

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038174.D
 Acq On : 14 Dec 2021 20:03
 Operator : SY/AP
 Sample : M5075-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 04:57:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1053265	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2770087	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.03	117	2383755	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.36	95	1847484	10.74	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.40%

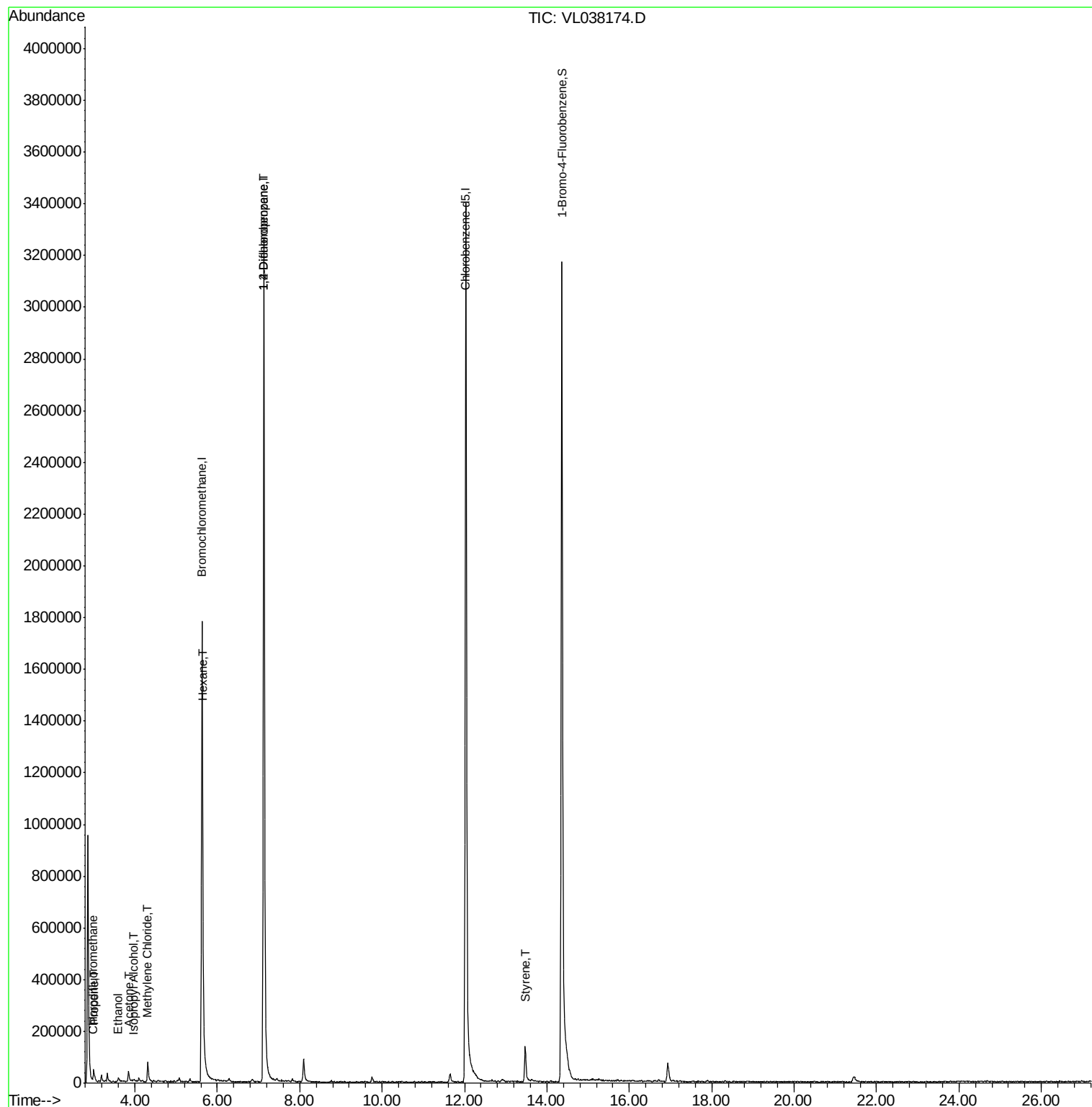
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	8451	0.038	ppbv #	89
9) Propene	3.00	41	16199	0.199	ppbv #	83
13) Ethanol	3.58	45	1933	0.246	ppbv #	32
15) Acetone	3.85	43	28827	0.316	ppbv	98
19) Isopropyl Alcohol	3.96	45	6056	0.092	ppbv #	85
20) Methylene Chloride	4.31	84	17639	0.345	ppbv	91
26) Hexane	5.65	57	10649	0.073	ppbv #	46
39) 1,2-Dichloropropane	7.13	63	734425	6.929	ppbv #	27
61) Styrene	13.47	104	83351	0.505	ppbv	92

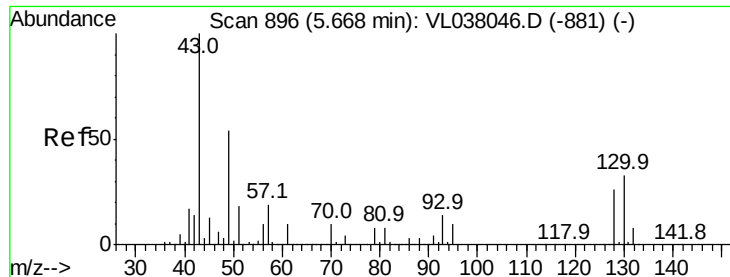
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 20:03

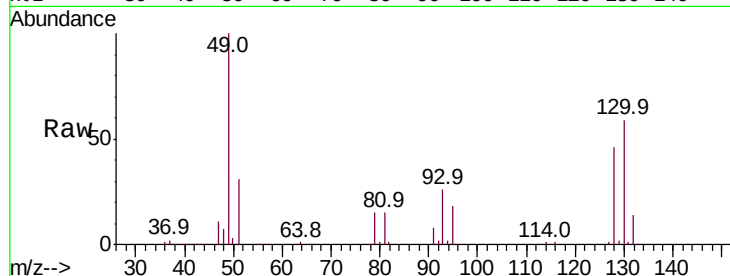
Tot Ion: 49 Resp: 1053265

Ion Ratio Lower Upper

49 100

128 47.7 26.5 79.5

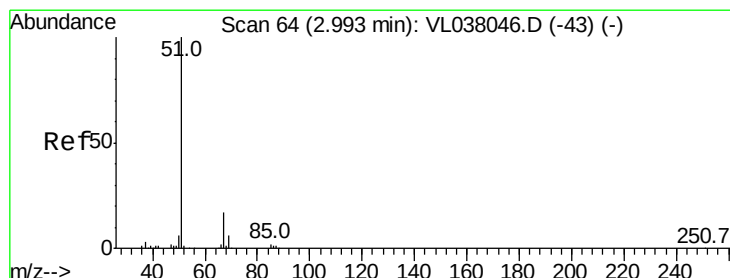
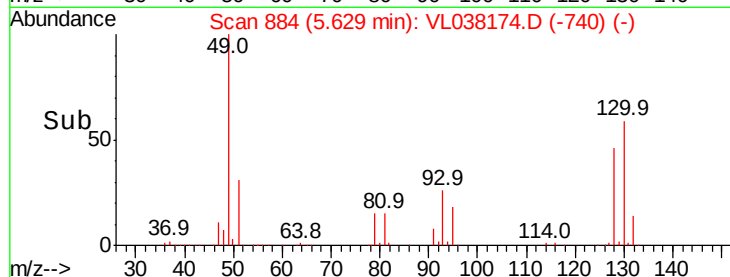
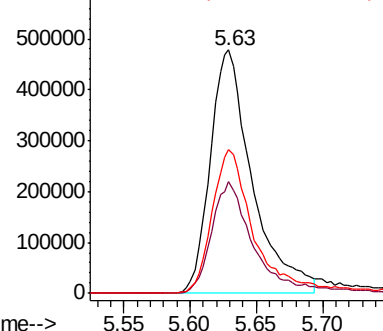
130 62.0 32.5 97.4



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: 0.038 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.03 min

Lab File: VL038174.D

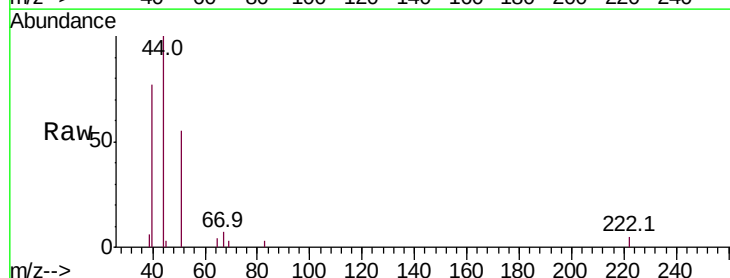
Acq: 14 Dec 2021 20:03

Tgt Ion: 51 Resp: 8451

Ion Ratio Lower Upper

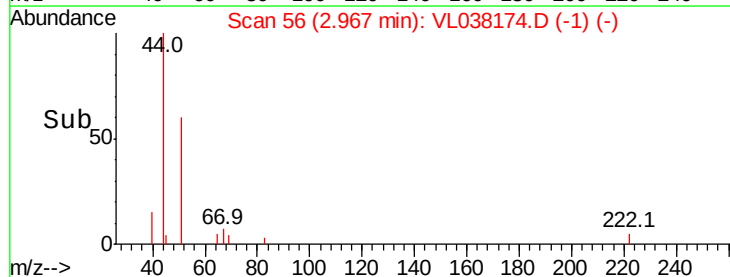
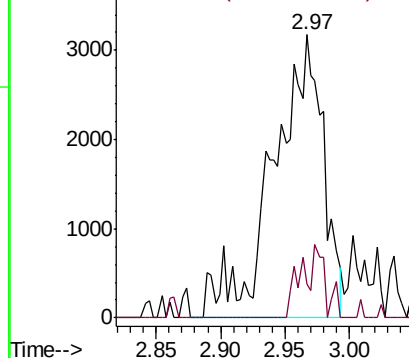
51 100

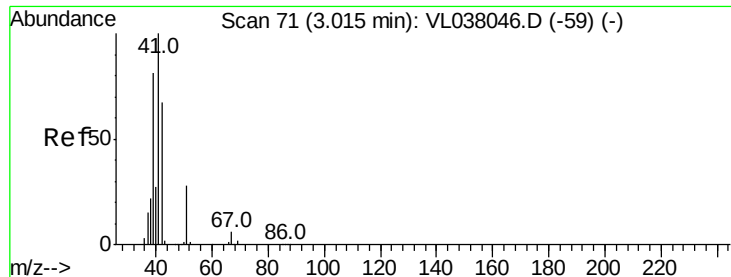
67 12.3 13.8 20.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.199 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

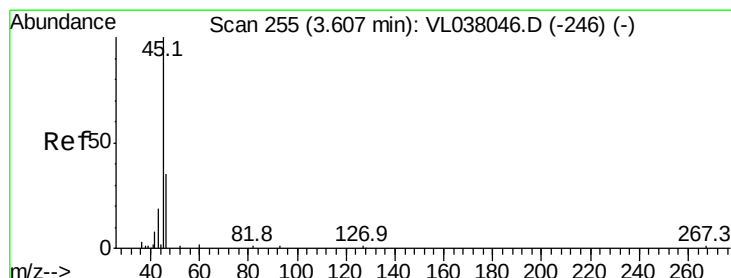
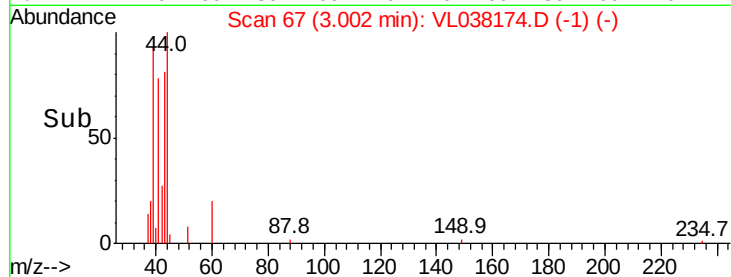
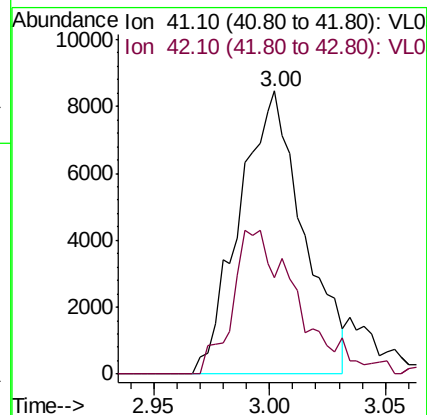
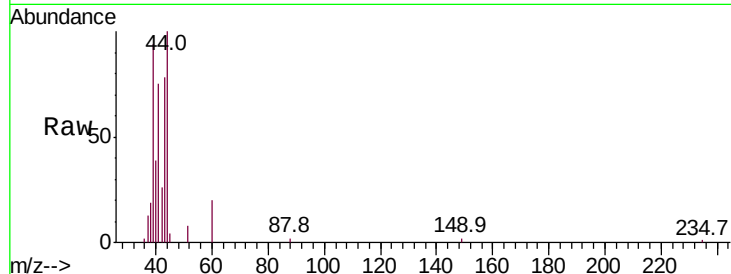
Acq: 14 Dec 2021 20:03

Tot Ion: 41 Resp: 16199

Ion Ratio Lower Upper

41 100

42 53.6 53.8 80.8#



#13

Ethanol

Concen: 0.246 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.03 min

Lab File: VL038174.D

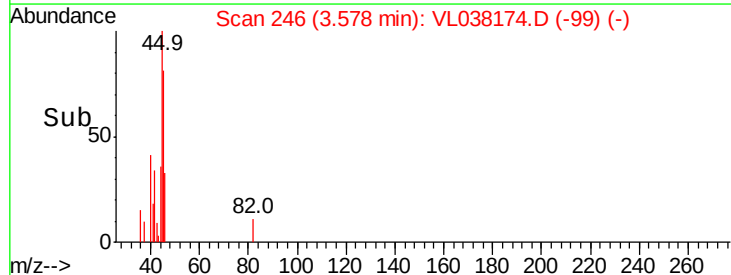
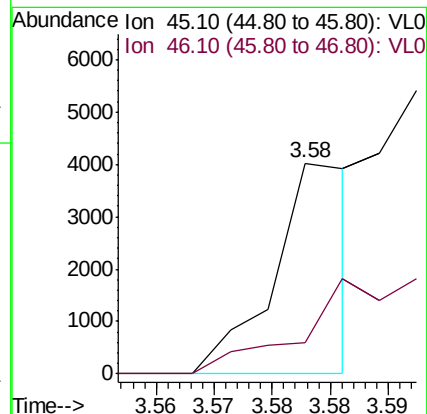
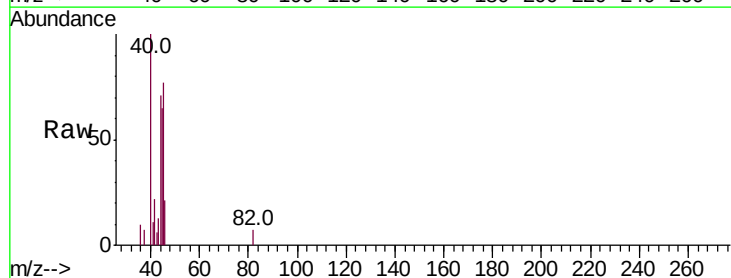
Acq: 14 Dec 2021 20:03

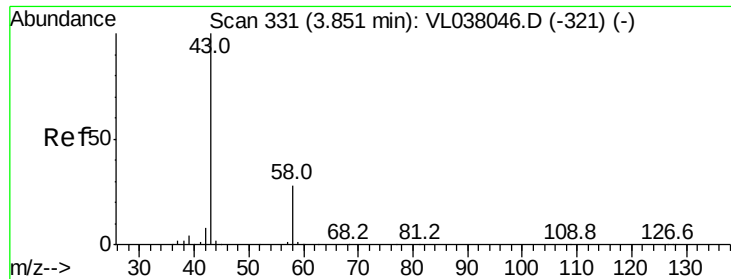
Tgt Ion: 45 Resp: 1933

Ion Ratio Lower Upper

45 100

46 0.0 17.6 70.2#





#15

Acetone

Concen: 0.316 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

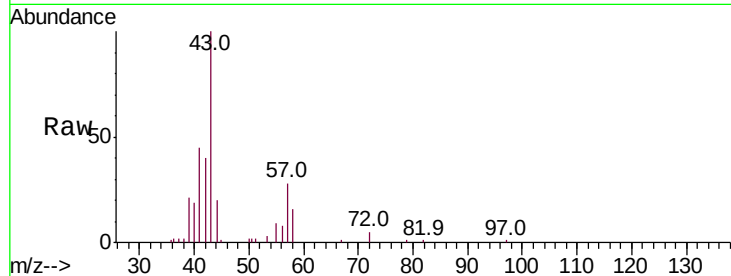
Acq: 14 Dec 2021 20:03

Tot Ion: 43 Resp: 28827

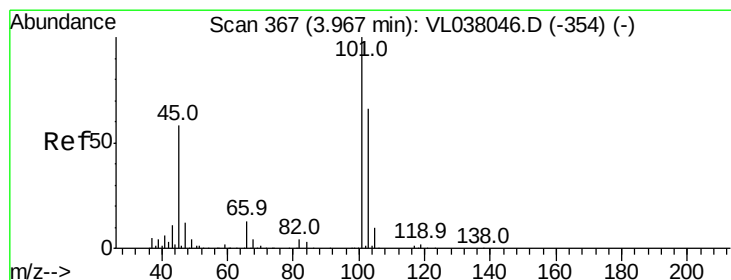
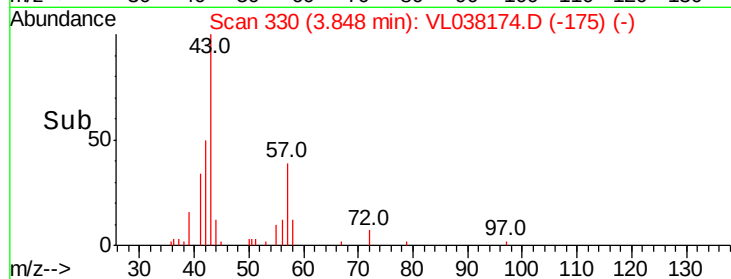
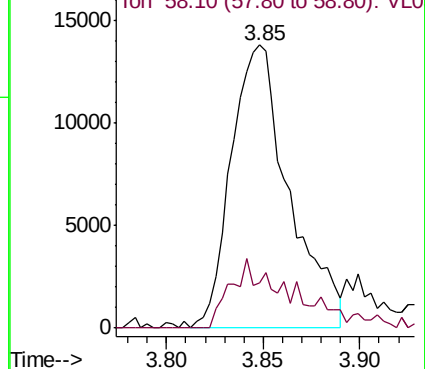
Ion Ratio Lower Upper

43 100

58 26.9 22.4 33.6



Abundance Ion 43.10 (42.80 to 43.80): VL0



#19

Isopropyl Alcohol

Concen: 0.092 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL038174.D

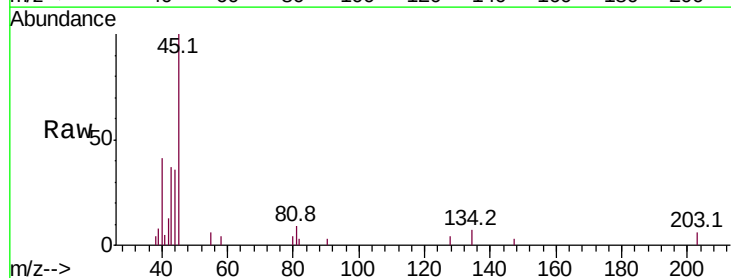
Acq: 14 Dec 2021 20:03

Tgt Ion: 45 Resp: 6056

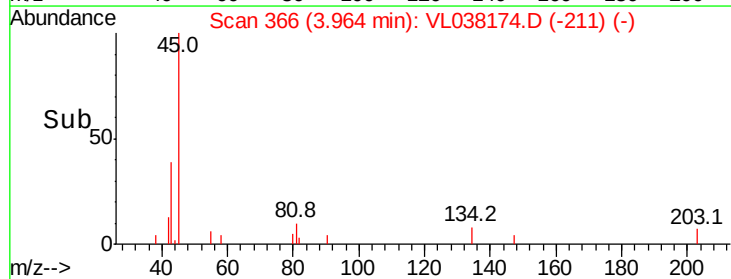
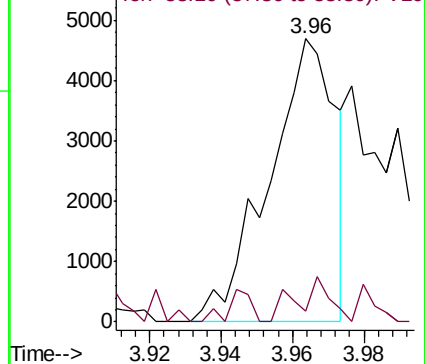
Ion Ratio Lower Upper

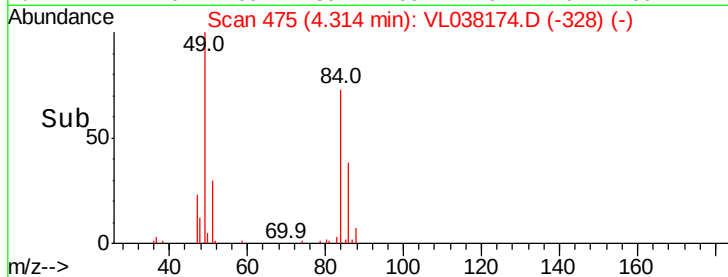
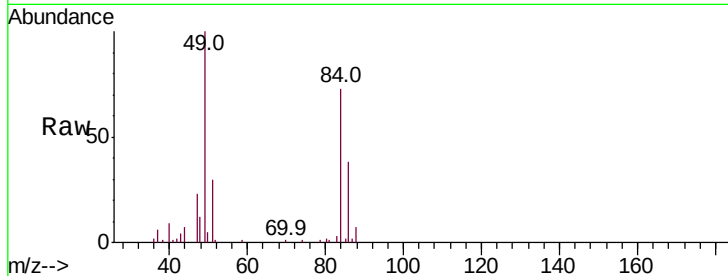
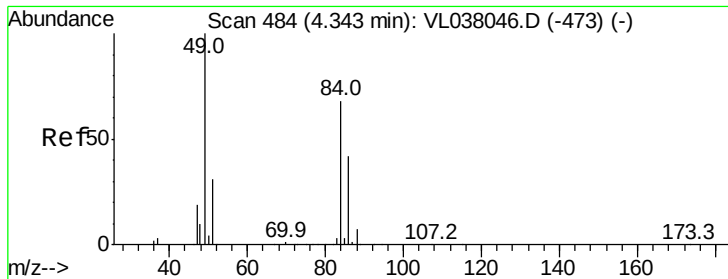
45 100

58 7.3 1.4 2.0#



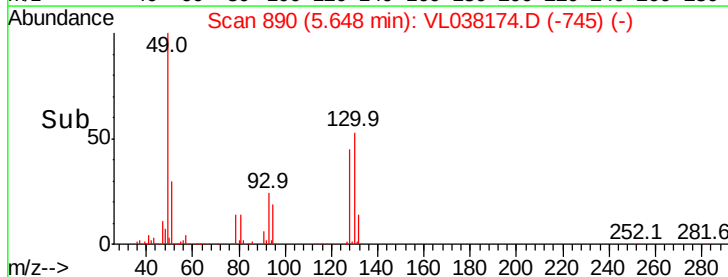
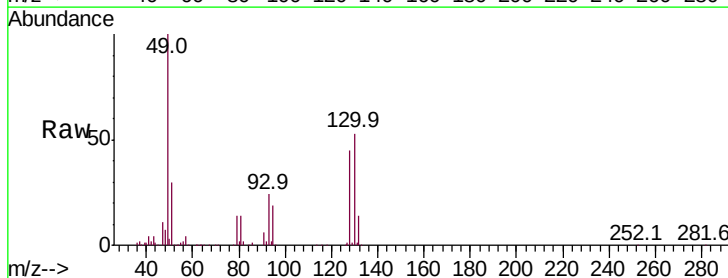
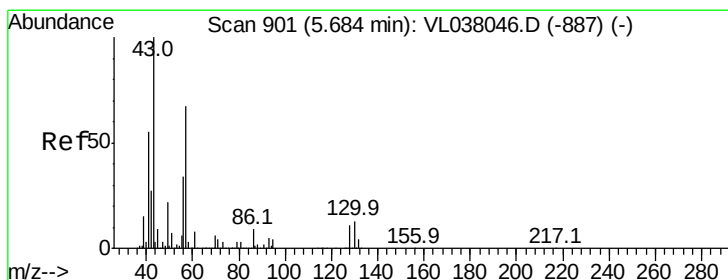
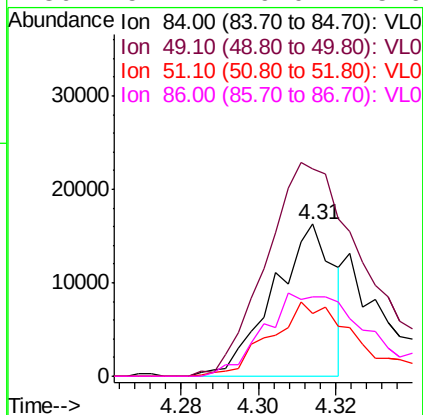
Abundance Ion 45.10 (44.80 to 45.80): VL0





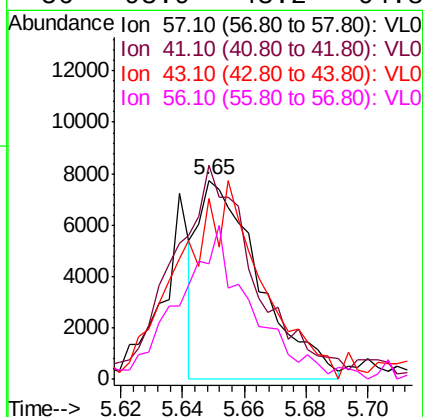
#20
Methvlene Chloride
Concen: 0.345 ppbv
RT: 4.31
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 20:03

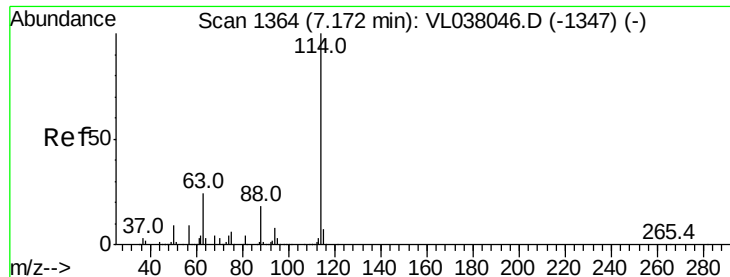
Tot Ion:	84	Resp:	17639
Ion	Ratio	Lower	Upper
84	100		
49	137.0	118.2	177.2
51	42.9	36.8	55.2
86	52.1	49.0	73.6



#26
Hexane
Concen: 0.073 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL038174.D
Acq: 14 Dec 2021 20:03

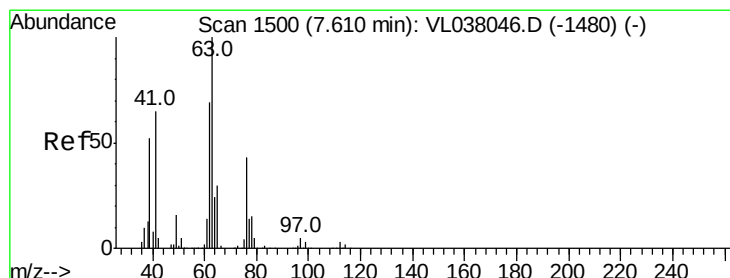
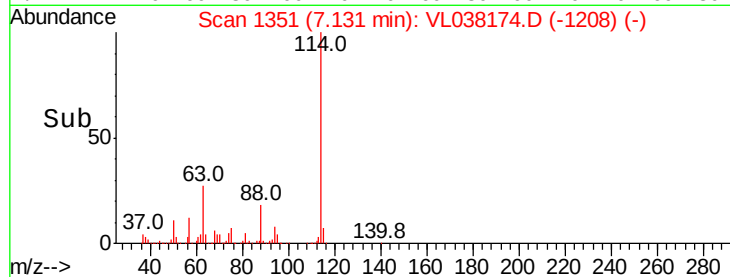
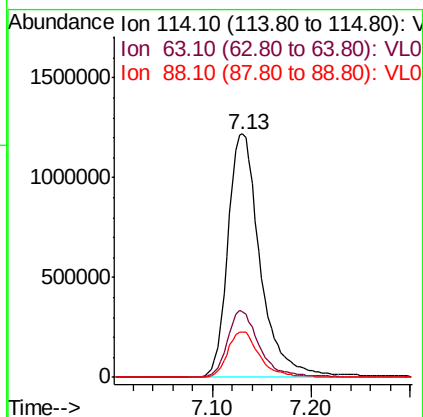
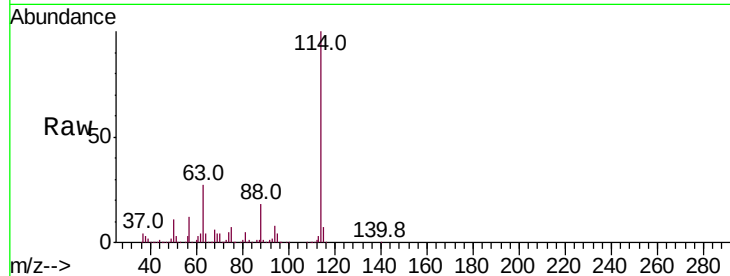
Tgt Ion:	57	Resp:	10649
Ion	Ratio	Lower	Upper
57	100		
41	152.9	71.4	107.2#
43	142.7	174.6	261.8#
56	93.9	43.2	64.8#





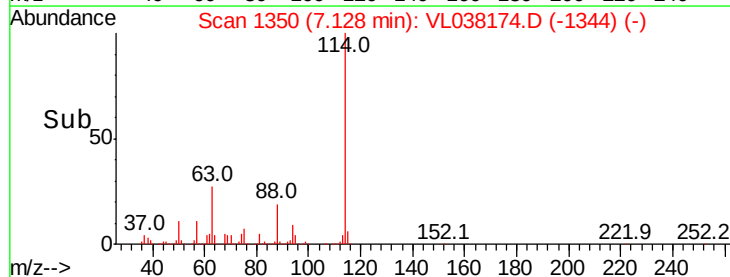
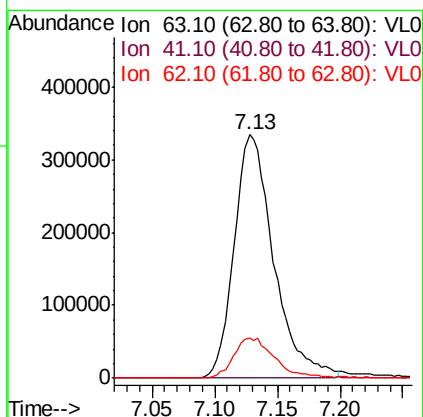
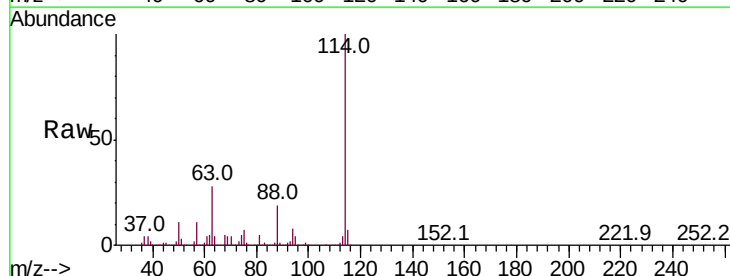
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.13 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Dec 2021 20:03

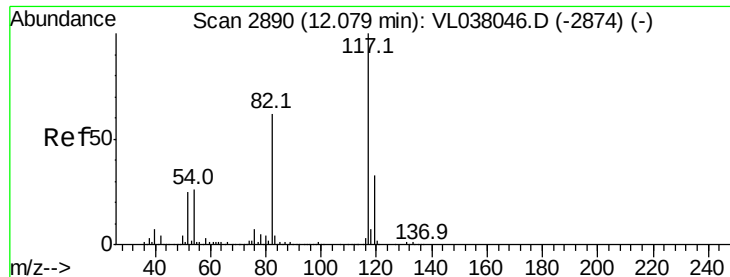
Tot Ion: 114 Resp: 2770087
 Ion Ratio Lower Upper
 114 100
 63 27.3 19.7 29.5
 88 18.9 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 6.929 ppbv
 RT: 7.13 min Scan# 1350
 Delta R.T. -0.48 min
 Lab File: VL038174.D
 Acq: 14 Dec 2021 20:03

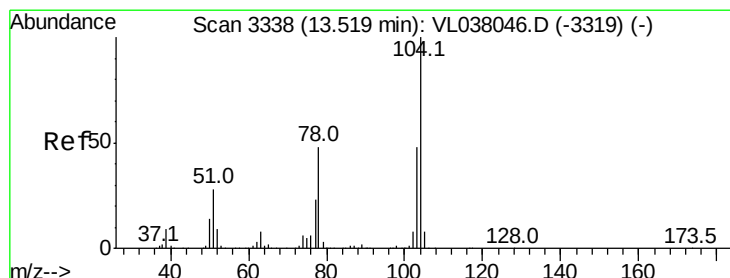
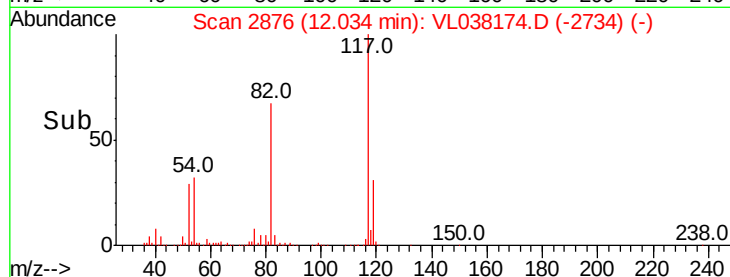
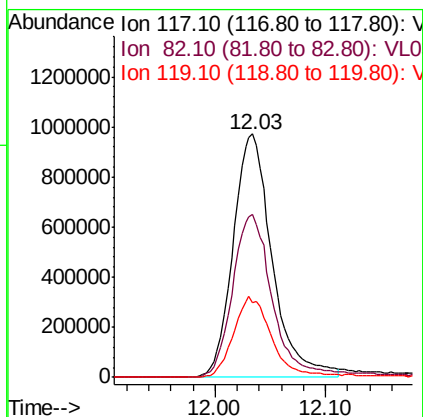
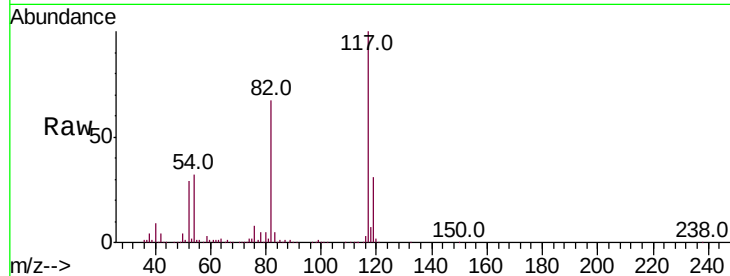
Tgt Ion: 63 Resp: 734425
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.3 78.5#
 62 16.4 55.1 82.7#





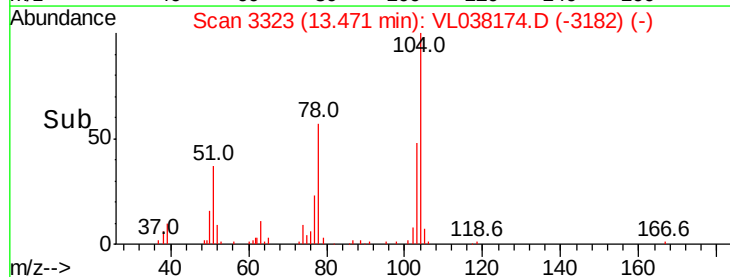
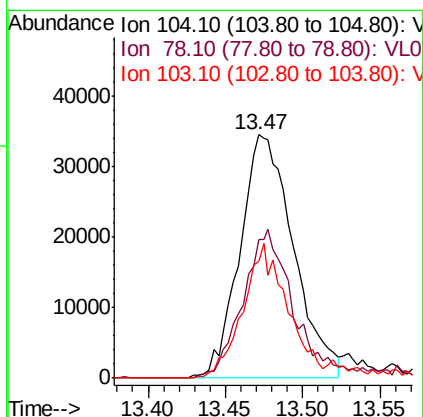
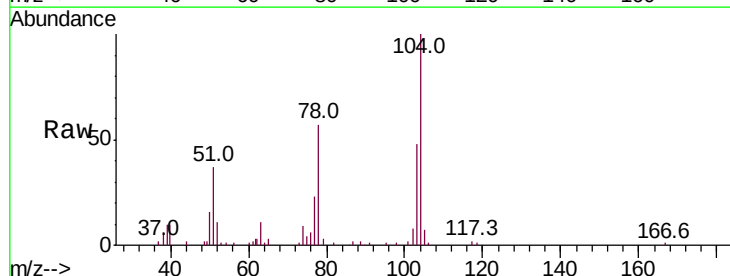
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.03 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 20:03

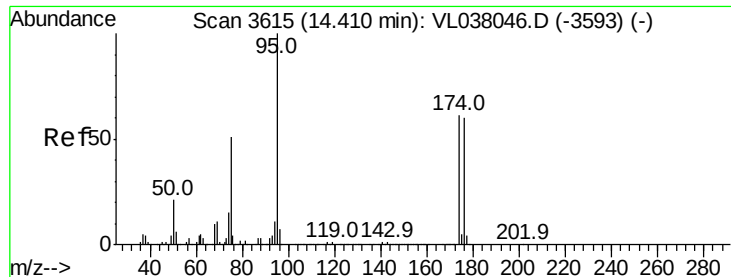
Tot Ion:117 Resp: 2383755
Ion Ratio Lower Upper
117 100
82 72.1 52.8 79.2
119 33.2 26.8 40.2



#61
Styrene
Concen: 0.505 ppbv
RT: 13.47 min Scan# 3323
Delta R.T. -0.05 min
Lab File: VL038174.D
Acq: 14 Dec 2021 20:03

Tgt Ion:104 Resp: 83351
Ion Ratio Lower Upper
104 100
78 59.0 39.8 59.6
103 49.1 38.2 57.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.745 ppbv

RT: 14.36 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 20:05

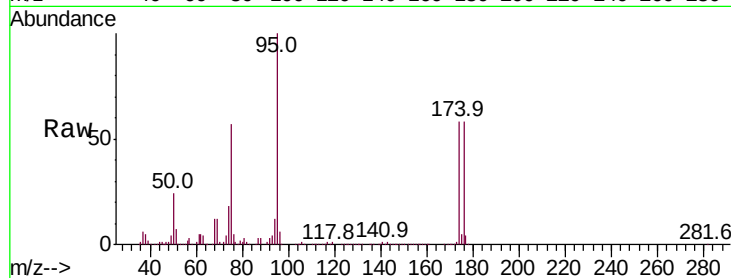
Tot Ion: 95 Resp: 1847484

Ion Ratio Lower Upper

95 100

174 64.0 53.1 79.7

175 4.8 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

