

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037648.D
 Acq On : 17 Sep 2021 19:20
 Operator : SY/AP
 Sample : M3801-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 18 06:19:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1296952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3780905	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3297771	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2231492	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

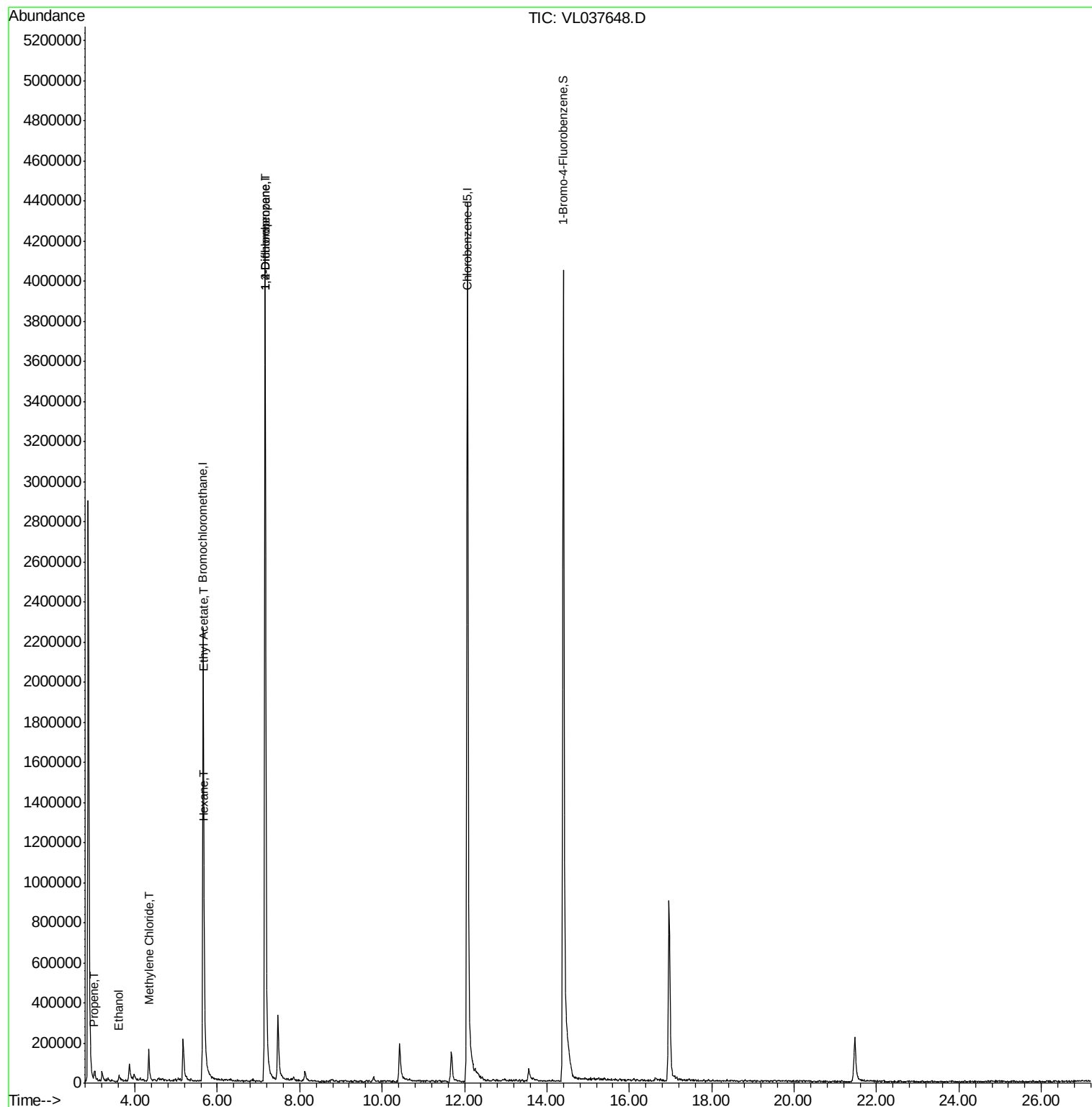
Target Compounds					Ovalue
9) Propene	3.00	41	4753	0.055	ppbv # 14
13) Ethanol	3.61	45	26325	3.119	ppbv # 56
20) Methylene Chloride	4.33	84	21857	0.340	ppbv # 80
25) Ethyl Acetate	5.67	43	12538	0.038	ppbv # 80
26) Hexane	5.68	57	28681	0.185	ppbv # 52
39) 1,2-Dichloropropane	7.16	63	887960	7.353	ppbv # 28

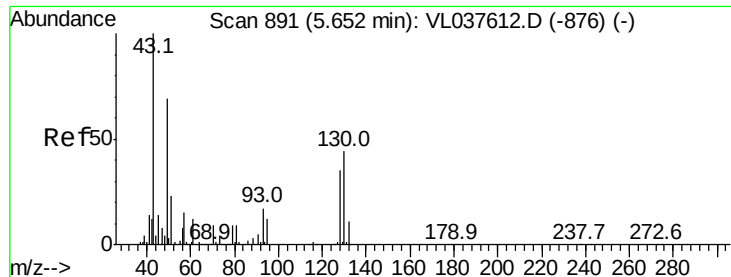
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

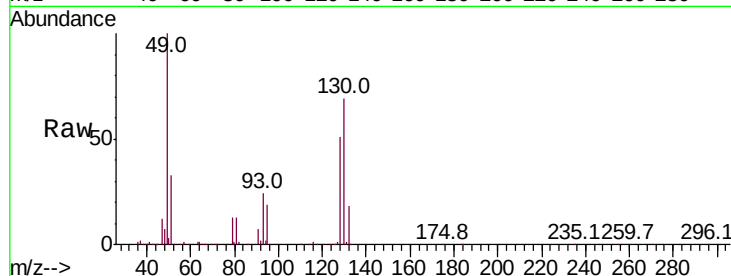
Lab File: VL037648.D

Acq: 17 Sep 2021 19:20

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1296952

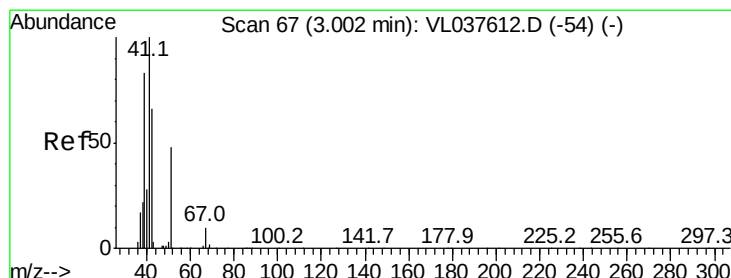
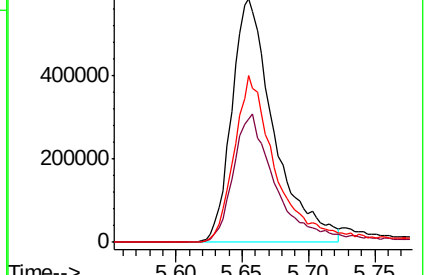
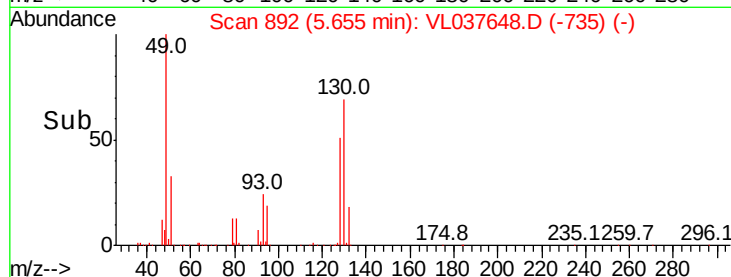
Ion	Ratio	Lower	Upper
49	100		
128	54.8	27.9	83.6
130	71.2	33.9	101.7



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



#9

Propene

Concen: 0.055 ppbv

RT: 3.00 min Scan# 67

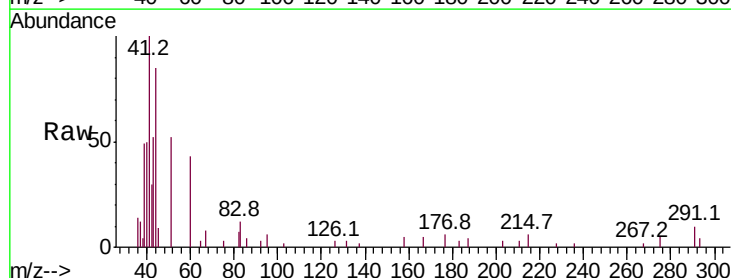
Delta R.T. 0.00 min

Lab File: VL037648.D

Acq: 17 Sep 2021 19:20

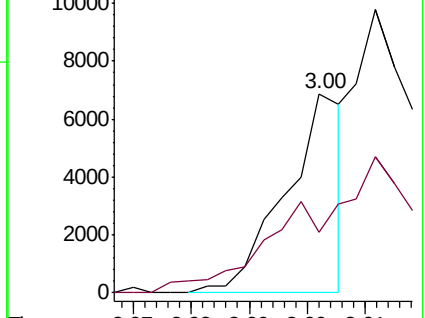
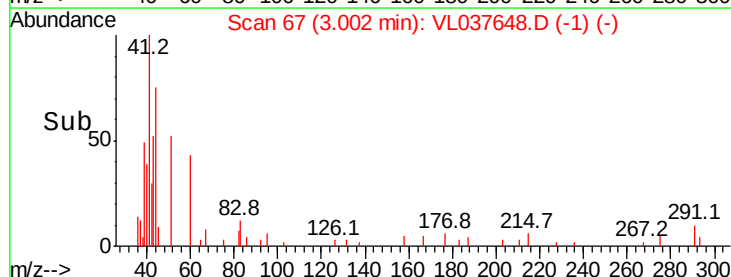
Tgt Ion: 41 Resp: 4753

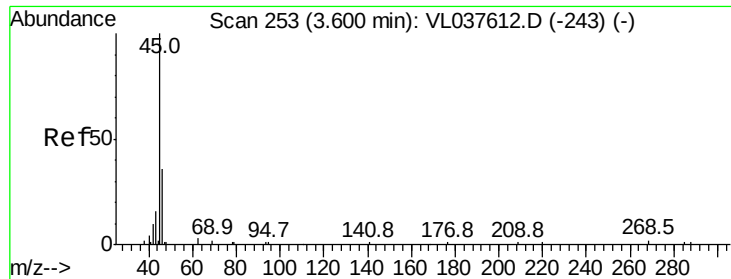
Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.2	85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

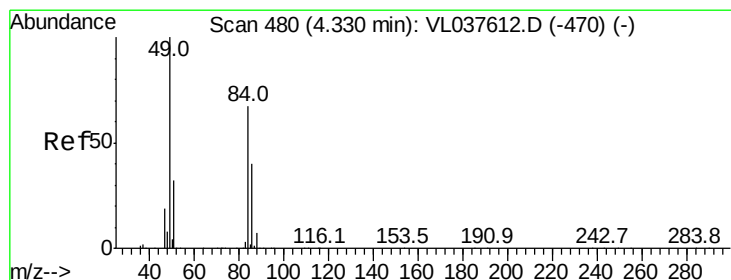
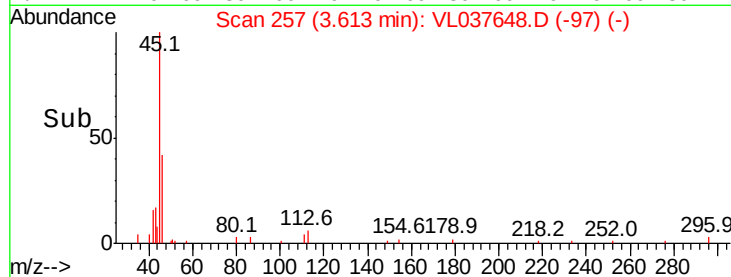
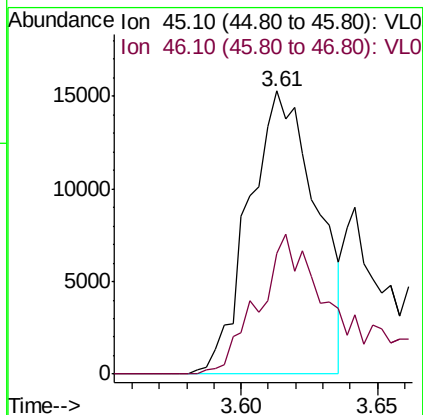
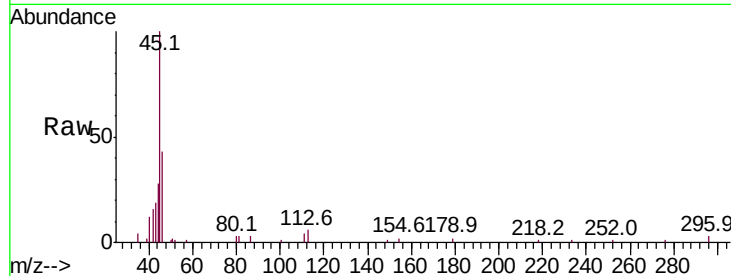




#13
Ethanol
Concen: 3.119 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

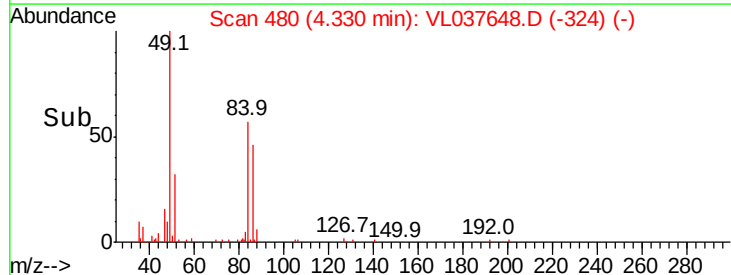
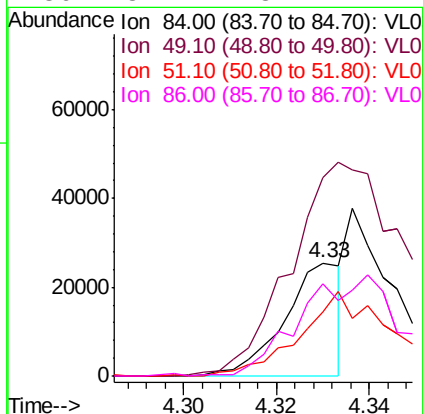
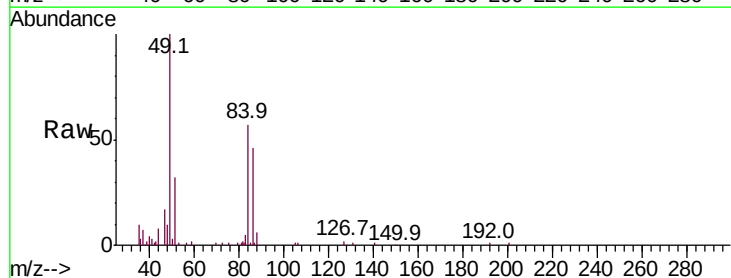
Instrument :
MSVOA_L
ClientSampleId :

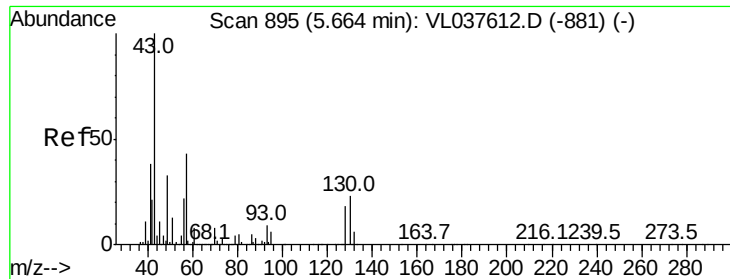
Tot Ion: 45 Resp: 26325
Ion Ratio Lower Upper
45 100
46 70.9 17.2 68.8#



#20
Methylene Chloride
Concen: 0.340 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

Tgt Ion: 84 Resp: 21857
Ion Ratio Lower Upper
84 100
49 174.8 120.0 180.0
51 56.8 38.0 57.0
86 81.4 48.2 72.2#

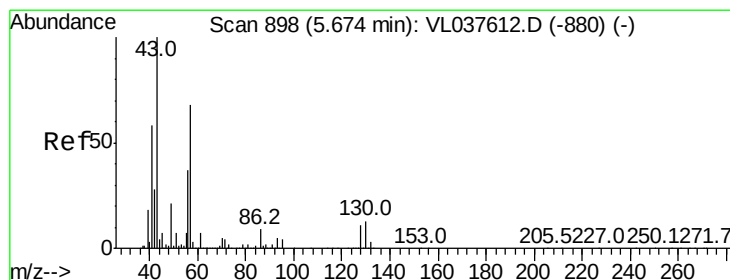
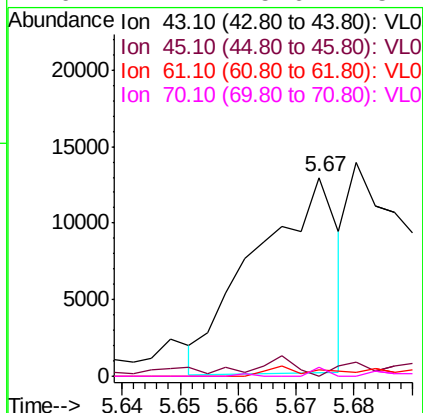
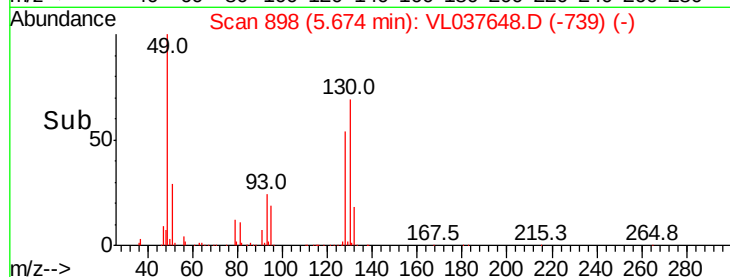
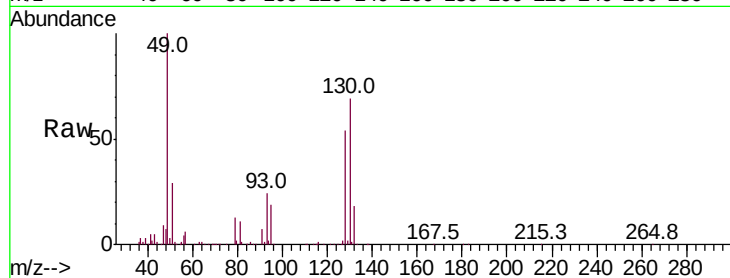




#25
Ethyl Acetate
Concen: 0.038 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

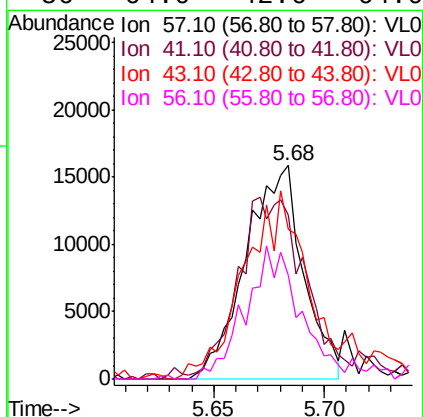
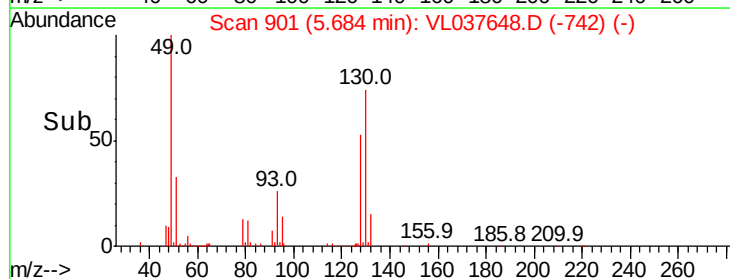
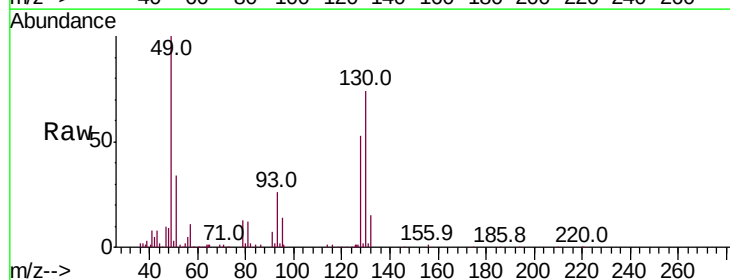
Instrument :
MSVOA_L
ClientSampleId :

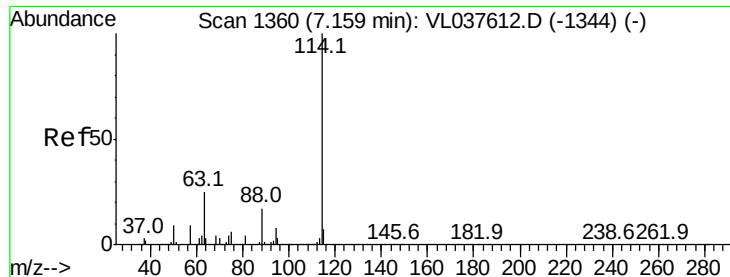
Tot Ion:	43	Resp:	12538
Ion	Ratio	Lower	Upper
43	100		
45	23.2	8.0	12.0#
61	6.0	7.5	11.3#
70	2.7	5.6	8.4#



#26
Hexane
Concen: 0.185 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

Tgt Ion:	57	Resp:	28681
Ion	Ratio	Lower	Upper
57	100		
41	107.9	70.9	106.3#
43	106.8	170.4	255.6#
56	64.0	42.6	64.0#

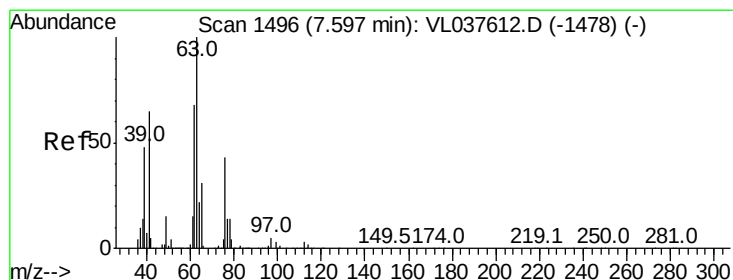
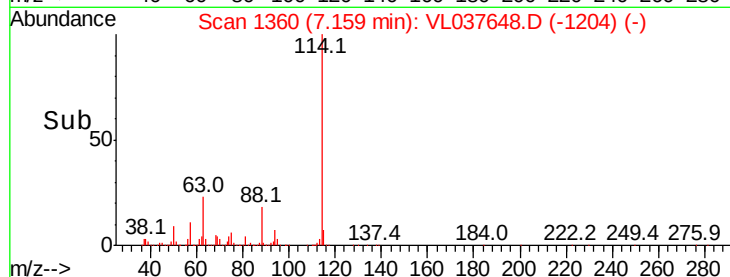
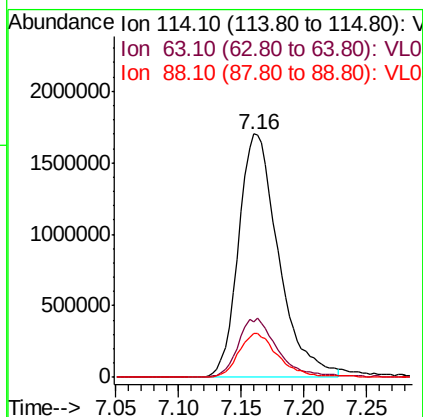
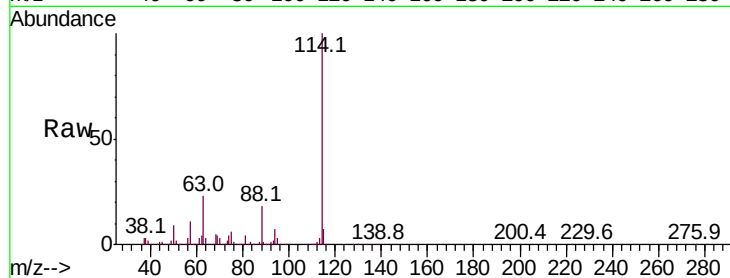




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL037648.D
 Acq: 17 Sep 2021 19:20

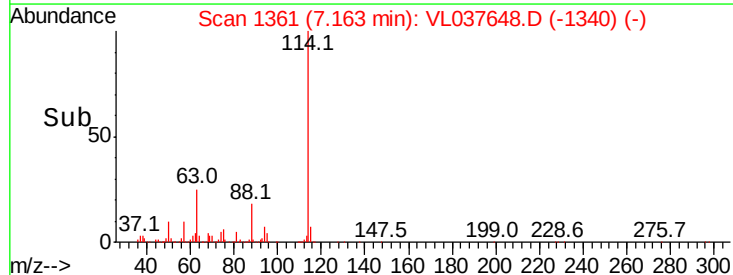
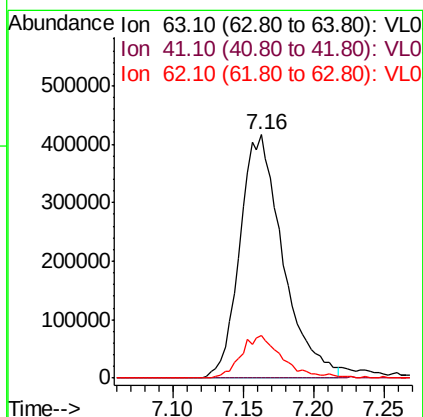
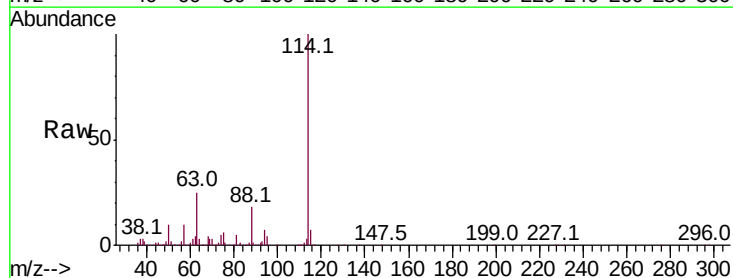
Instrument :
 MSVOA_L
 ClientSampleId :

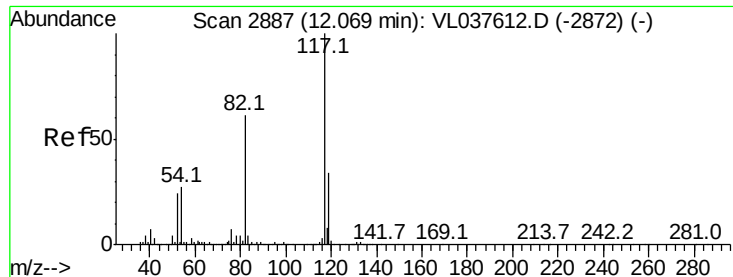
Tot Ion:114 Resp: 3780905
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 18.3 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.353 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.43 min
 Lab File: VL037648.D
 Acq: 17 Sep 2021 19:20

Tgt Ion: 63 Resp: 887960
 Ion Ratio Lower Upper
 63 100
 41 0.0 51.6 77.4#
 62 17.7 54.6 81.8#

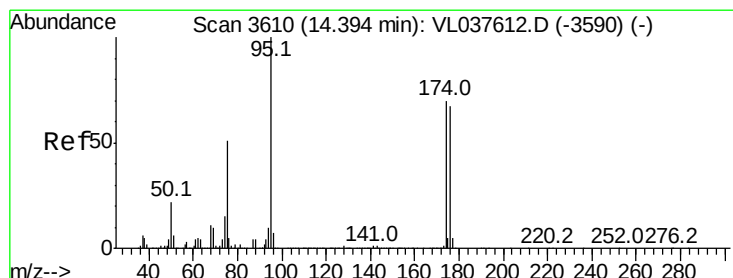
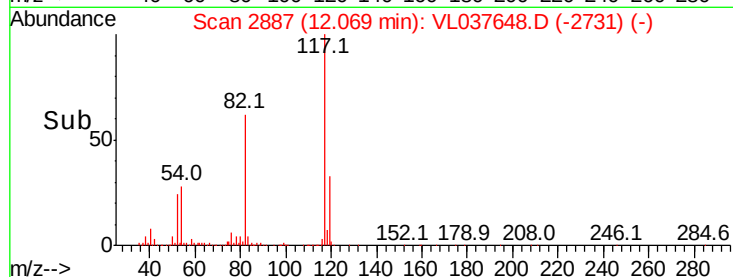
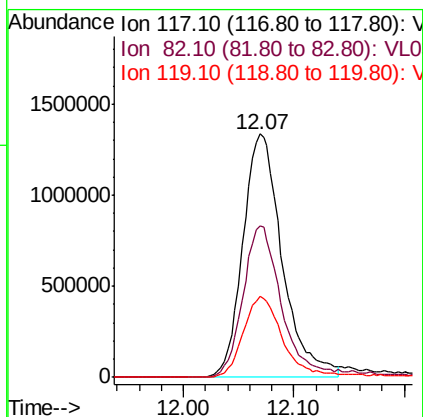
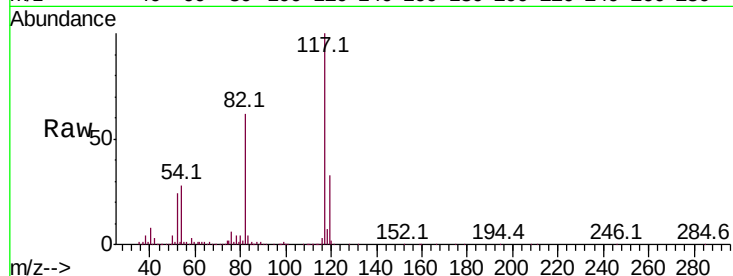




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3297771
Ion Ratio Lower Upper
117 100
82 65.1 50.6 75.8
119 34.9 26.2 39.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.363 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

Tgt Ion: 95 Resp: 2231492
Ion Ratio Lower Upper
95 100
174 78.2 56.3 84.5
175 5.8 4.4 6.6

