

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012622\
 Data File : VL038292.D
 Acq On : 26 Jan 2022 17:25
 Operator : SY/AP
 Sample : N1268-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Quant Time: Jan 27 02:54:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	797291	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	2115742	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	1705119	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1280777	9.90	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

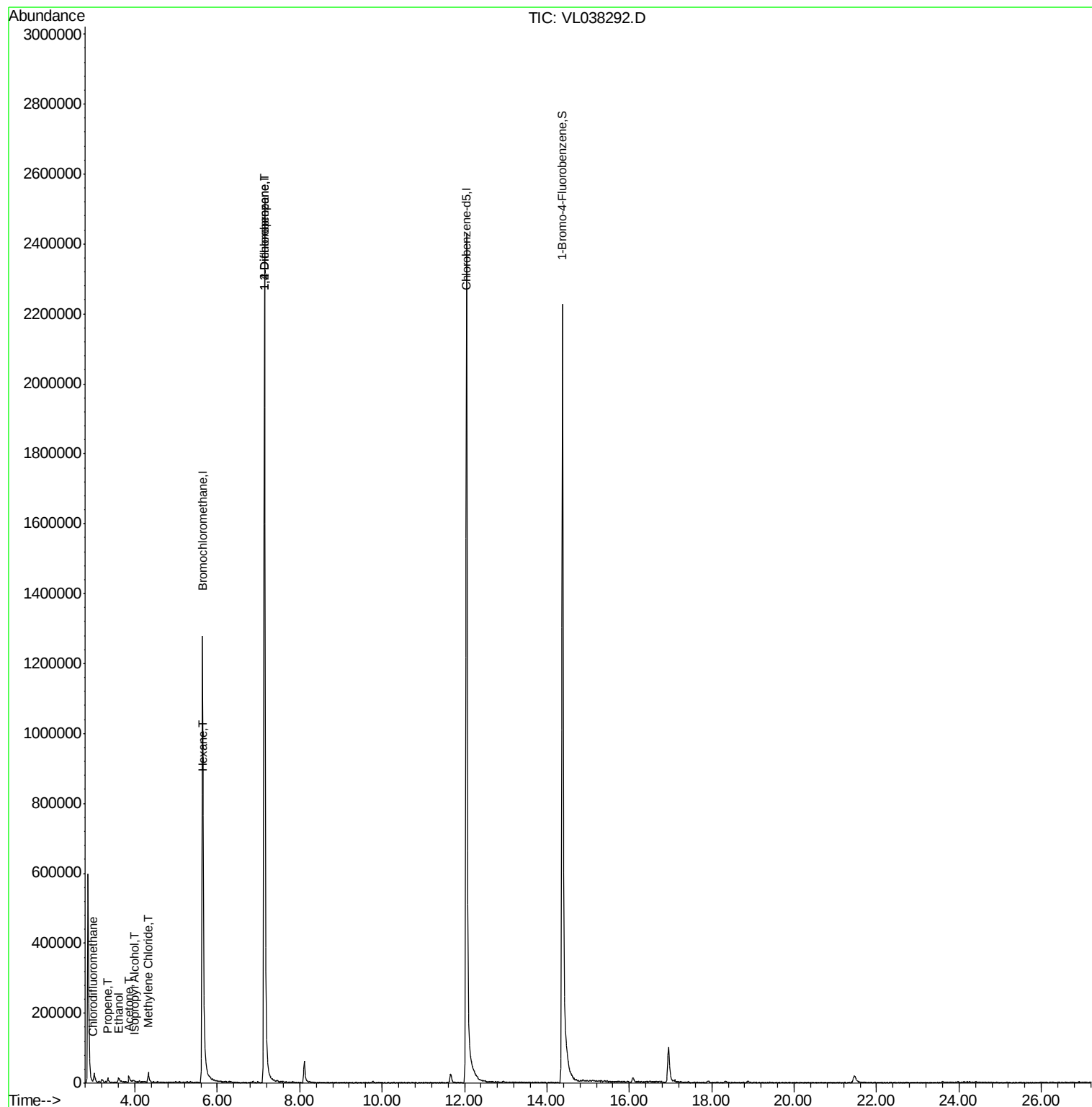
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	5083	0.032	ppbv #	87
9) Propene	3.34	41	3198	0.062	ppbv	87
13) Ethanol	3.60	45	9684	1.746	ppbv #	39
15) Acetone	3.85	43	10325	0.147	ppbv #	52
19) Isopropyl Alcohol	3.98	45	3590	0.082	ppbv #	46
20) Methylene Chloride	4.32	84	10467	0.256	ppbv	91
26) Hexane	5.66	57	3082	0.034	ppbv #	47
39) 1,2-Dichloropropane	7.14	63	549527	7.243	ppbv #	26

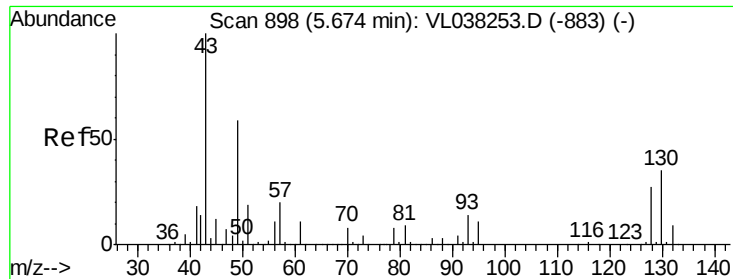
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: OA-1DL

Acq: 26 Jan 2022 17:25

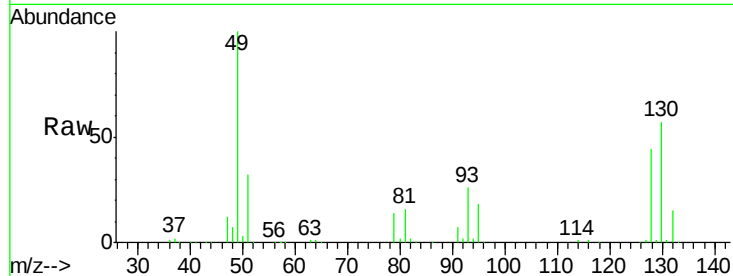
Tgt Ion: 49 Resp: 797291

Ion Ratio Lower Upper

49 100

128 46.7 24.5 73.5

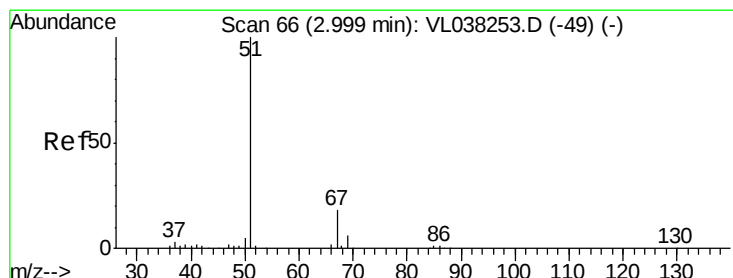
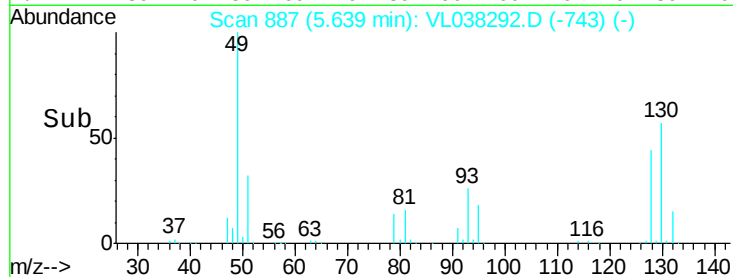
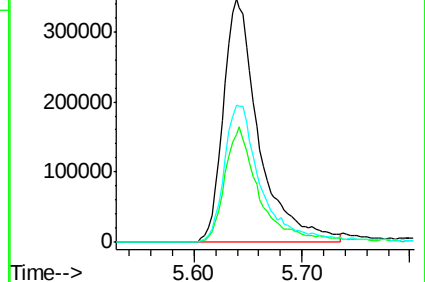
130 59.6 30.1 90.5



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: 0.032 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.03 min

Lab File: VL038292.D

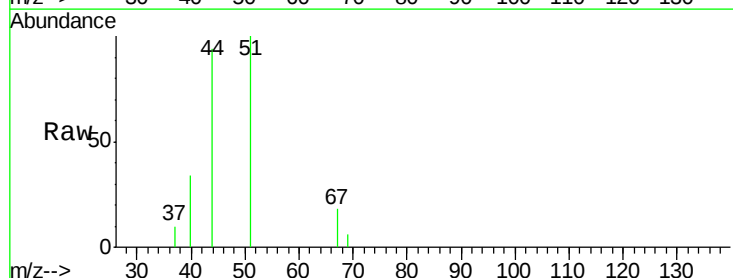
Acq: 26 Jan 2022 17:25

Tgt Ion: 51 Resp: 5083

Ion Ratio Lower Upper

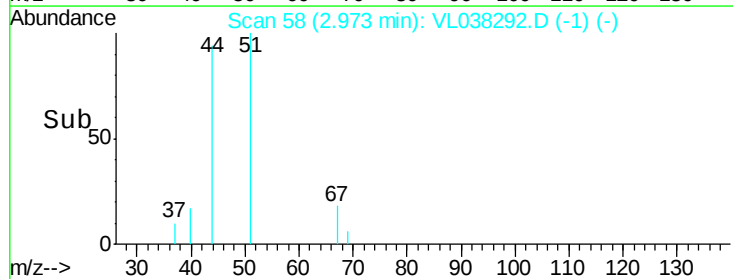
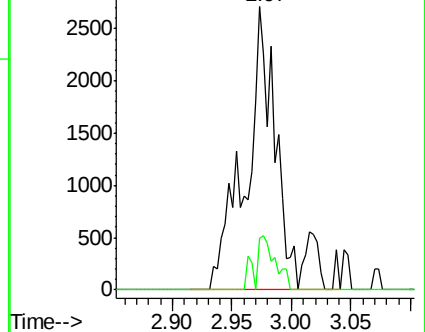
51 100

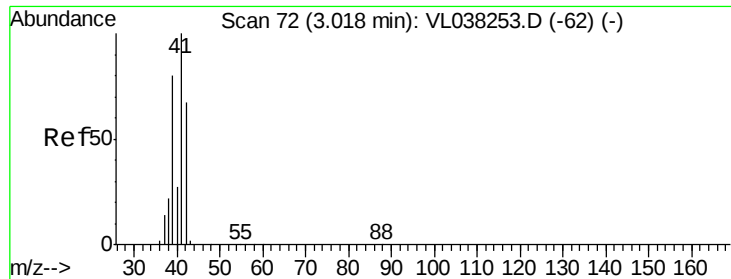
67 12.2 14.4 21.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.062 ppbv

RT: 3.34 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

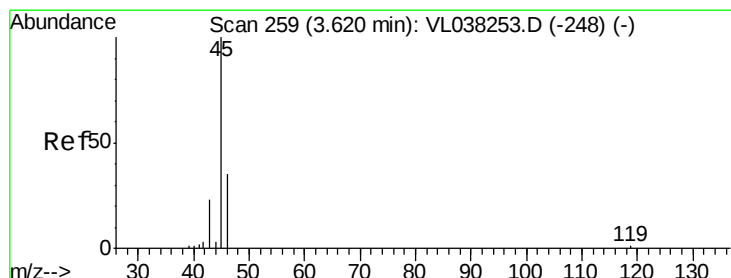
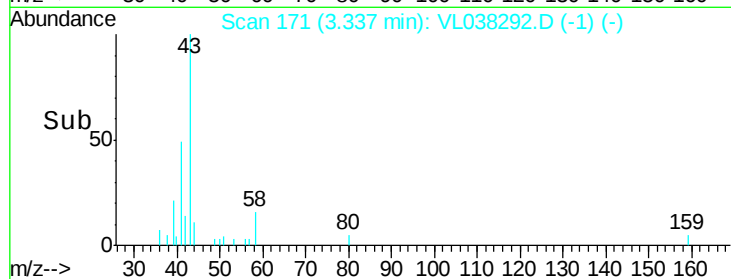
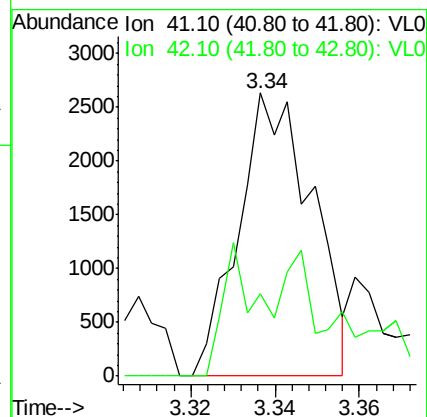
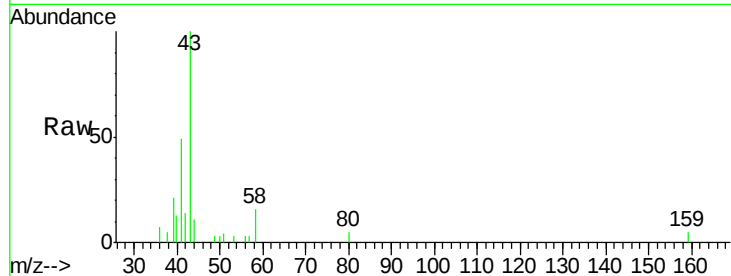
Acq: 26 Jan 2022 17:25 OA-1DL

Tgt Ion: 41 Resp: 3198

Ion Ratio Lower Upper

41 100

42 58.4 54.9 82.3



#13

Ethanol

Concen: 1.746 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.02 min

Lab File: VL038292.D

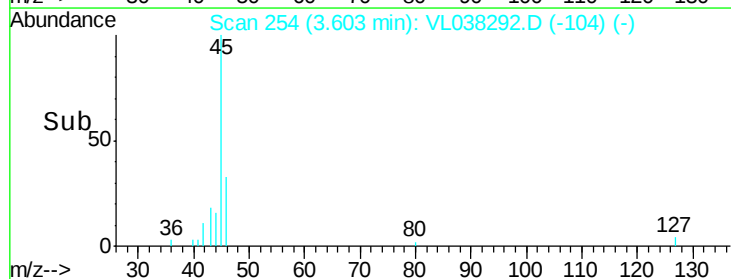
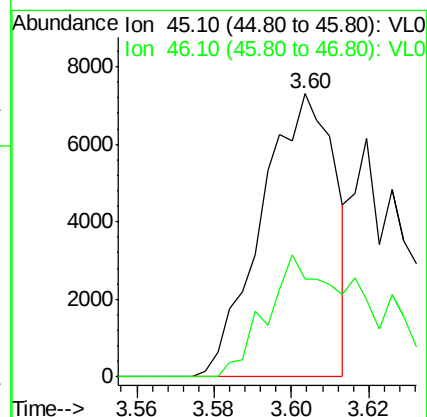
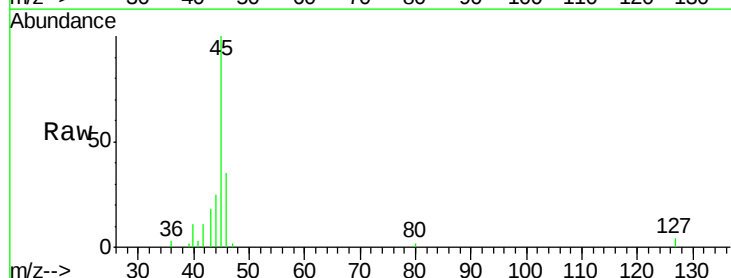
Acq: 26 Jan 2022 17:25

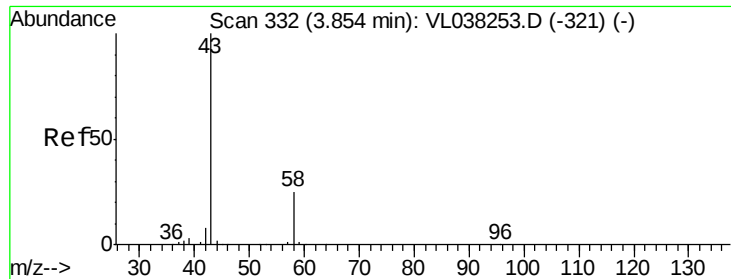
Tgt Ion: 45 Resp: 9684

Ion Ratio Lower Upper

45 100

46 75.5 15.4 61.6#





#15

Acetone

Concen: 0.147 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

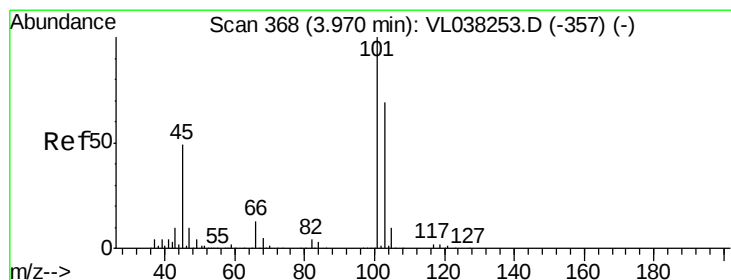
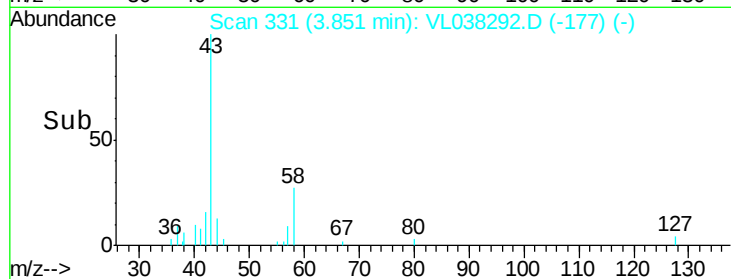
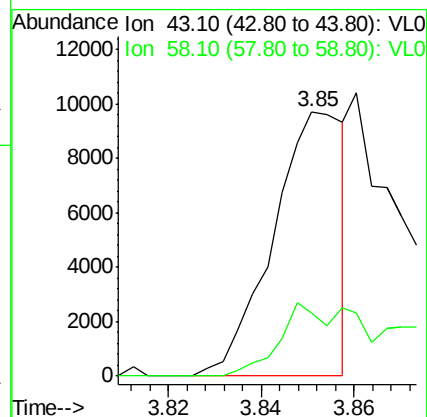
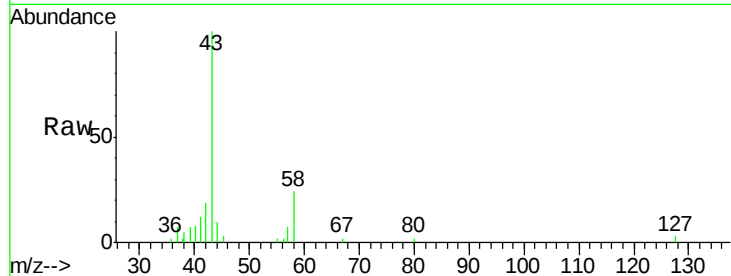
Acq: 26 Jan 2022 17:25

Tgt Ion: 43 Resp: 10325

Ion Ratio Lower Upper

43 100

58 51.8 21.5 32.3#



#19

Isopropyl Alcohol

Concen: 0.082 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL038292.D

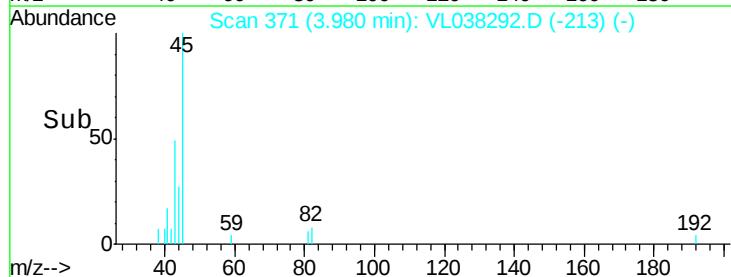
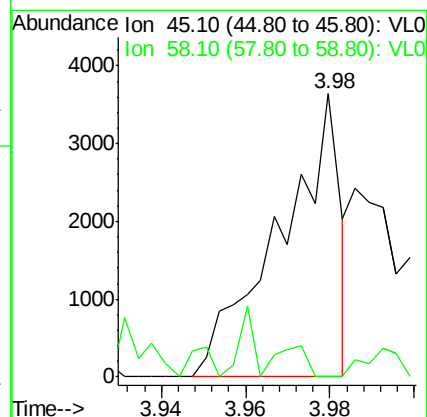
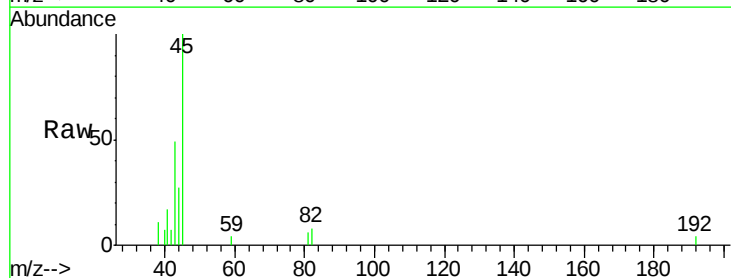
Acq: 26 Jan 2022 17:25

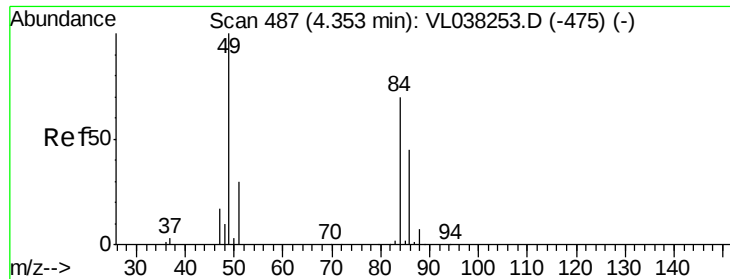
Tgt Ion: 45 Resp: 3590

Ion Ratio Lower Upper

45 100

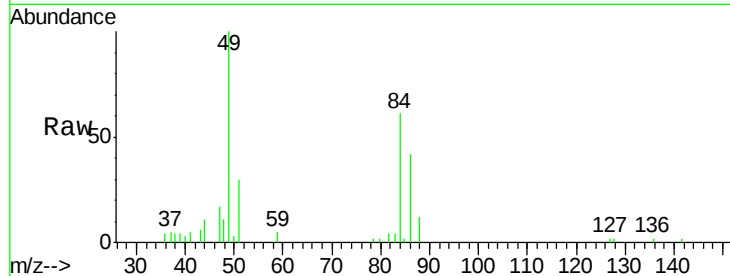
58 20.8 2.3 3.5#



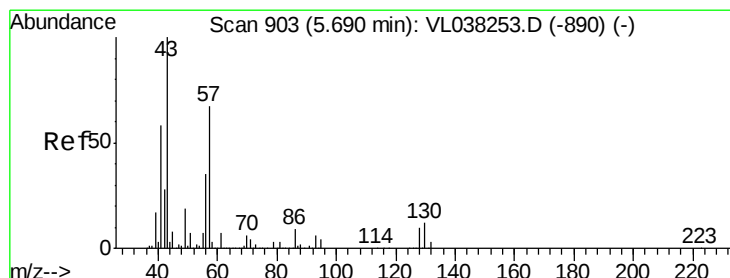
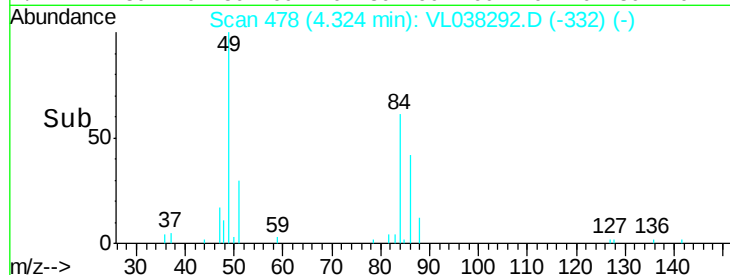
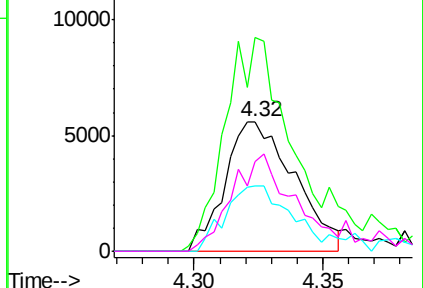


#20
Methylene Chloride
Concen: 0.256 ppbv
RT: 4.32
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Jan 2022 17:25

Tgt Ion:	84	Resp:	10467
Ion	Ratio	Lower	Upper
84	100		
49	155.6	115.0	172.6
51	50.0	35.0	52.6
86	68.8	51.4	77.0

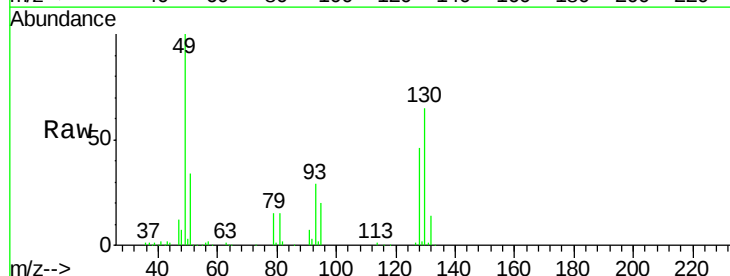


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

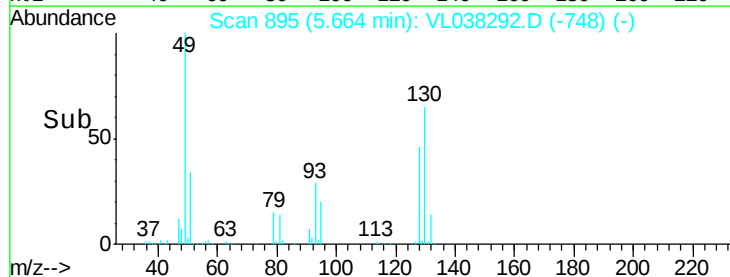
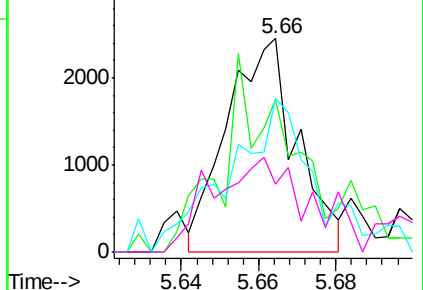


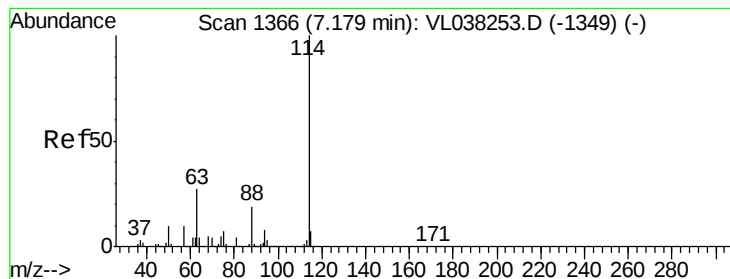
#26
Hexane
Concen: 0.034 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL038292.D
Acq: 26 Jan 2022 17:25

Tgt Ion:	57	Resp:	3082
Ion	Ratio	Lower	Upper
57	100		
41	108.1	72.8	109.2
43	96.5	177.0	265.6#
56	60.8	43.3	64.9



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 26 Jan 2022 17:25

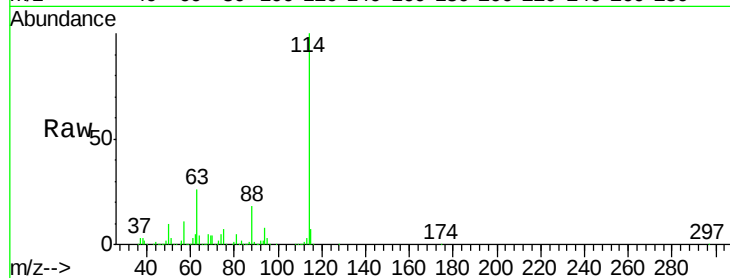
Tgt Ion: 114 Resp: 2115742

Ion Ratio Lower Upper

114 100

63 27.0 22.0 33.0

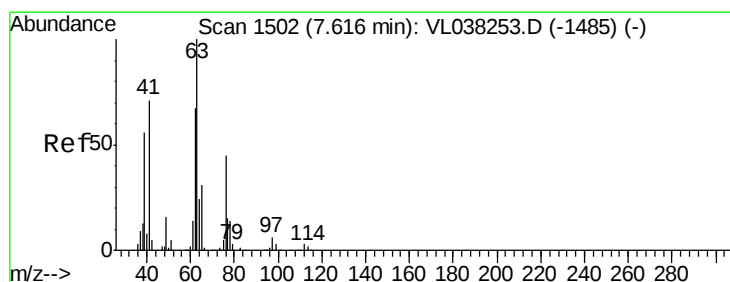
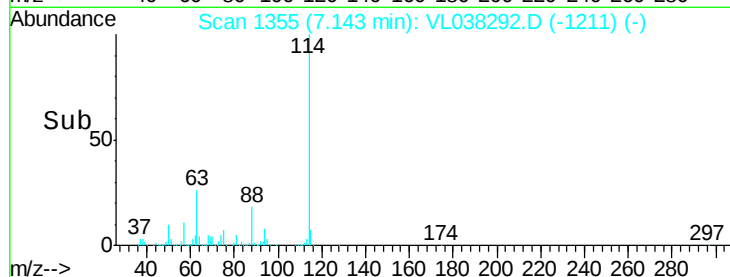
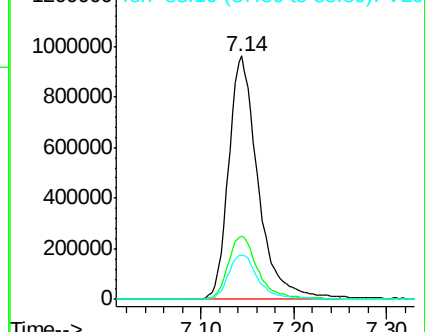
88 18.7 15.0 22.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 7.243 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.47 min

Lab File: VL038292.D

Acq: 26 Jan 2022 17:25

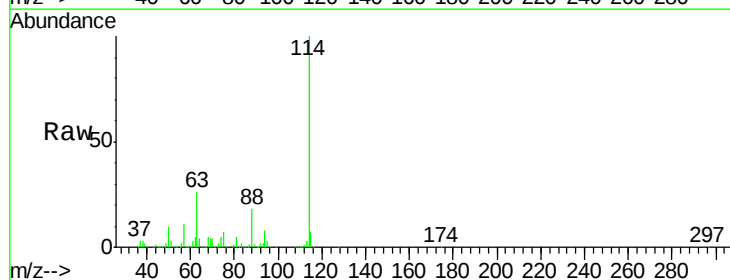
Tgt Ion: 63 Resp: 549527

Ion Ratio Lower Upper

63 100

41 0.0 56.6 85.0#

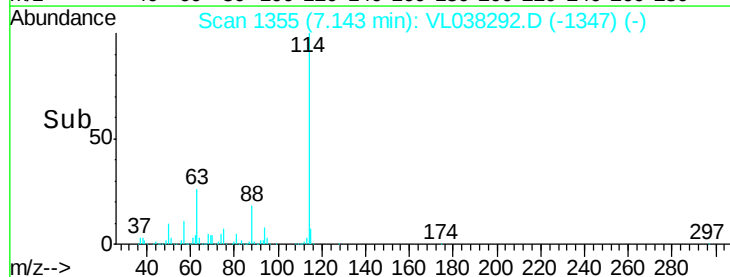
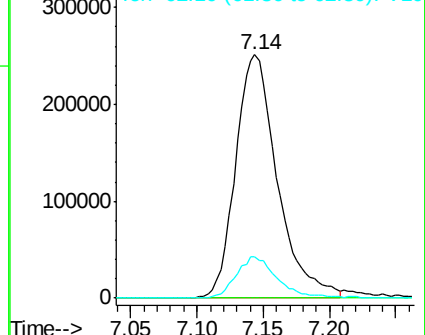
62 17.2 53.9 80.9#

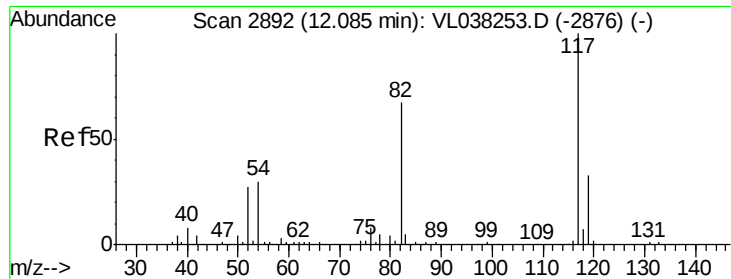


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05

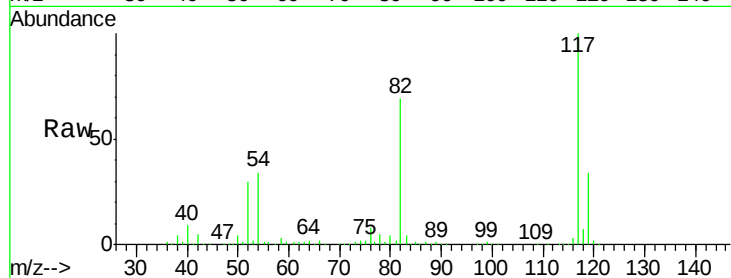
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

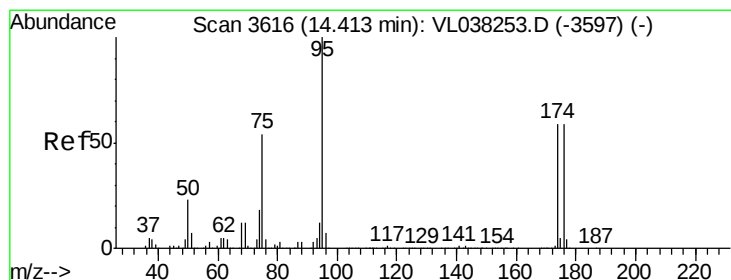
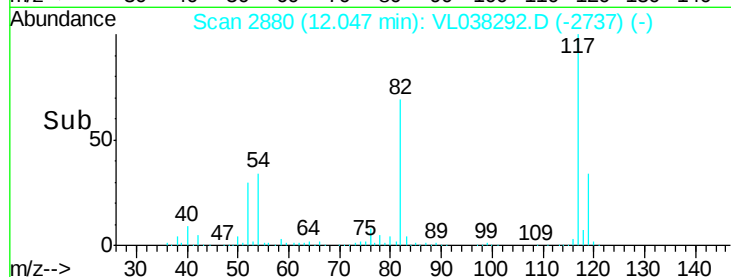
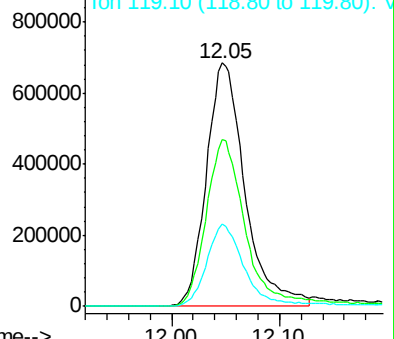
Acq: 26 Jan 2022 17:25

Tgt Ion: 117 Resp: 1705119

Ion	Ratio	Lower	Upper
117	100		
82	74.0	54.4	81.6
119	34.0	45.9	68.9#



Abundance Ion 117.10 (116.80 to 117.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.896 ppbv

RT: 14.38 min Scan# 3605

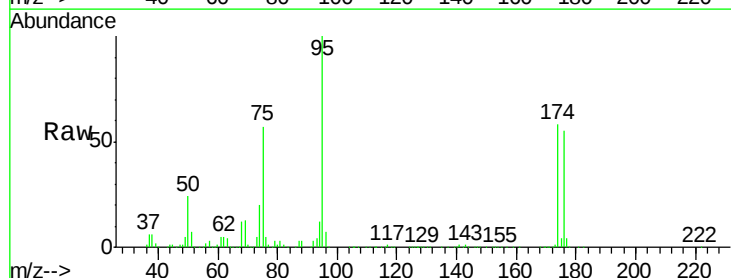
Delta R.T. -0.04 min

Lab File: VL038292.D

Acq: 26 Jan 2022 17:25

Tgt Ion: 95 Resp: 1280777

Ion	Ratio	Lower	Upper
95	100		
174	63.0	48.3	72.5
175	4.6	3.5	5.3



Abundance Ion 95.10 (94.80 to 95.80): VL0

