

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033635.D
 Acq On : 2 May 2019 19:44
 Operator : SY/AP
 Sample : K2628-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

Manual Integrations
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 5/4/2019 7:18:42 AM

Quant Time: May 03 04:31:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 04:31:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	959796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2240662	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2324384	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1840026	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	15948	0.110	ppbv	98
13) Ethanol	3.65	45	71235m	4.781	ppbv	
15) Acetone	3.91	43	56371	0.482	ppbv	95
19) Isopropyl Alcohol	4.04	45	16570	0.207	ppbv #	87
53) Toluene	9.95	91	29084m	0.121	ppbv	

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

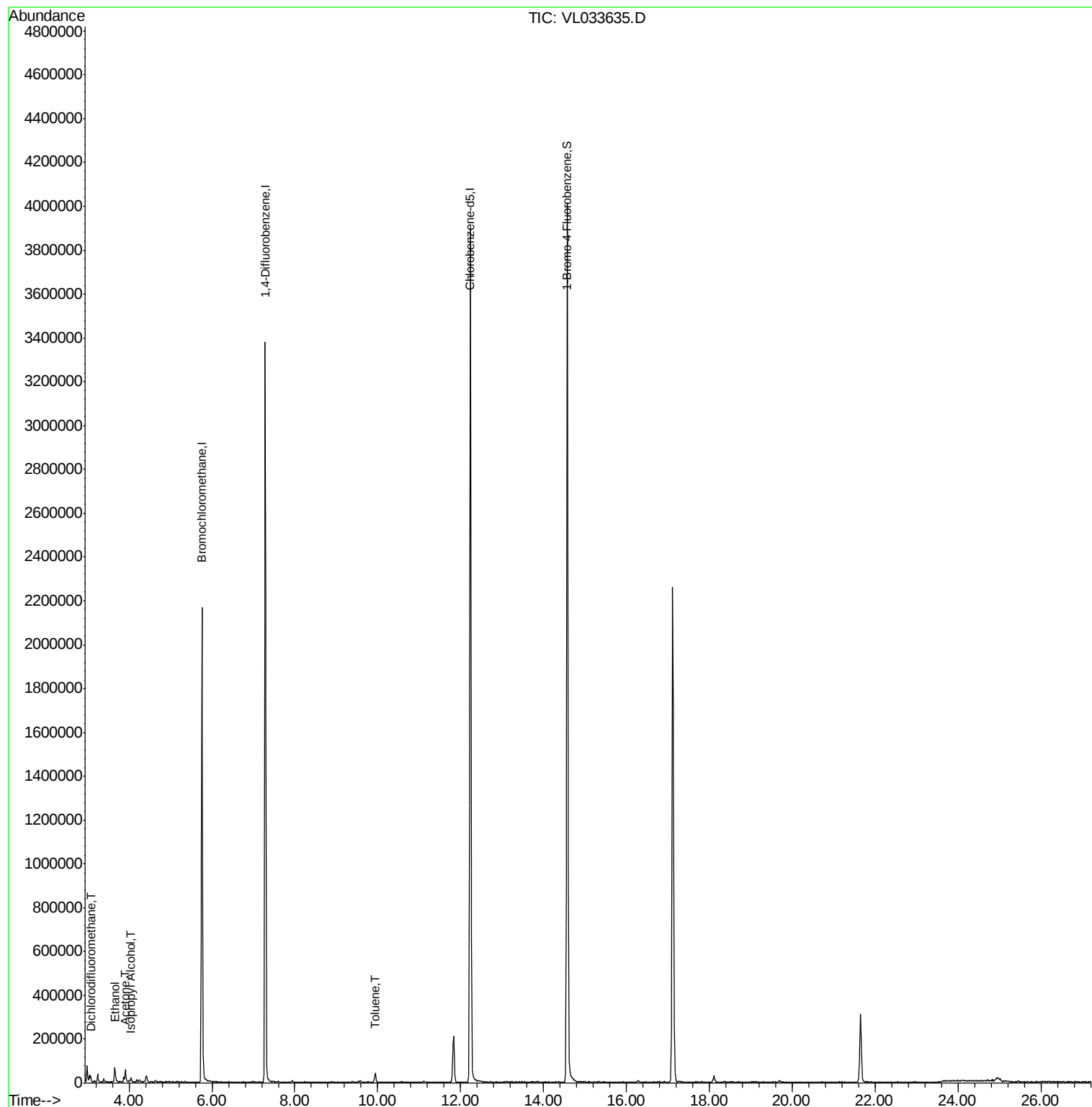
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050219\
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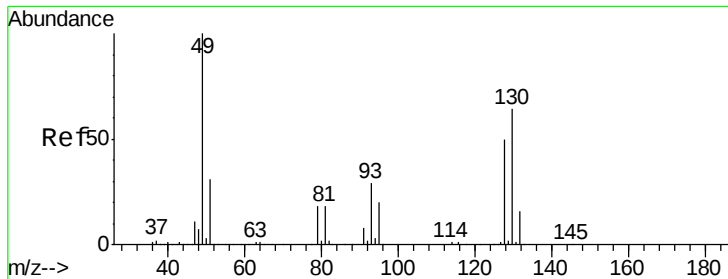
Instrument :
MSVOA_L
ClientSampleId :
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#1

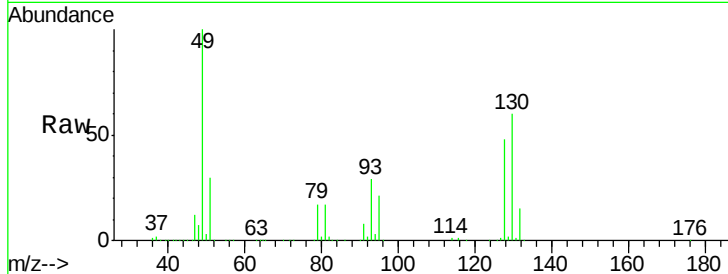
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VL033635.D
 Acq: 2 May 2019 19:44

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

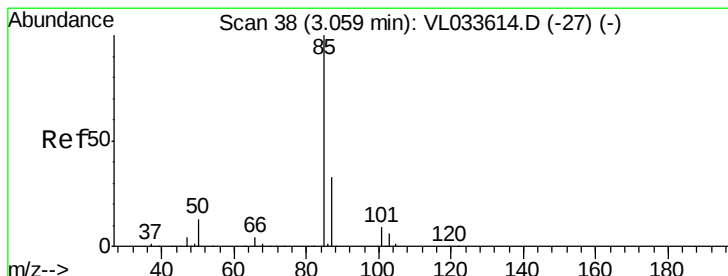
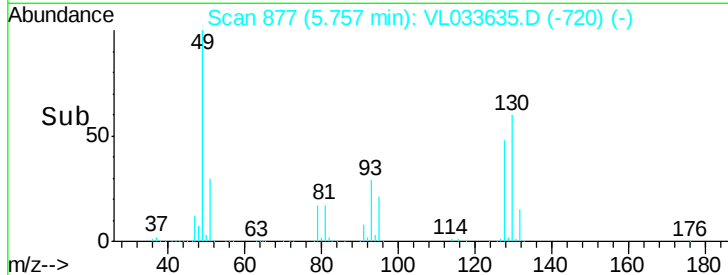
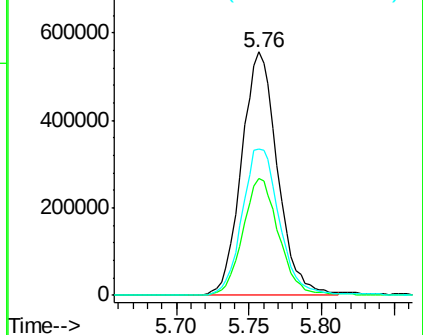
Tot Ion:	49	Resp:	959796
Ion	Ratio	Lower	Upper
49	100		
128	48.3	25.0	75.0
130	63.0	31.9	95.9

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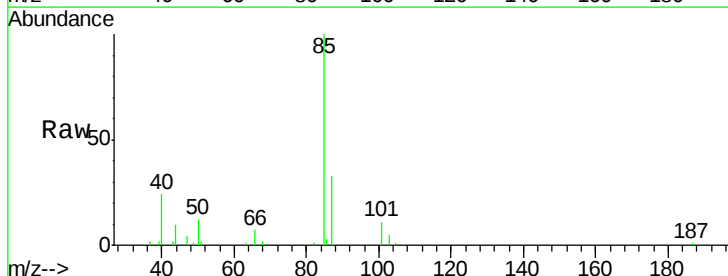
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



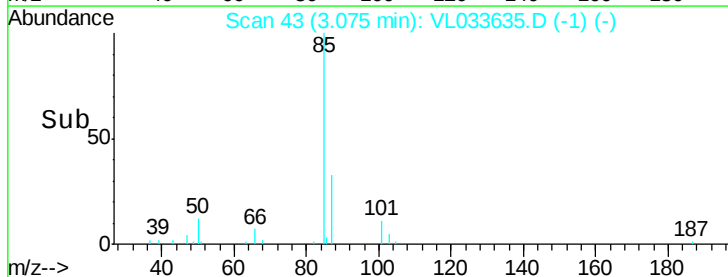
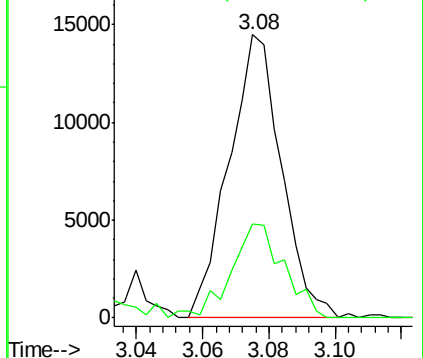
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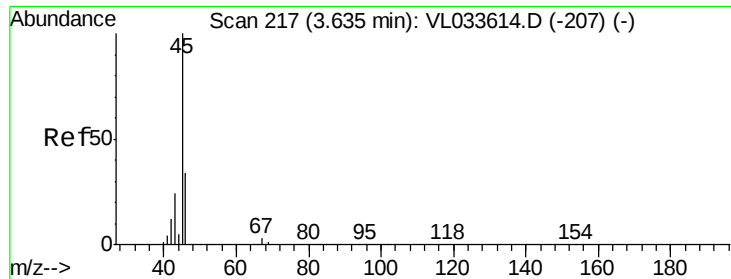
Dichlorodifluoromethane
 Concen: 0.110 ppbv
 RT: 3.08 min Scan# 43
 Delta R.T. 0.02 min
 Lab File: VL033635.D
 Acq: 2 May 2019 19:44

Tgt Ion:	85	Resp:	15948
Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.8	40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0
 Ion 87.00 (86.70 to 87.70): VL0





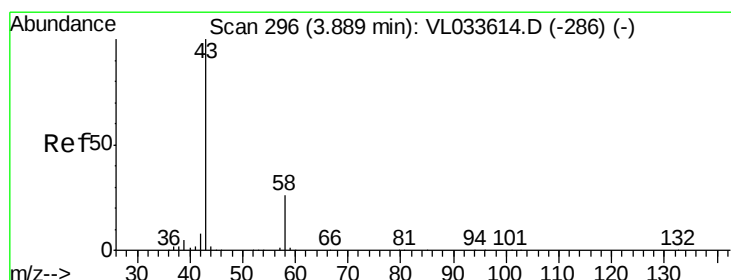
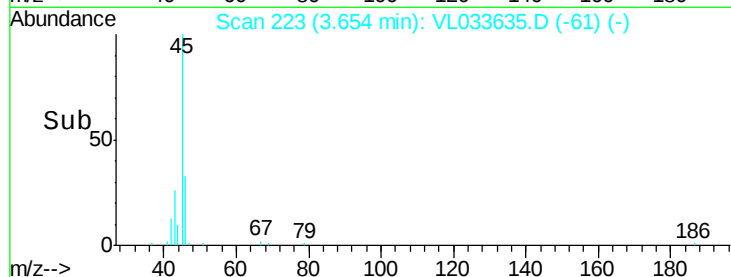
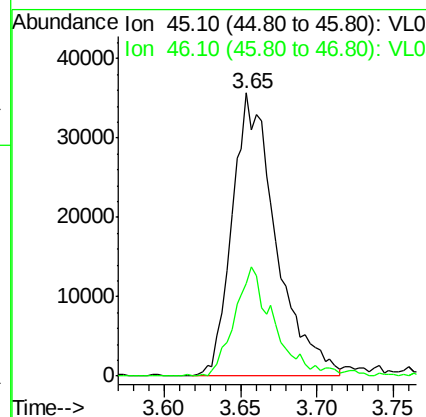
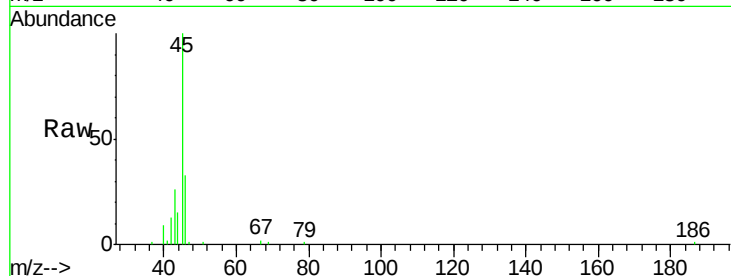
#13
Ethanol
Concen: 4.781 ppbv m
RT: 3.65 min Scan# 223
Delta R.T. 0.02 min
Lab File: VL033635.D
Acq: 2 May 2019 19:44

Instrument :
MSVOA_L
ClientSampleId :
A-5DL

Tot Ion: 45 Resp: 71235
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#

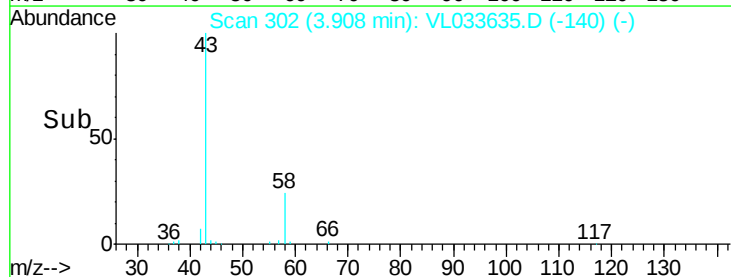
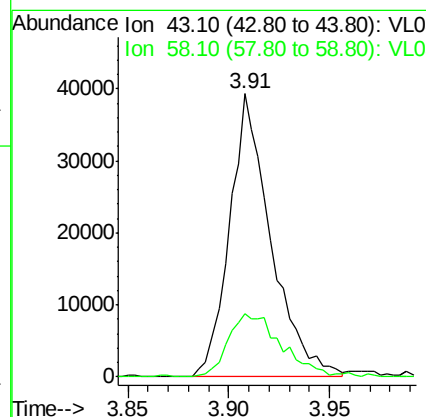
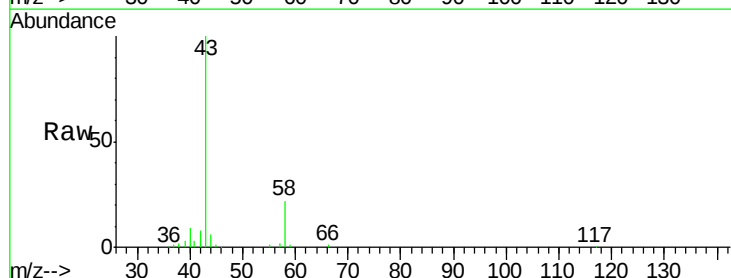
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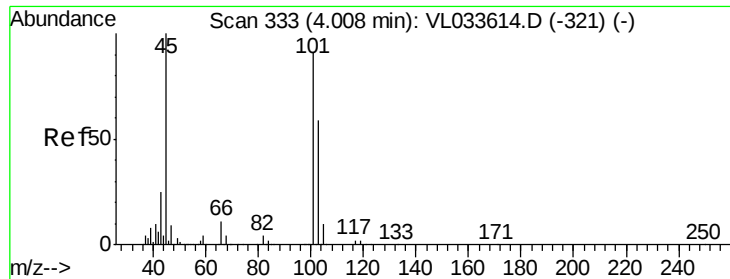
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#15
Acetone
Concen: 0.482 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.02 min
Lab File: VL033635.D
Acq: 2 May 2019 19:44

Tgt Ion: 43 Resp: 56371
Ion Ratio Lower Upper
43 100
58 28.9 21.2 31.8





#19

Isopropyl Alcohol

Concen: 0.207 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.03 min

Lab File: VL033635.D

Acq: 2 May 2019 19:44

Instrument :

MSVOA_L

ClientSampleId :

A-5DL

Tot Ion: 45 Resp: 16570

Ion Ratio Lower Upper

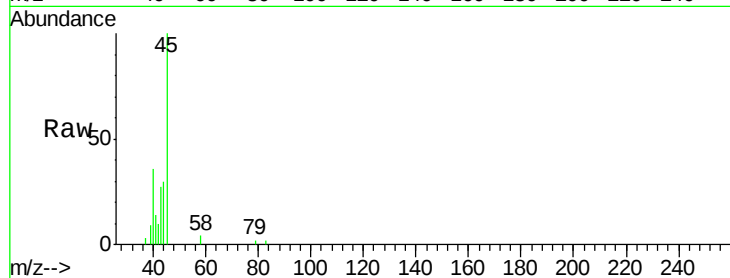
45 100

58 6.8 1.8 2.6#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

10000

8000

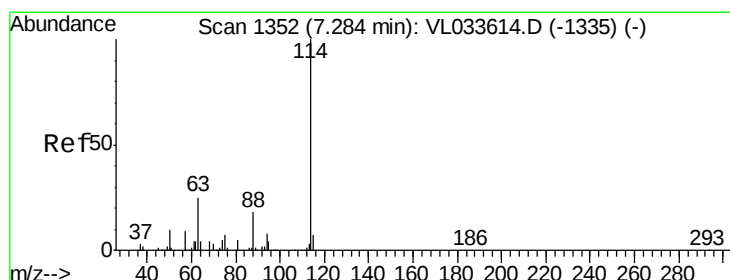
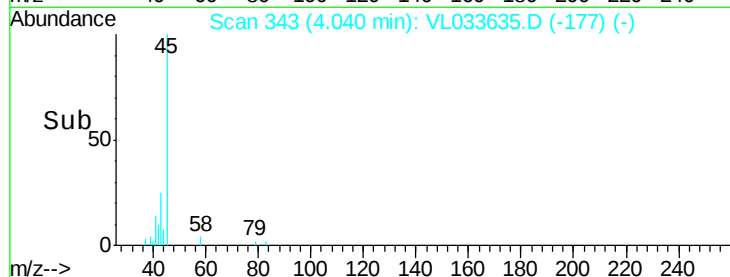
6000

4000

2000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL033635.D

Acq: 2 May 2019 19:44

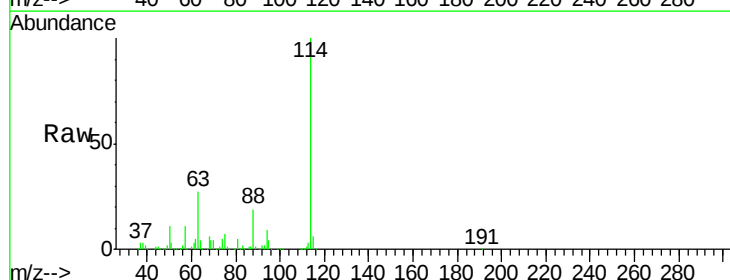
Tgt Ion: 114 Resp: 2240662

Ion Ratio Lower Upper

114 100

63 26.7 21.1 31.7

88 18.2 14.2 21.4



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

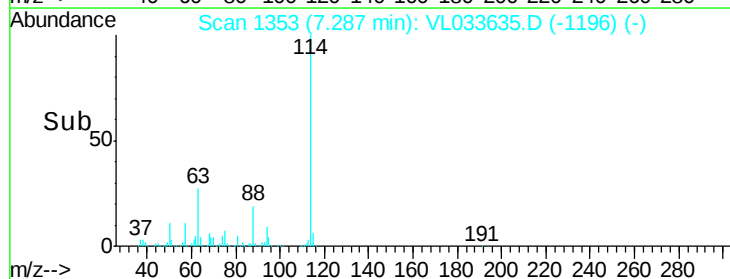
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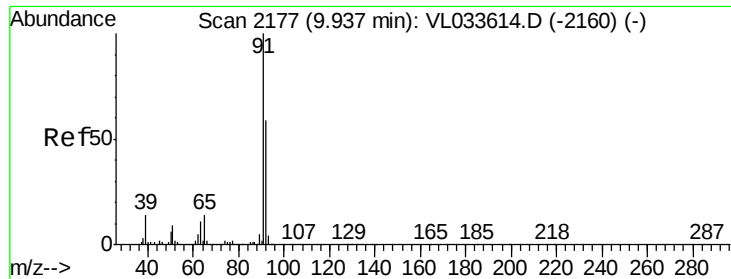
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500000

0

Time-->





#53

Toluene

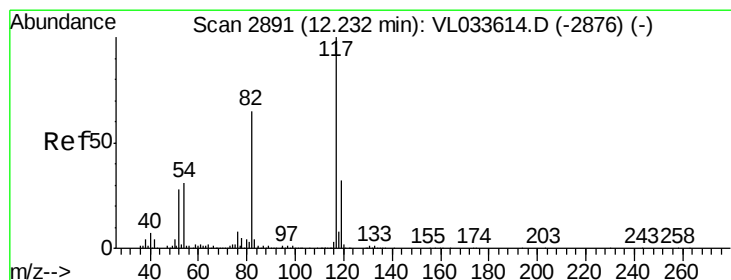
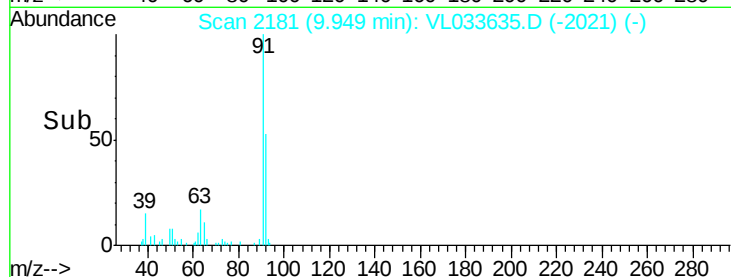
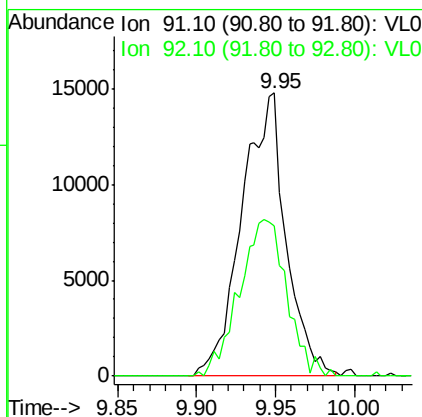
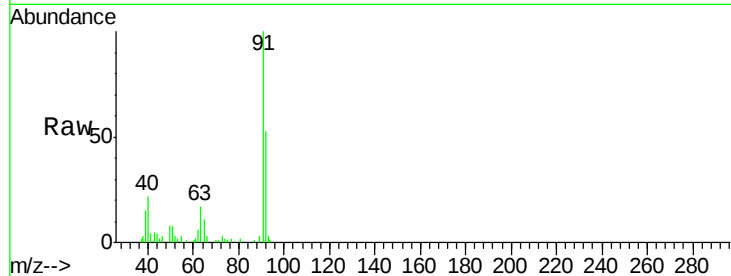
Concen: 0.121 ppbv m
 RT: 9.95 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: VL033635.D
 Acq: 2 May 2019 19:44

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	0.0	47.8	71.6	

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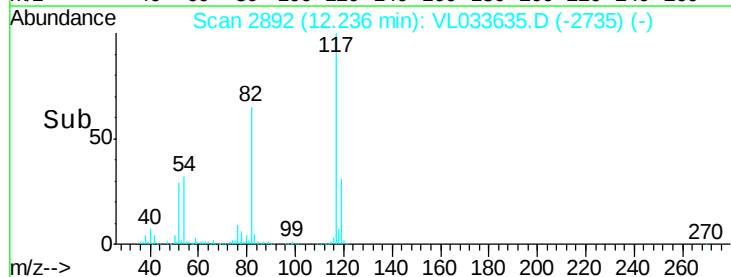
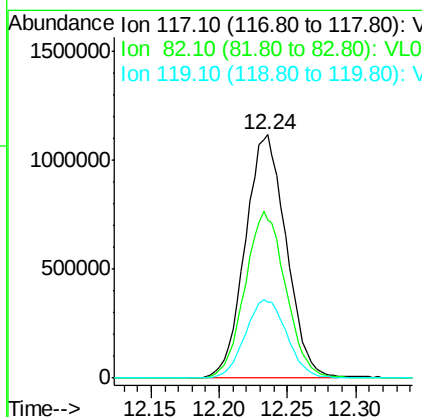
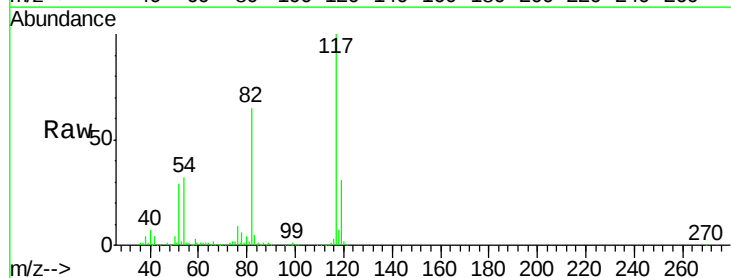


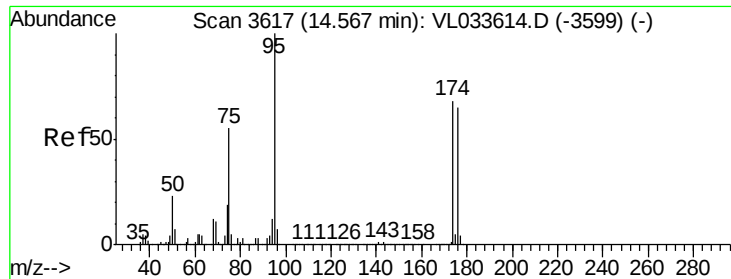
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. 0.00 min
 Lab File: VL033635.D
 Acq: 2 May 2019 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
82	68.1	52.6	78.8	
119	32.9	28.3	42.5	





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.398 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL033635.D
 Acq: 2 May 2019 19:44

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.0	53.9	80.9
175	5.0	4.0	6.0

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