

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033631.D
 Acq On : 2 May 2019 17:03
 Operator : SY/AP
 Sample : K2628-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Manual Integrations
 APPROVED

MMDadoda
 5/4/2019 7:18:39 AM

Quant Time: May 03 04:14:06 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 04:14:06 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	919479	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2216814	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2395481	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1953051	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	20455m	0.148	ppbv	
3) Chlorodifluoromethane	3.01	51	77533m	0.705	ppbv	
13) Ethanol	3.65	45	156660	10.976	ppbv	95
15) Acetone	3.91	43	66181	0.591	ppbv	96
19) Isopropyl Alcohol	4.04	45	37281m	0.485	ppbv	
26) Hexane	5.77	57	19797m	0.221	ppbv	
53) Toluene	9.94	91	147164	0.617	ppbv	96

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

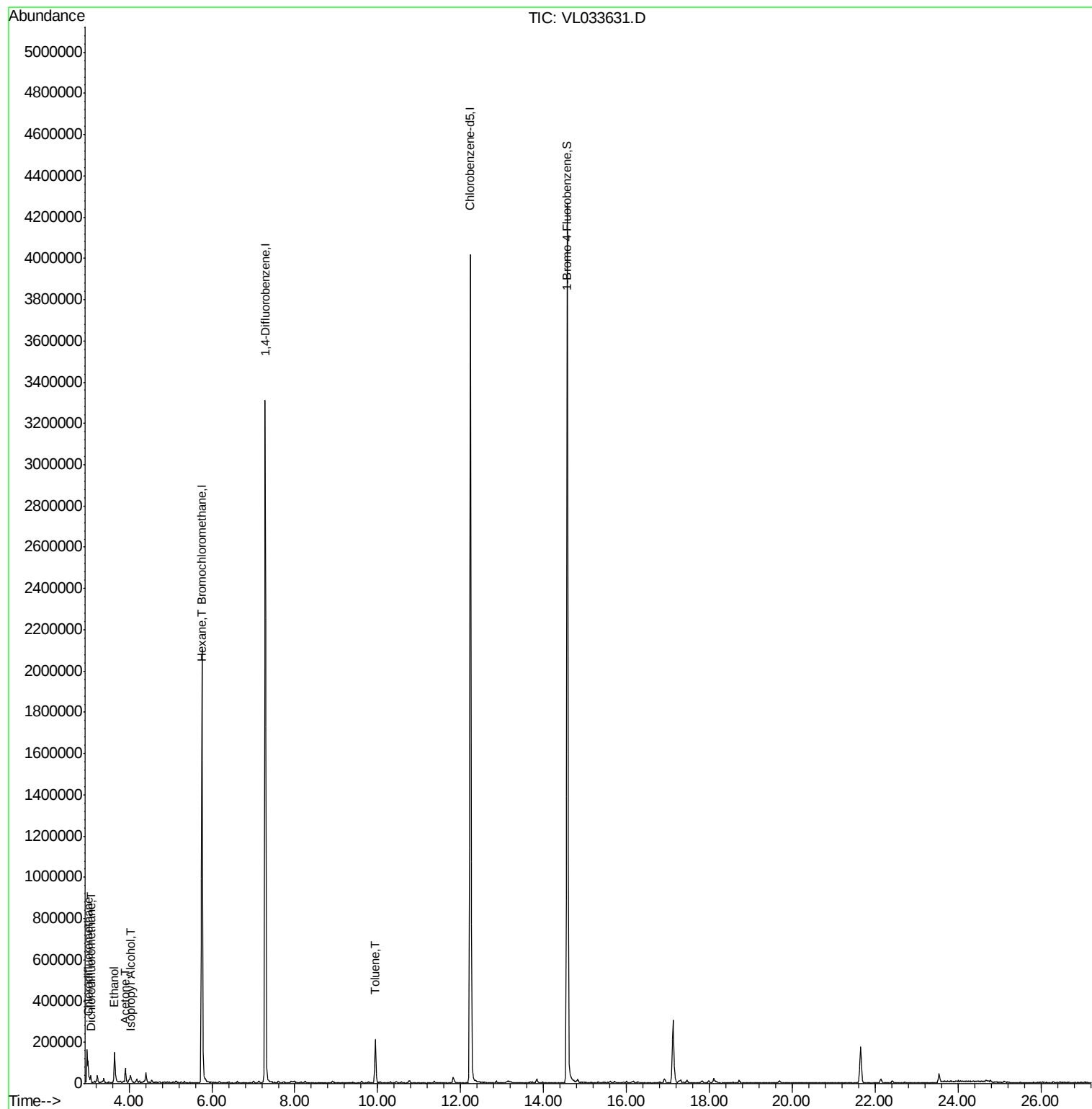
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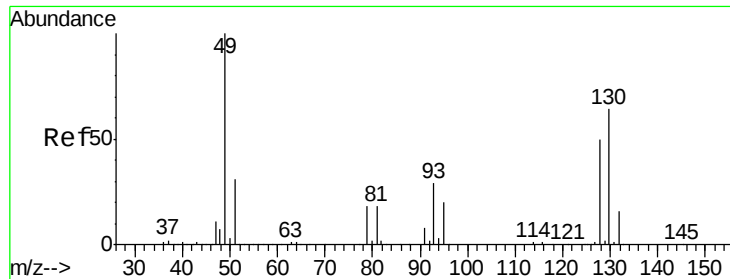
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
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QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033631.D

Acq: 2 May 2019 17:03

Instrument :

MSVOA_L

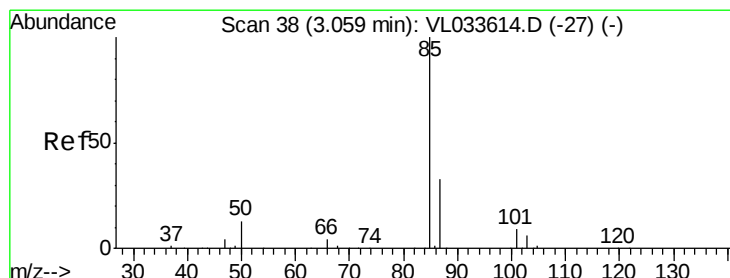
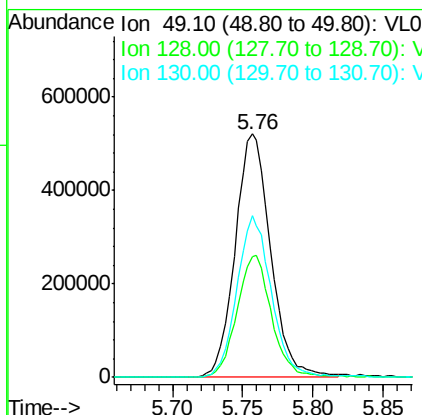
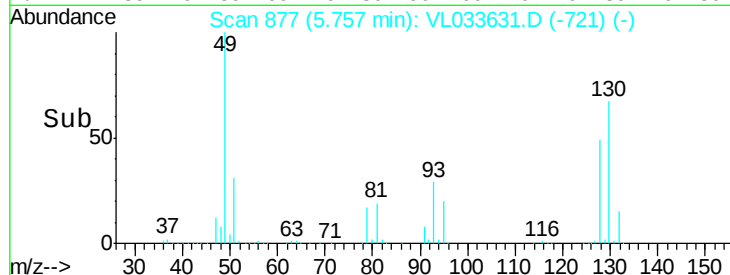
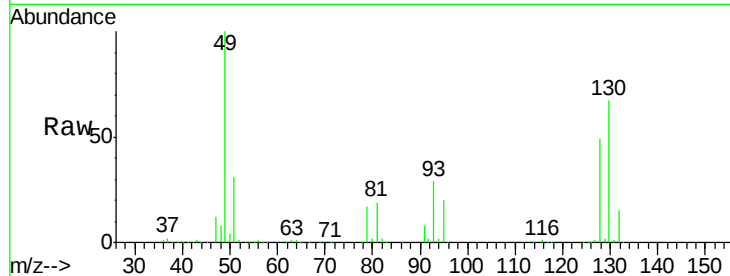
ClientSampleId :

A-3DL

Tot Ion:	49	Resp:	919479
Ion Ratio	Lower	Upper	
49	100		
128	49.4	25.0	75.0
130	64.9	31.9	95.9

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#2

Dichlorodifluoromethane

Concen: 0.148 ppbv m

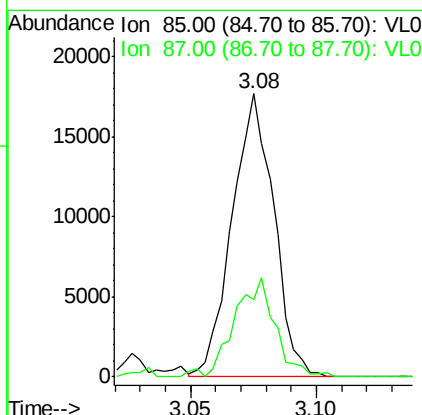
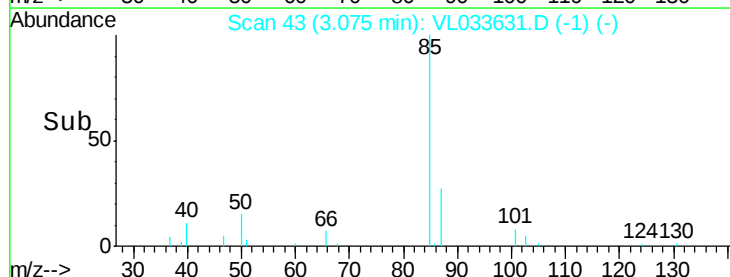
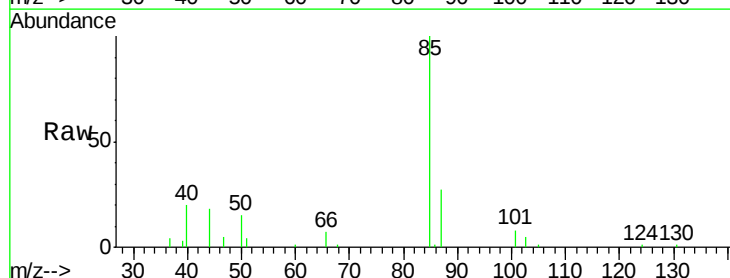
RT: 3.08 min Scan# 43

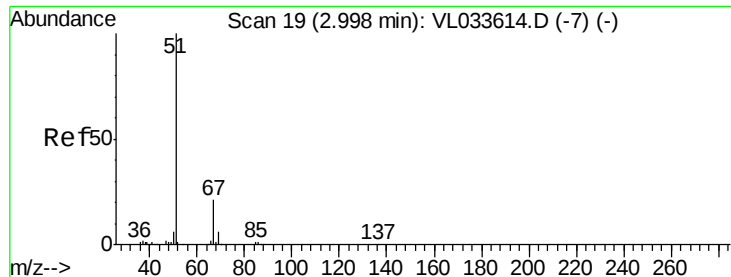
Delta R.T. 0.02 min

Lab File: VL033631.D

Acq: 2 May 2019 17:03

Tgt Ion:	85	Resp:	20455
Ion Ratio	Lower	Upper	
85	100		
87	27.2	26.8	40.2





#3

Chlorodifluoromethane

Concen: 0.705 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.01 min

Lab File: VL033631.D

Acq: 2 May 2019 17:03

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

Tot Ion: 51 Resp: 77533

Ion Ratio Lower Upper

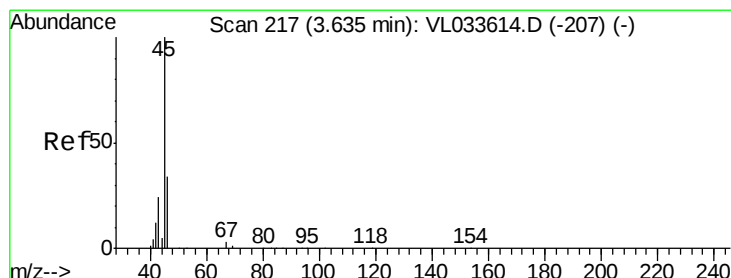
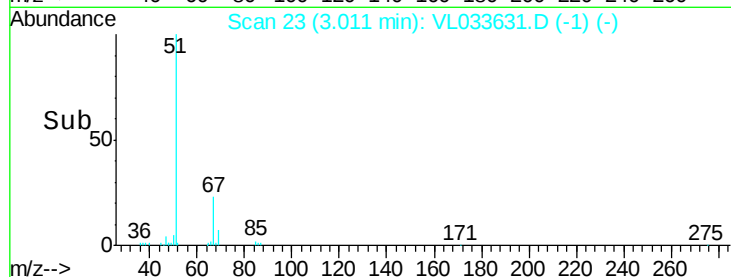
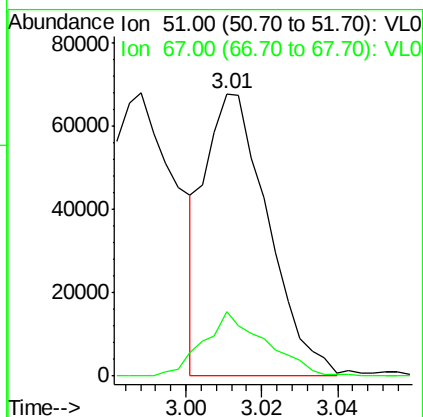
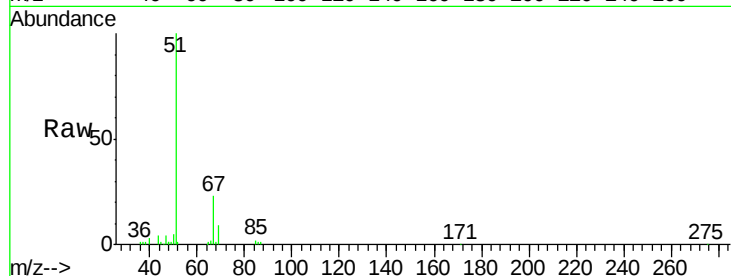
51 100

67 22.6 15.6 23.4

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#13

Ethanol

Concen: 10.976 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.02 min

Lab File: VL033631.D

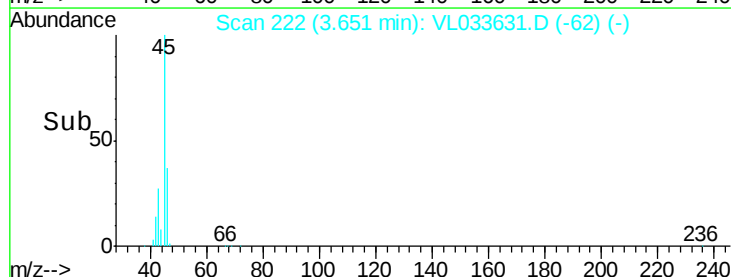
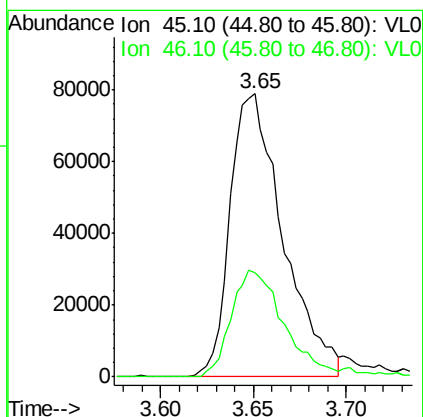
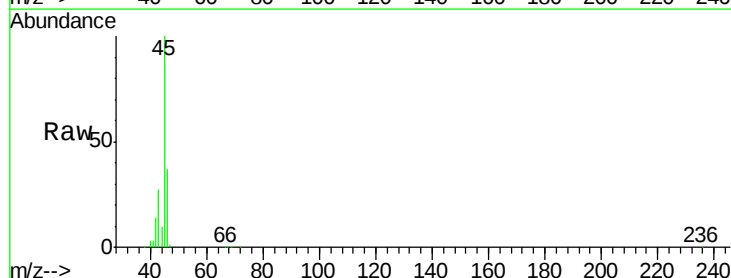
Acq: 2 May 2019 17:03

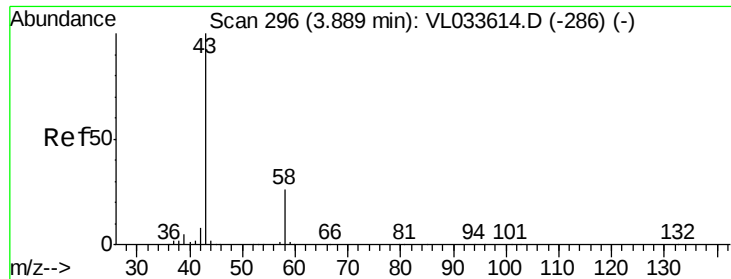
Tgt Ion: 45 Resp: 156660

Ion Ratio Lower Upper

45 100

46 39.4 14.6 58.2





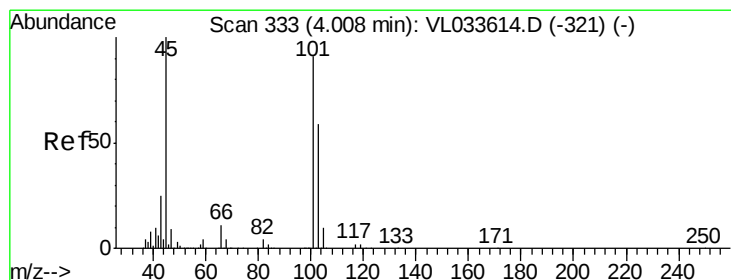
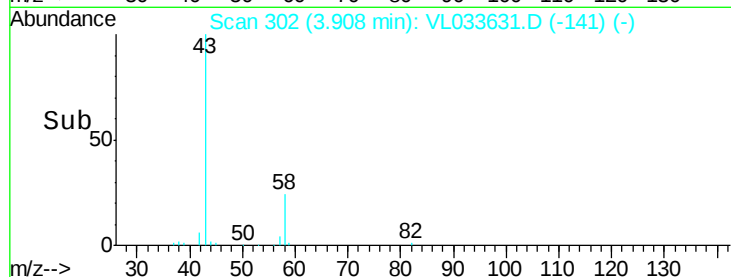
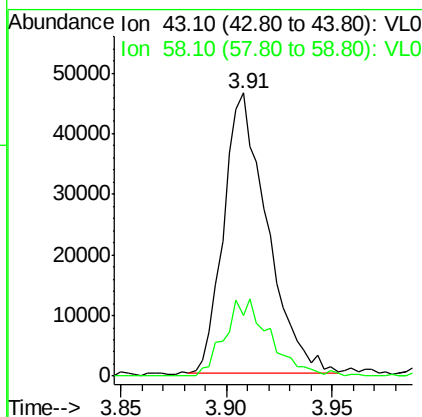
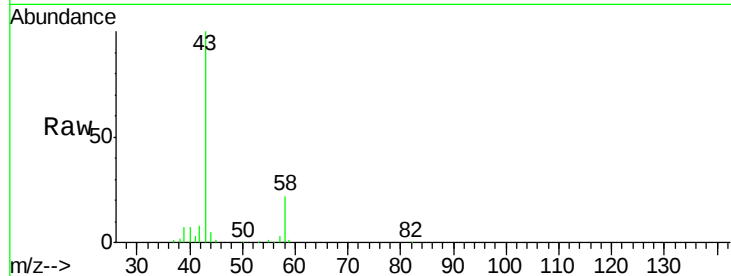
#15
Acetone
Concen: 0.591 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.02 min
Lab File: VL033631.D
Acq: 2 May 2019 17:03

Instrument :
MSVOA_L
ClientSampled :
A-3DL

Tot Ion: 43 Resp: 66181
Ion Ratio Lower Upper
43 100
58 28.7 21.2 31.8

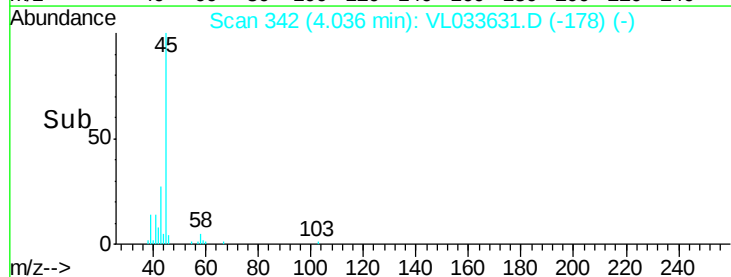
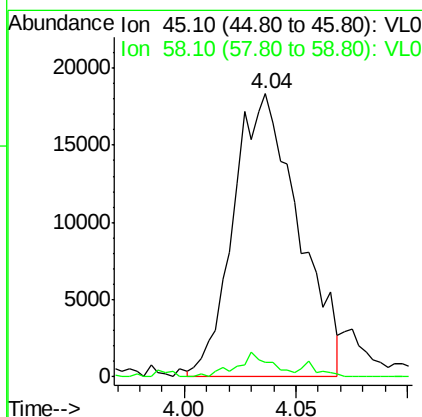
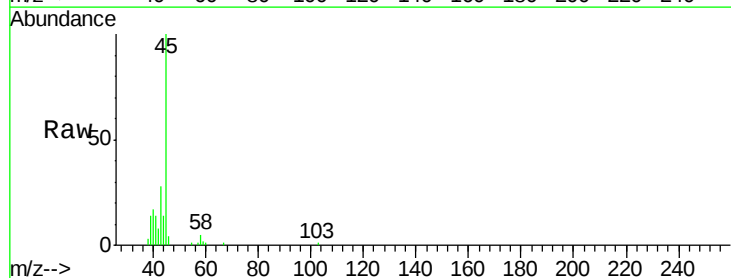
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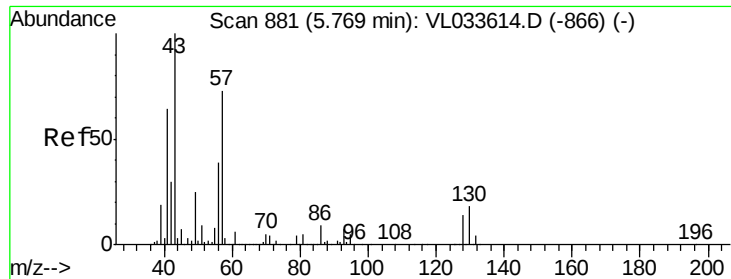
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#19
Isopropyl Alcohol
Concen: 0.485 ppbv m
RT: 4.04 min Scan# 342
Delta R.T. 0.03 min
Lab File: VL033631.D
Acq: 2 May 2019 17:03

Tgt Ion: 45 Resp: 37281
Ion Ratio Lower Upper
45 100
58 5.8 1.8 2.6#





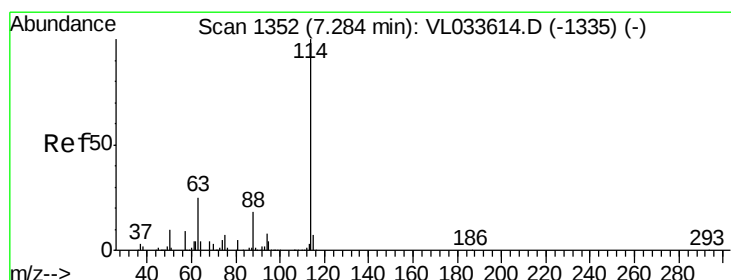
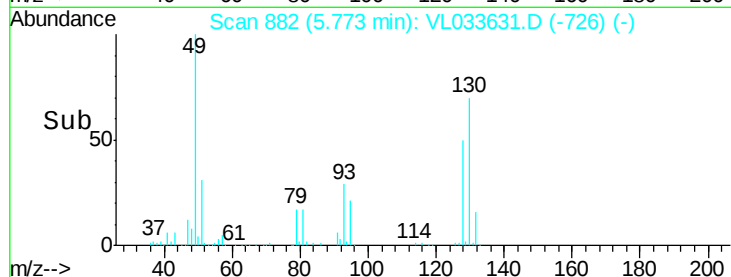
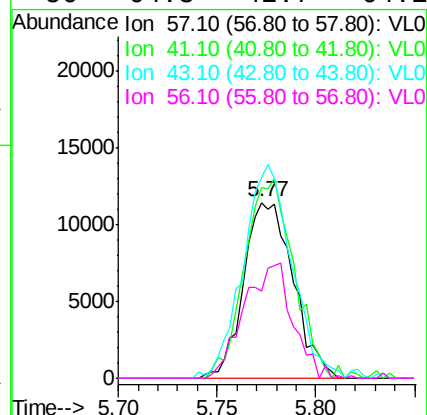
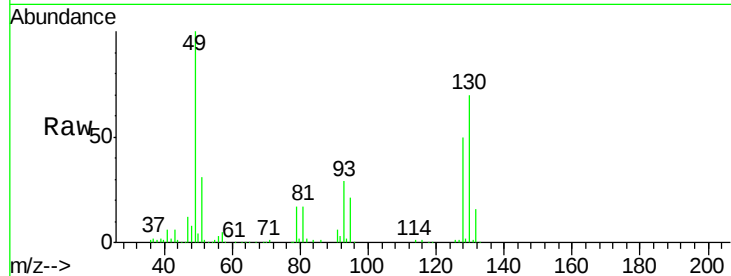
#26
Hexane
Concen: 0.221 ppbv m
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033631.D
Acq: 2 May 2019 17:03

Instrument :
MSVOA_L
ClientSampled :
A-3DL

Tot Ion	Ion	Ratio	Lower	Upper
57	100			
41	114.7	70.6	106.0#	
43	121.7	186.0	279.0#	
56	64.3	42.7	64.1#	

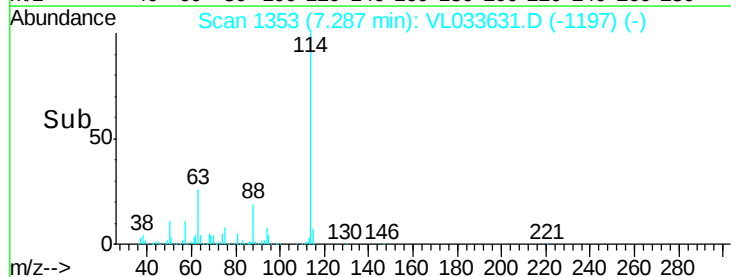
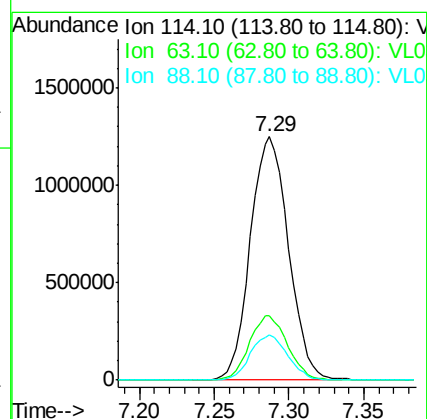
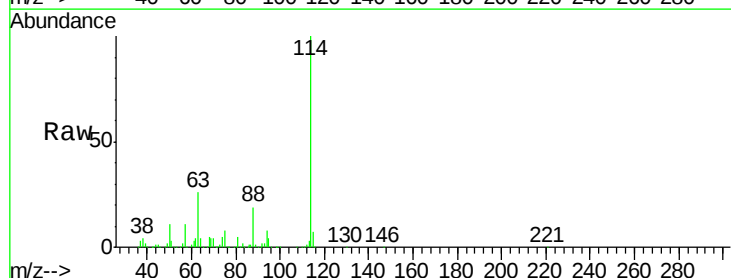
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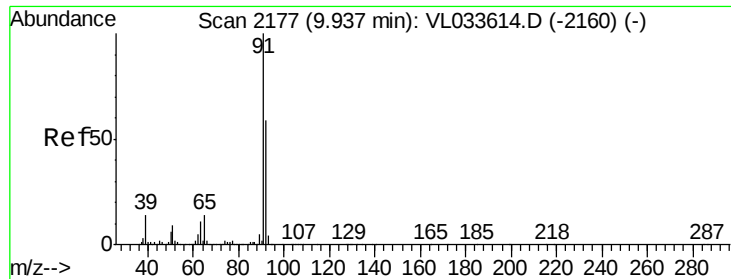
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL033631.D
Acq: 2 May 2019 17:03

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	26.5	21.1	31.7	
88	18.2	14.2	21.4	





#53

Toluene

Concen: 0.617 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033631.D

Acq: 2 May 2019 17:03

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

Tot Ion: 91 Resp: 147164

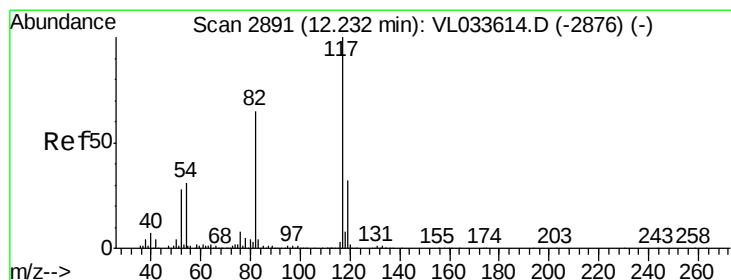
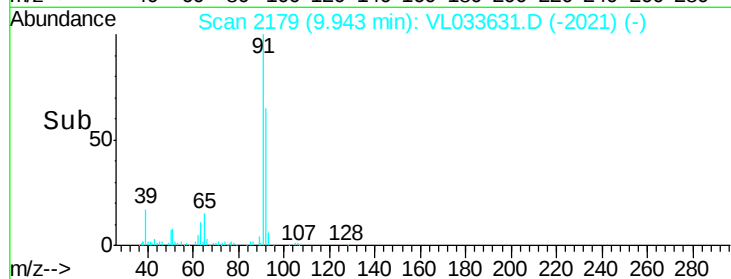
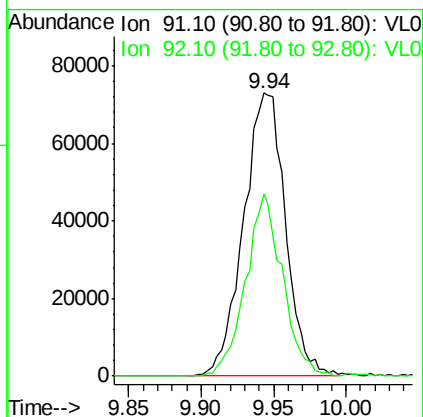
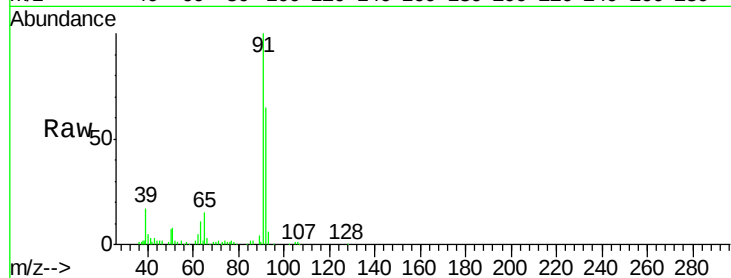
Ion Ratio Lower Upper

91 100

92 57.0 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: VL033631.D

Acq: 2 May 2019 17:03

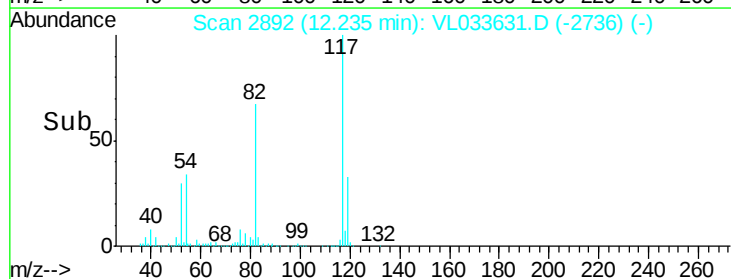
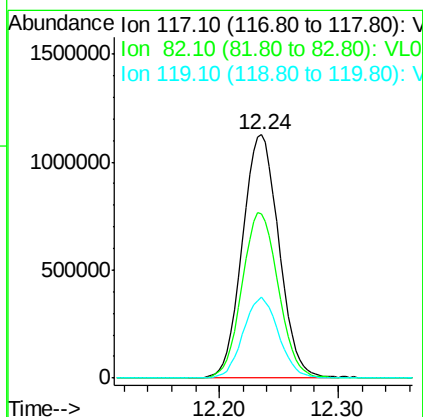
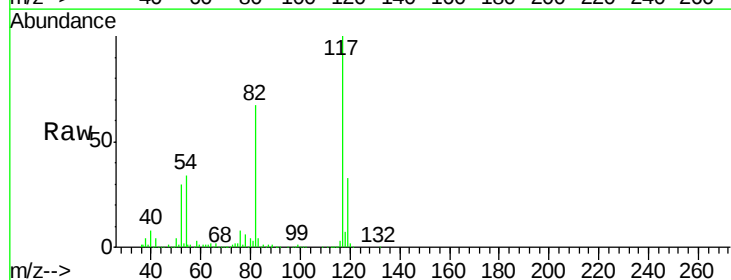
Tgt Ion: 117 Resp: 2395481

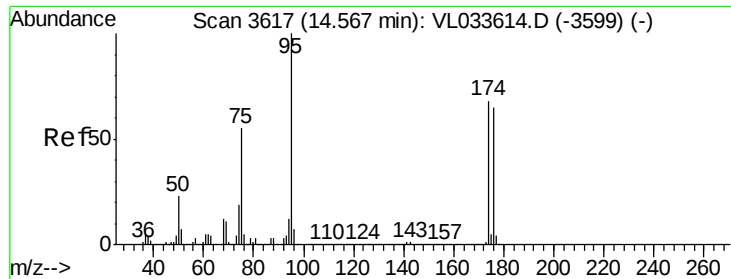
Ion Ratio Lower Upper

117 100

82 68.3 52.6 78.8

119 32.4 28.3 42.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.709 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL033631.D
 Acq: 2 May 2019 17:03

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.9	80.9
175	4.7	4.0	6.0

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