

Data File : VL036137.D
Acq On : 10 Dec 2020 20:59
Operator : SY/AP
Sample : L4930-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

Quant Time: Dec 11 03:30:42 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	1327119	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2692070	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2387096	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2063521	10.89	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

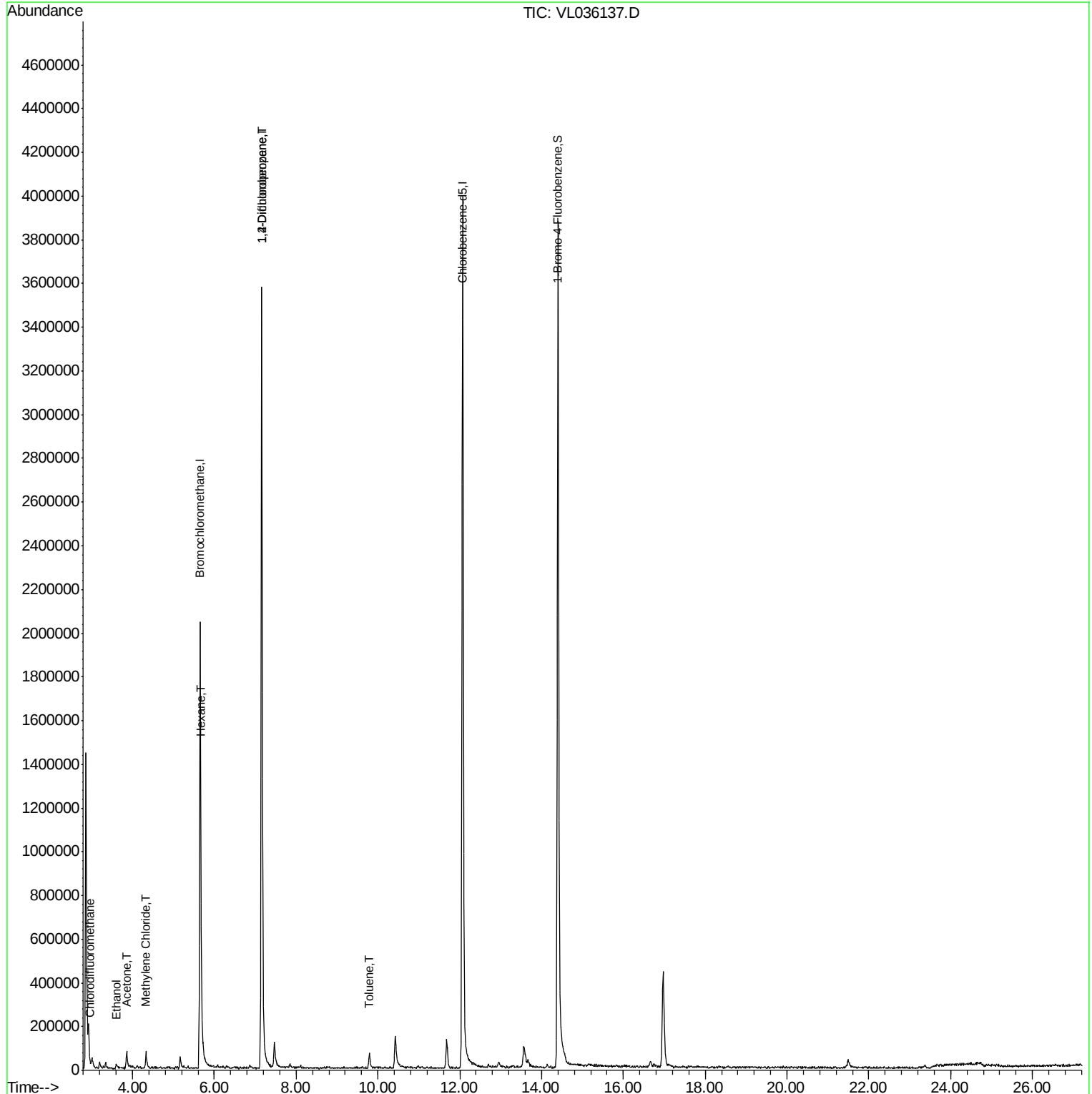
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	6453	0.043	ppbv	96
13) Ethanol	3.61	45	12762	1.220	ppbv #	23
15) Acetone	3.85	43	74550	0.467	ppbv #	68
20) Methylene Chloride	4.33	84	18099	0.277	ppbv #	74
26) Hexane	5.67	57	7991	0.056	ppbv #	59
39) 1,2-Dichloropropane	7.16	63	853669	9.475	ppbv #	24
53) Toluene	9.78	91	12397	0.048	ppbv #	21

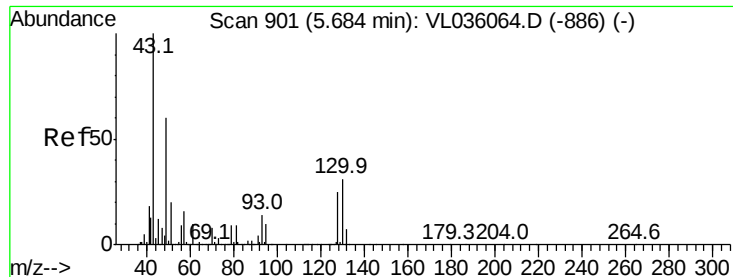
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.04 min

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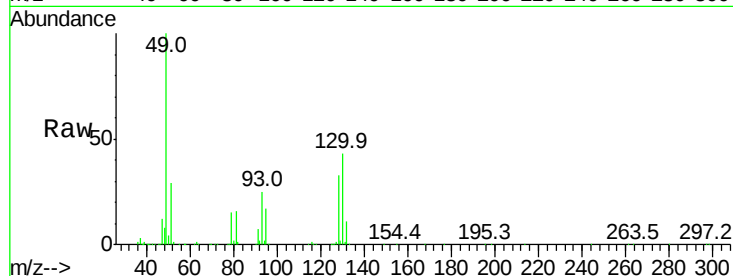
Tgt Ion: 49 Resp: 1327119

Ion Ratio Lower Upper

49 100

128 36.2 21.1 63.1

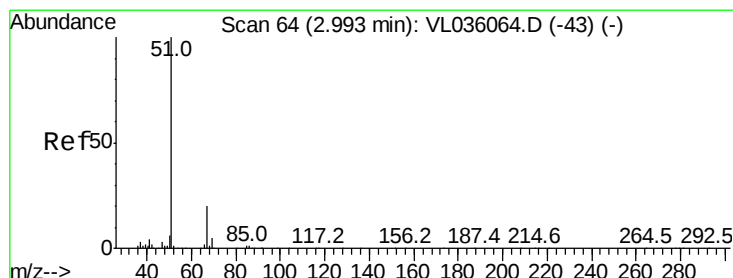
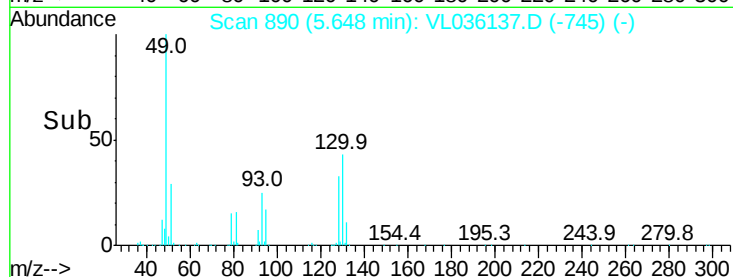
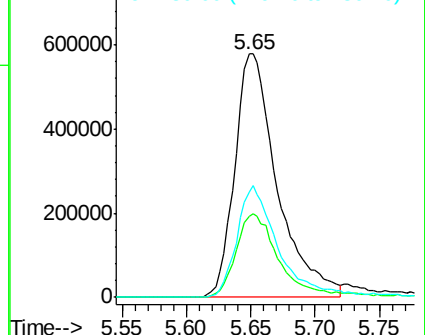
130 46.0 27.1 81.3



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: 0.043 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL036137.D

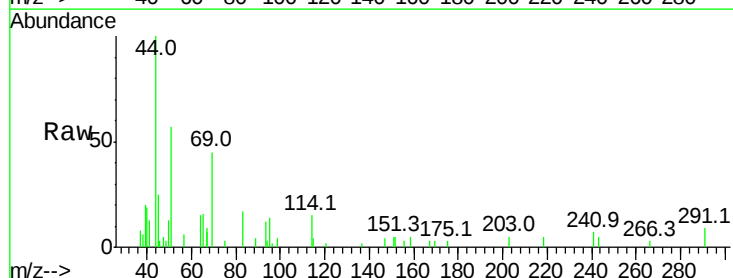
Acq: 10 Dec 2020 20:59

Tgt Ion: 51 Resp: 6453

Ion Ratio Lower Upper

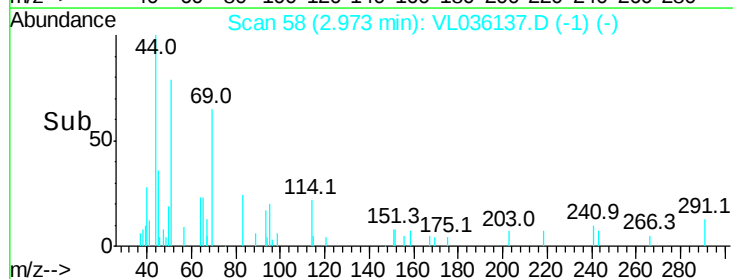
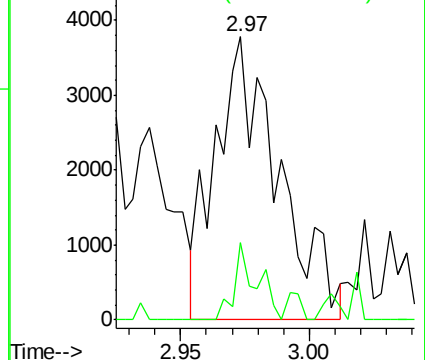
51 100

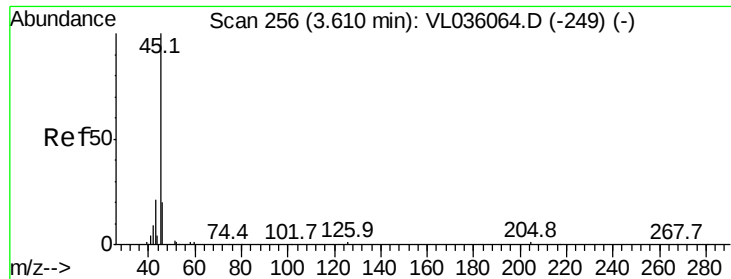
67 15.9 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 1.220 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036137.D

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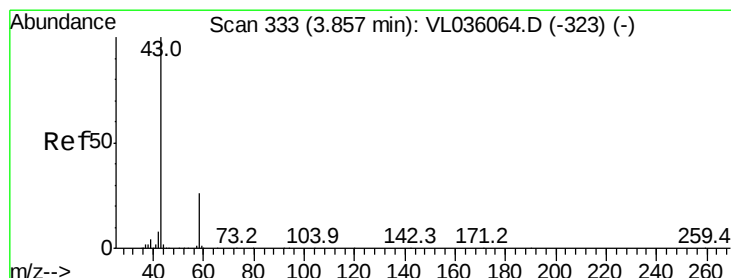
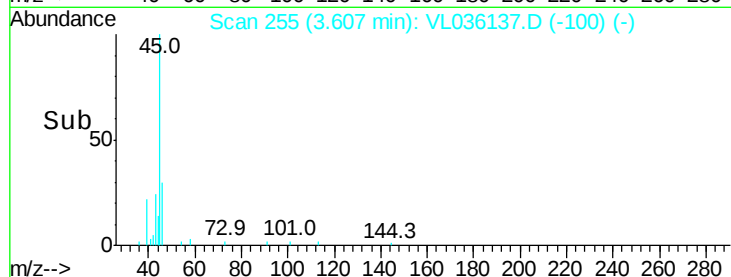
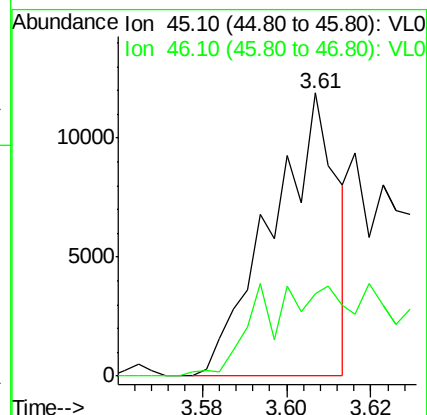
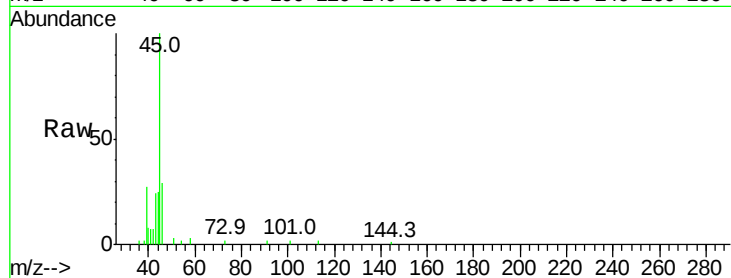
OFFSITE-SG-2

Tgt Ion: 45 Resp: 12762

Ion Ratio Lower Upper

45 100

46 99.3 19.0 75.8#



#15

Acetone

Concen: 0.467 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL036137.D

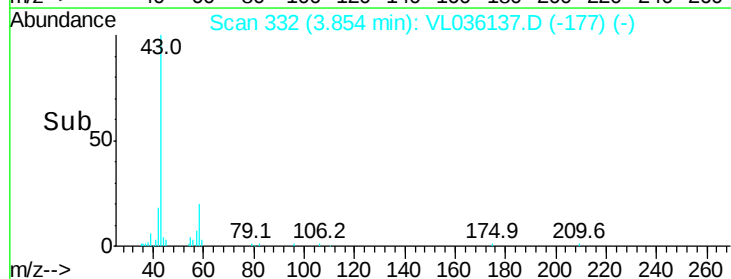
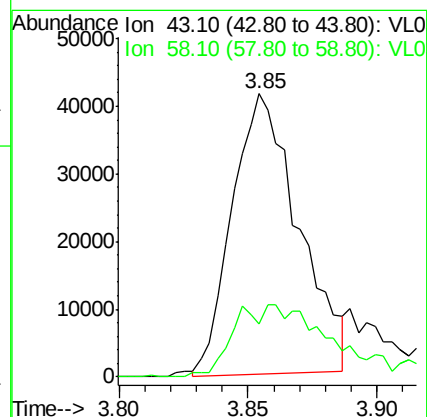
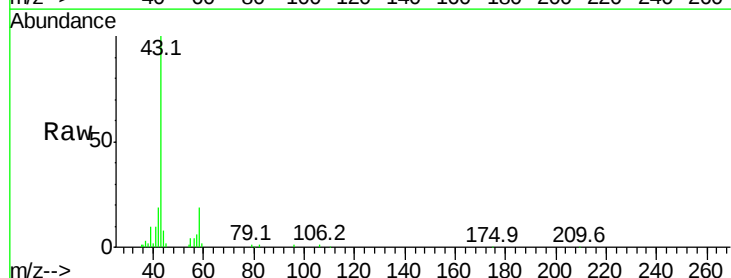
Acq: 10 Dec 2020 20:59

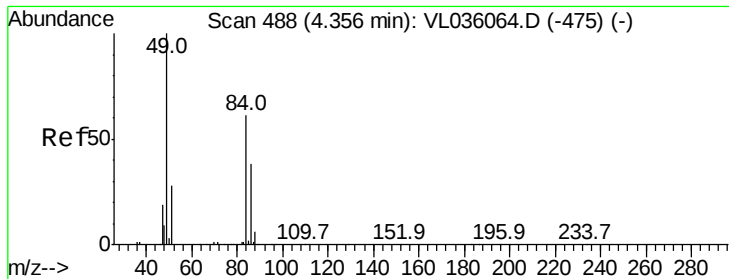
Tgt Ion: 43 Resp: 74550

Ion Ratio Lower Upper

43 100

58 42.4 20.9 31.3#

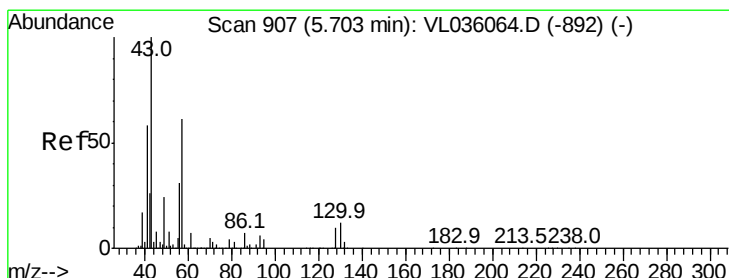
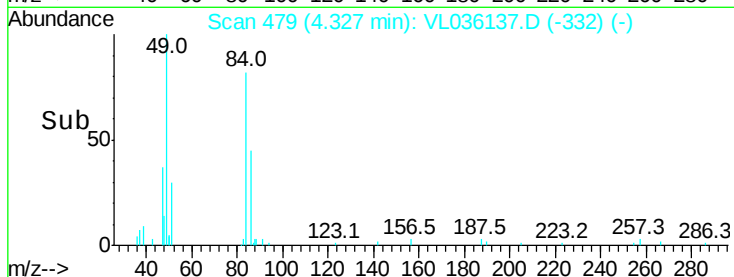
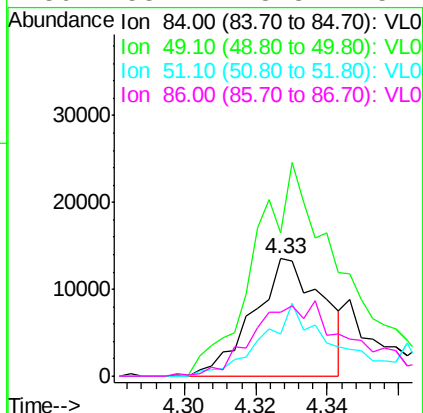
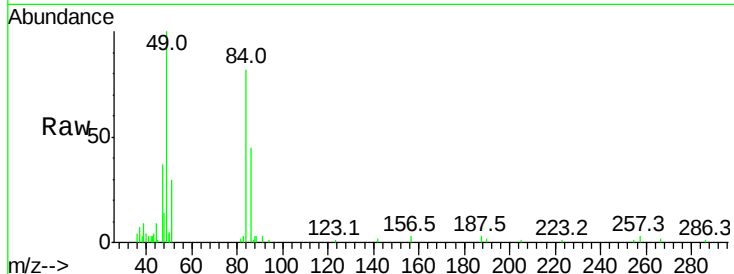




#20
Methylene Chloride
Concen: 0.277 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.03 min
Lab File: VL036137.D
Acq: 10 Dec 2020 20:59

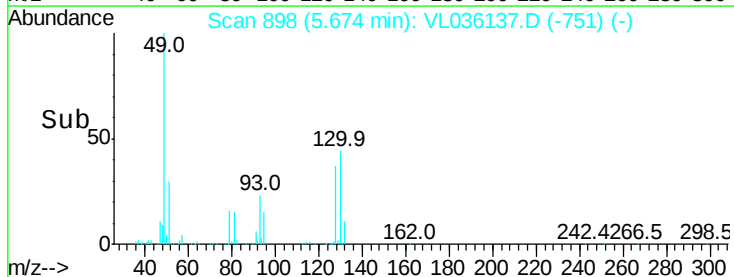
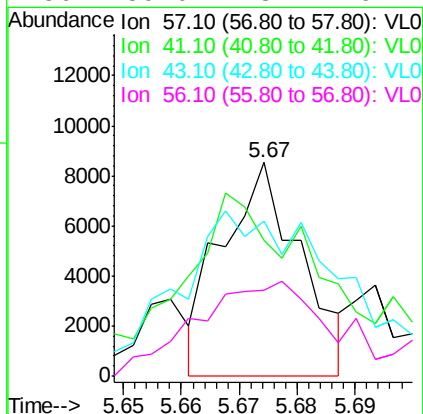
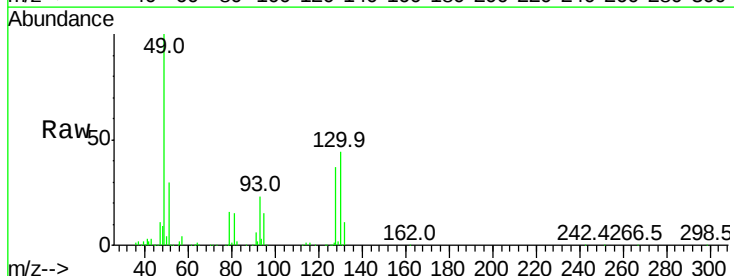
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2

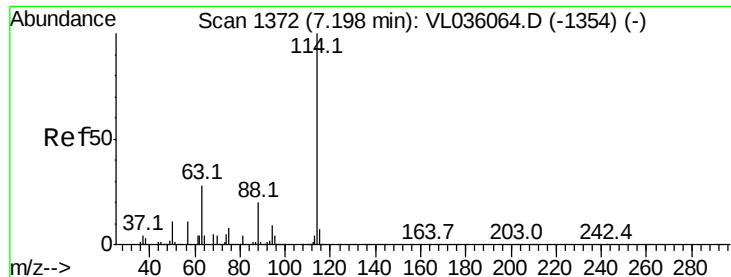
Tgt Ion:	84	Resp:	18099
Ion	Ratio	Lower	Upper
84	100		
49	120.5	133.0	199.4#
51	36.5	38.9	58.3#
86	53.4	48.8	73.2



#26
Hexane
Concen: 0.056 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL036137.D
Acq: 10 Dec 2020 20:59

Tgt Ion:	57	Resp:	7991
Ion	Ratio	Lower	Upper
57	100		
41	176.9	82.9	124.3#
43	202.8	199.9	299.9
56	89.0	43.1	64.7#

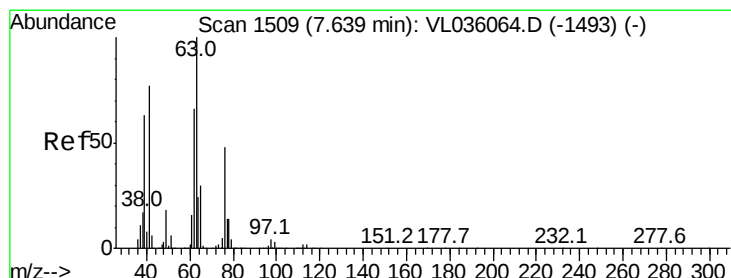
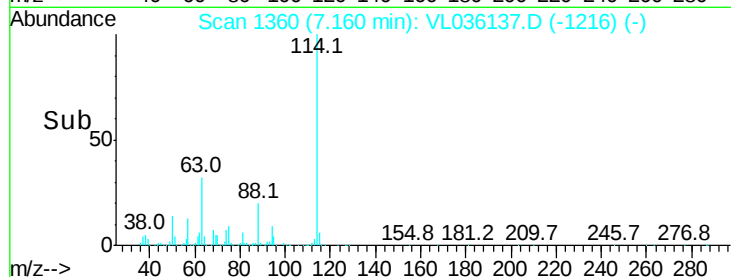
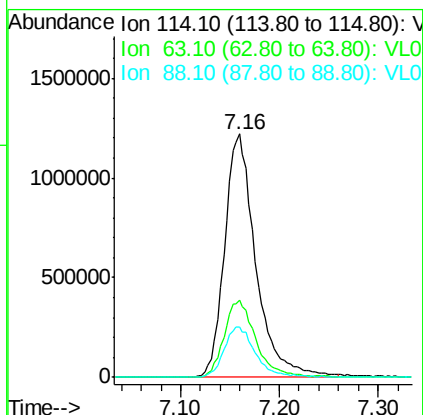
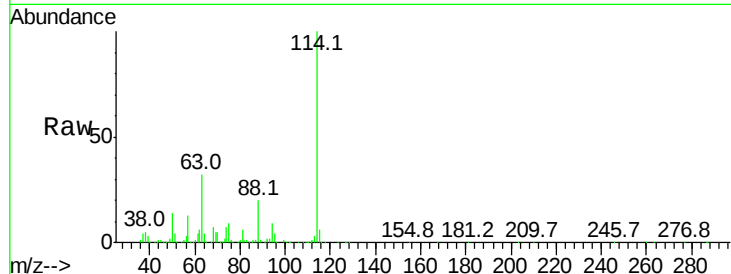




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.04 min
 Lab File: VL036137.D
 Acq: 10 Dec 2020 20:59

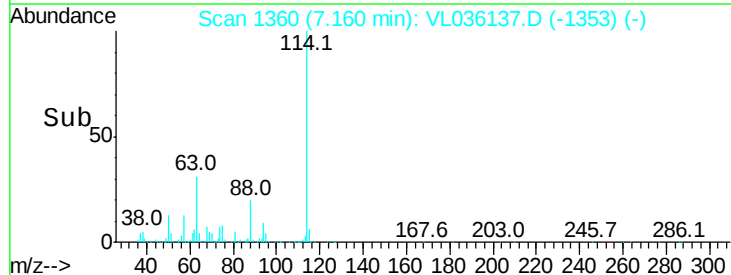
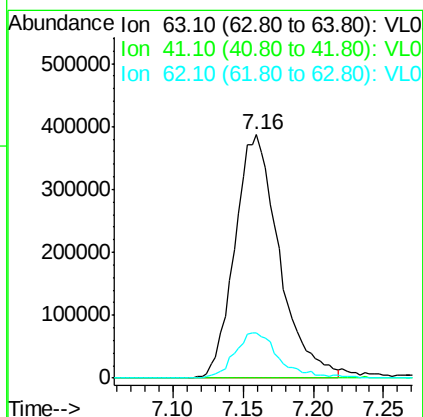
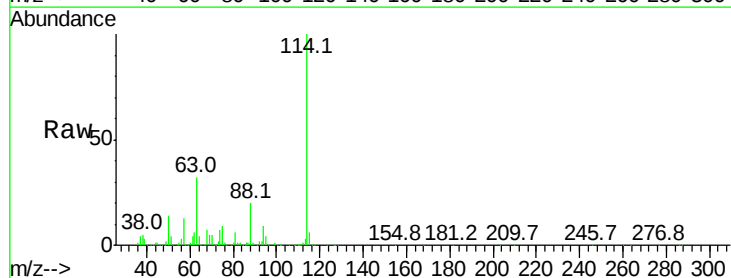
Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-SG-2

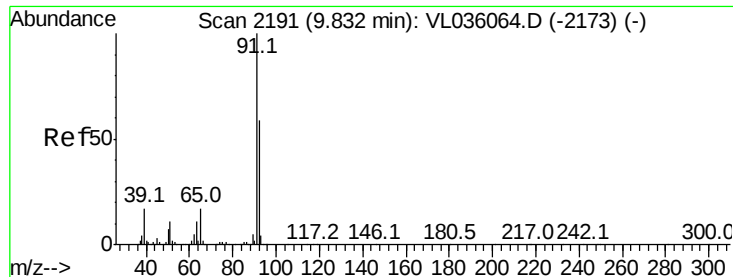
Tgt Ion: 114 Resp: 2692070
 Ion Ratio Lower Upper
 114 100
 63 32.7 23.6 35.4
 88 21.0 15.8 23.6



#39
 1,2-Dichloropropane
 Concen: 9.475 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.48 min
 Lab File: VL036137.D
 Acq: 10 Dec 2020 20:59

Tgt Ion: 63 Resp: 853669
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 18.5 52.5 78.7#





#53

Toluene

Concen: 0.048 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.05 min

Lab File: VL036137.D

Acq: 10 Dec 2020 20:59

Instrument :

MSVOA_L

ClientSampleId :

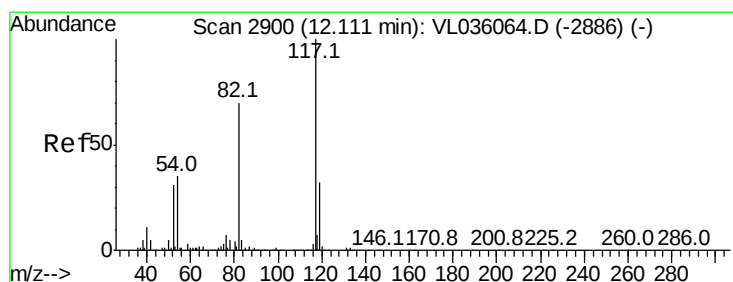
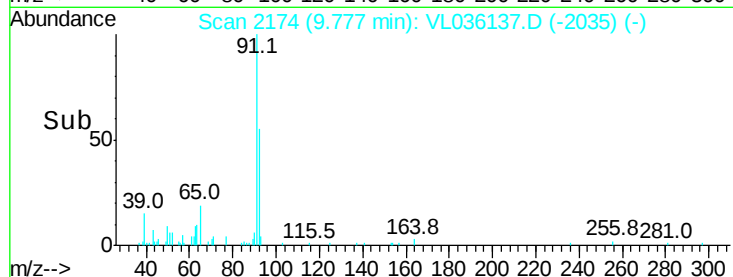
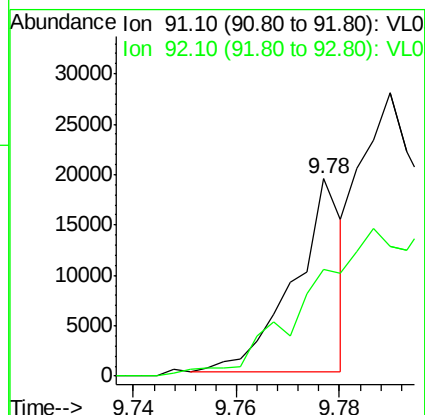
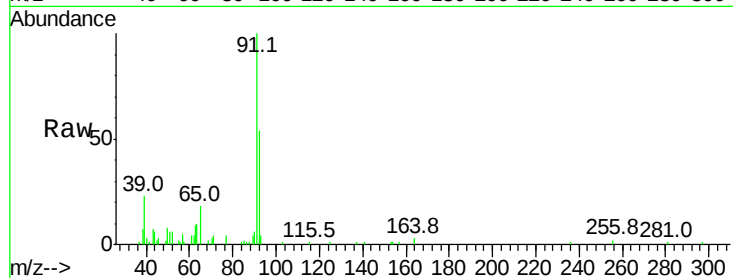
OFFSITE-SG-2

Tgt Ion: 91 Resp: 12397

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# 2887

Delta R.T. -0.04 min

Lab File: VL036137.D

Acq: 10 Dec 2020 20:59

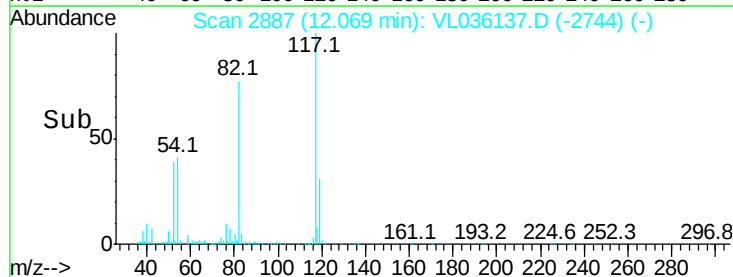
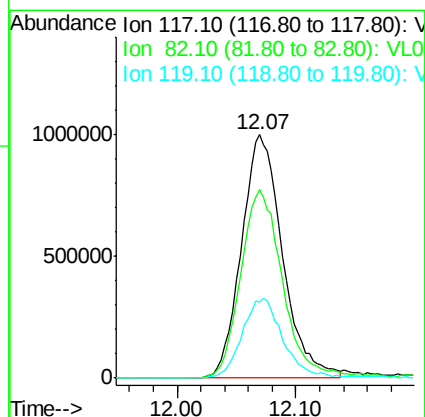
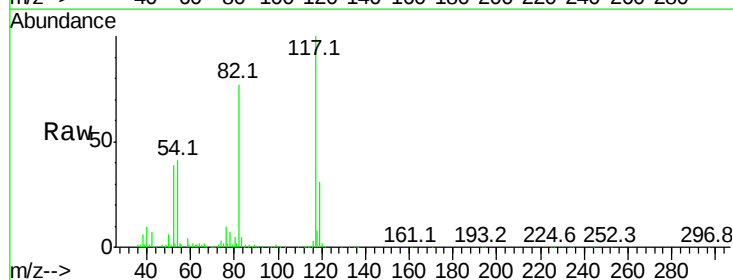
Tgt Ion: 117 Resp: 2387096

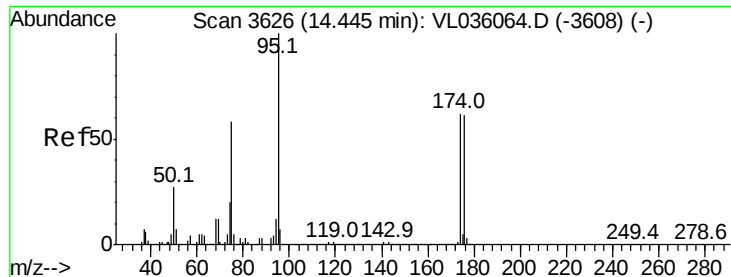
Ion Ratio Lower Upper

117 100

82 80.5 0.0 0.0#

119 33.3 0.0 0.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.887 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.04 min

Lab File: VL036137.D

Acq: 10 Dec 2020 20:59

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-2

Tgt Ion: 95 Resp: 2063521

Ion Ratio Lower Upper

95 100

174 54.5 50.7 76.1

175 4.0 4.0 6.0#

