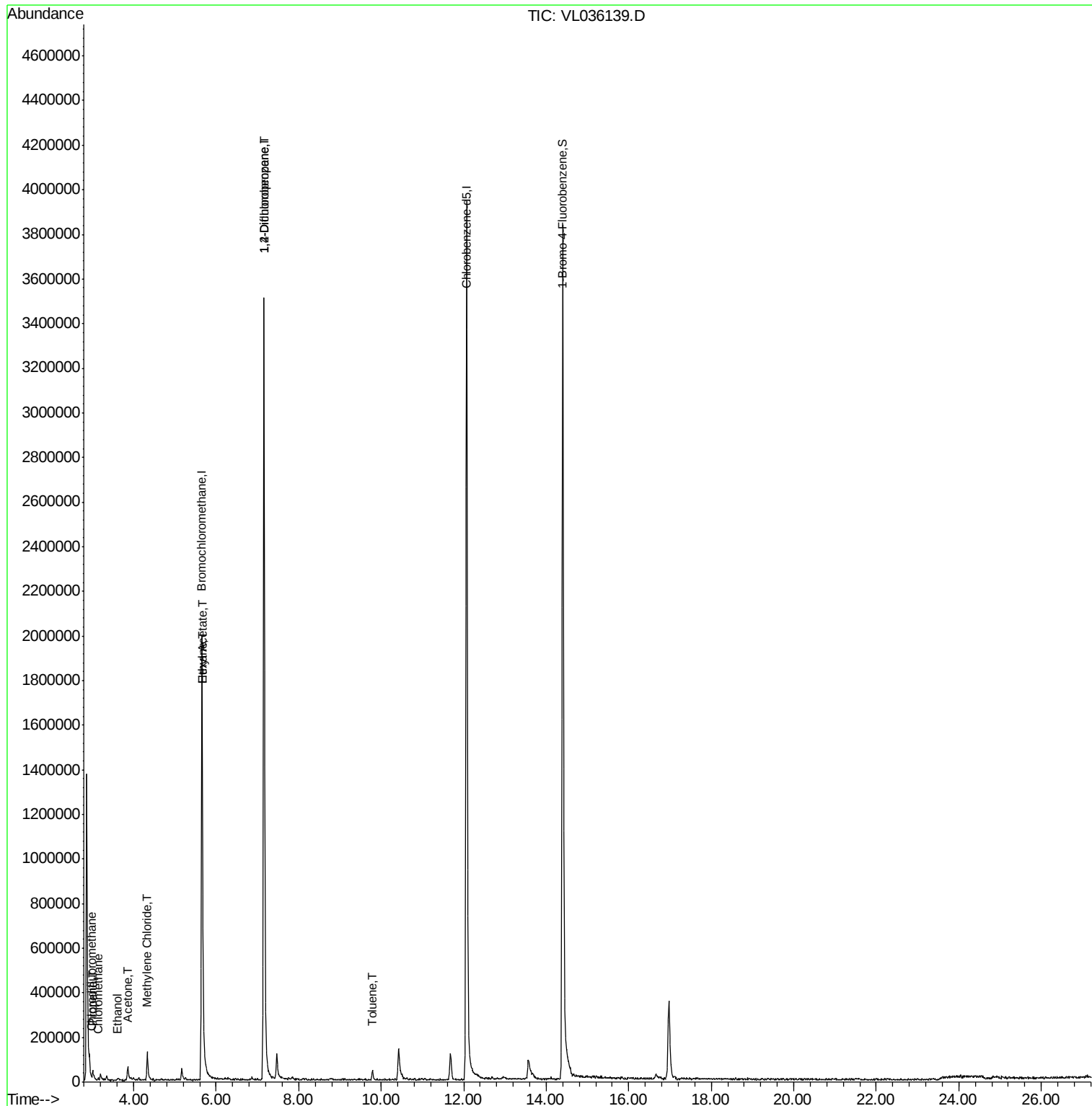
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	9394	0.060	ppbv #	83
4) Chloromethane	3.12	50	2352	0.031	ppbv #	51
9) Propene	3.00	41	7875	0.101	ppbv #	78
13) Ethanol	3.59	45	877	0.081	ppbv #	29
15) Acetone	3.85	43	59302	0.361	ppbv #	71
20) Methylene Chloride	4.33	84	47144	0.700	ppbv	85
25) Ethyl Acetate	5.67	43	12002	0.037	ppbv #	85
26) Hexane	5.67	57	16236	0.110	ppbv #	42
39) 1,2-Dichloropropane	7.16	63	850720	9.698	ppbv #	24
53) Toluene	9.79	91	24346	0.098	ppbv #	21

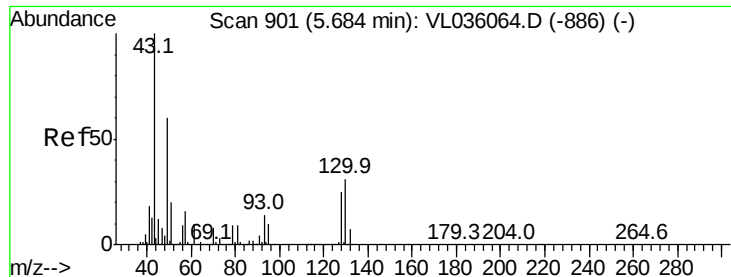
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL036139.D
Acq On : 10 Dec 2020 22:15
Operator : SY/AP
Sample : L4930-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1

Quant Time: Dec 11 03:30:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036139.D

Acq: 10 Dec 2020 22:15

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-1

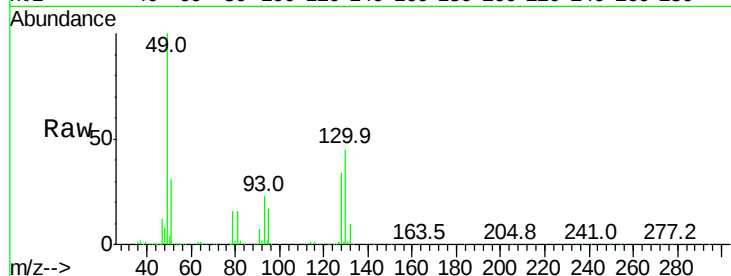
Tgt Ion: 49 Resp: 1368300

Ion Ratio Lower Upper

49 100

128 34.3 21.1 63.1

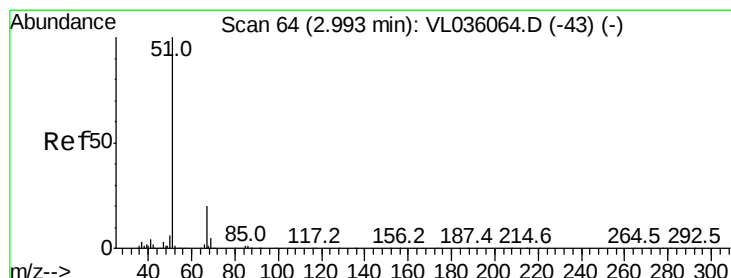
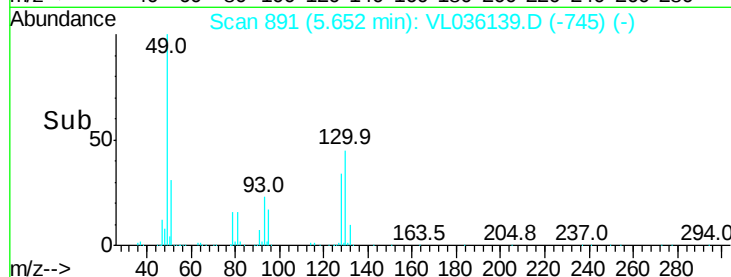
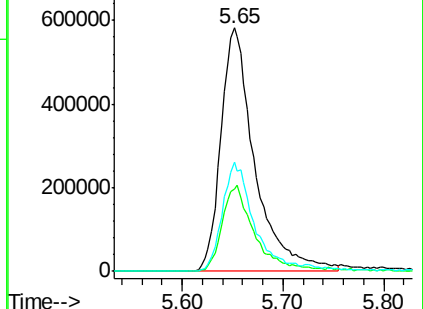
130 44.4 27.1 81.3



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



#3

Chlorodifluoromethane

Concen: 0.060 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036139.D

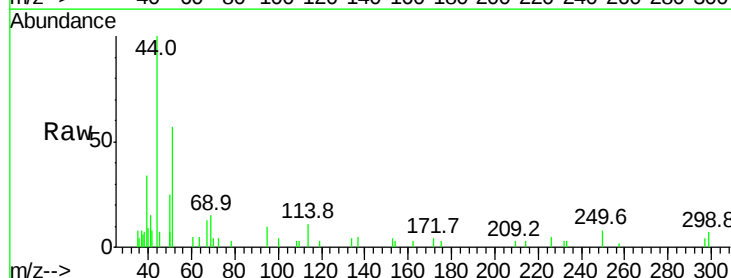
Acq: 10 Dec 2020 22:15

Tgt Ion: 51 Resp: 9394

Ion Ratio Lower Upper

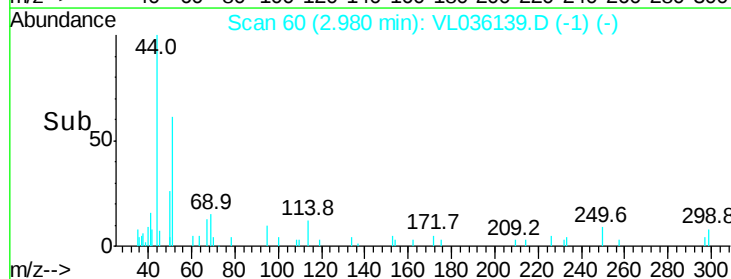
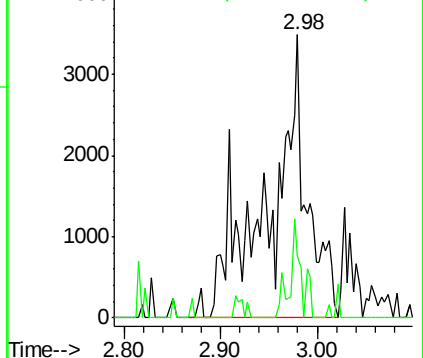
51 100

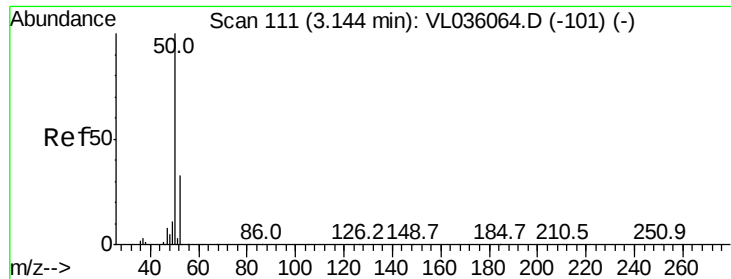
67 10.6 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.031 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036139.D

Acq: 10 Dec 2020 22:15

Instrument :

MSVOA_L

ClientSampleId :

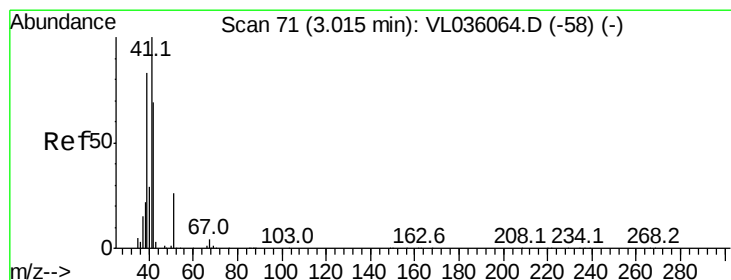
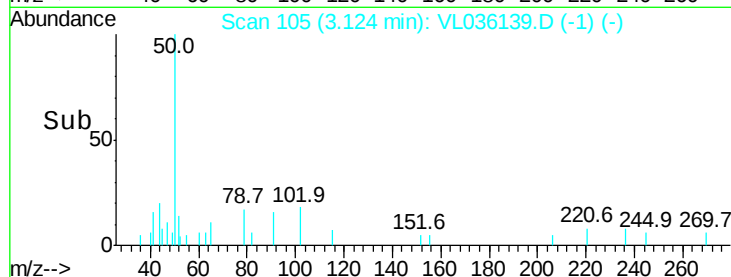
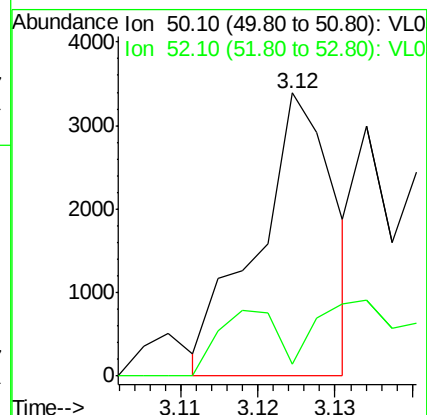
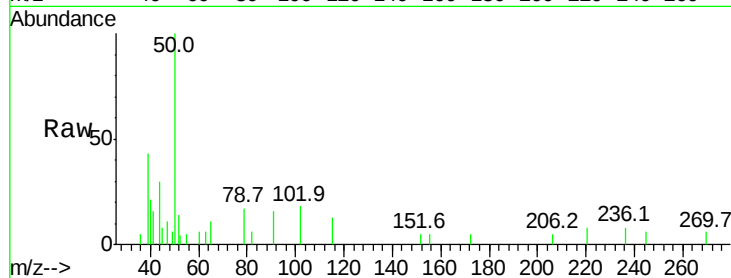
OFFSITE-SG-1

Tgt Ion: 50 Resp: 2352

Ion Ratio Lower Upper

50 100

52 4.8 26.1 39.1#



#9

Propene

Concen: 0.101 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036139.D

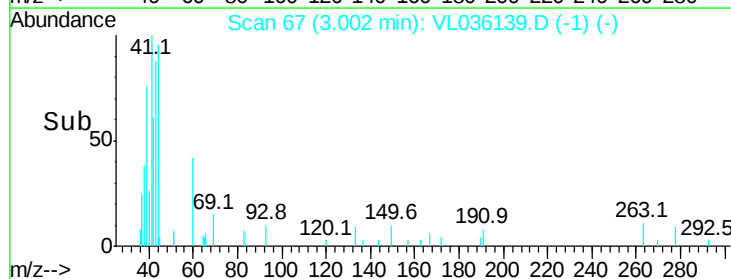
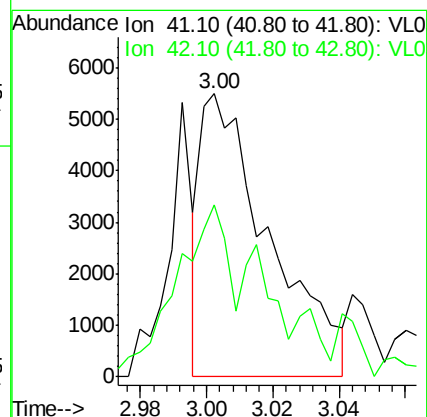
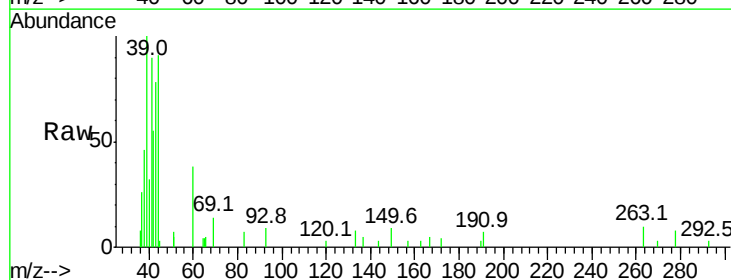
Acq: 10 Dec 2020 22:15

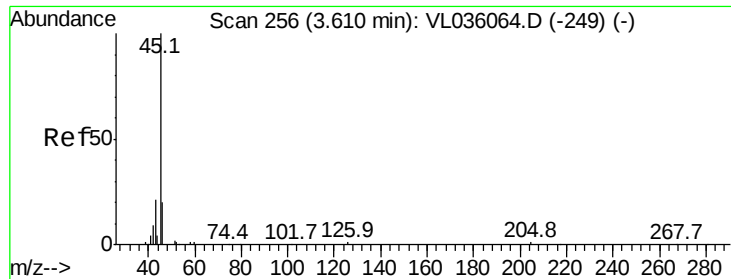
Tgt Ion: 41 Resp: 7875

Ion Ratio Lower Upper

41 100

42 89.4 57.0 85.6#





#13

Ethanol

Concen: 0.081 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036139.D

Acq: 10 Dec 2020 22:15

Instrument :

MSVOA_L

ClientSampleId :

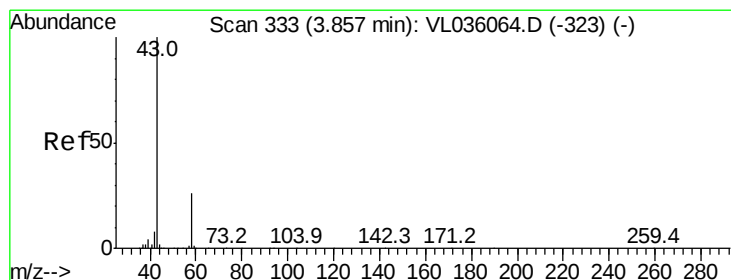
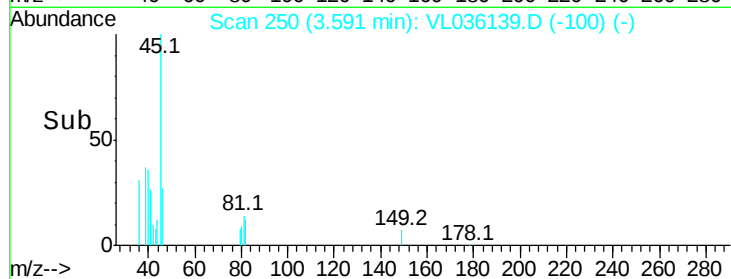
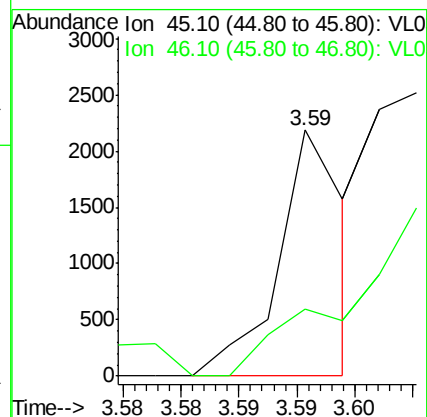
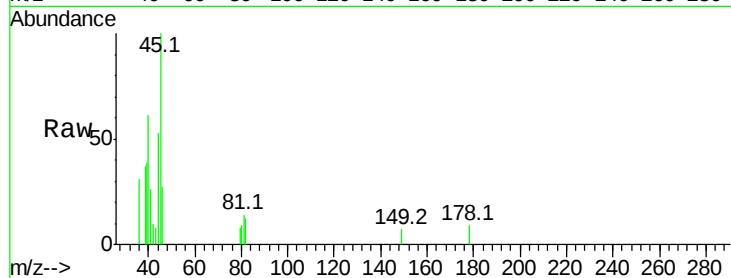
OFFSITE-SG-1

Tgt Ion: 45 Resp: 877

Ion Ratio Lower Upper

45 100

46 0.0 19.0 75.8#



#15

Acetone

Concen: 0.361 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL036139.D

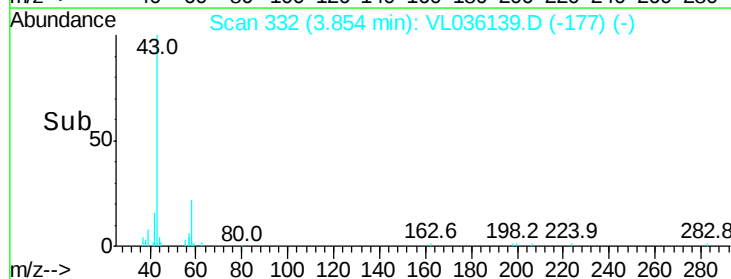
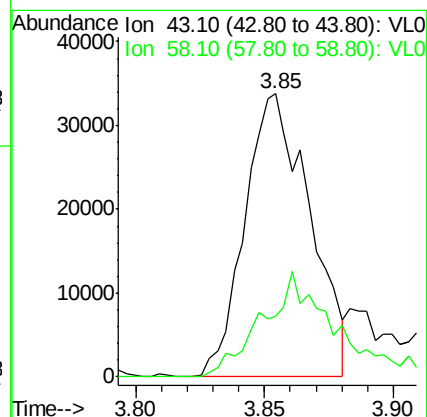
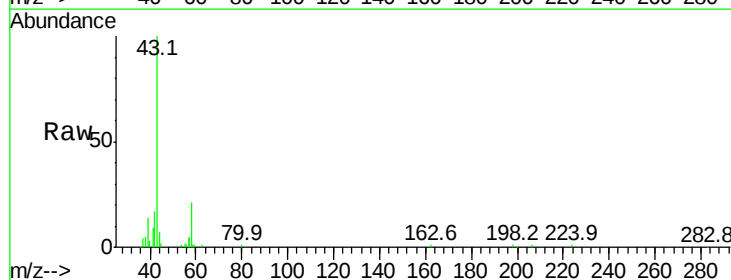
Acq: 10 Dec 2020 22:15

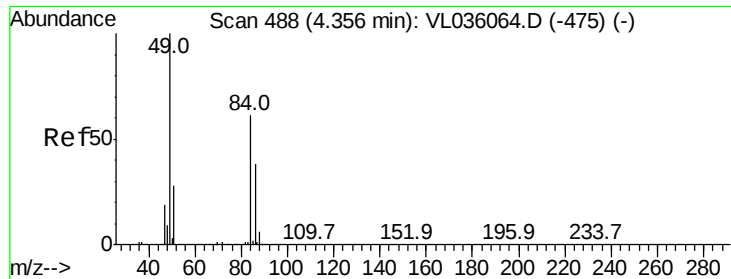
Tgt Ion: 43 Resp: 59302

Ion Ratio Lower Upper

43 100

58 41.1 20.9 31.3#

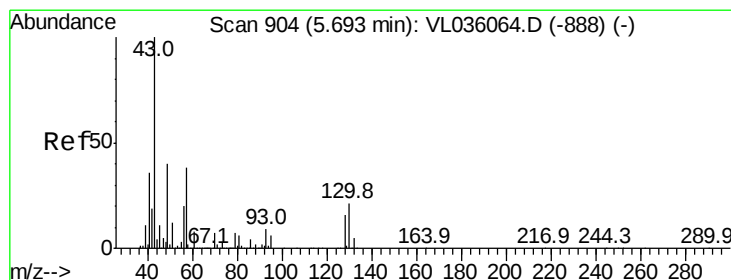
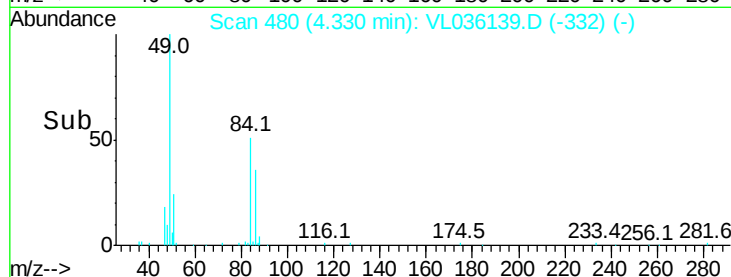
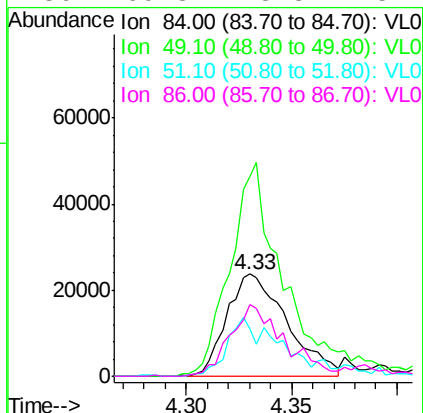
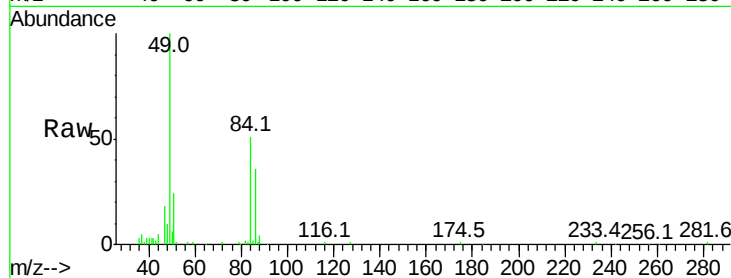




#20
Methylene Chloride
Concen: 0.700 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036139.D
Acq: 10 Dec 2020 22:15

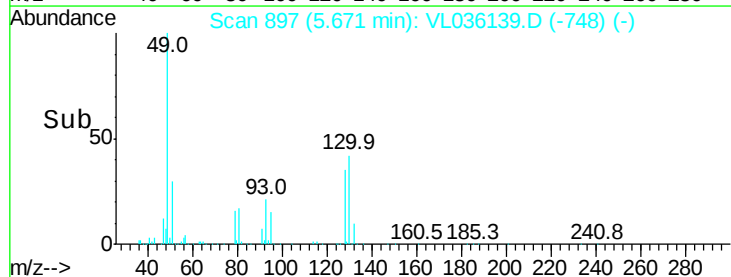
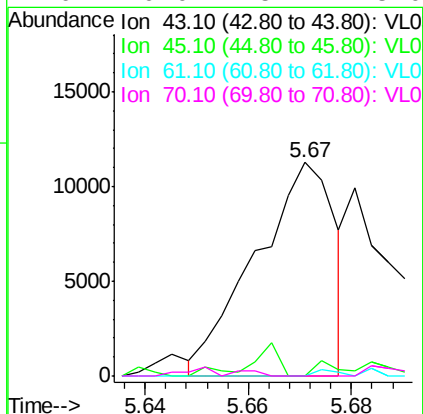
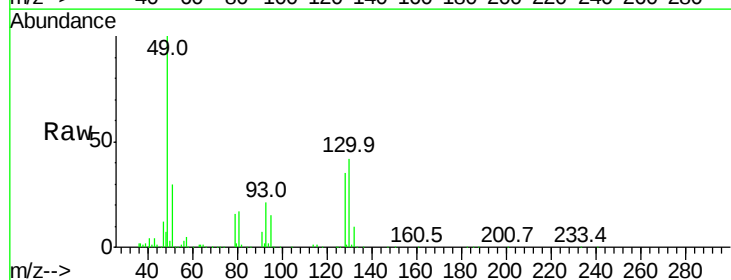
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1

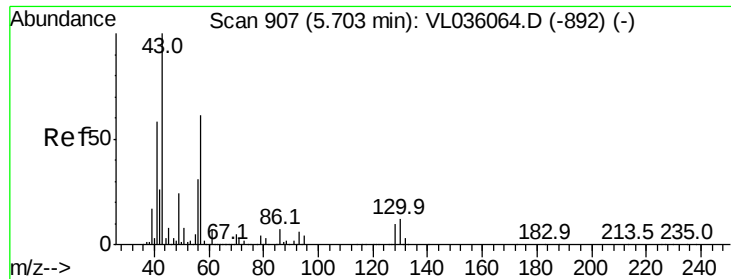
Tgt Ion:	84	Resp:	47144
Ion	Ratio	Lower	Upper
84	100		
49	193.2	133.0	199.4
51	45.7	38.9	58.3
86	69.8	48.8	73.2



#25
Ethyl Acetate
Concen: 0.037 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036139.D
Acq: 10 Dec 2020 22:15

Tgt Ion:	43	Resp:	12002
Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.2	12.4
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#

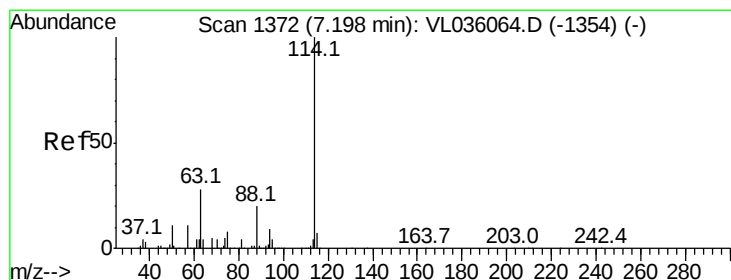
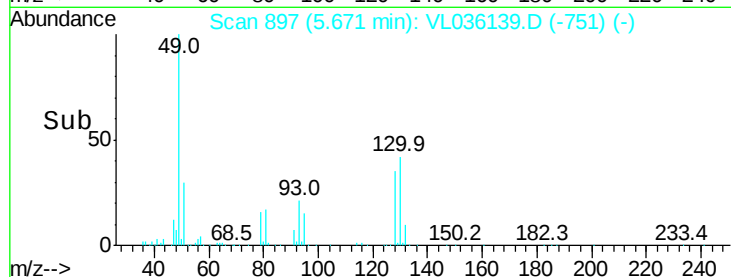
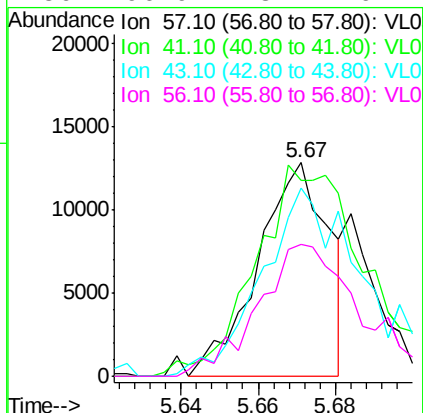
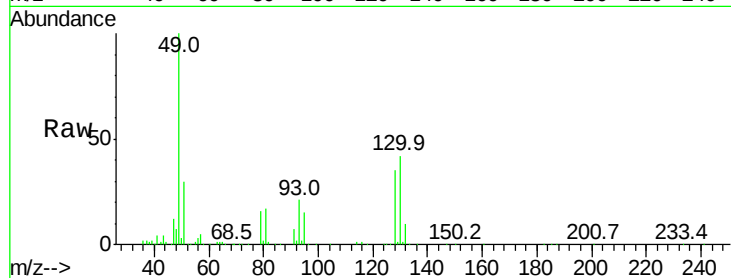




#26
Hexane
Concen: 0.110 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036139.D
Acq: 10 Dec 2020 22:15

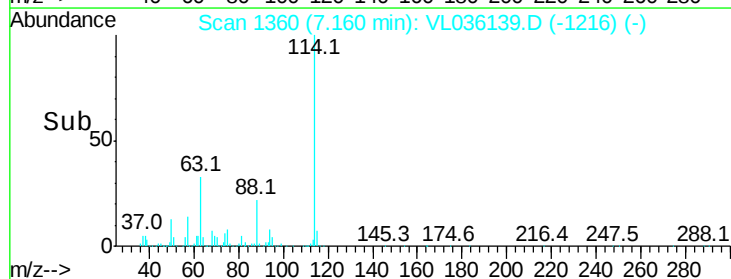
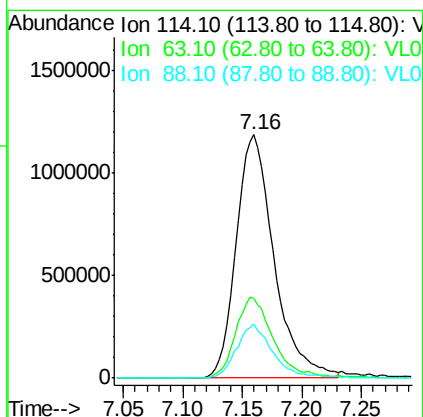
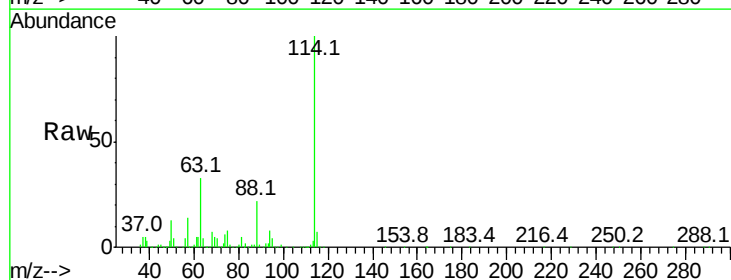
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1

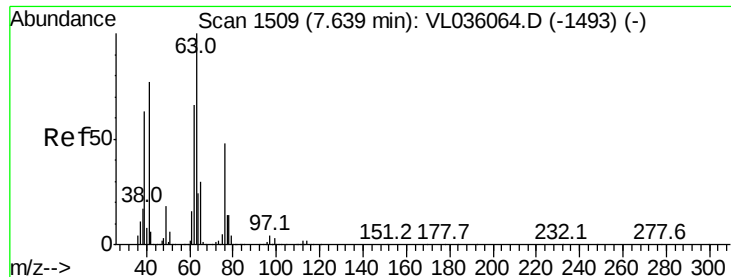
Tgt Ion: 57 Resp: 16236
Ion Ratio Lower Upper
57 100
41 156.2 82.9 124.3#
43 145.4 199.9 299.9#
56 96.9 43.1 64.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VL036139.D
Acq: 10 Dec 2020 22:15

Tgt Ion: 114 Resp: 2621019
Ion Ratio Lower Upper
114 100
63 33.6 23.6 35.4
88 21.5 15.8 23.6





#39

1,2-Dichloropropane

Concen: 9.698 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.48 min

Lab File: VL036139.D

Acq: 10 Dec 2020 22:15

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-1

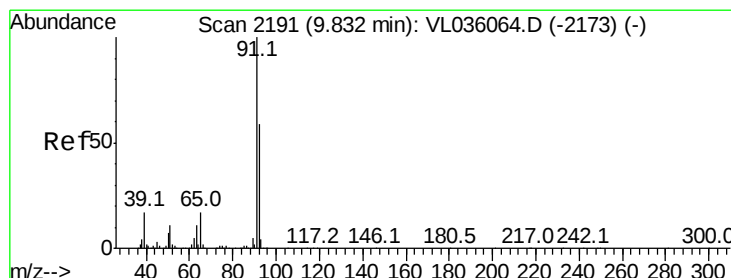
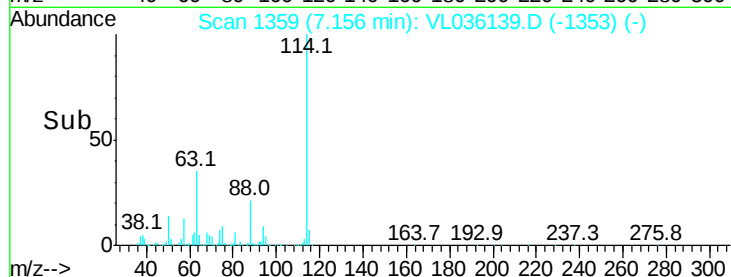
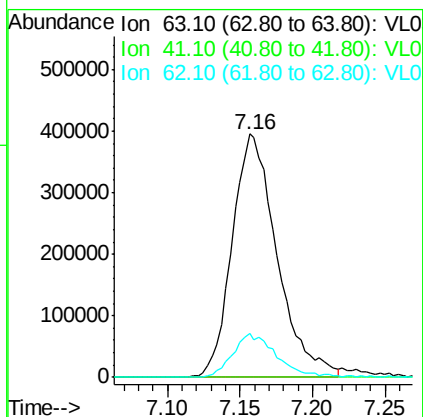
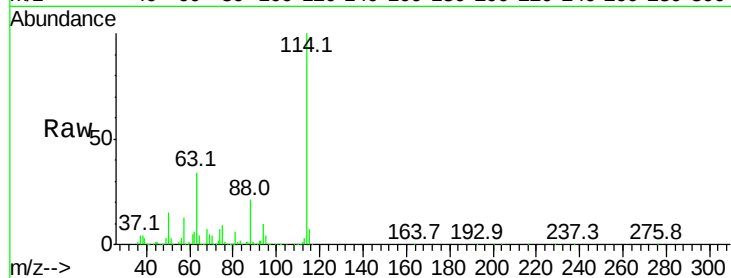
Tgt Ion: 63 Resp: 850720

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

62 17.9 52.5 78.7#



#53

Toluene

Concen: 0.098 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.04 min

Lab File: VL036139.D

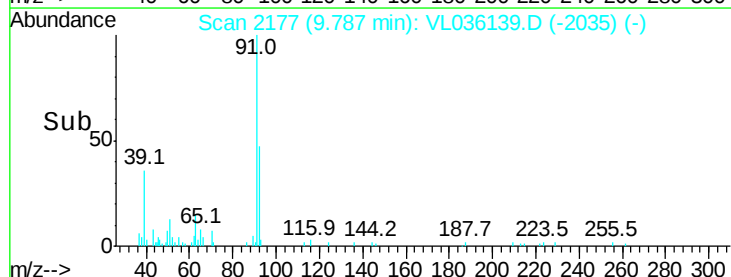
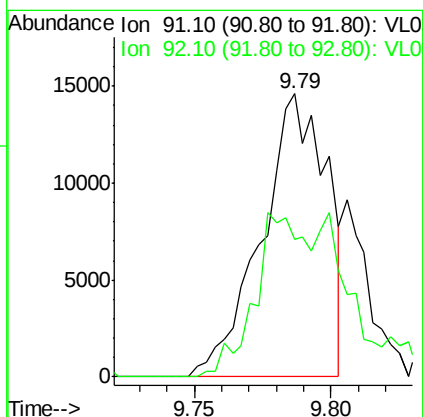
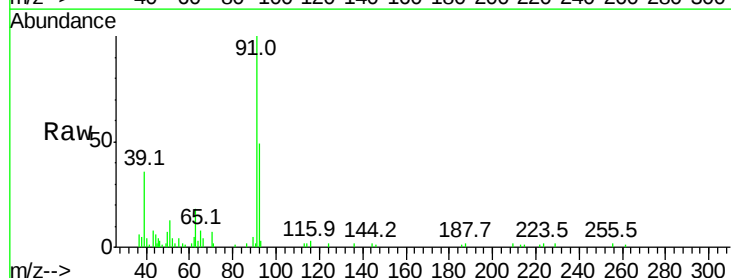
Acq: 10 Dec 2020 22:15

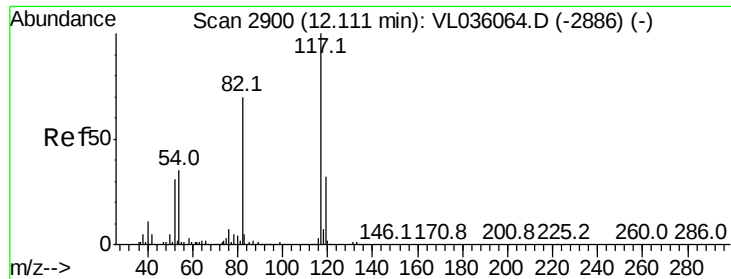
Tgt Ion: 91 Resp: 24346

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#

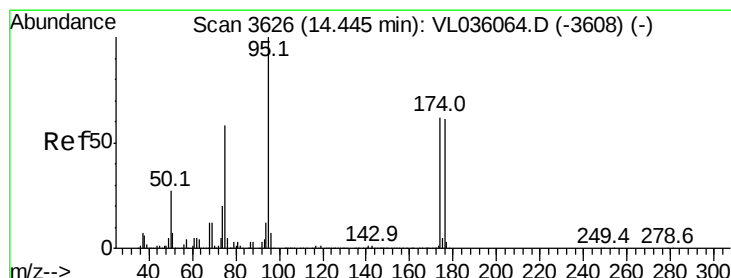
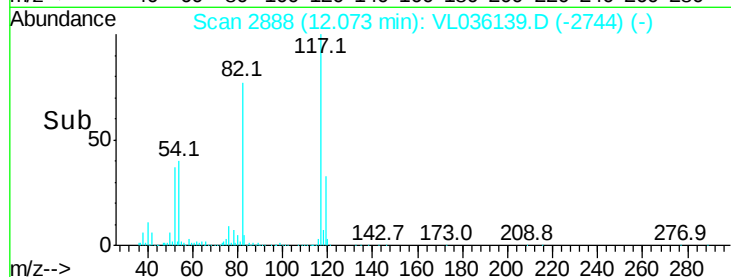
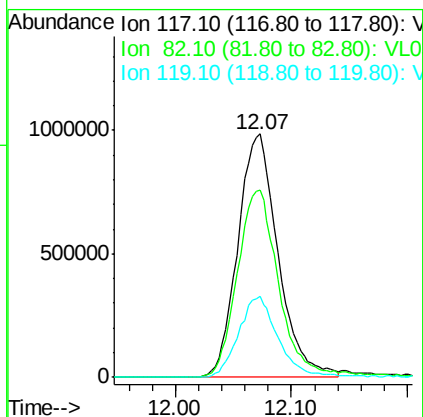
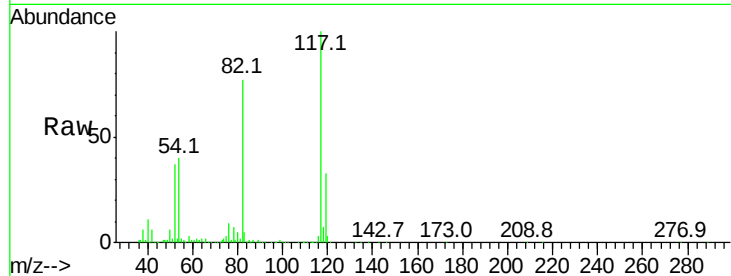




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. -0.04 min
 Lab File: VL036139.D
 Acq: 10 Dec 2020 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-SG-1

Tgt Ion: 117 Resp: 2375434
 Ion Ratio Lower Upper
 117 100
 82 81.3 0.0 0.0#
 119 32.9 0.0 0.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.853 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.04 min
 Lab File: VL036139.D
 Acq: 10 Dec 2020 22:15

Tgt Ion: 95 Resp: 2047015
 Ion Ratio Lower Upper
 95 100
 174 54.6 50.7 76.1
 175 3.8 4.0 6.0#

