

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037916.D
 Acq On : 27 Oct 2021 14:56
 Operator : SY/AP
 Sample : M4377-02 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VMP-5-IMPLANT

Quant Time: Oct 28 05:18:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1460122	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4195785	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3546220	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2405931	9.70	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

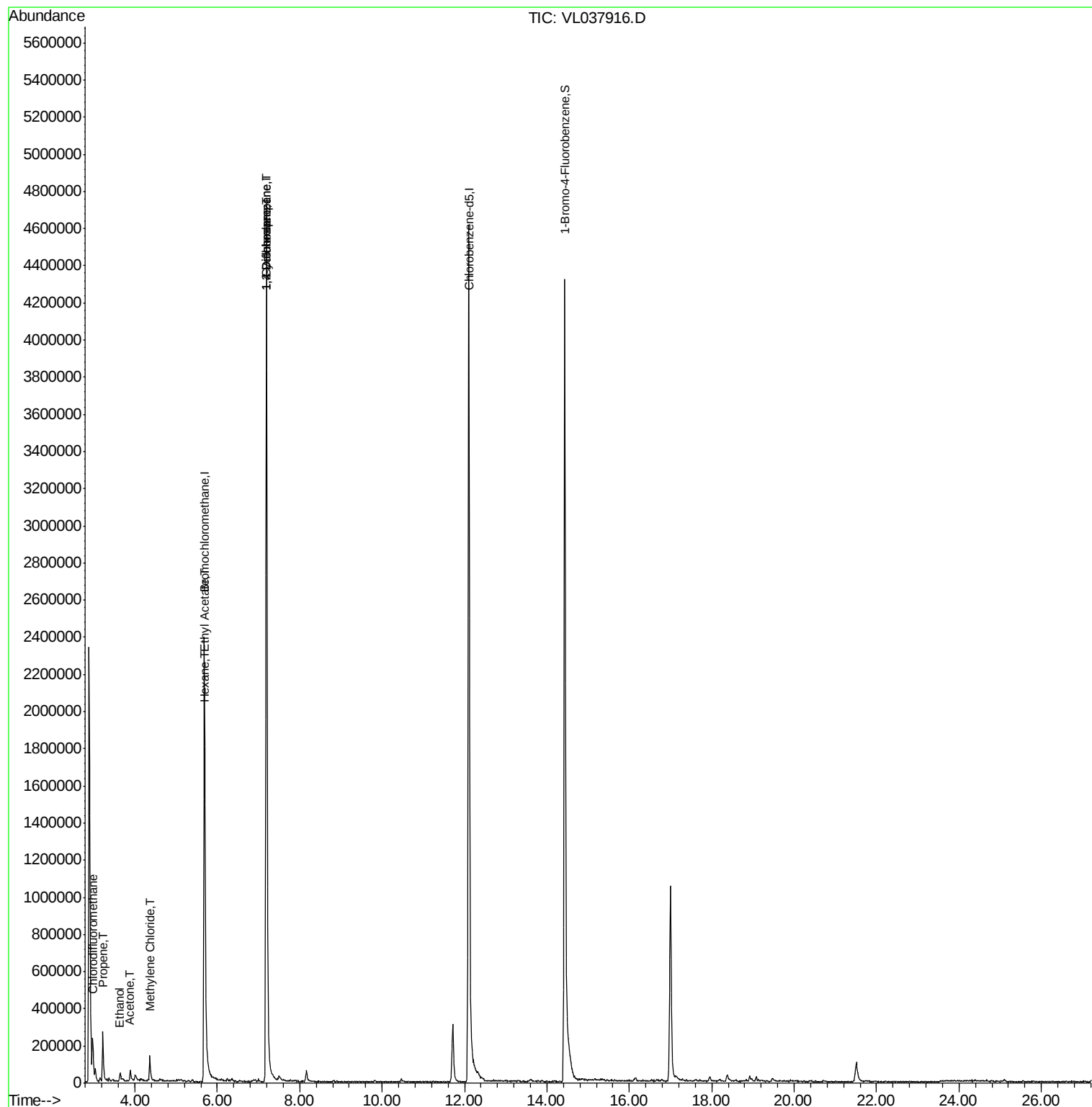
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	166229	0.593	ppbv #	62
9) Propene	3.22	41	89166	0.864	ppbv	88
13) Ethanol	3.64	45	56920	6.742	ppbv	98
15) Acetone	3.89	43	49863	0.380	ppbv #	63
20) Methylene Chloride	4.37	84	41220	0.622	ppbv #	80
25) Ethyl Acetate	5.70	43	13733	0.037	ppbv #	85
26) Hexane	5.71	57	14684	0.081	ppbv #	34
30) Cyclohexane	7.18	84	4813	0.031	ppbv #	5
39) 1,2-Dichloropropane	7.19	63	977979	7.255	ppbv #	28

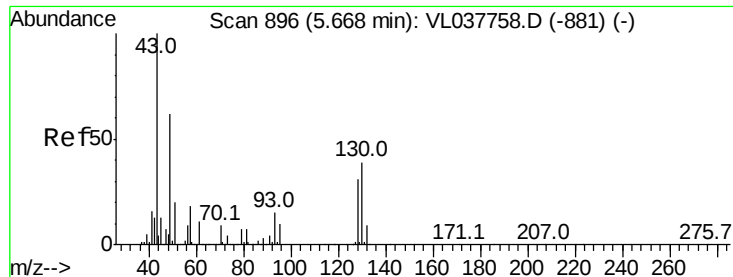
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 14:56

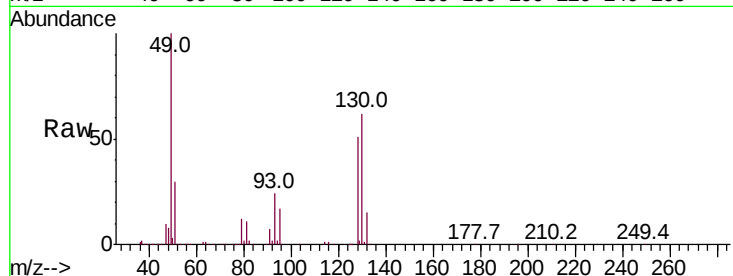
Tot Ion: 49 Resp: 1460122

Ion Ratio Lower Upper

49 100

128 52.9 27.1 81.3

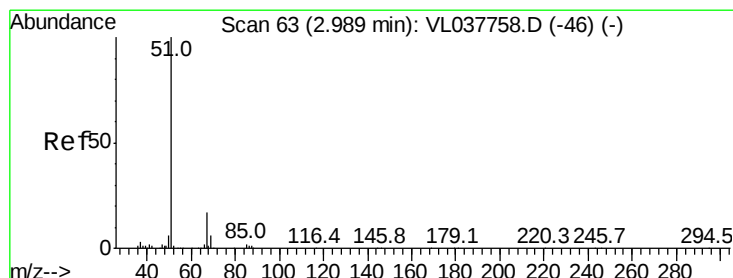
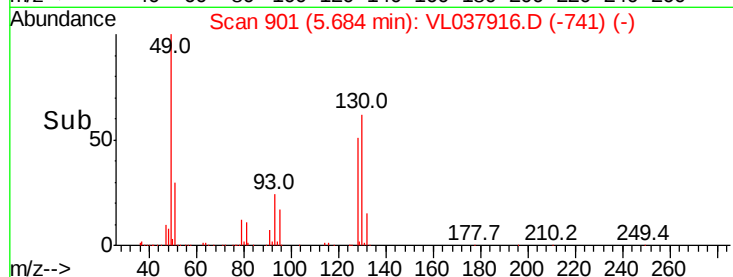
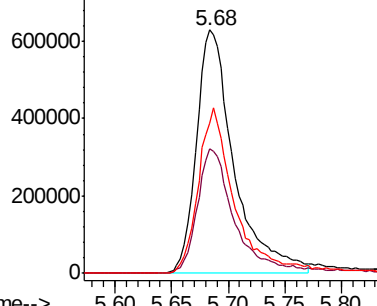
130 67.8 33.2 99.6



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



#3

Chlorodifluoromethane

Concen: 0.593 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037916.D

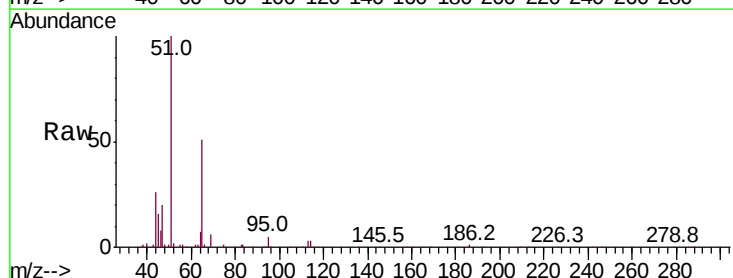
Acq: 27 Oct 2021 14:56

Tgt Ion: 51 Resp: 166229

Ion Ratio Lower Upper

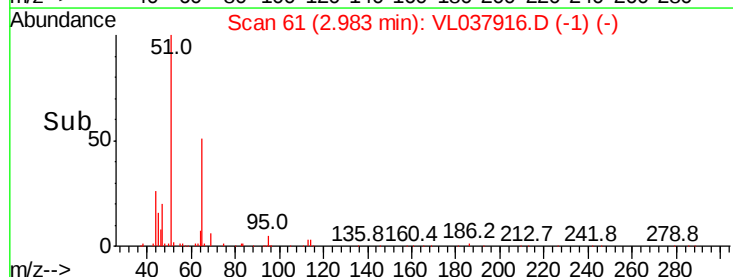
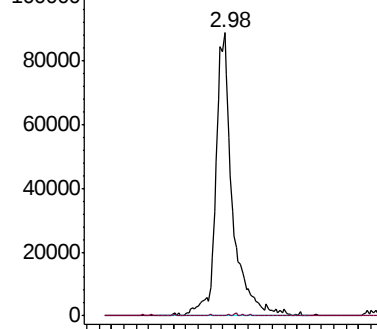
51 100

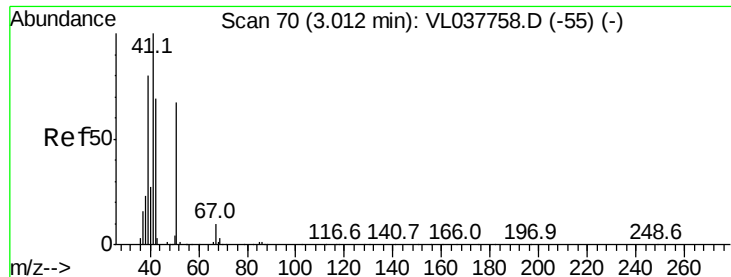
67 0.5 13.5 20.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.864 ppbv

RT: 3.22 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

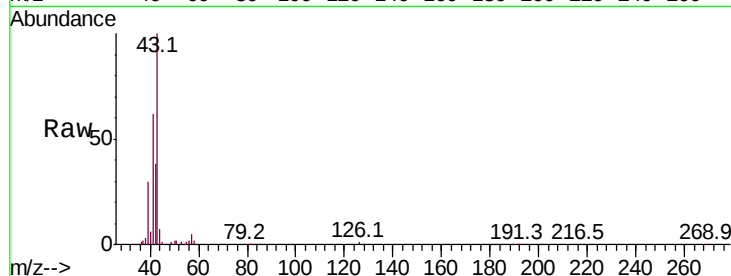
Acq: 27 Oct 2021 14:56 VMP-5-IMPLANT

Tot Ion: 41 Resp: 89166

Ion Ratio Lower Upper

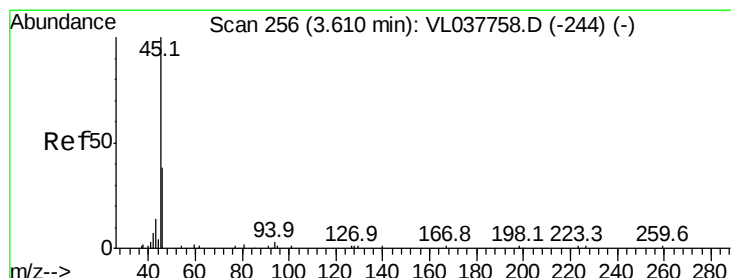
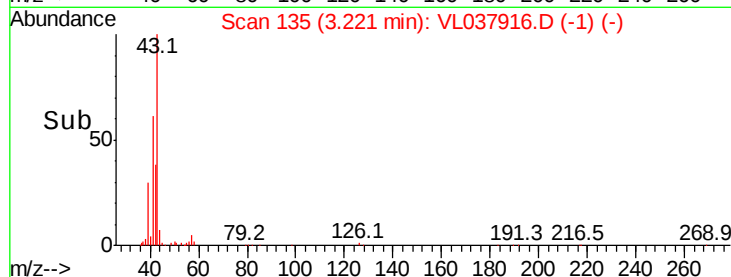
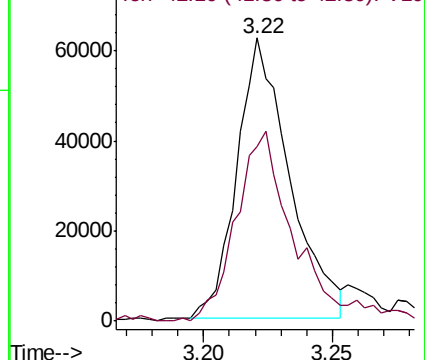
41 100

42 77.5 54.2 81.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 6.742 ppbv

RT: 3.64 min Scan# 266

Delta R.T. 0.03 min

Lab File: VL037916.D

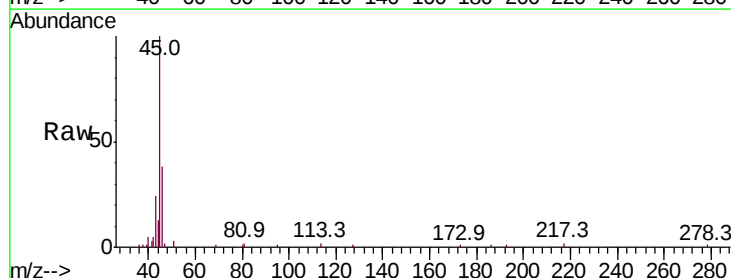
Acq: 27 Oct 2021 14:56

Tgt Ion: 45 Resp: 56920

Ion Ratio Lower Upper

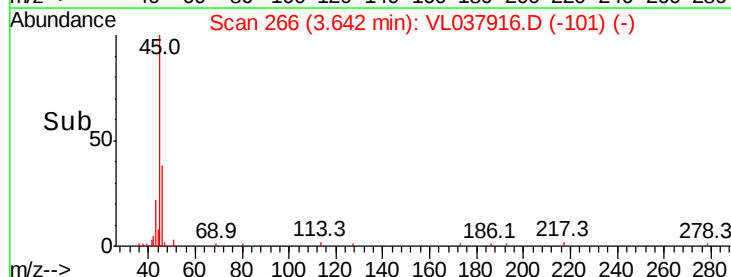
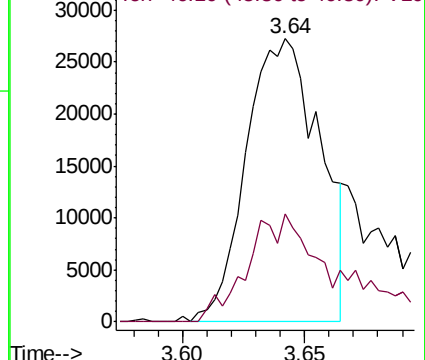
45 100

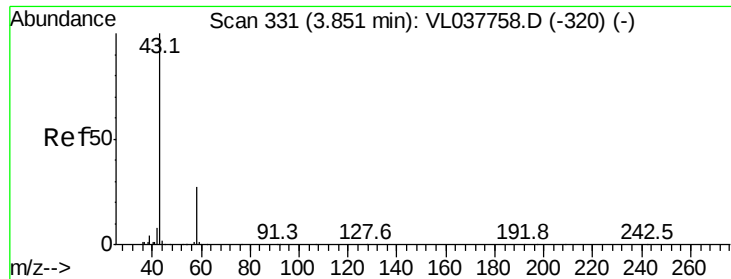
46 49.2 20.2 81.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

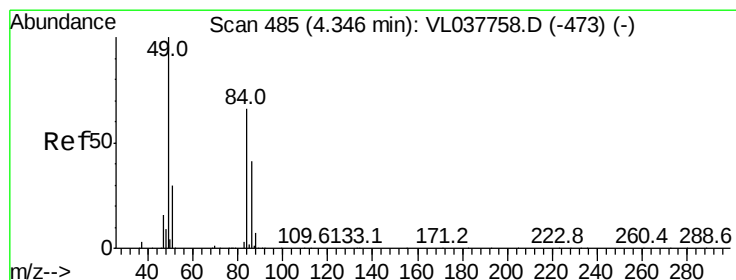
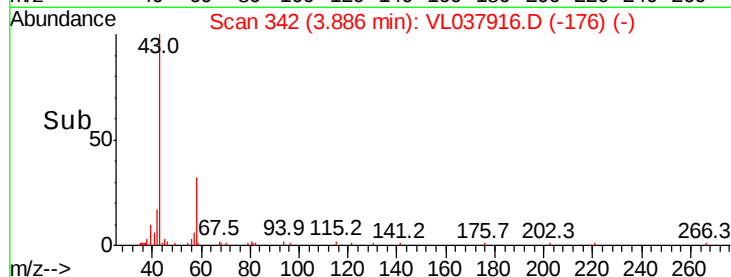
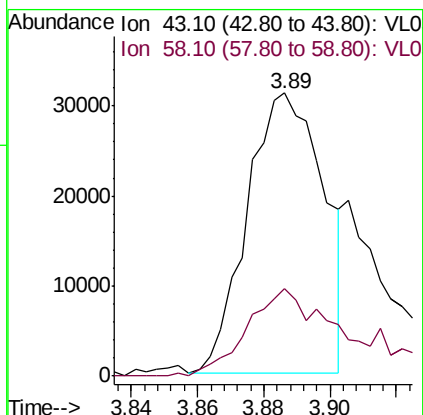
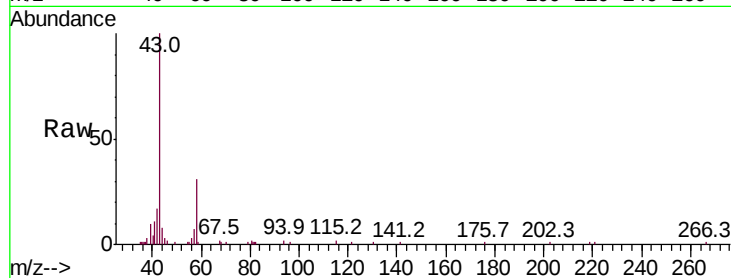
Ion 46.10 (45.80 to 46.80): VL0





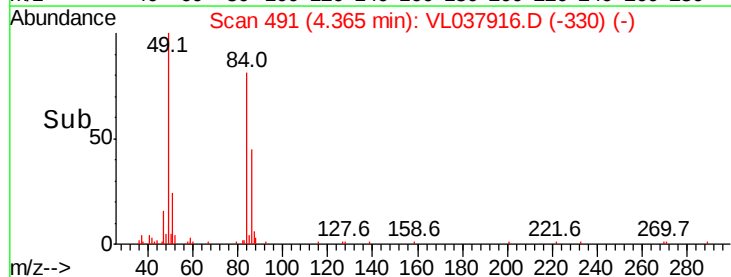
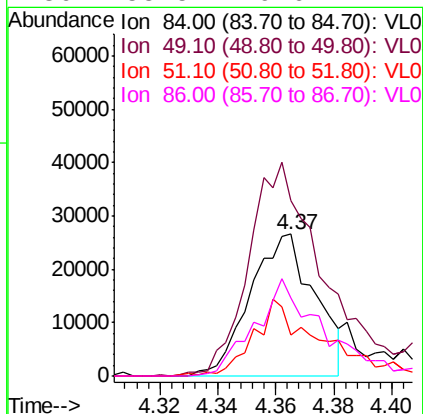
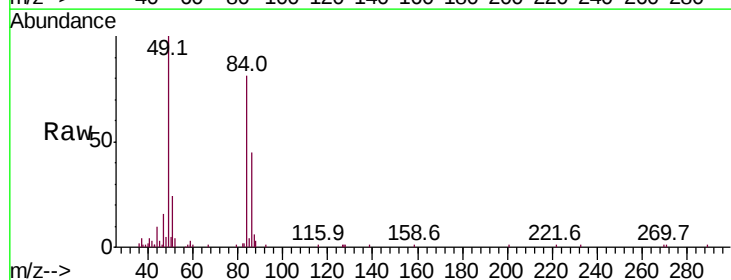
#15
Acetone
Concen: 0.380 ppbv
RT: 3.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
VMP-5-IMPLANT
Acq: 27 Oct 2021 14:56

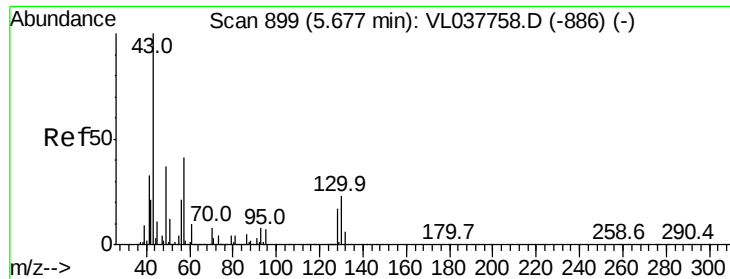
Tot Ion: 43 Resp: 49863
Ion Ratio Lower Upper
43 100
58 48.5 23.0 34.6#



#20
Methylene Chloride
Concen: 0.622 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.02 min
Lab File: VL037916.D
Acq: 27 Oct 2021 14:56

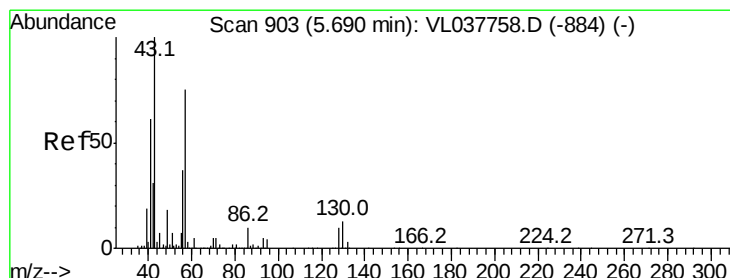
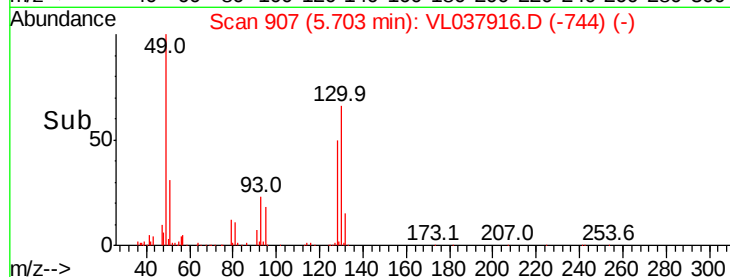
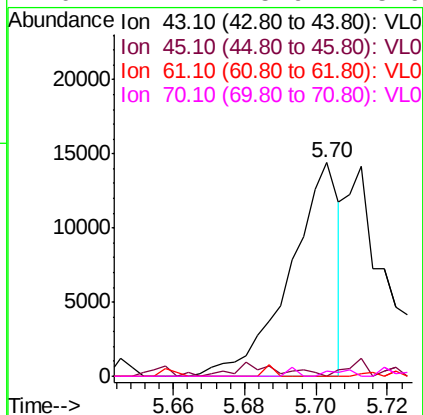
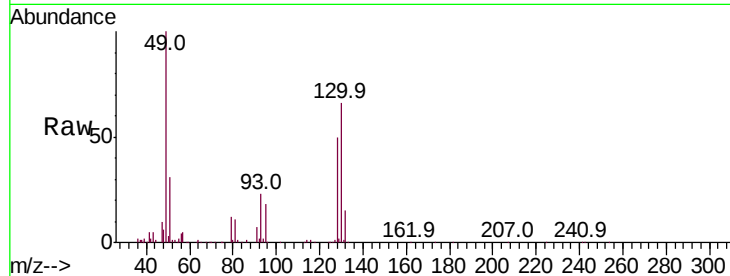
Tgt Ion: 84 Resp: 41220
Ion Ratio Lower Upper
84 100
49 121.7 120.7 181.1
51 27.3 36.2 54.4#
86 55.5 49.6 74.4





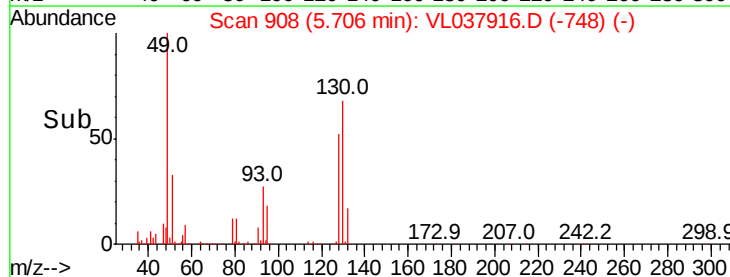
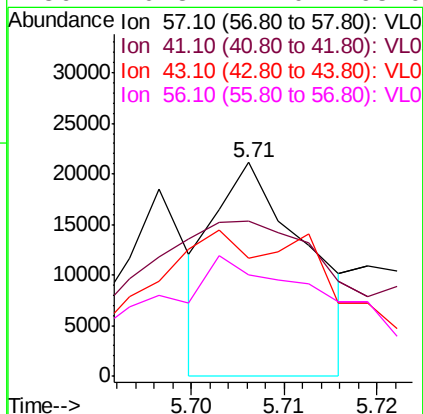
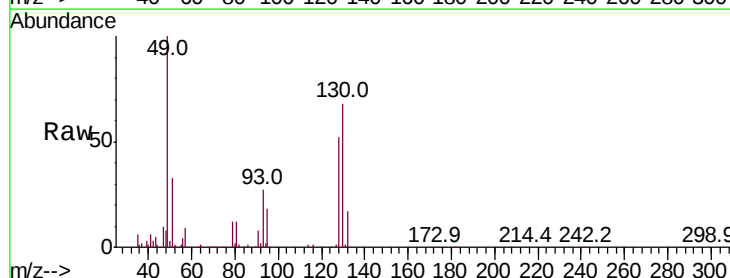
#25
Ethyl Acetate
Concen: 0.037 ppbv
RT: 5.70 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId : VMP-5-IMPLANT
Acq: 27 Oct 2021 14:56

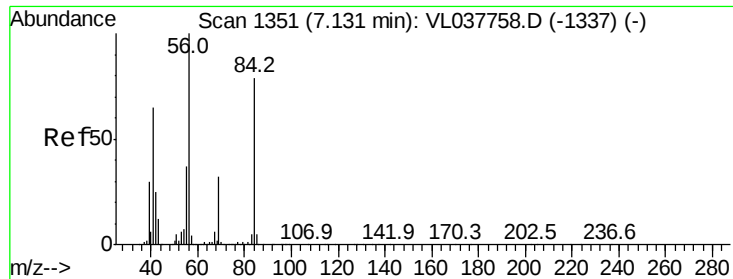
Tot Ion:	43	Resp:	13733
Ion	Ratio	Lower	Upper
43	100		
45	7.0	8.1	12.1#
61	0.0	7.5	11.3#
70	4.2	5.9	8.9#



#26
Hexane
Concen: 0.081 ppbv
RT: 5.71 min Scan# 908
Delta R.T.: 0.02 min
Lab File: VL037916.D
Acq: 27 Oct 2021 14:56

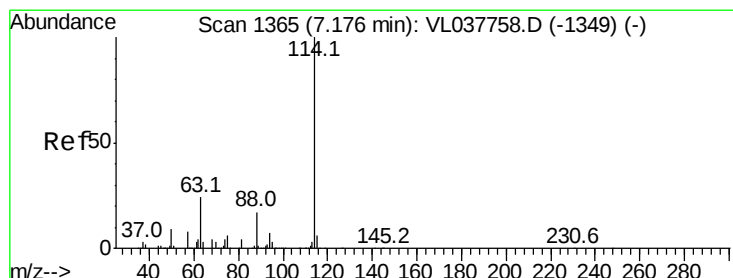
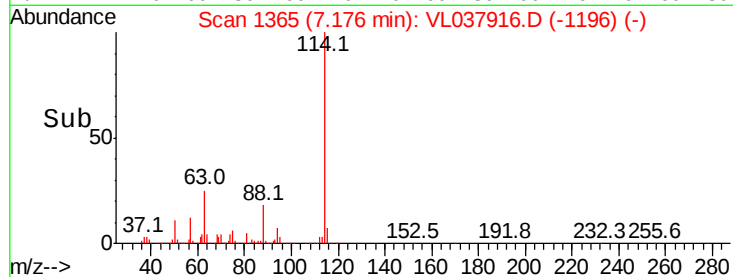
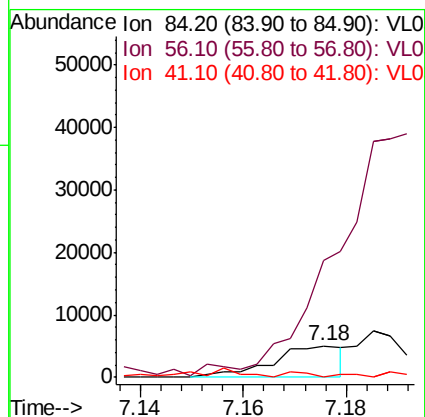
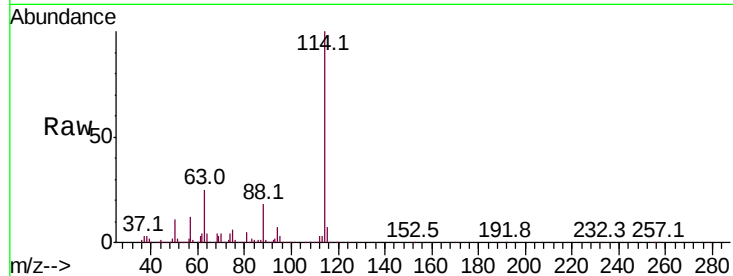
Tgt Ion:	57	Resp:	14684
Ion	Ratio	Lower	Upper
57	100		
41	228.9	69.6	104.4#
43	188.6	171.4	257.0
56	140.8	42.0	63.0#





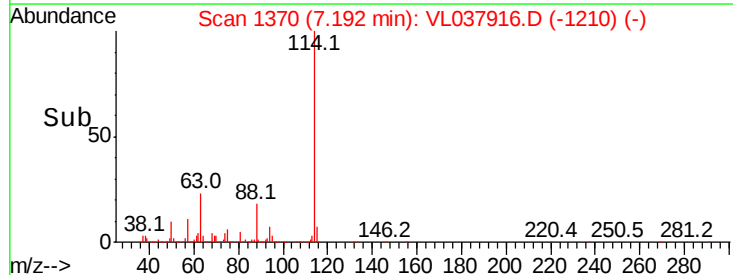
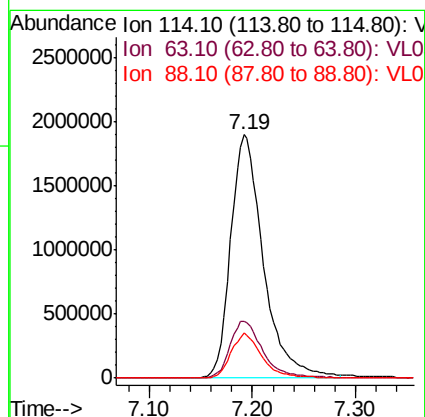
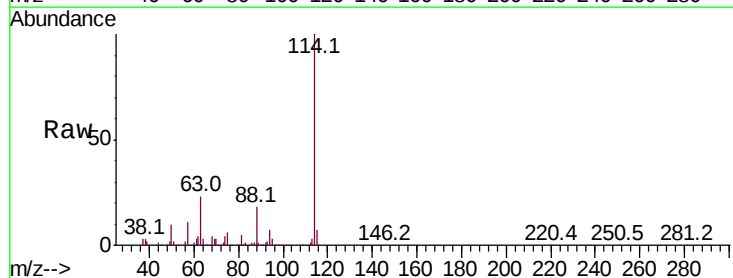
#30
Cvclohexane
Concen: 0.031 ppbv
RT: 7.18
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
VMP-5-IMPLANT
Acq: 27 Oct 2021 14:56

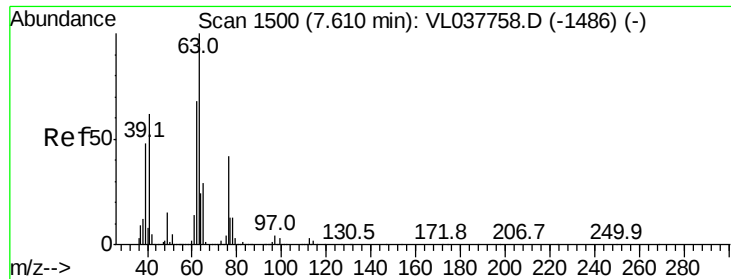
Tot Ion: 84 Resp: 4813
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 29.0 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.02 min
Lab File: VL037916.D
Acq: 27 Oct 2021 14:56

Tgt Ion:114 Resp: 4195785
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 17.8 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.255 ppbv

RT: 7.19

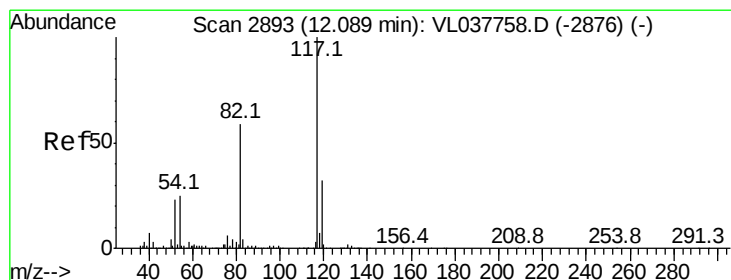
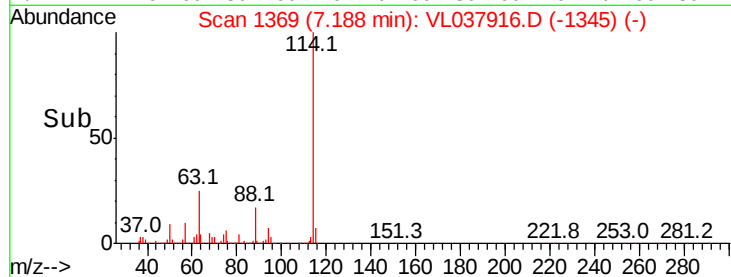
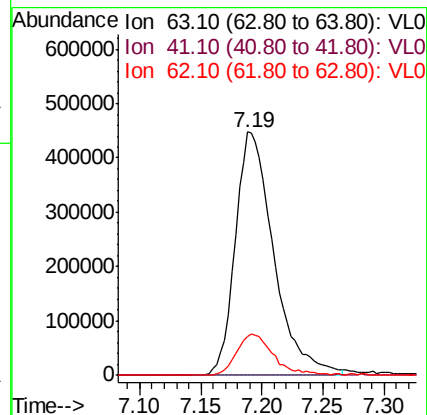
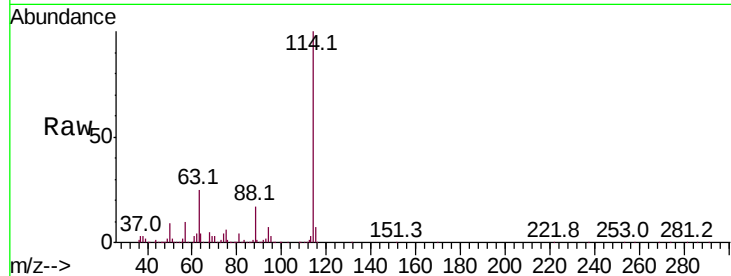
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 14:56

Tot Ion: 63 Resp: 977979

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.8	74.6#
62	16.1	54.6	82.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

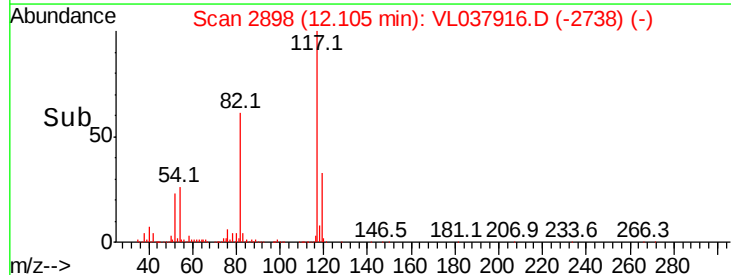
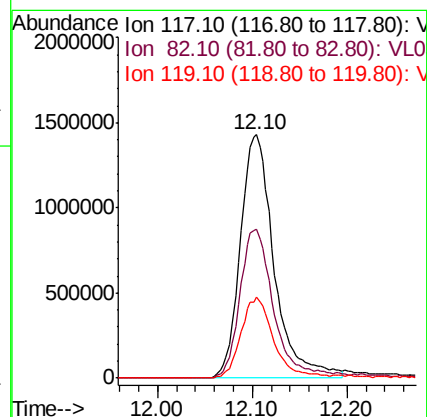
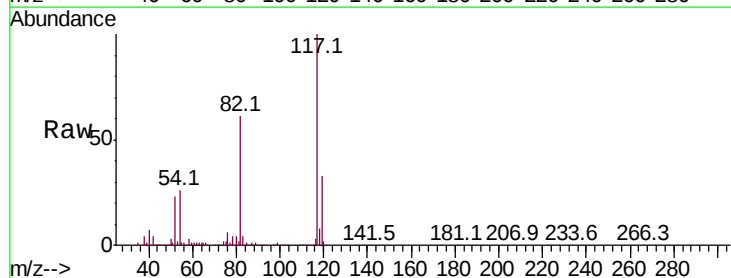
Delta R.T. 0.02 min

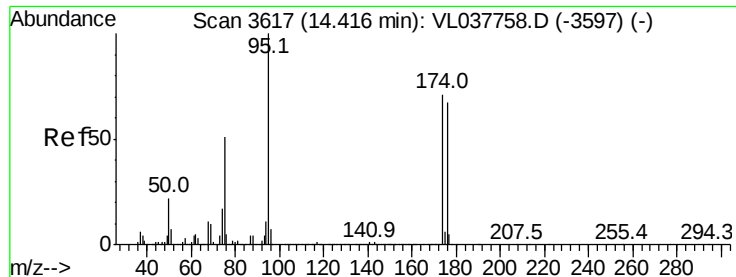
Lab File: VL037916.D

Acq: 27 Oct 2021 14:56

Tgt Ion: 117 Resp: 3546220

Ion	Ratio	Lower	Upper
117	100		
82	64.1	52.2	78.2
119	33.3	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.702 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

VMP-5-IMPLANT

Acq: 27 Oct 2021 14:38

Tot Ion: 95 Resp: 2405931

Ion Ratio Lower Upper

95 100

174 74.1 57.8 86.6

175 5.6 4.7 7.1

