

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\
 Data File : VL033576.D
 Acq On : 10 Apr 2019 22:56
 Operator : SY/AP
 Sample : K2312-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-6DL

Manual Integrations
 APPROVED

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 4/11/2019 1:01:49 PM

Quant Time: Apr 11 04:58:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	876330	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2022161	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2135284	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1698671	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.25	43	43626	0.385	ppbv	98
13) Ethanol	3.65	45	130005	11.858	ppbv	64
15) Acetone	3.91	43	63033	0.598	ppbv	93
19) Isopropyl Alcohol	4.04	45	63980	0.960	ppbv #	92
20) Methylene Chloride	4.41	84	37871m	0.847	ppbv	
26) Hexane	5.78	57	31010	0.357	ppbv #	45

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

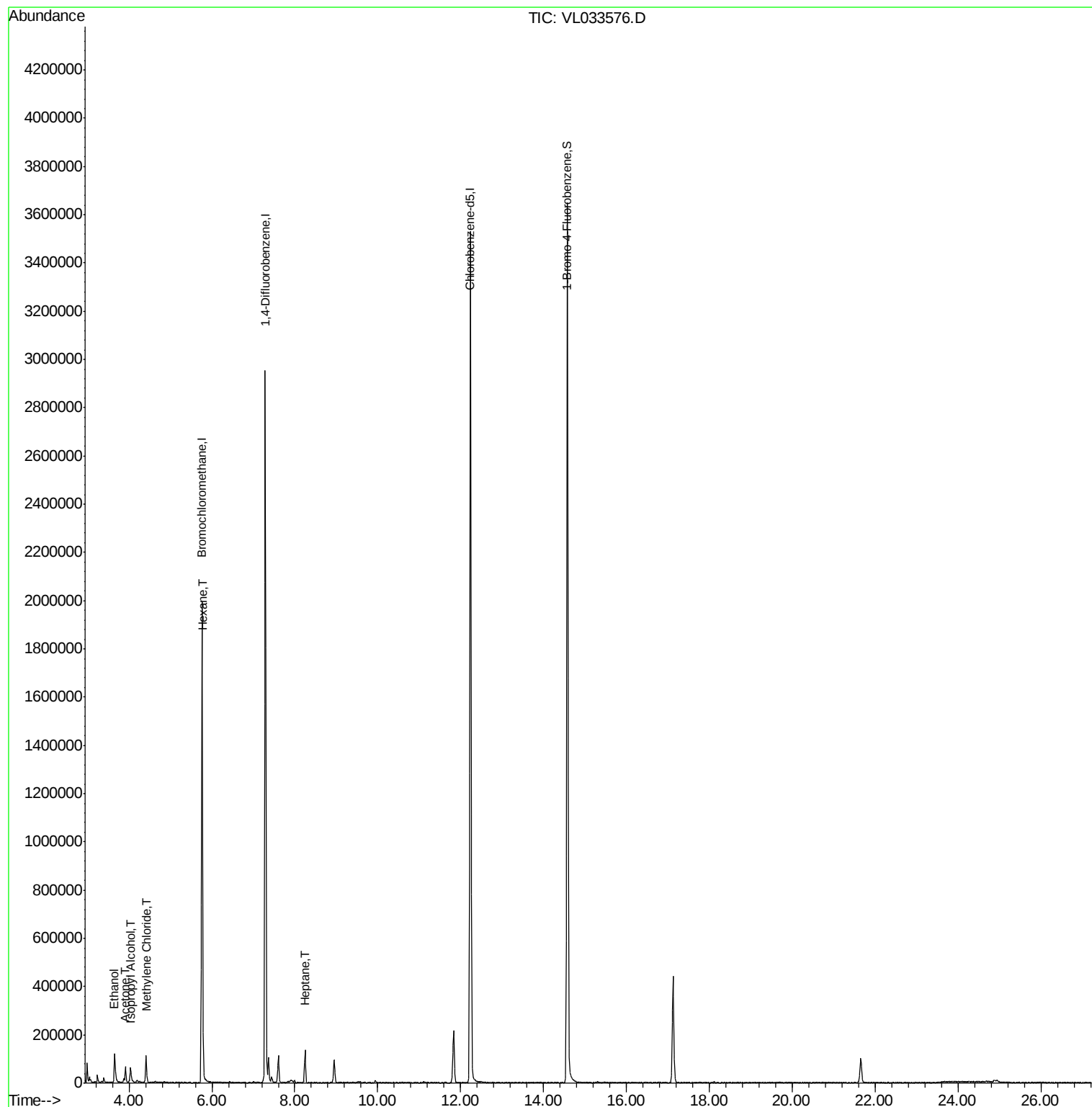
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033576.D

Acq: 10 Apr 2019 22:56

Instrument :

MSVOA_L

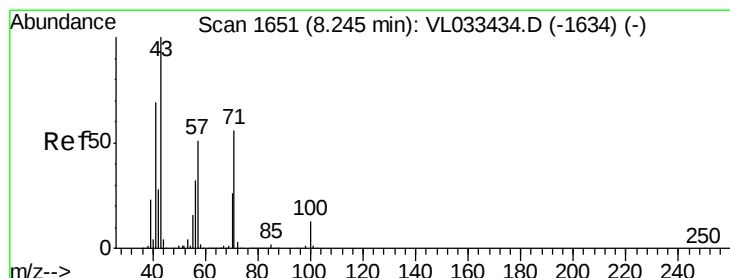
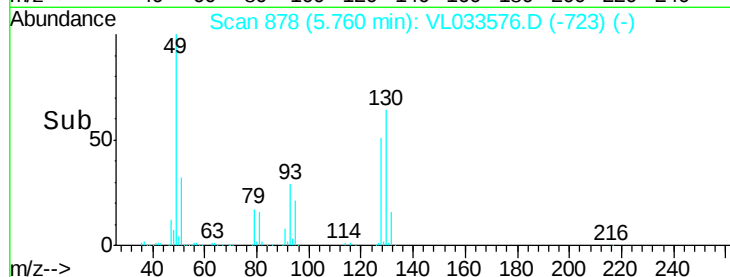
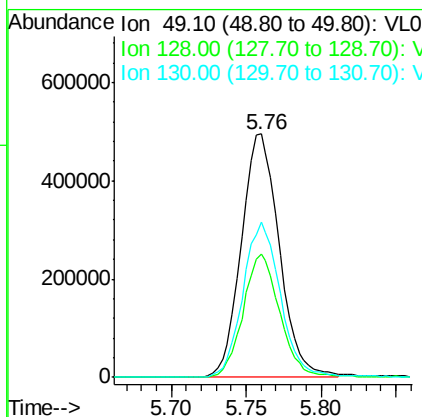
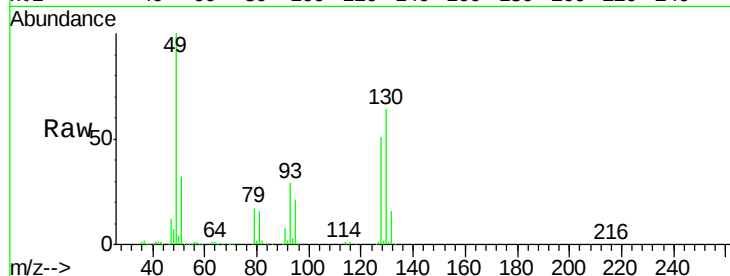
ClientSampled :

A-6DL

Tot Ion:	49	Resp:	876330
Ion Ratio	Lower	Upper	
49	100		
128	49.4	24.0	72.0
130	63.5	31.2	93.6

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#10

Heptane

Concen: 0.385 ppbv

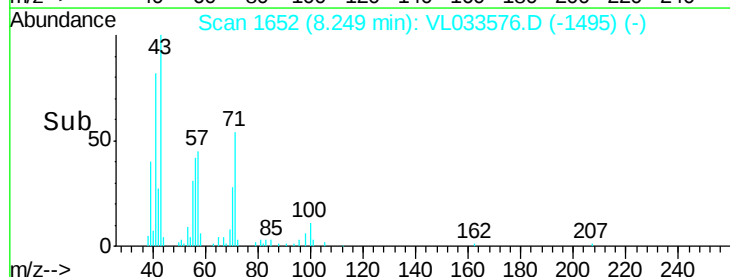
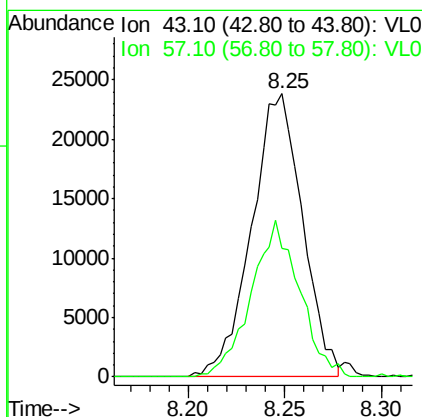
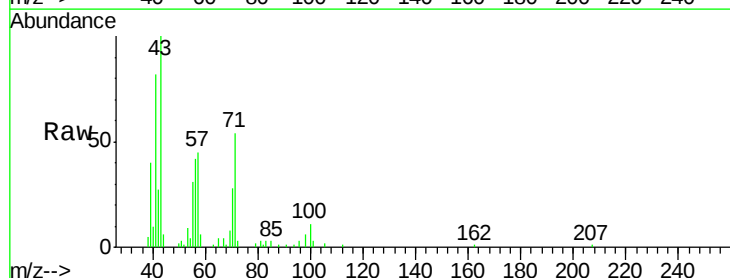
RT: 8.25 min Scan# 1652

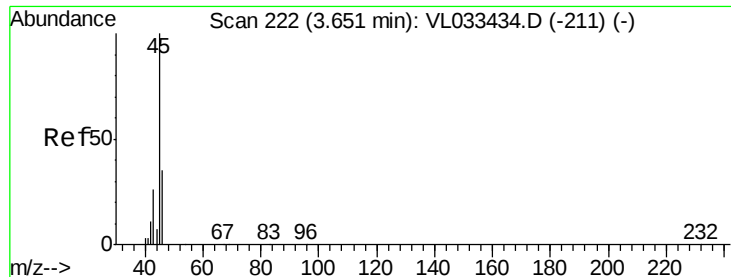
Delta R.T. 0.00 min

Lab File: VL033576.D

Acq: 10 Apr 2019 22:56

Tgt Ion:	43	Resp:	43626
Ion Ratio	Lower	Upper	
43	100		
57	52.2	40.6	60.8





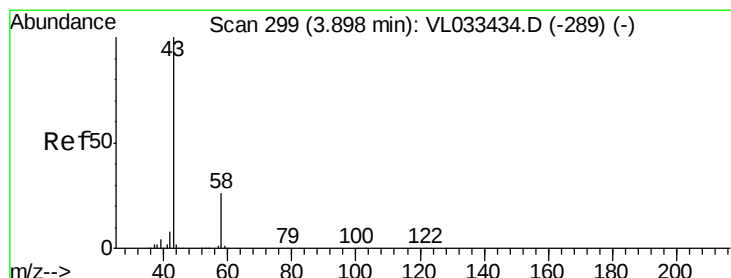
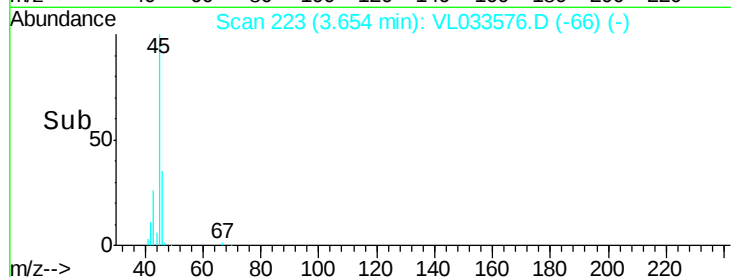
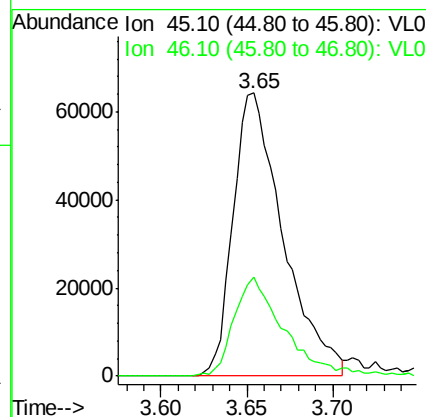
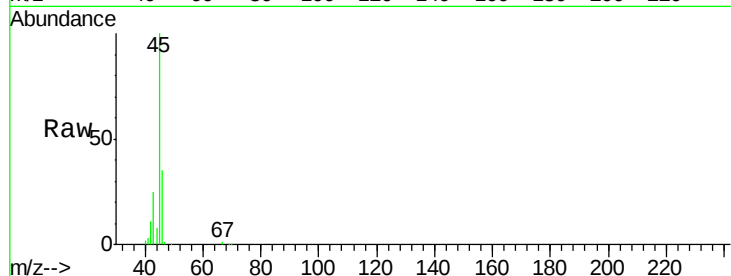
#13
Ethanol
Concen: 11.858 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033576.D
Acq: 10 Apr 2019 22:56

Instrument :
MSVOA_L
ClientSampleId :
A-6DL

Tot Ion	45	Resp	130005
Ion Ratio	100	Lower	Upper
46	35.3	25.4	101.8

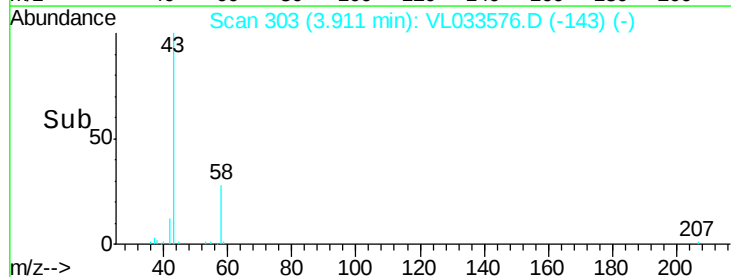
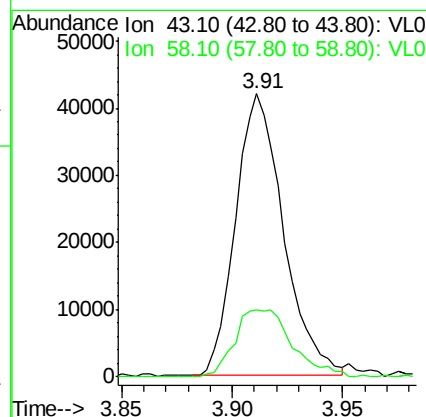
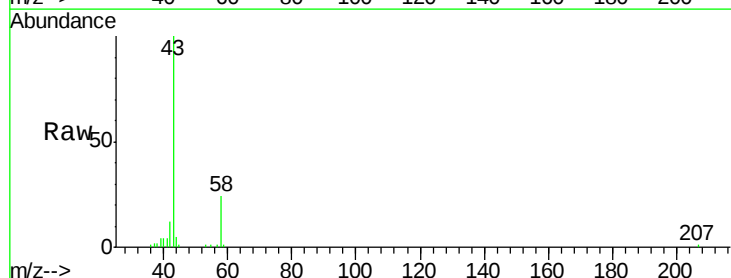
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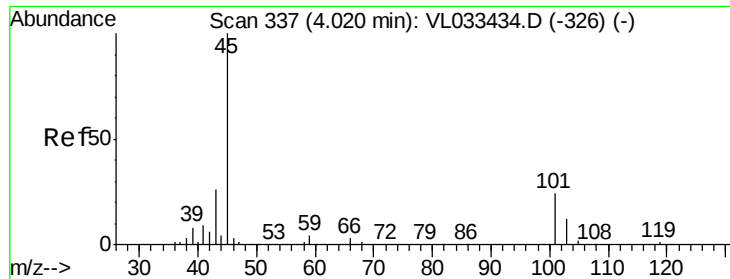
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#15
Acetone
Concen: 0.598 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033576.D
Acq: 10 Apr 2019 22:56

Tgt Ion	43	Resp	63033
Ion Ratio	100	Lower	Upper
58	29.0	20.5	30.7





#19

Isopropyl Alcohol

Concen: 0.960 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033576.D

Acq: 10 Apr 2019 22:56

Instrument :

MSVOA_L

ClientSampleId :

A-6DL

Tot Ion: 45 Resp: 63980

Ion Ratio Lower Upper

45 100

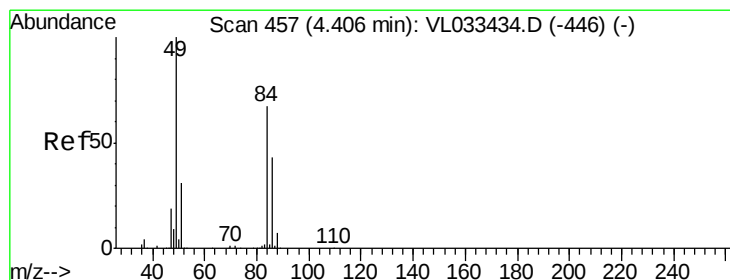
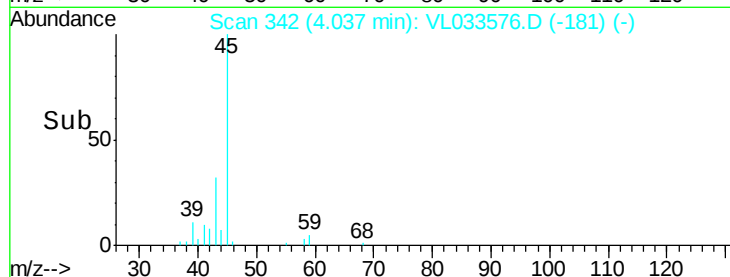
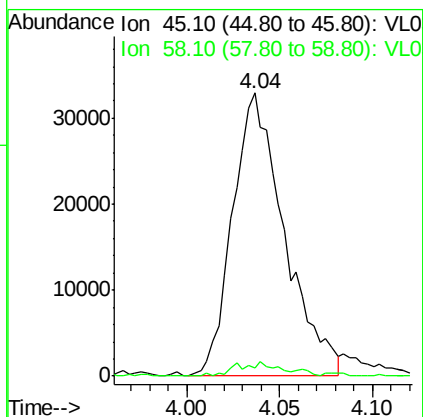
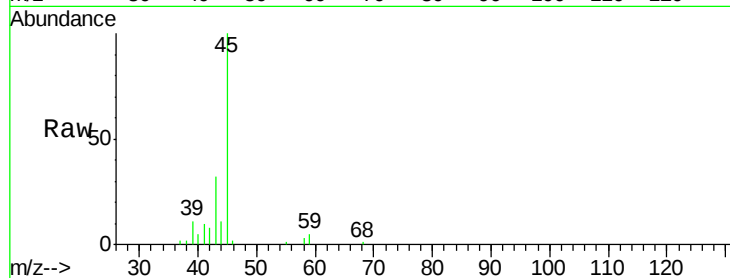
58 4.8 1.4 2.2#

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#20

Methylene Chloride

Concen: 0.847 ppbv m

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033576.D

Acq: 10 Apr 2019 22:56

Tgt Ion: 84 Resp: 37871

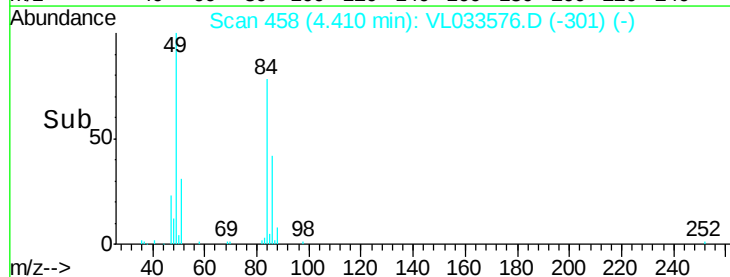
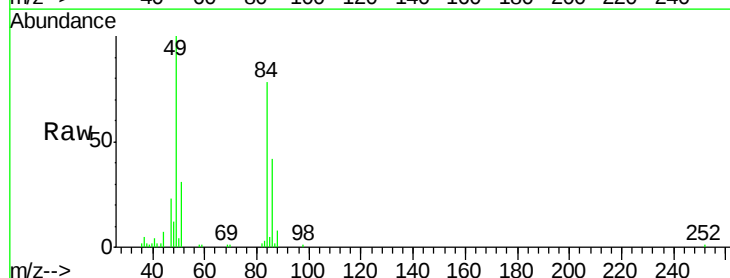
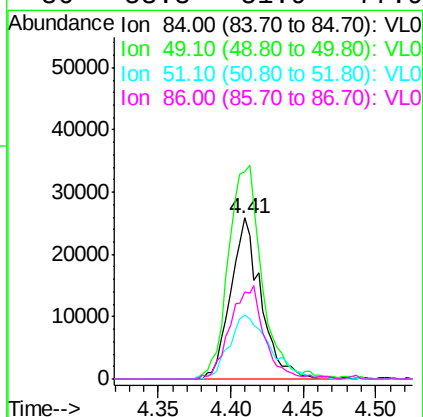
Ion Ratio Lower Upper

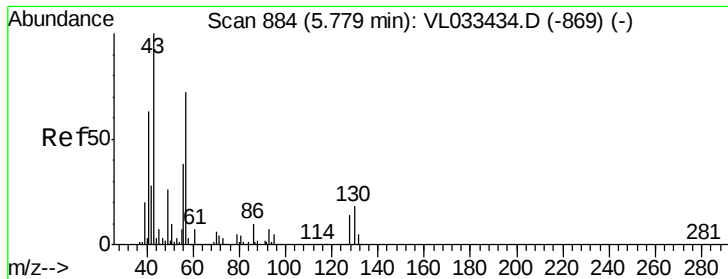
84 100

49 128.9 120.0 180.0

51 39.9 36.7 55.1

86 53.8 51.9 77.9





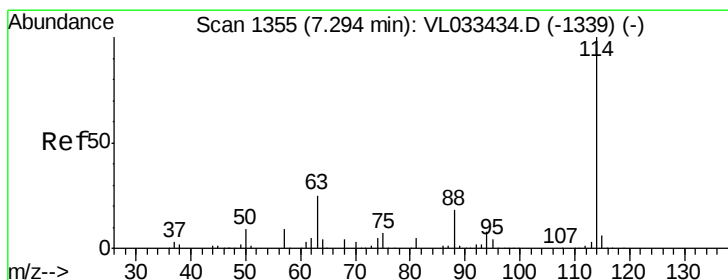
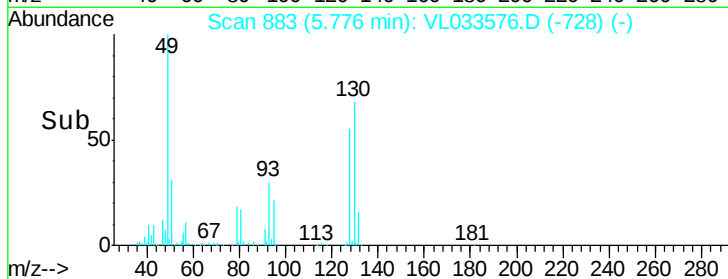
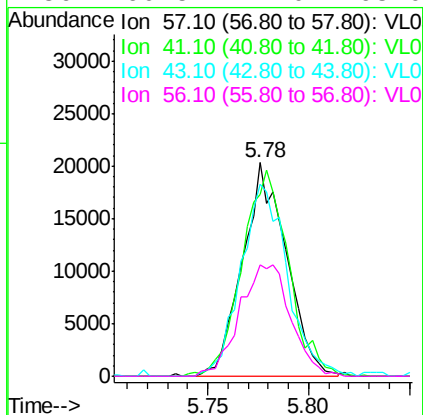
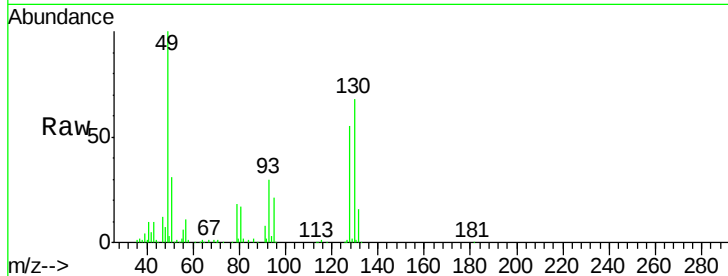
#26
Hexane
Concen: 0.357 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033576.D
Acq: 10 Apr 2019 22:56

Instrument :
MSVOA_L
ClientSampleId :
A-6DL

Tot Ion	57	Resp	31010
Ion	Ratio	Lower	Upper
57	100		
41	102.0	70.7	106.1
43	96.5	182.6	274.0#
56	60.5	42.0	63.0

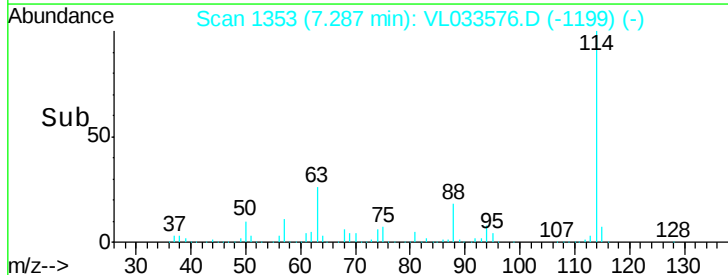
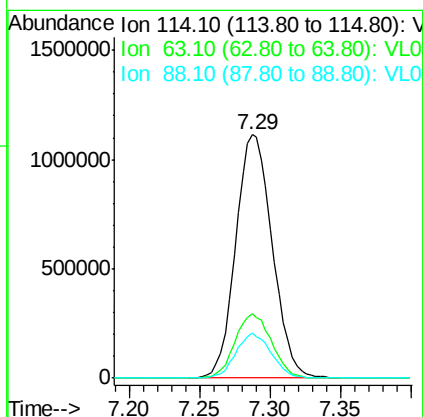
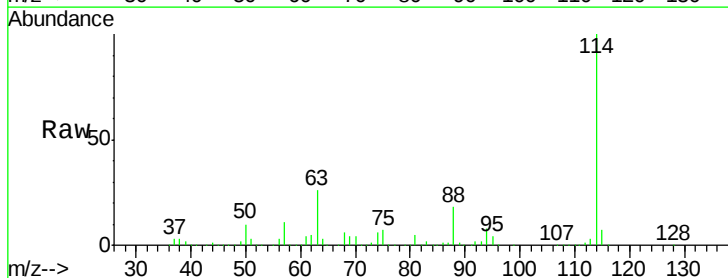
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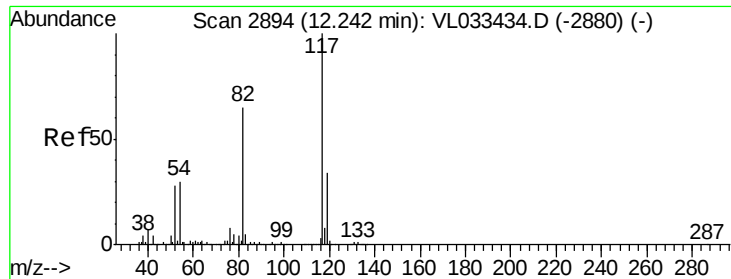
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033576.D
Acq: 10 Apr 2019 22:56

Tgt Ion	114	Resp	2022161
Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.0	14.5	21.7





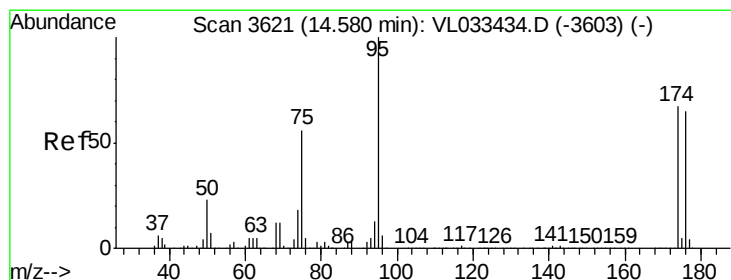
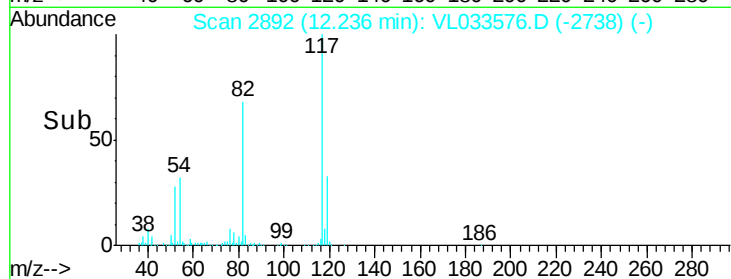
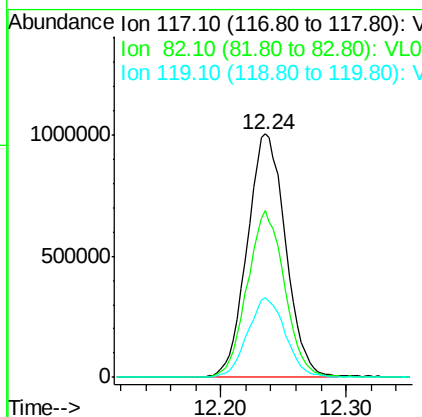
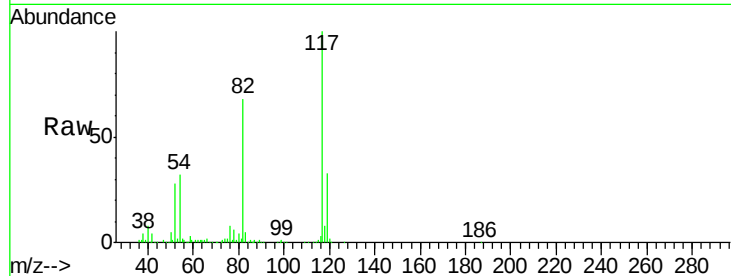
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033576.D
Acq: 10 Apr 2019 22:56

Instrument :
MSVOA_L
ClientSampled :
A-6DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.4	51.5	77.3
119	32.3	25.5	38.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.147 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033576.D
Acq: 10 Apr 2019 22:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.9	52.9	79.3
175	4.8	3.8	5.6

