

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037583.D
 Acq On : 8 Sep 2021 22:35
 Operator : SY/AP
 Sample : M3663-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Quant Time: Sep 09 09:14:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1547774	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4560982	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3914666	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2825189	10.16	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

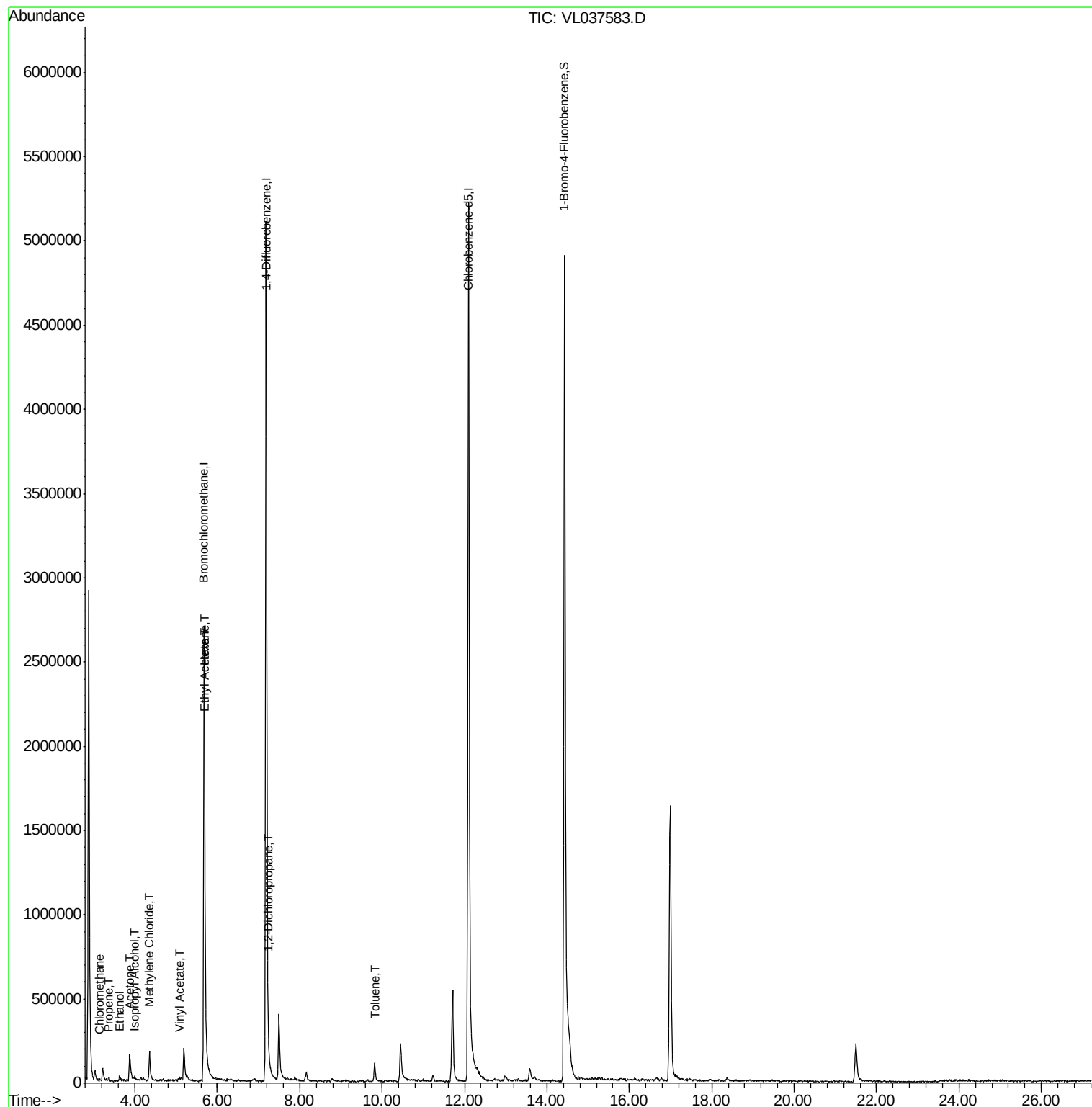
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.15	50	3834	0.036	ppbv	96
9) Propene	3.36	41	6210	0.059	ppbv	95
13) Ethanol	3.63	45	14683	1.423	ppbv #	1
15) Acetone	3.87	43	180329	1.145	ppbv #	63
19) Isopropyl Alcohol	3.99	45	5403	0.060	ppbv #	95
20) Methylene Chloride	4.35	84	69843	0.886	ppbv	93
23) Vinyl Acetate	5.08	43	12745	0.055	ppbv #	69
25) Ethyl Acetate	5.70	43	57857	0.145	ppbv #	78
26) Hexane	5.70	57	72796	0.372	ppbv #	47
39) 1,2-Dichloropropane	7.24	63	19489	0.132	ppbv #	32
53) Toluene	9.82	91	61029	0.139	ppbv #	63

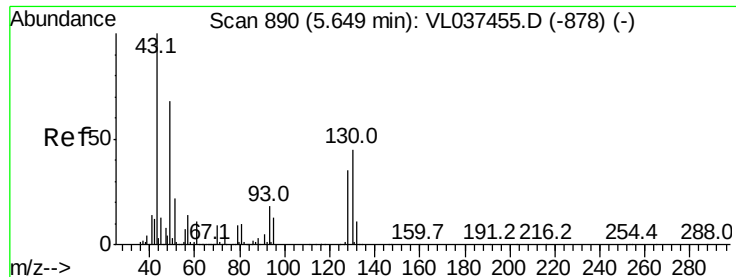
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037583.D

Acq: 8 Sep 2021 22:35

Instrument :

MSVOA_L

ClientSampleID :

QA-1DL

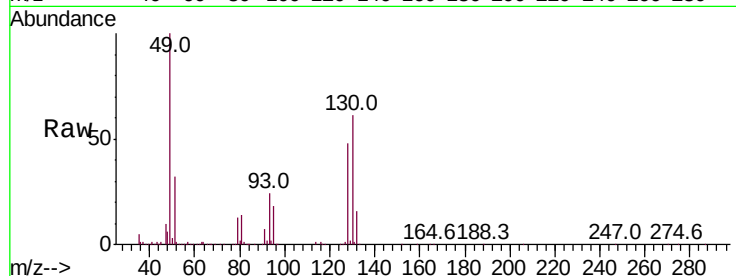
Tot Ion: 49 Resp: 1547774

Ion Ratio Lower Upper

49 100

128 53.9 27.5 82.4

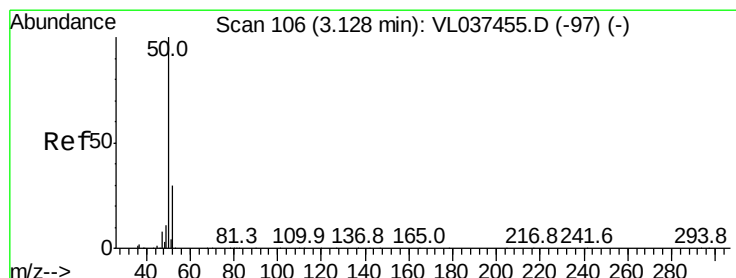
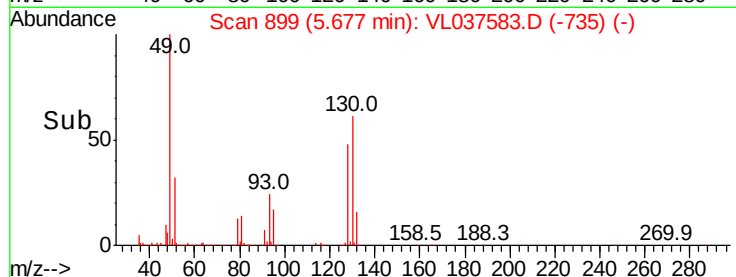
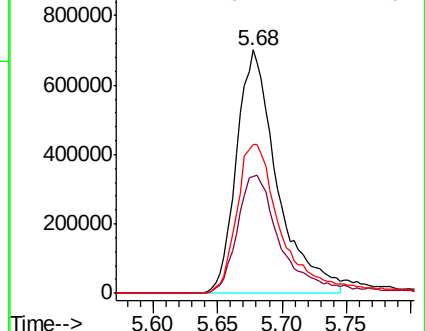
130 68.9 34.0 101.8



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



#4

Chloromethane

Concen: 0.036 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037583.D

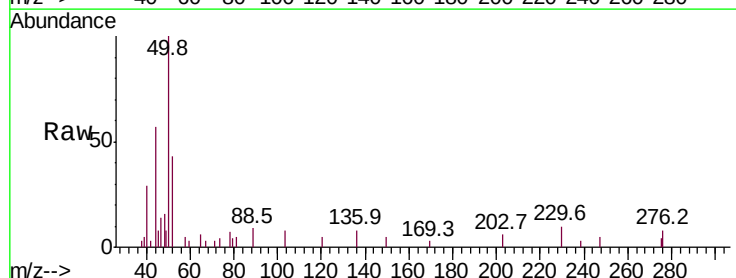
Acq: 8 Sep 2021 22:35

Tgt Ion: 50 Resp: 3834

Ion Ratio Lower Upper

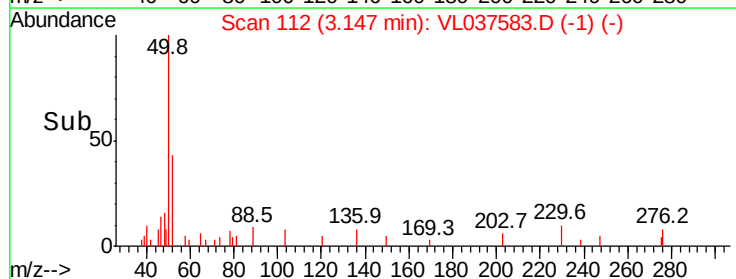
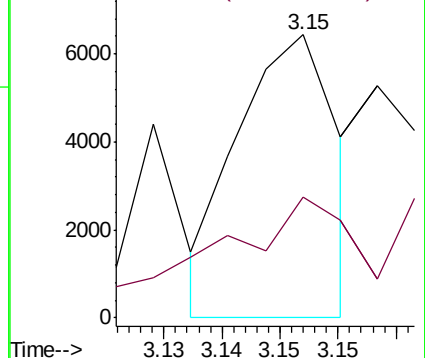
50 100

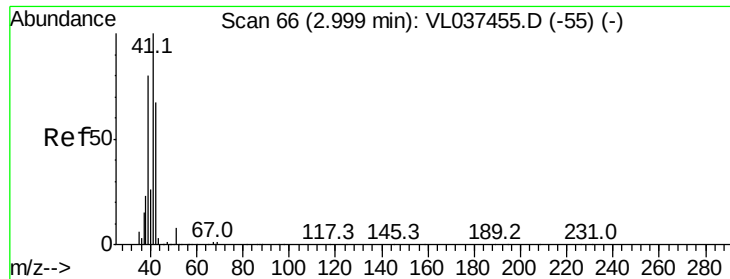
52 27.7 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.059 ppbv

RT: 3.36 min Scan# 179

Delta R.T. 0.36 min

Lab File: VL037583.D

Acq: 8 Sep 2021 22:35

Instrument :

MSVOA_L

ClientSampleId :

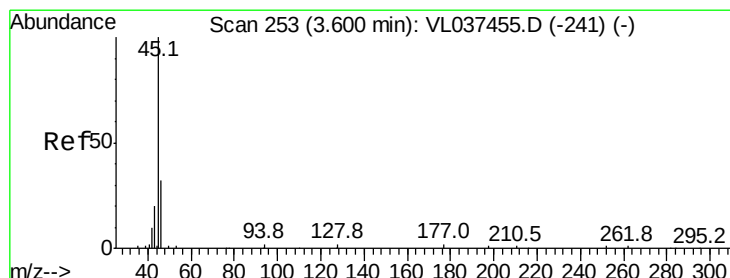
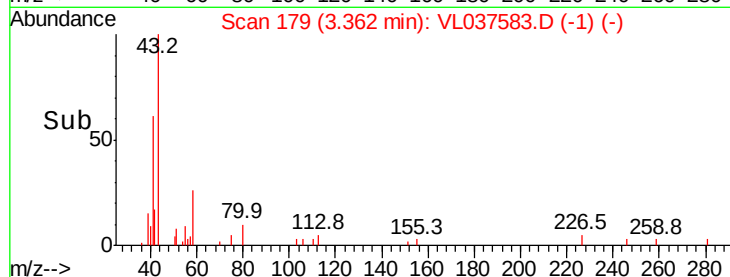
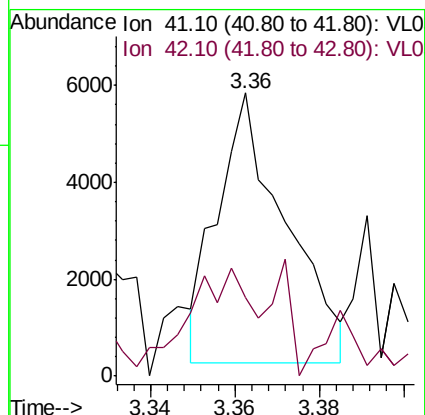
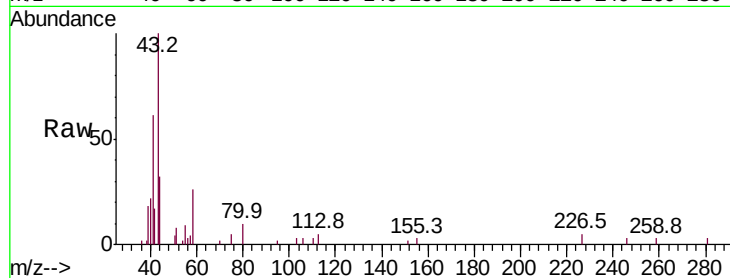
QA-1DL

Tot Ion: 41 Resp: 6210

Ion Ratio Lower Upper

41 100

42 63.2 53.7 80.5



#13

Ethanol

Concen: 1.423 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.03 min

Lab File: VL037583.D

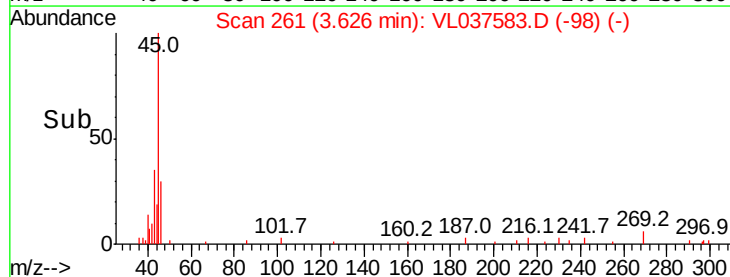
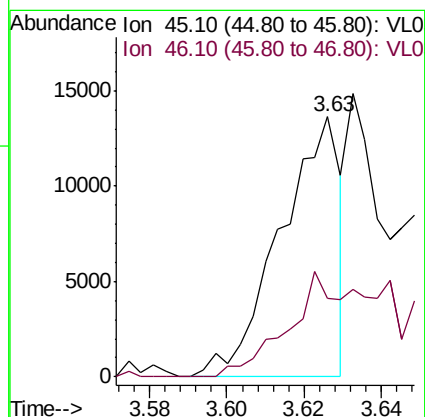
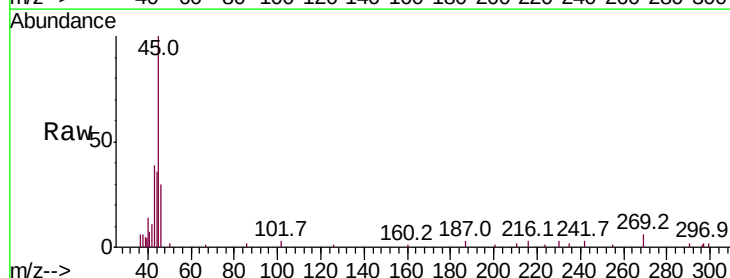
Acq: 8 Sep 2021 22:35

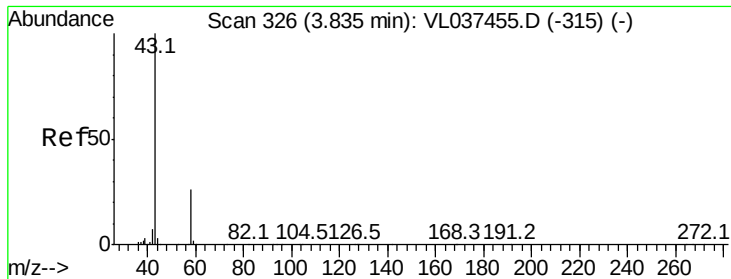
Tgt Ion: 45 Resp: 14683

Ion Ratio Lower Upper

45 100

46 102.7 14.1 56.5#





#15

Acetone

Concen: 1.145 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.04 min

Lab File: VL037583.D

Acq: 8 Sep 2021 22:35

Instrument :

MSVOA_L

ClientSampleId :

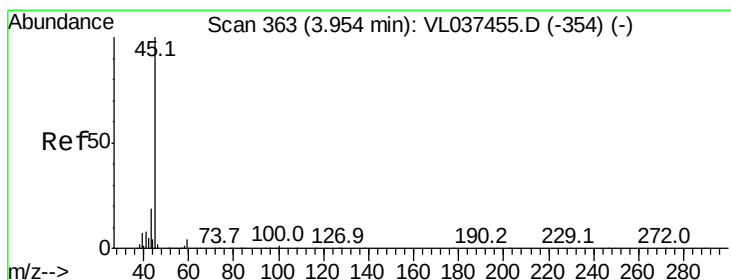
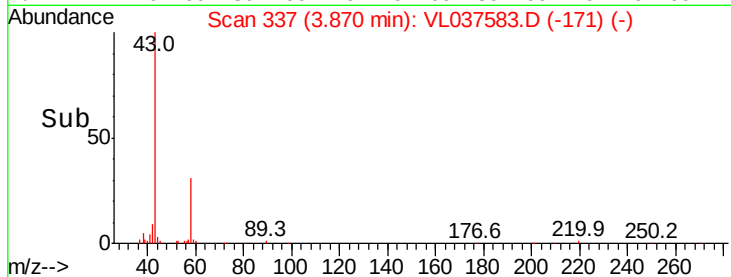
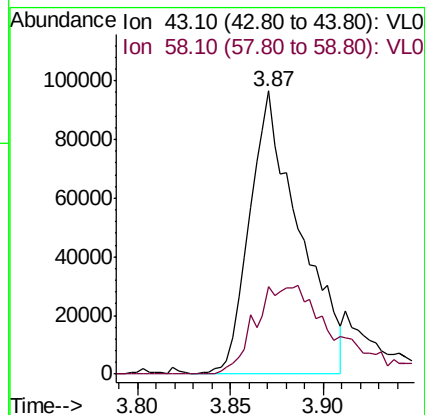
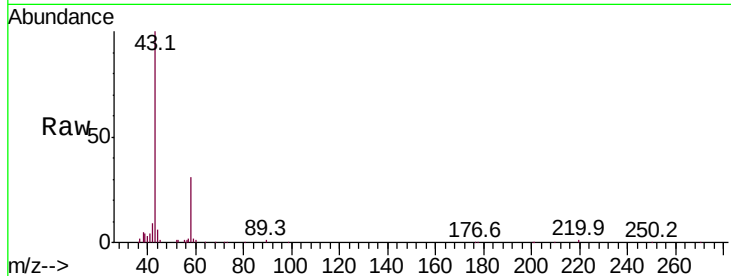
QA-1DL

Tot Ion: 43 Resp: 180329

Ion Ratio Lower Upper

43 100

58 51.6 24.8 37.2#



#19

Isopropyl Alcohol

Concen: 0.060 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL037583.D

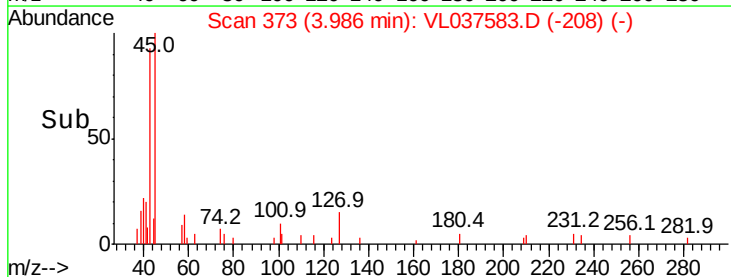
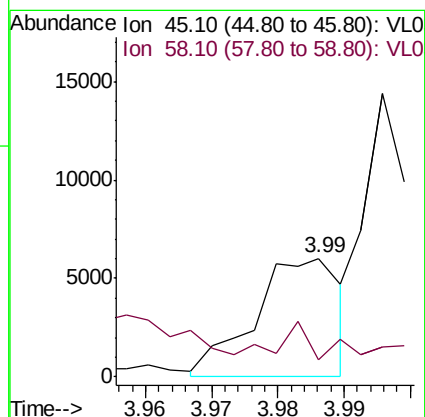
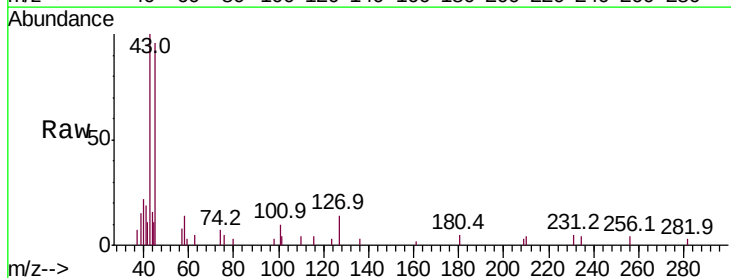
Acq: 8 Sep 2021 22:35

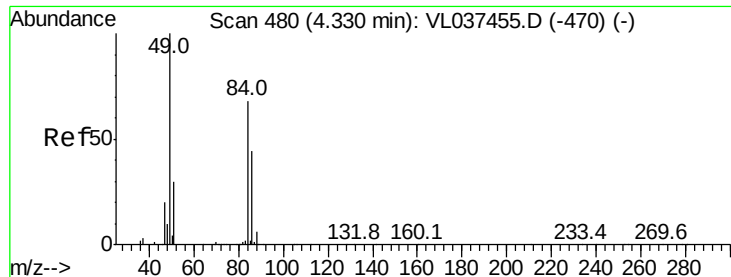
Tgt Ion: 45 Resp: 5403

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

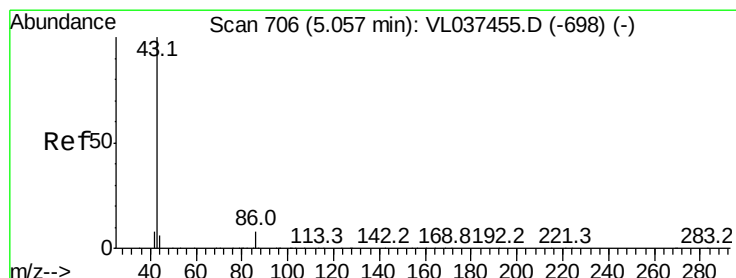
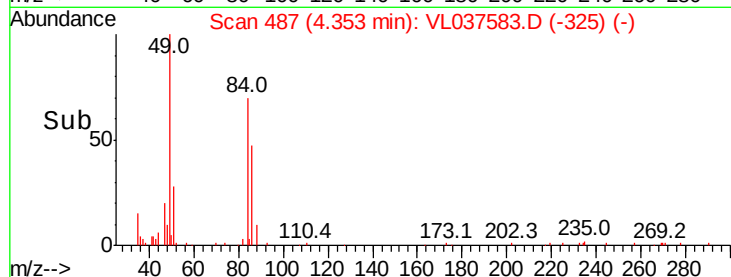
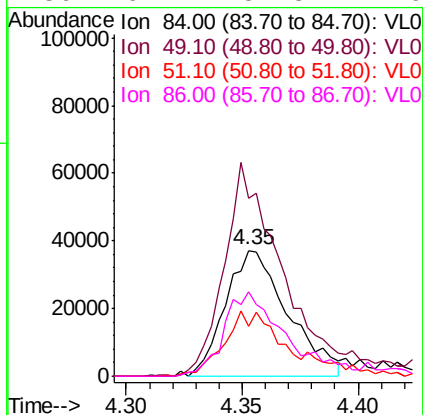
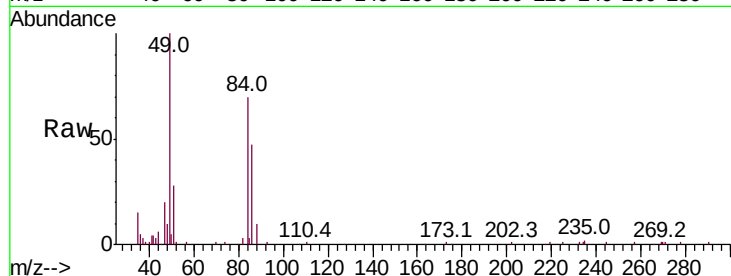




#20
Methylene Chloride
Concen: 0.886 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037583.D
Acq: 8 Sep 2021 22:35

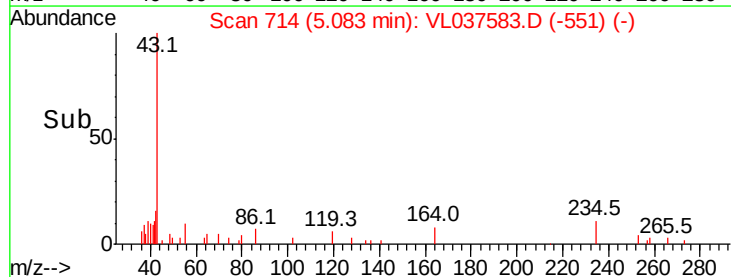
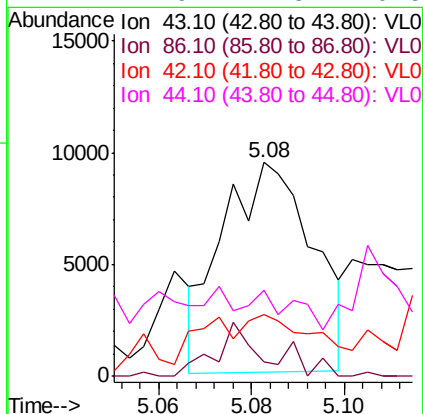
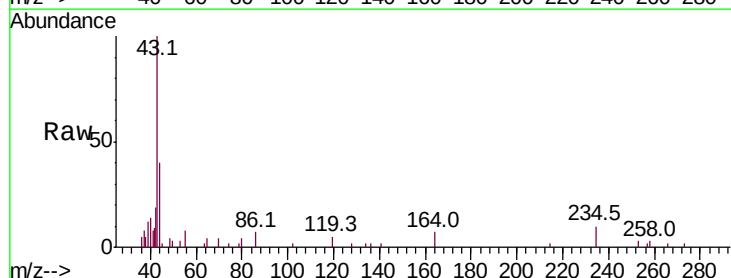
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

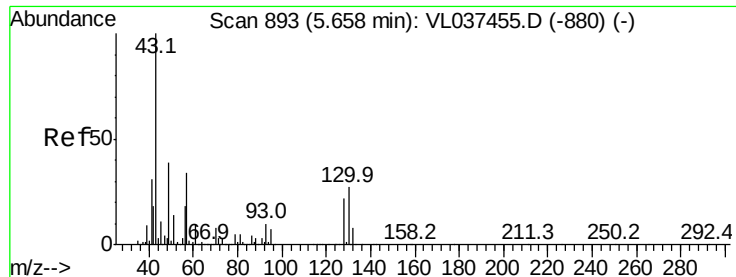
Tot Ion:	84	Resp:	69843
Ion	Ratio	Lower	Upper
84	100		
49	136.4	118.2	177.2
51	37.6	36.6	55.0
86	64.4	51.8	77.6



#23
Vinyl Acetate
Concen: 0.055 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.03 min
Lab File: VL037583.D
Acq: 8 Sep 2021 22:35

Tgt Ion:	43	Resp:	12745
Ion	Ratio	Lower	Upper
43	100		
86	11.9	5.7	8.5#
42	27.1	7.4	11.2#
44	12.9	4.3	6.5#

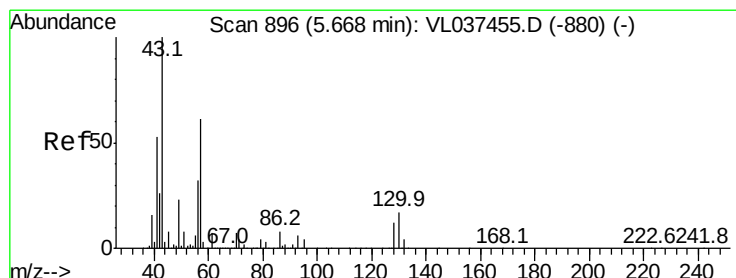
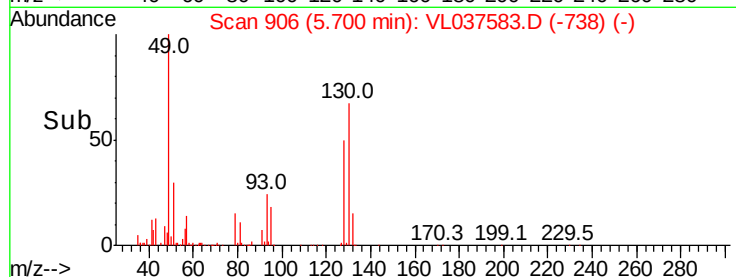
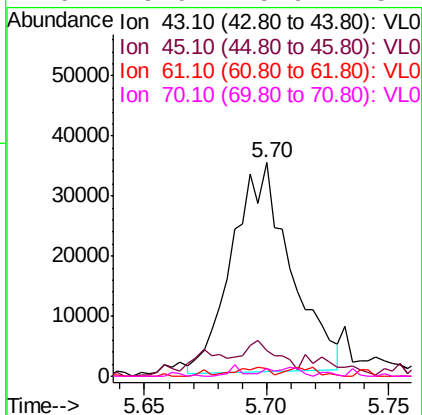
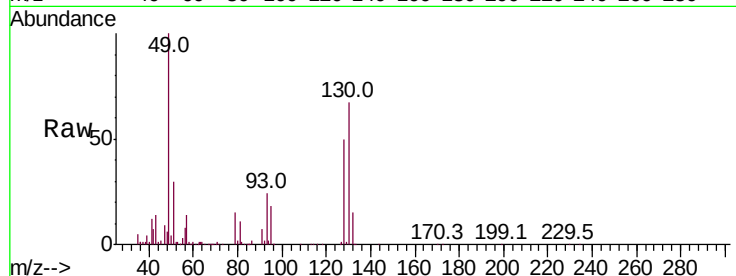




#25
Ethyl Acetate
Concen: 0.145 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL037583.D
Acq: 8 Sep 2021 22:35

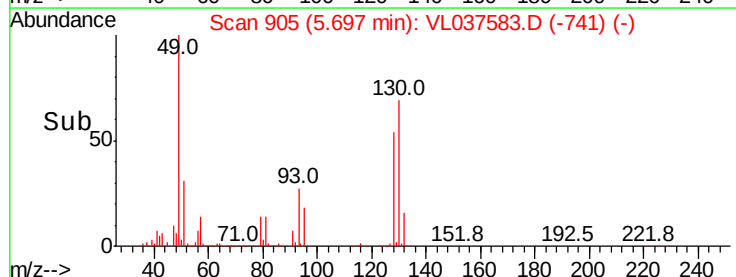
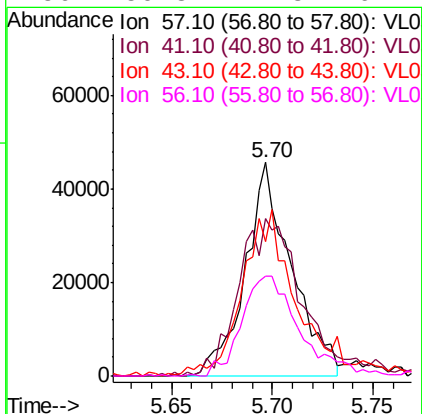
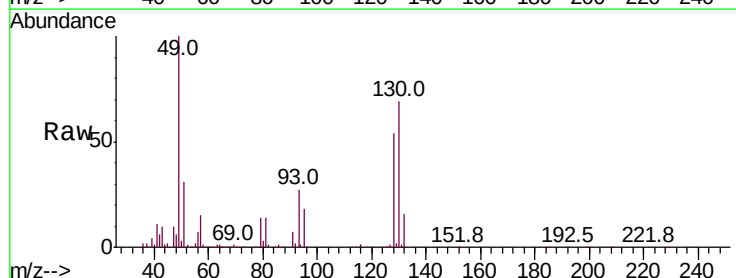
Instrument :
MSVOA_L
ClientSampleId :
QA-1DL

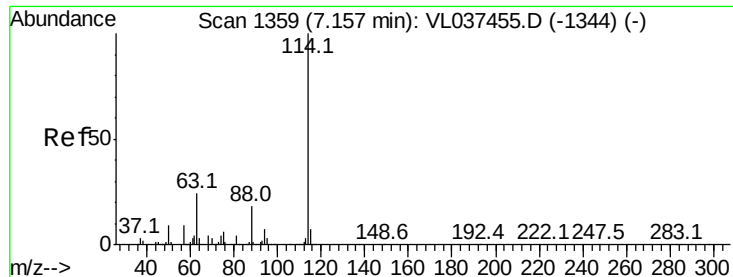
Tot Ion:	43	Resp:	57857
Ion	Ratio	Lower	Upper
43	100		
45	25.5	8.0	12.0#
61	5.7	8.0	12.0#
70	3.6	5.6	8.4#



#26
Hexane
Concen: 0.372 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL037583.D
Acq: 8 Sep 2021 22:35

Tgt Ion:	57	Resp:	72796
Ion	Ratio	Lower	Upper
57	100		
41	107.0	72.3	108.5
43	90.8	172.3	258.5#
56	59.8	42.8	64.2

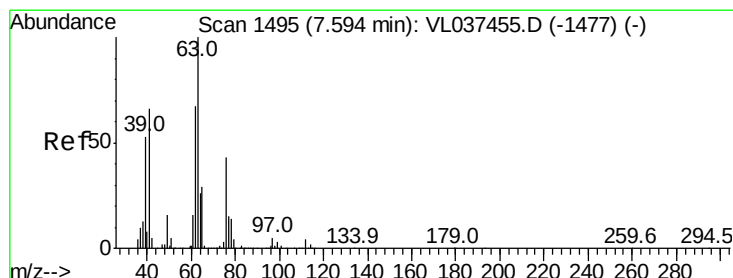
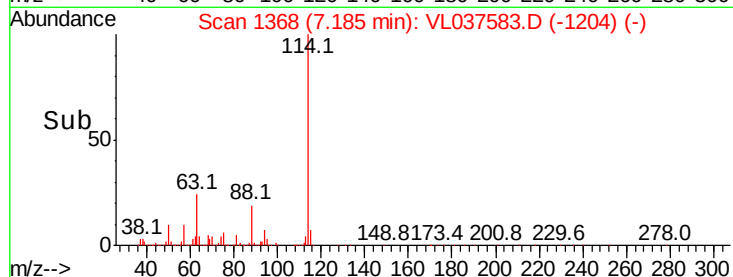
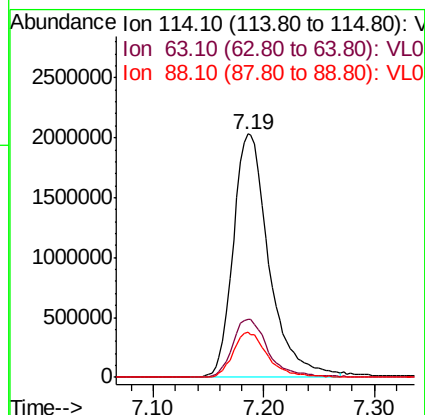
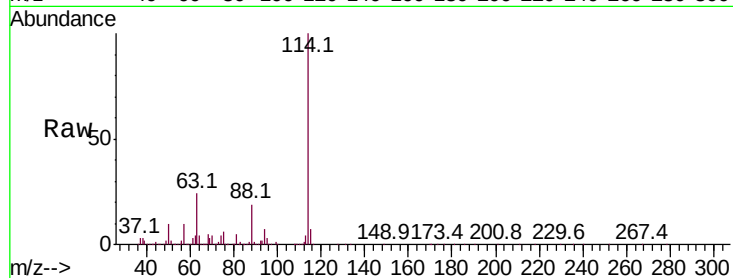




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VL037583.D
 Acq: 8 Sep 2021 22:35

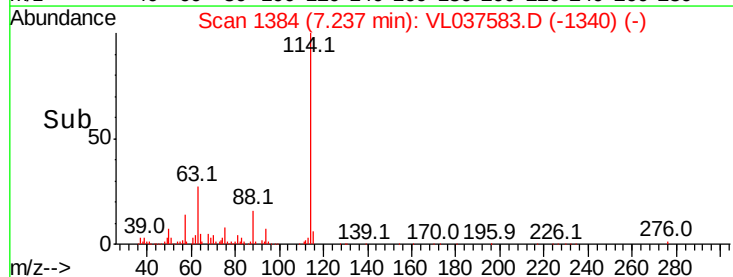
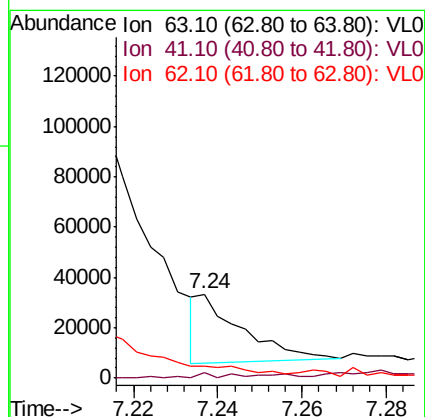
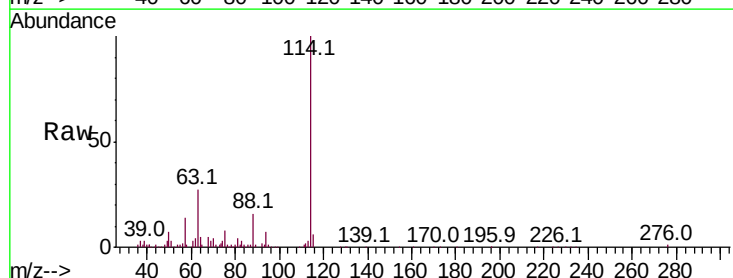
Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

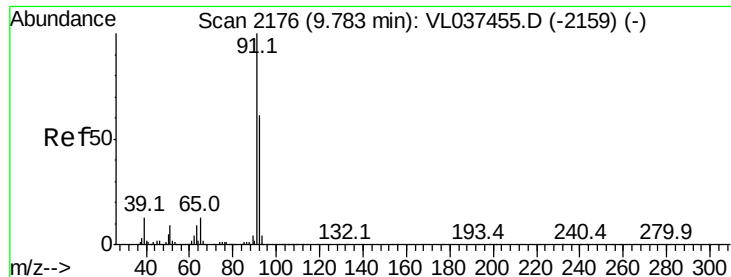
Tot Ion:114 Resp: 4560982
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.3 28.9
 88 18.2 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 0.132 ppbv
 RT: 7.24 min Scan# 1384
 Delta R.T. -0.36 min
 Lab File: VL037583.D
 Acq: 8 Sep 2021 22:35

Tgt Ion: 63 Resp: 19489
 Ion Ratio Lower Upper
 63 100
 41 9.7 52.4 78.6#
 62 15.2 53.6 80.4#





#53

Toluene

Concen: 0.139 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.04 min

Lab File: VL037583.D

Acq: 8 Sep 2021 22:35

Instrument :

MSVOA_L

ClientSampled :

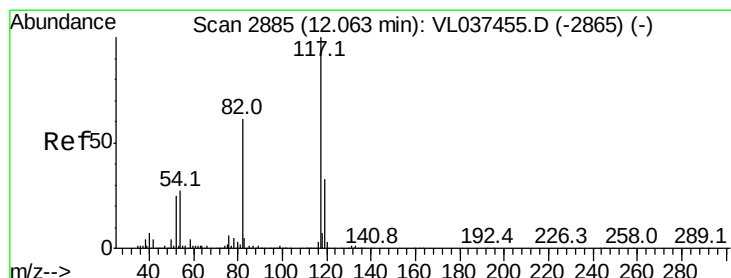
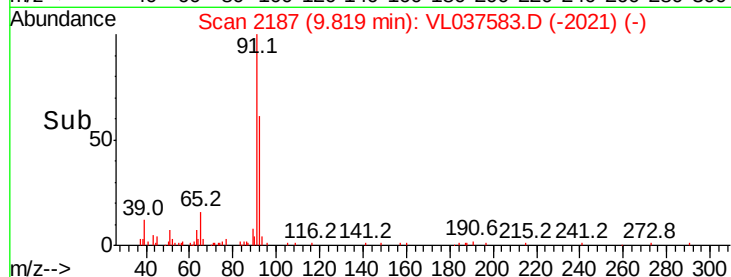
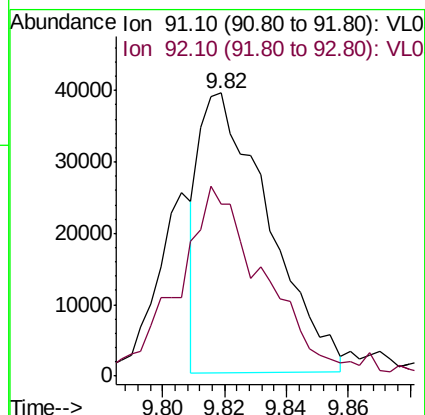
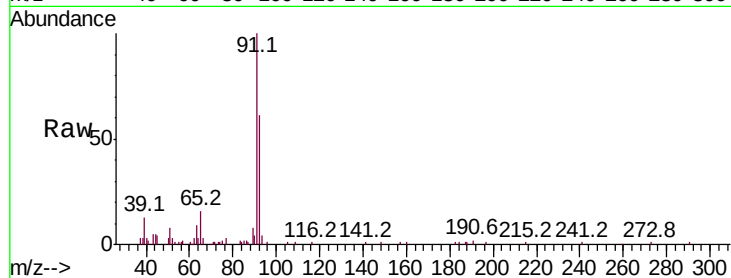
QA-1DL

Tot Ion: 91 Resp: 61029

Ion Ratio Lower Upper

91 100

92 88.9 48.8 73.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.04 min

Lab File: VL037583.D

Acq: 8 Sep 2021 22:35

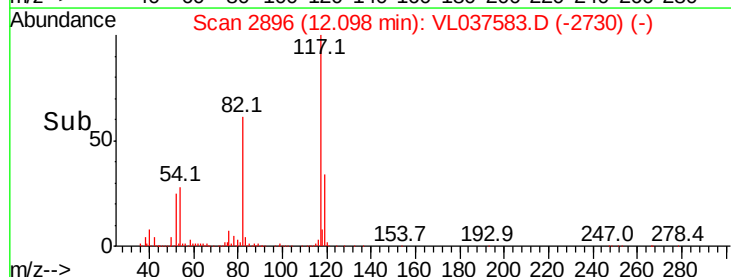
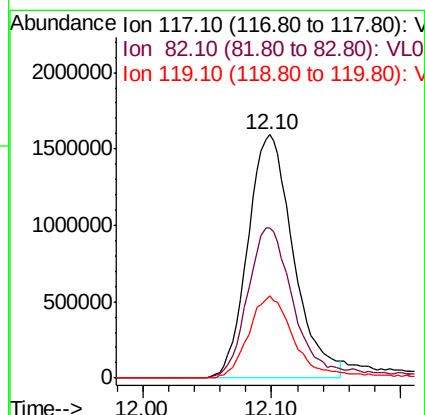
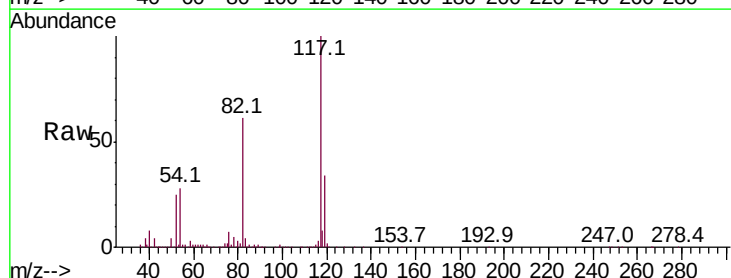
Tgt Ion: 117 Resp: 3914666

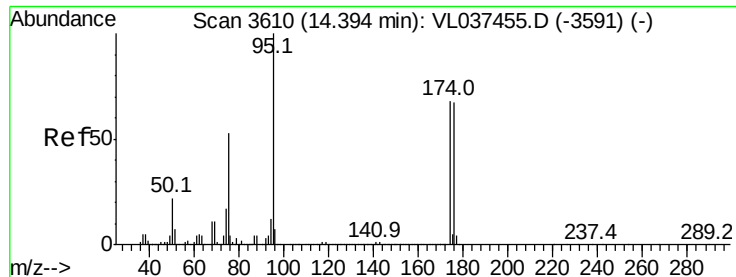
Ion Ratio Lower Upper

117 100

82 66.4 52.9 79.3

119 35.6 24.8 37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.158 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.03 min

Lab File: VL037583.D

Acq: 8 Sep 2021 22:35

Instrument :

MSVOA_L

ClientSampleId :

QA-1DL

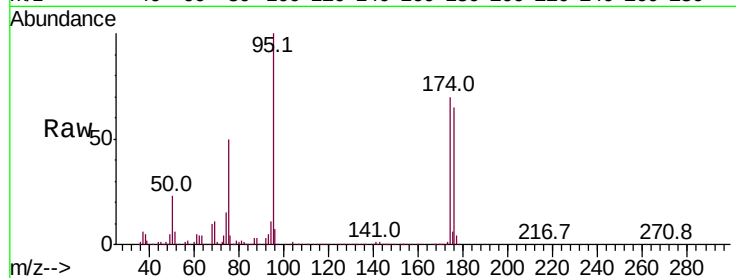
Tot Ion: 95 Resp: 2825189

Ion Ratio Lower Upper

95 100

174 77.2 59.6 89.4

175 5.3 4.6 7.0



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

