

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033633.D
 Acq On : 2 May 2019 18:24
 Operator : SY/AP
 Sample : K2628-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-4DL

Manual Integrations
 APPROVED

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 5/4/2019 7:18:41 AM

Quant Time: May 03 04:27:46 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 04:27:46 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	968685	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2307039	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2572012	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2101105	10.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	13800	0.095	ppbv	98
13) Ethanol	3.66	45	76064m	5.059	ppbv	
15) Acetone	3.91	43	68286	0.579	ppbv	99
20) Methylene Chloride	4.41	84	10809m	0.235	ppbv	
53) Toluene	9.94	91	101728	0.410	ppbv	94

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

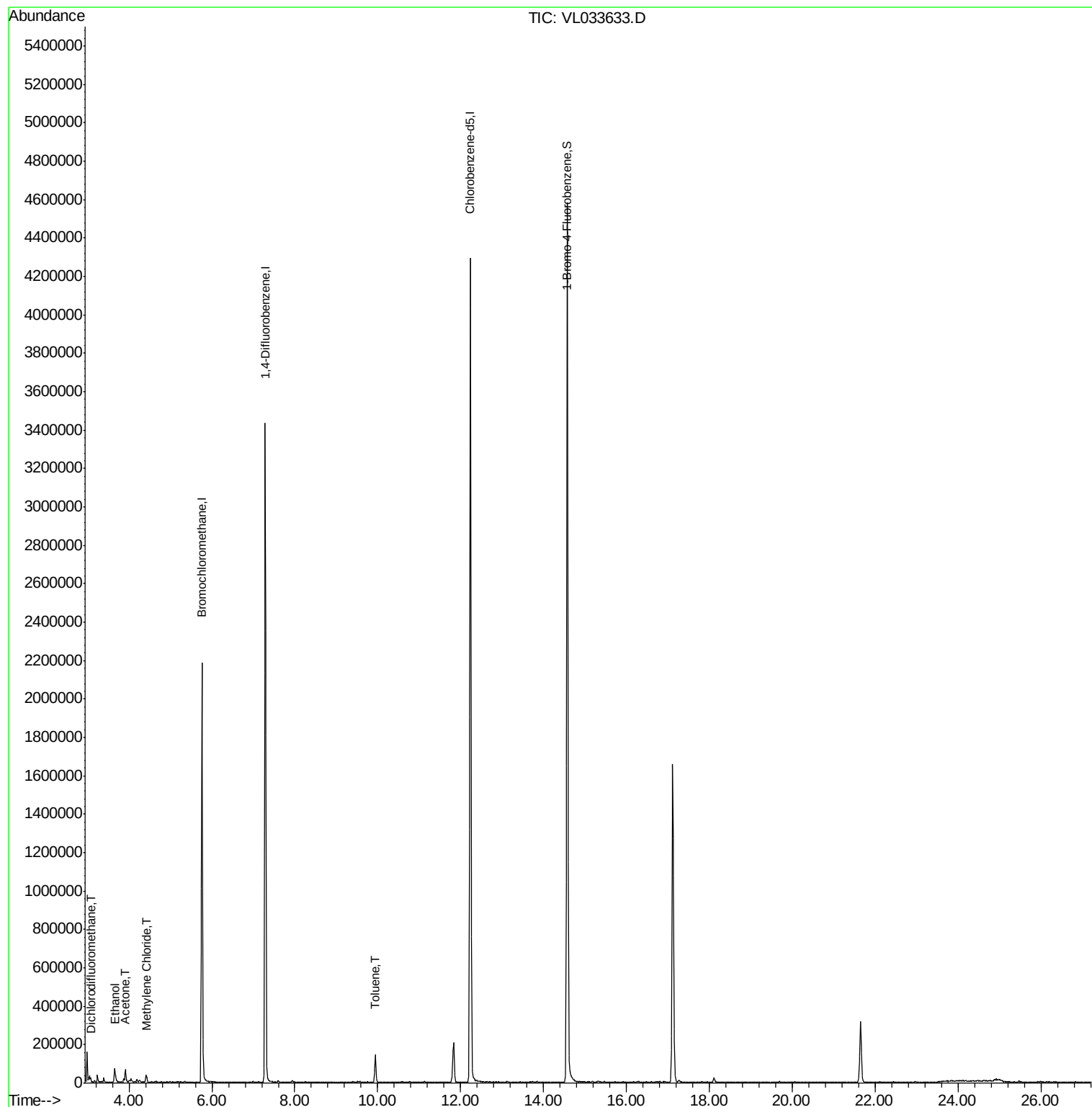
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050219\
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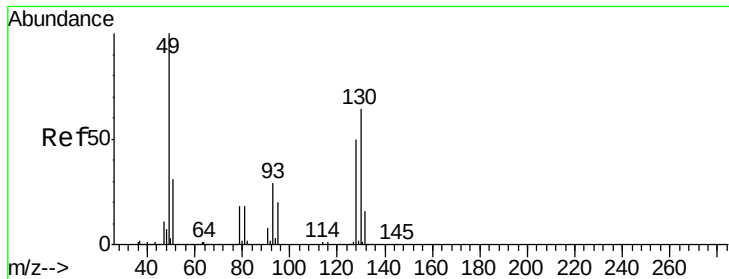
Instrument :
MSVOA_L
ClientSampleId :
A-4DL

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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: VL033633.D

Acq: 2 May 2019 18:24

Instrument :

MSVOA_L

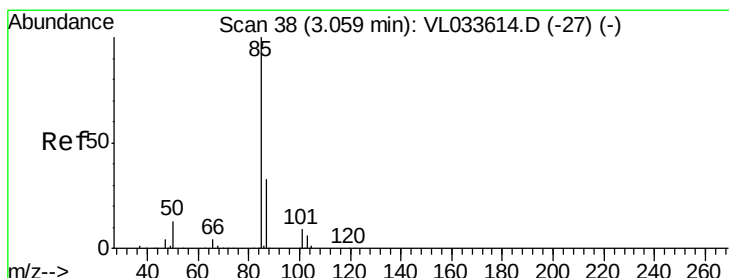
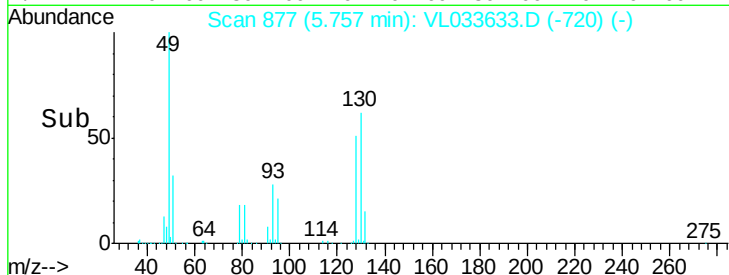
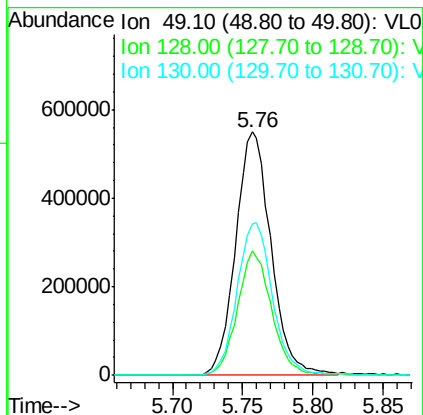
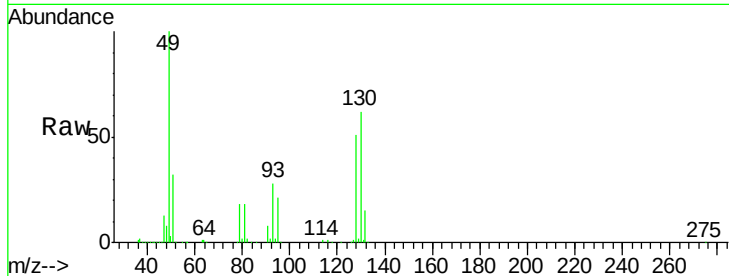
ClientSampleId :

A-4DL

Tot Ion:	49	Resp:	968685
Ion Ratio	Lower	Upper	
49	100		
128	49.7	25.0	75.0
130	63.5	31.9	95.9

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#2

Dichlorodifluoromethane

Concen: 0.095 ppbv

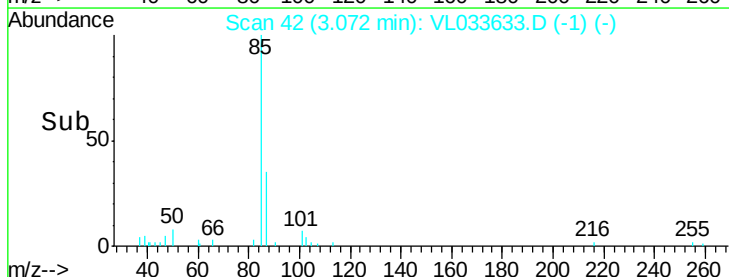
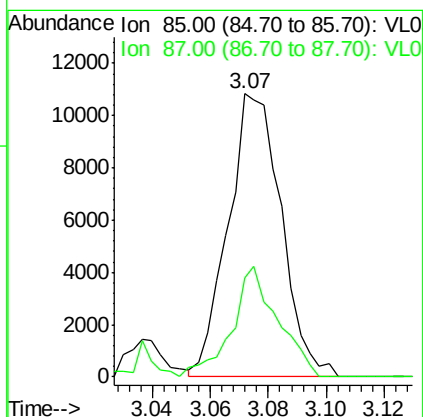
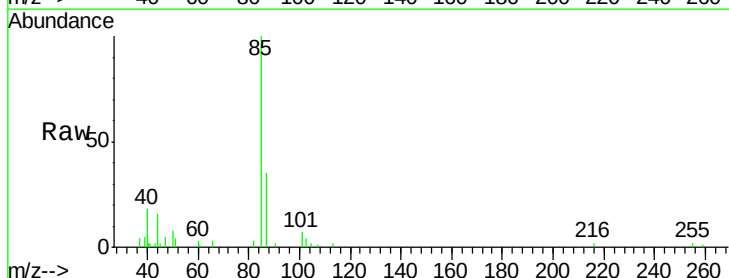
RT: 3.07 min Scan# 42

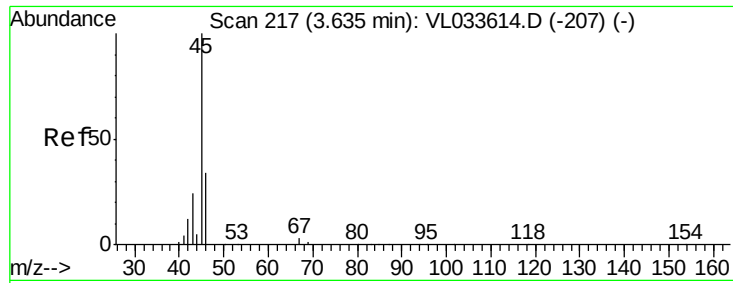
Delta R.T. 0.01 min

Lab File: VL033633.D

Acq: 2 May 2019 18:24

Tgt Ion:	85	Resp:	13800
Ion Ratio	Lower	Upper	
85	100		
87	34.8	26.8	40.2





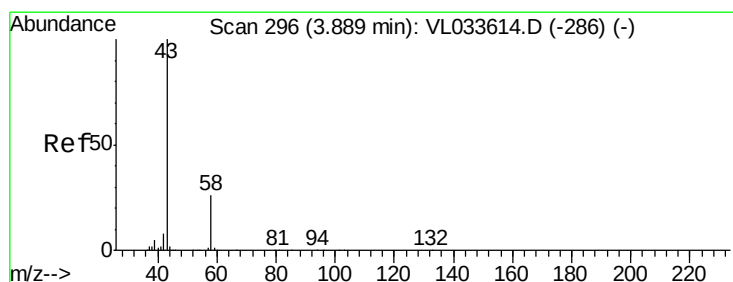
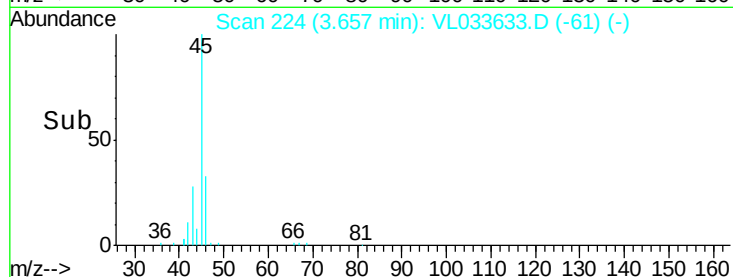
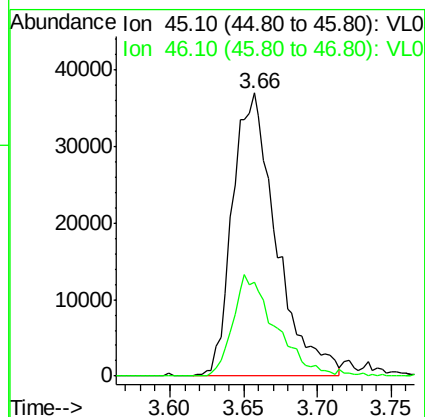
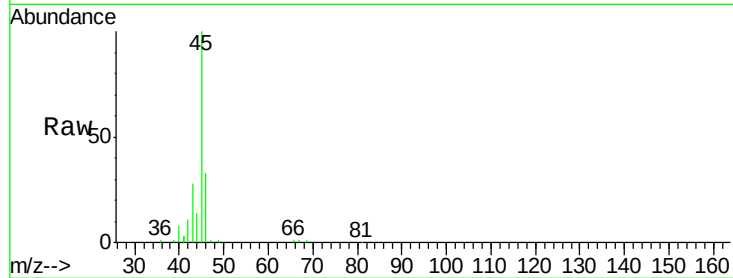
#13
Ethanol
Concen: 5.059 ppbv m
RT: 3.66 min Scan# 224
Delta R.T. 0.02 min
Lab File: VL033633.D
Acq: 2 May 2019 18:24

Instrument :
MSVOA_L
ClientSampleId :
A-4DL

Tot Ion: 45 Resp: 76064
Ion Ratio Lower Upper
45 100
46 35.2 14.6 58.2

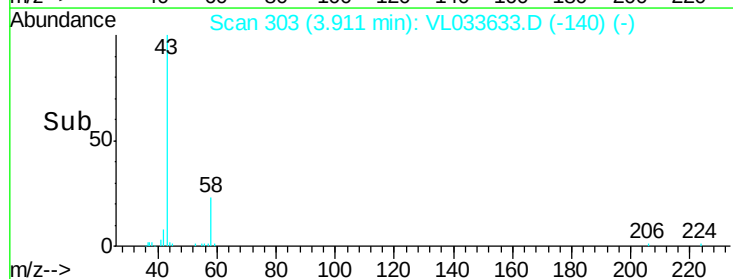
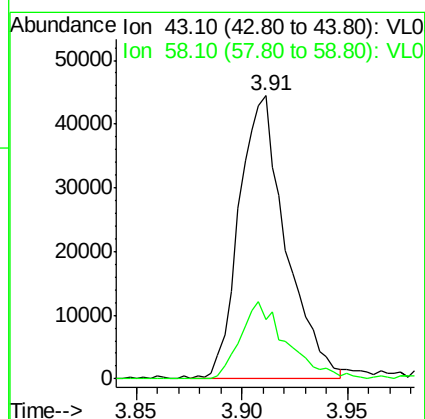
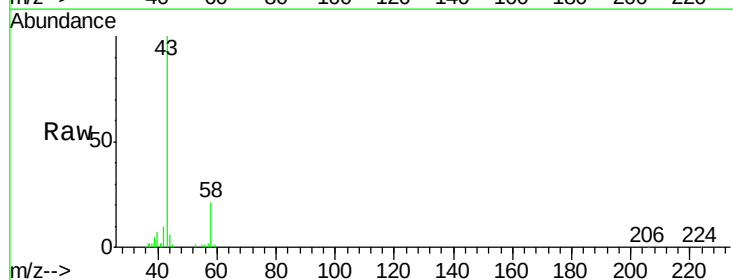
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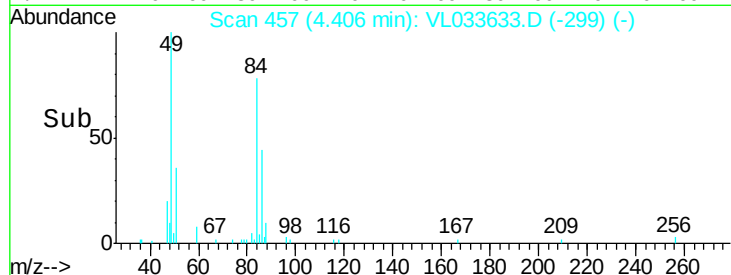
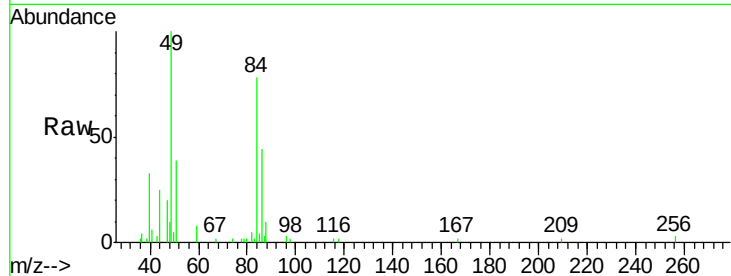
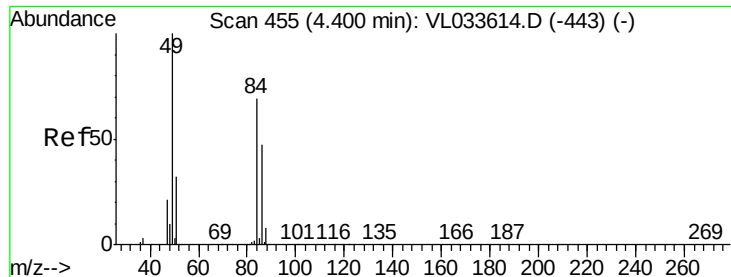
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#15
Acetone
Concen: 0.579 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.02 min
Lab File: VL033633.D
Acq: 2 May 2019 18:24

Tgt Ion: 43 Resp: 68286
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8





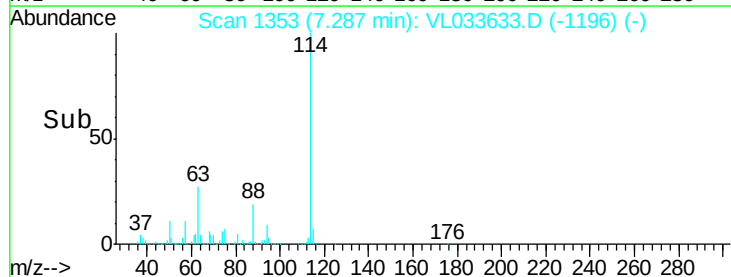
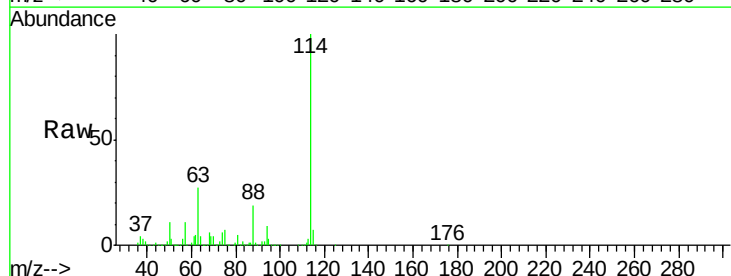
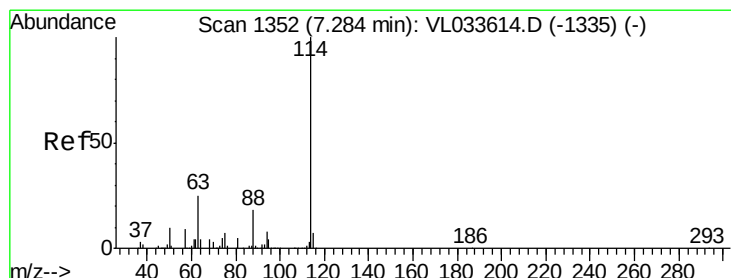
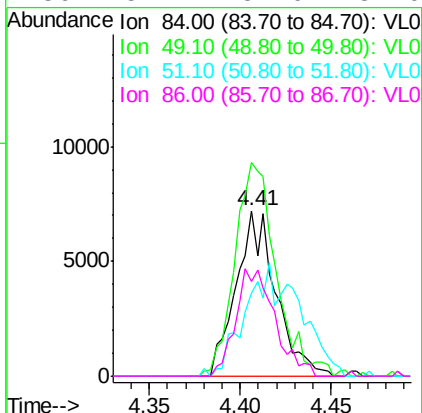
#20
Methylene Chloride
Concen: 0.235 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.01 min
Lab File: VL033633.D
Acq: 2 May 2019 18:24

Tot Ion:	84	Resp:	10809
Ion	Ratio	Lower	Upper
84	100		
49	128.9	116.2	174.2
51	50.2	37.0	55.6
86	57.2	54.0	81.0

Instrument :
MSVOA_L
ClientSampleId :
A-4DL

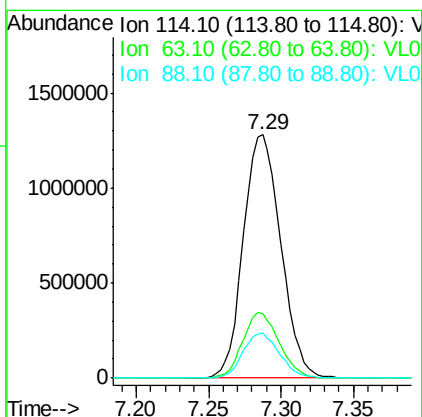
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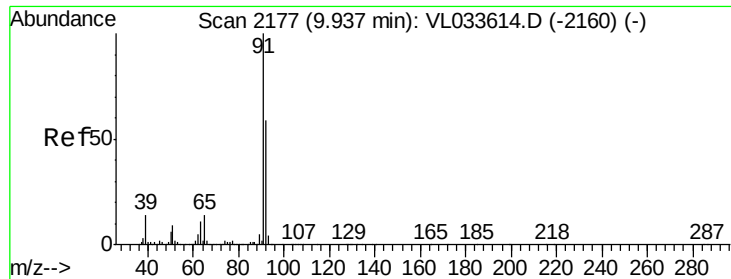
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL033633.D
Acq: 2 May 2019 18:24

Tgt Ion:	114	Resp:	2307039
Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	18.0	14.2	21.4





#53

Toluene

Concen: 0.410 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033633.D

Acq: 2 May 2019 18:24

Instrument :

MSVOA_L

ClientSampled :

A-4DL

Tot Ion: 91 Resp: 101728

Ion Ratio Lower Upper

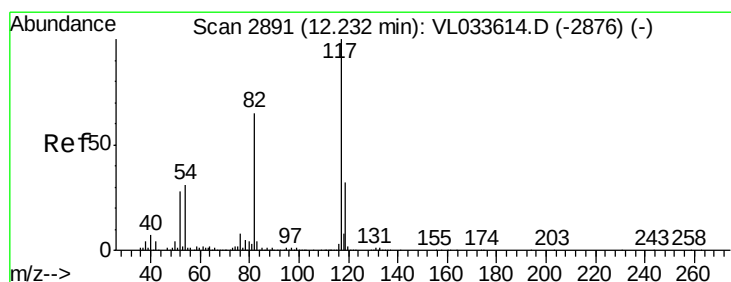
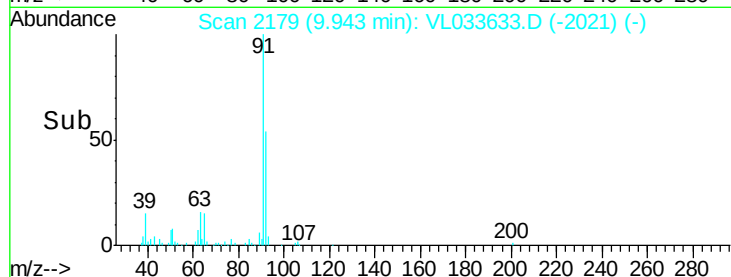
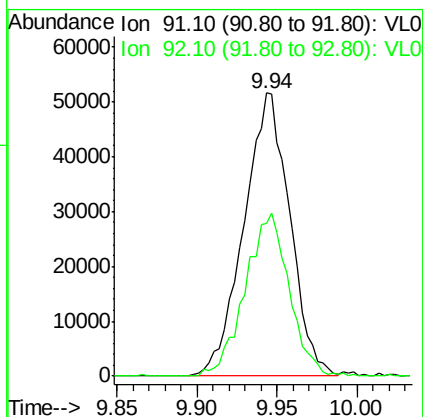
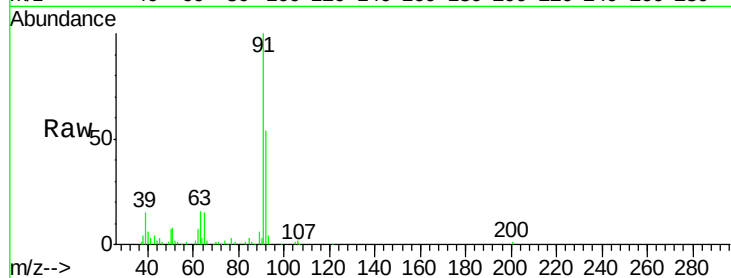
91 100

92 54.9 47.8 71.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL033633.D

Acq: 2 May 2019 18:24

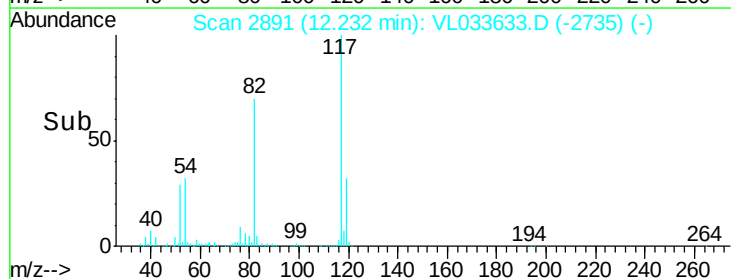
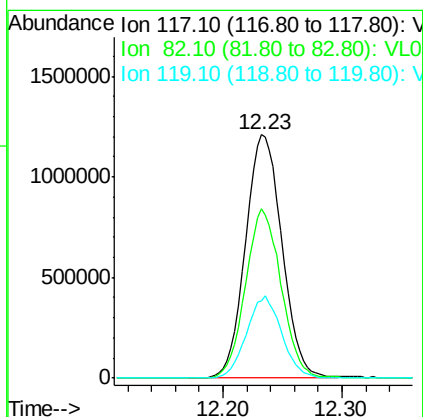
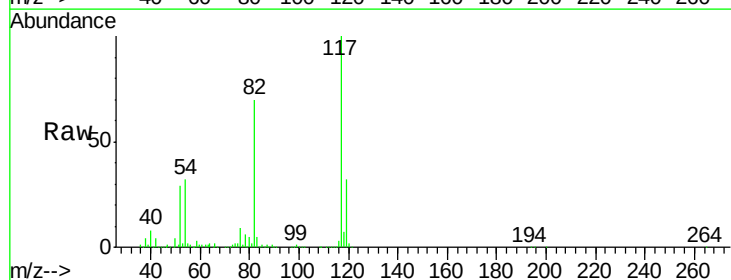
Tgt Ion: 117 Resp: 2572012

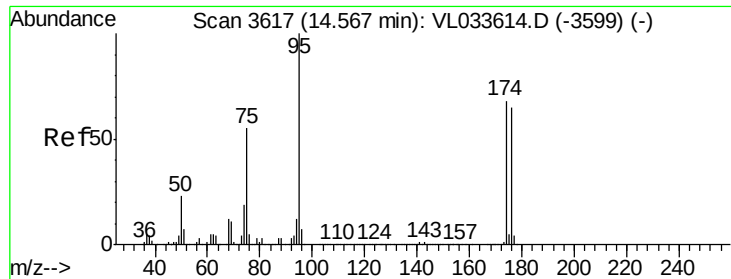
Ion Ratio Lower Upper

117 100

82 68.4 52.6 78.8

119 32.5 28.3 42.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.730 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL033633.D
 Acq: 2 May 2019 18:24

Instrument :
 MSVOA_L
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 A-4DL

Tot Ion: 95 Resp: 2101105
 Ion Ratio Lower Upper
 95 100
 174 66.8 53.9 80.9
 175 4.7 4.0 6.0

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