

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033451.D
 Acq On : 26 Mar 2019 00:45
 Operator : SY/AP
 Sample : K1991-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

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 4/1/2019 1:23:08 AM

Quant Time: Mar 26 07:09:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 26 07:09:21 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	754808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1772900	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1753137	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1366809	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	73836	8.575	ppbv	65
15) Acetone	3.90	43	150134	1.654	ppbv #	86
19) Isopropyl Alcohol	4.05	45	25738	0.448	ppbv #	96
25) Ethyl Acetate	5.78	43	49766	0.296	ppbv #	97
26) Hexane	5.78	57	30605m	0.409	ppbv	
53) Toluene	9.95	91	166363	0.962	ppbv	100

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

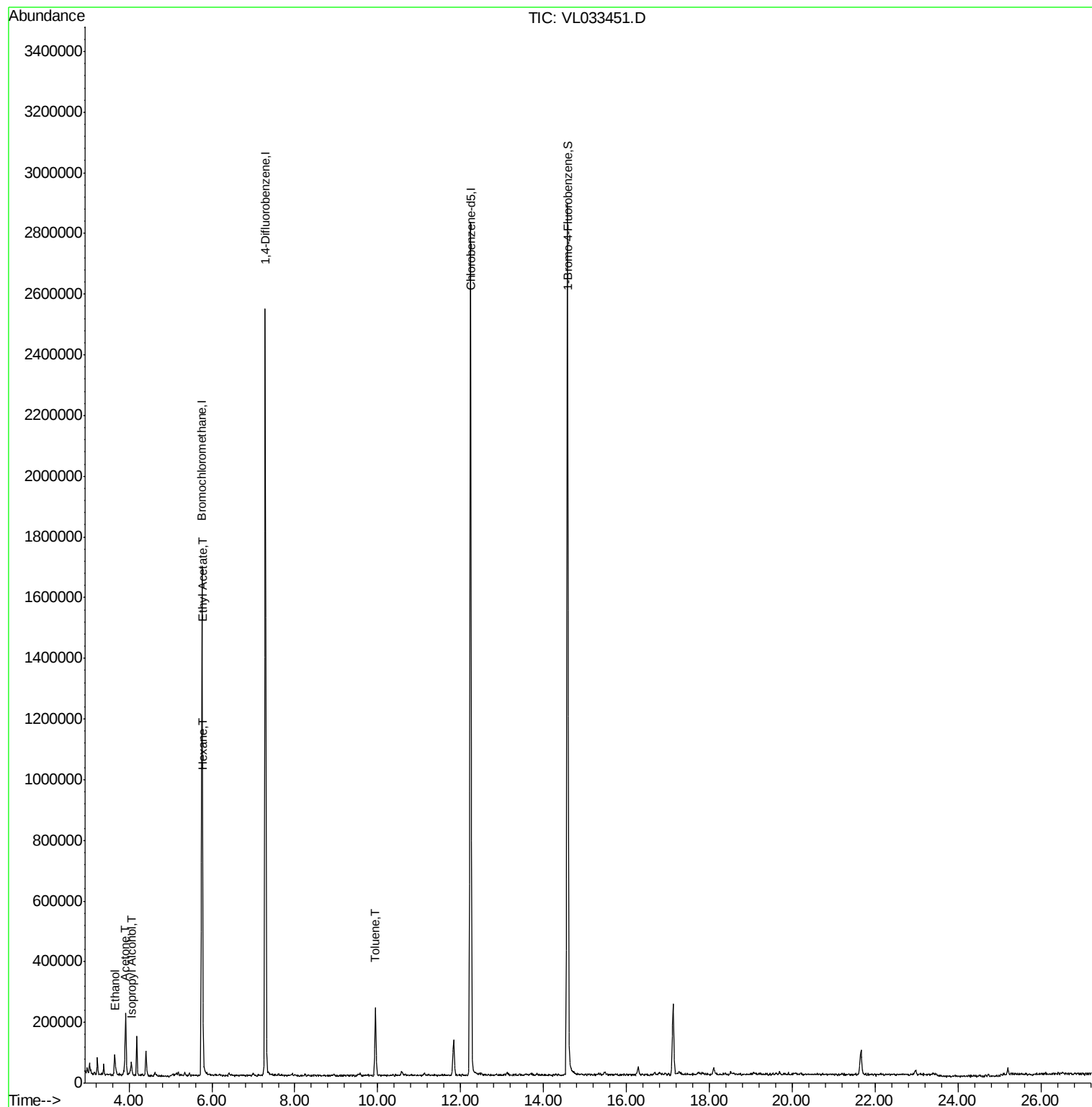
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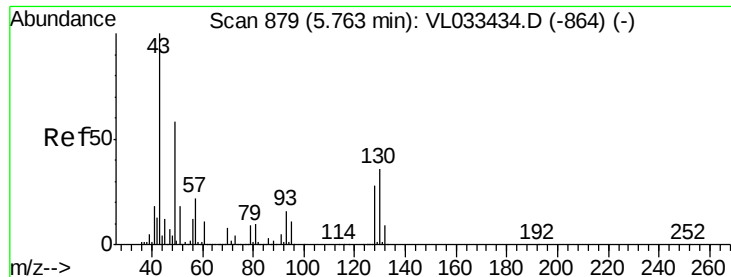
Instrument :
MSVOA_L
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QLast Update : Mon Mar 25 16:04:49 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033451.D

Acq: 26 Mar 2019 00:45

Instrument :

MSVOA_L

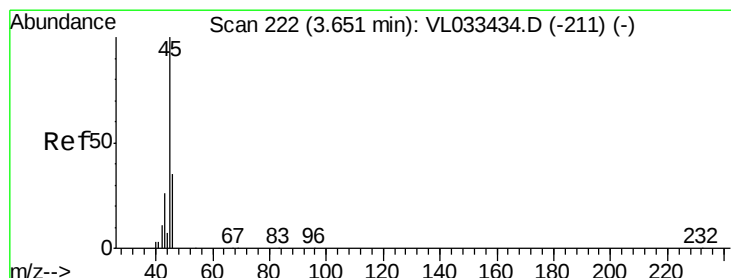
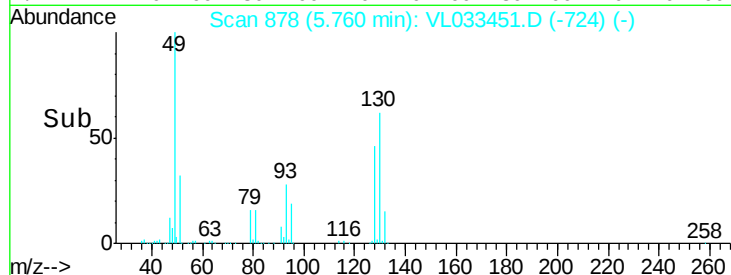
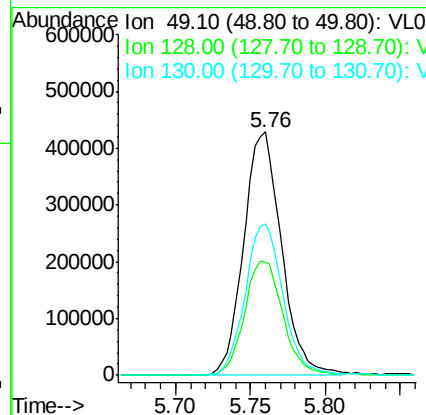
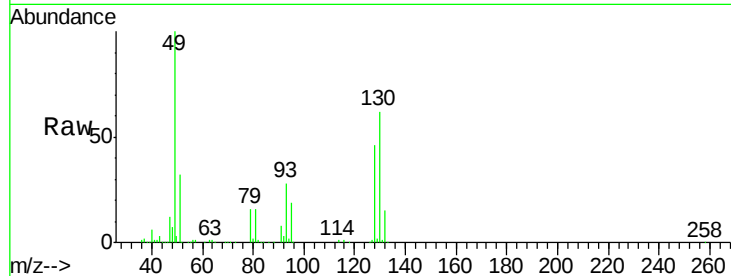
ClientSampled :

IA-1DL

Tot Ion:	49	Resp:	754808
Ion	Ratio	Lower	Upper
49	100		
128	48.3	24.0	72.0
130	62.9	31.2	93.6

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#13

Ethanol

Concen: 8.575 ppbv

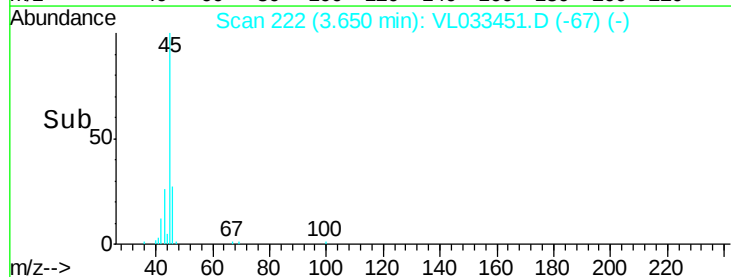
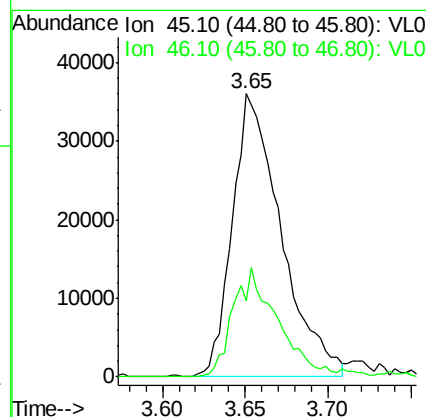
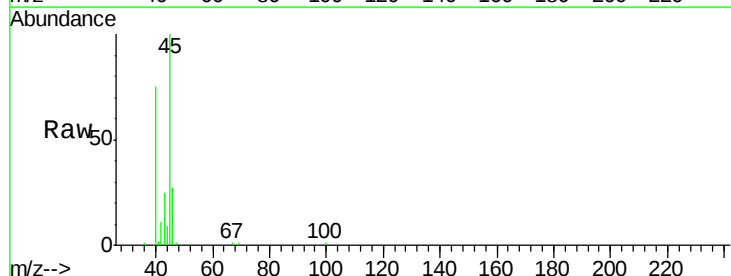
RT: 3.65 min Scan# 222

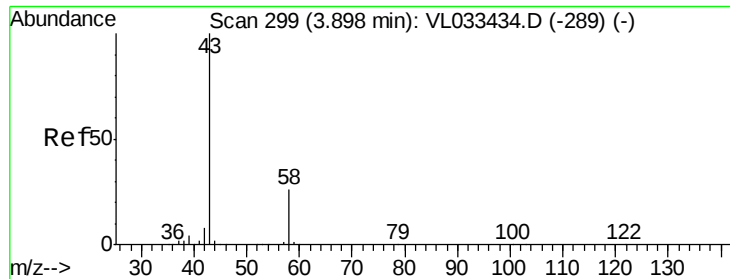
Delta R.T. -0.00 min

Lab File: VL033451.D

Acq: 26 Mar 2019 00:45

Tgt Ion:	45	Resp:	73836
Ion	Ratio	Lower	Upper
45	100		
46	36.0	25.4	101.8





#15

Acetone

Concen: 1.654 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033451.D

Acq: 26 Mar 2019 00:45

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion: 43 Resp: 150134

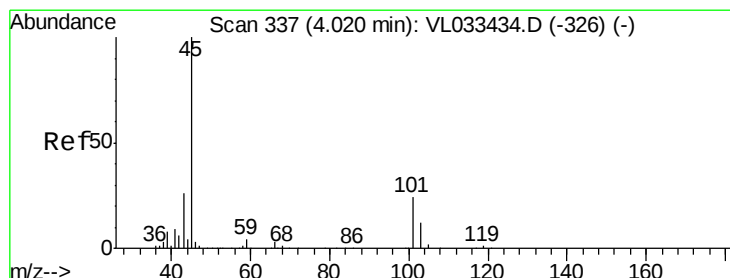
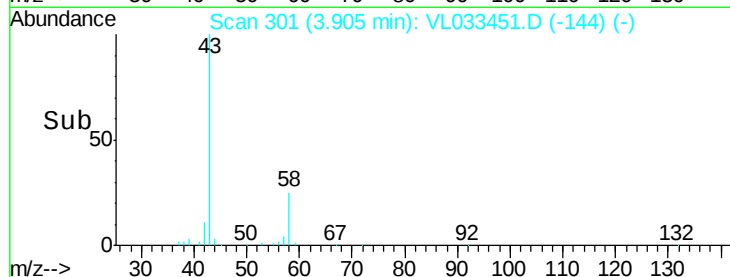
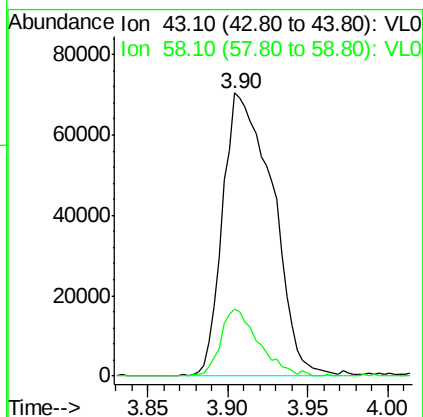
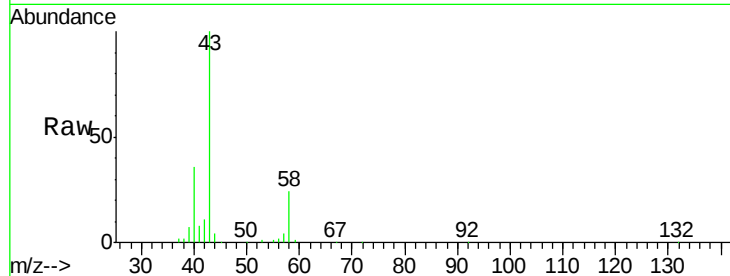
Ion Ratio Lower Upper

43 100

58 18.3 20.5 30.7#

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#19

Isopropyl Alcohol

Concen: 0.448 ppbv

RT: 4.05 min Scan# 345

Delta R.T. 0.03 min

Lab File: VL033451.D

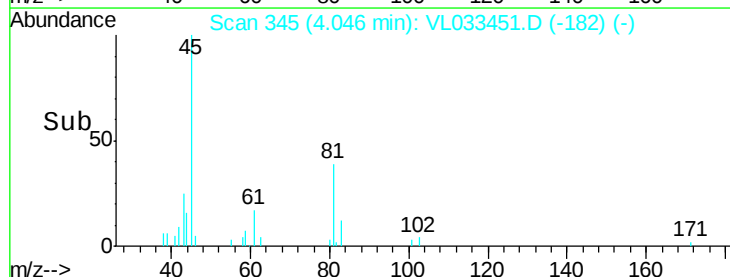
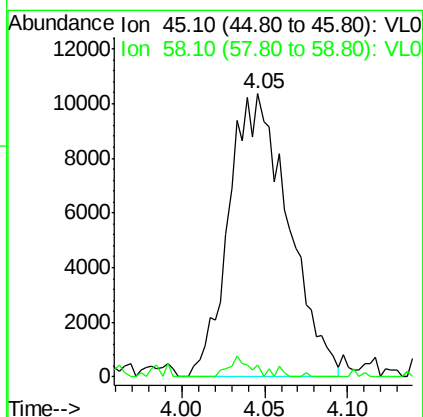
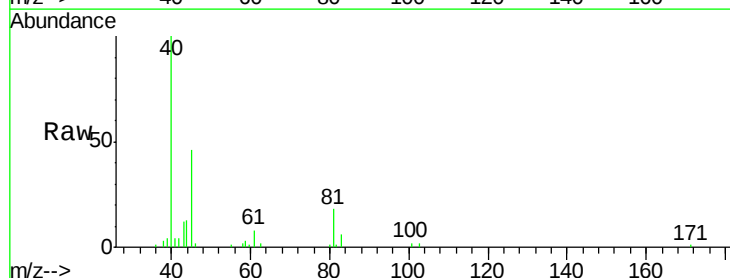
Acq: 26 Mar 2019 00:45

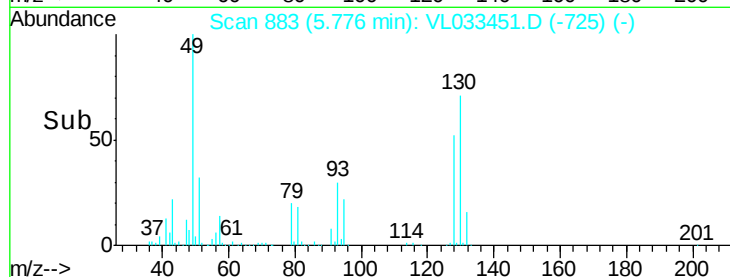
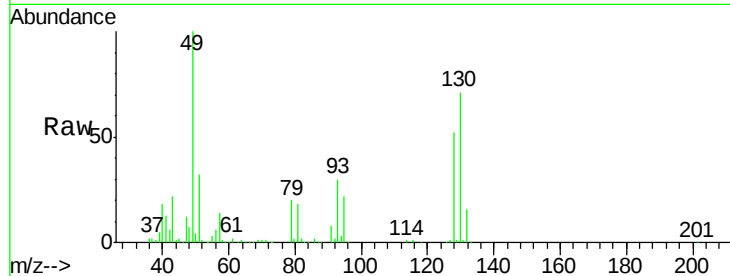
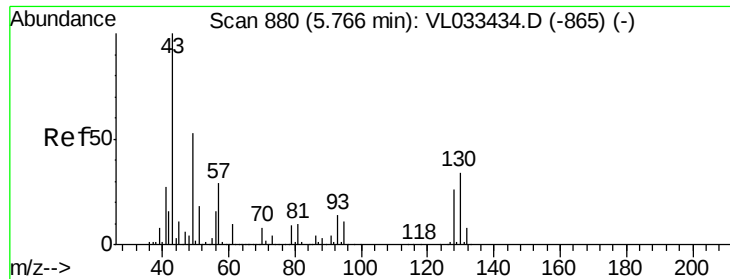
Tgt Ion: 45 Resp: 25738

Ion Ratio Lower Upper

45 100

58 3.3 1.4 2.2#





#25

Ethyl Acetate

Concen: 0.296 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.01 min

Lab File: VL033451.D

Acq: 26 Mar 2019 00:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.8	7.8	11.6		
61	7.1	7.3	10.9		
70	6.3	5.6	8.4		

Instrument :

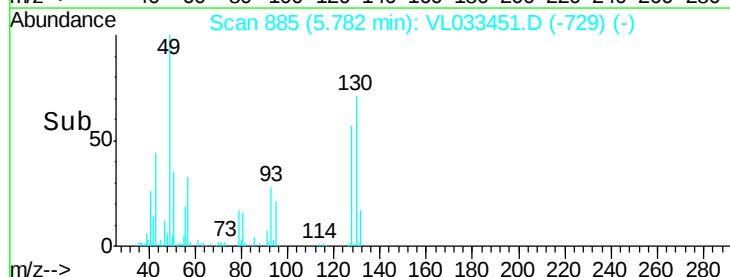
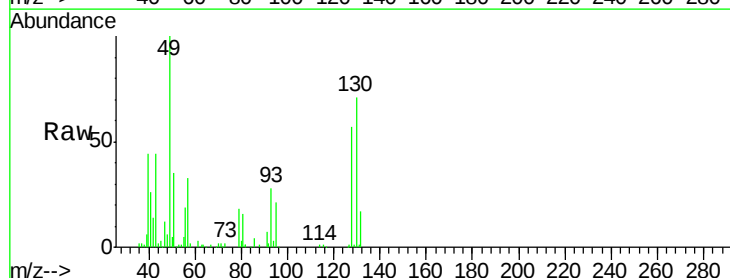
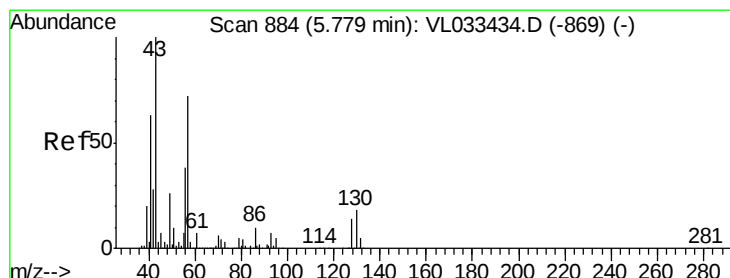
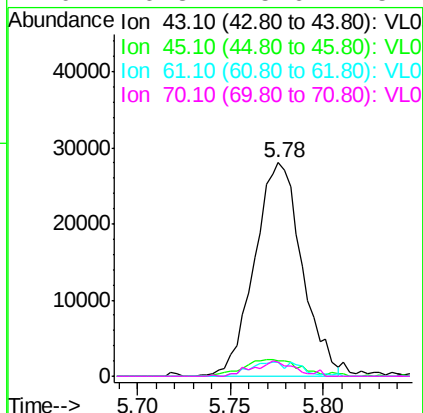
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#26

Hexane

Concen: 0.409 ppbv m

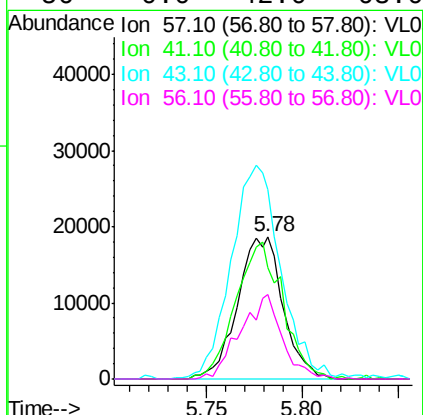
RT: 5.78 min Scan# 885

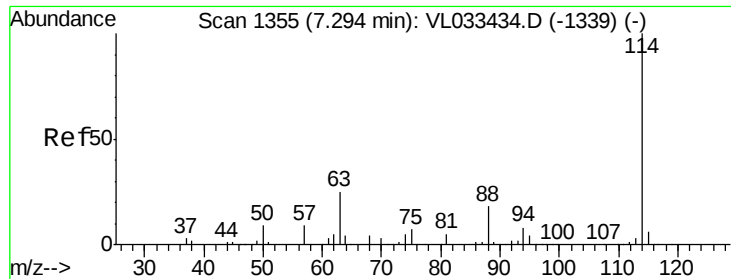
Delta R.T. 0.00 min

Lab File: VL033451.D

Acq: 26 Mar 2019 00:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	0.0	70.7	106.1		
43	168.6	182.6	274.0		
56	0.0	42.0	63.0		





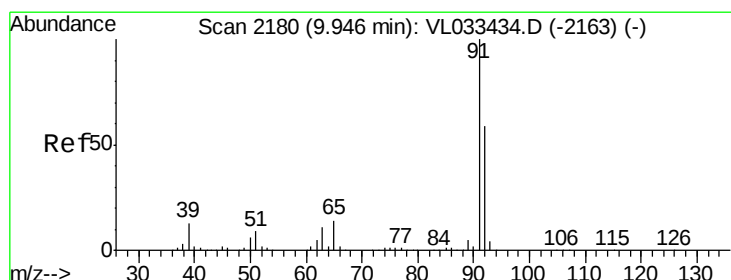
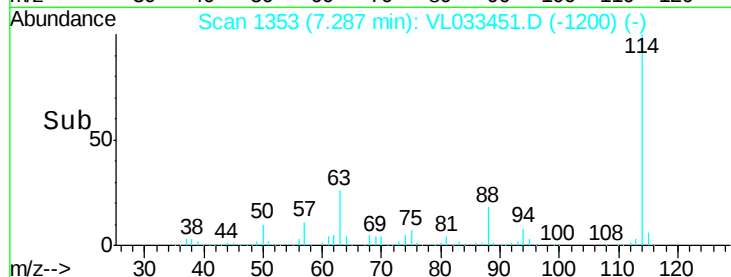
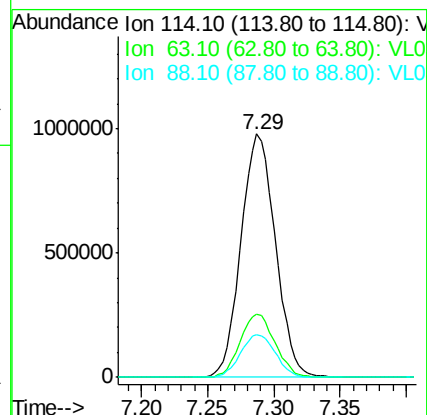
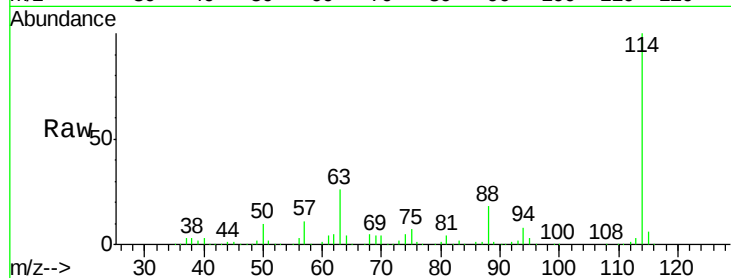
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033451.D
 Acq: 26 Mar 2019 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.5	32.3
88	18.0	14.5	21.7

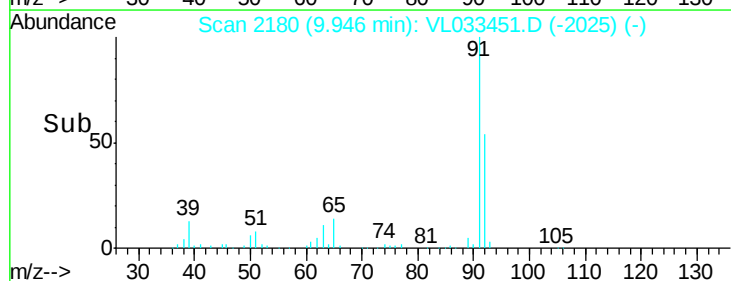
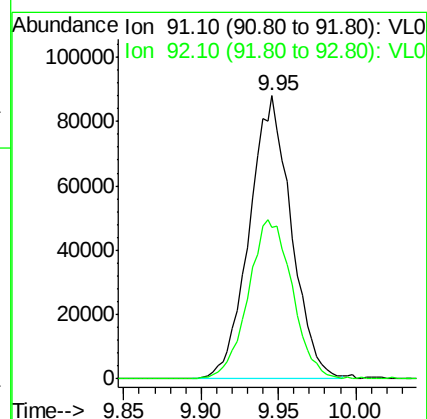
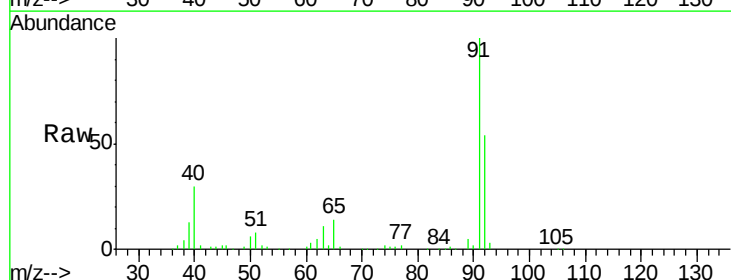
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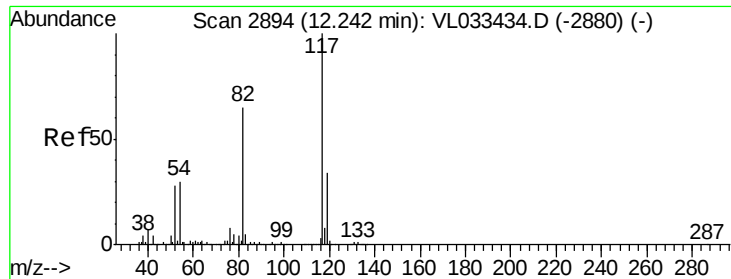
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#53
 Toluene
 Concen: 0.962 ppbv
 RT: 9.95 min Scan# 2180
 Delta R.T. -0.00 min
 Lab File: VL033451.D
 Acq: 26 Mar 2019 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.4	71.0





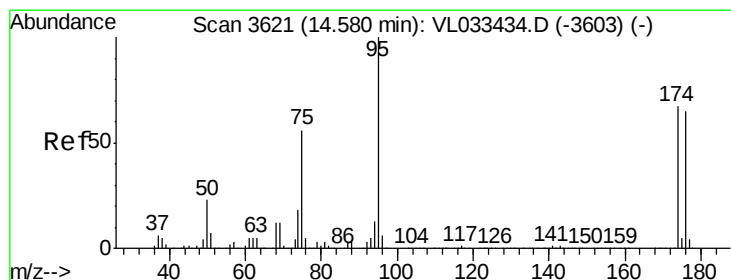
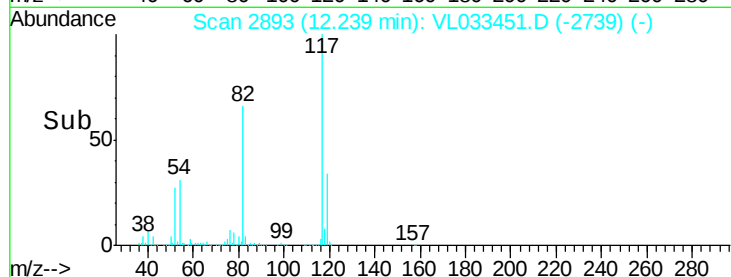
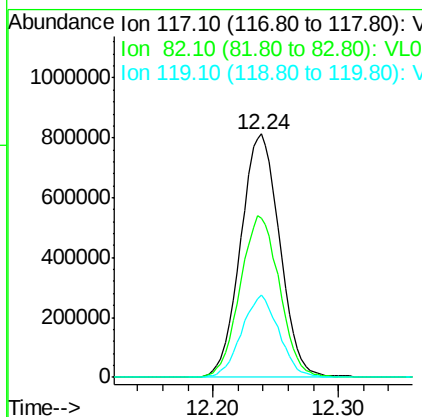
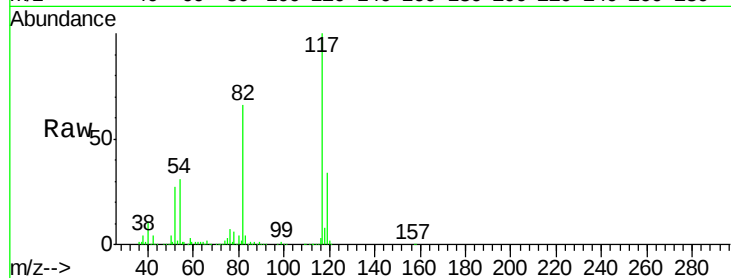
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033451.D
Acq: 26 Mar 2019 00:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.4	51.5	77.3
119	32.5	25.5	38.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.945 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033451.D
Acq: 26 Mar 2019 00:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.9	79.3
175	4.8	3.8	5.6

