

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034892.D
 Acq On : 16 Mar 2020 16:04
 Operator : SY/AP
 Sample : L1924-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-02DL

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:15:53 PM

Quant Time: Mar 17 10:56:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	914135	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1958907	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	1944503	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1571199	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	10772m	0.221	ppbv	
13) Ethanol	3.57	45	57808	3.900	ppbv	93
15) Acetone	3.83	43	102062	0.861	ppbv	94
19) Isopropyl Alcohol	3.96	45	15397	0.206	ppbv #	49
26) Hexane	5.67	57	20816m	0.229	ppbv	
53) Toluene	9.81	91	51235	0.254	ppbv	97

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

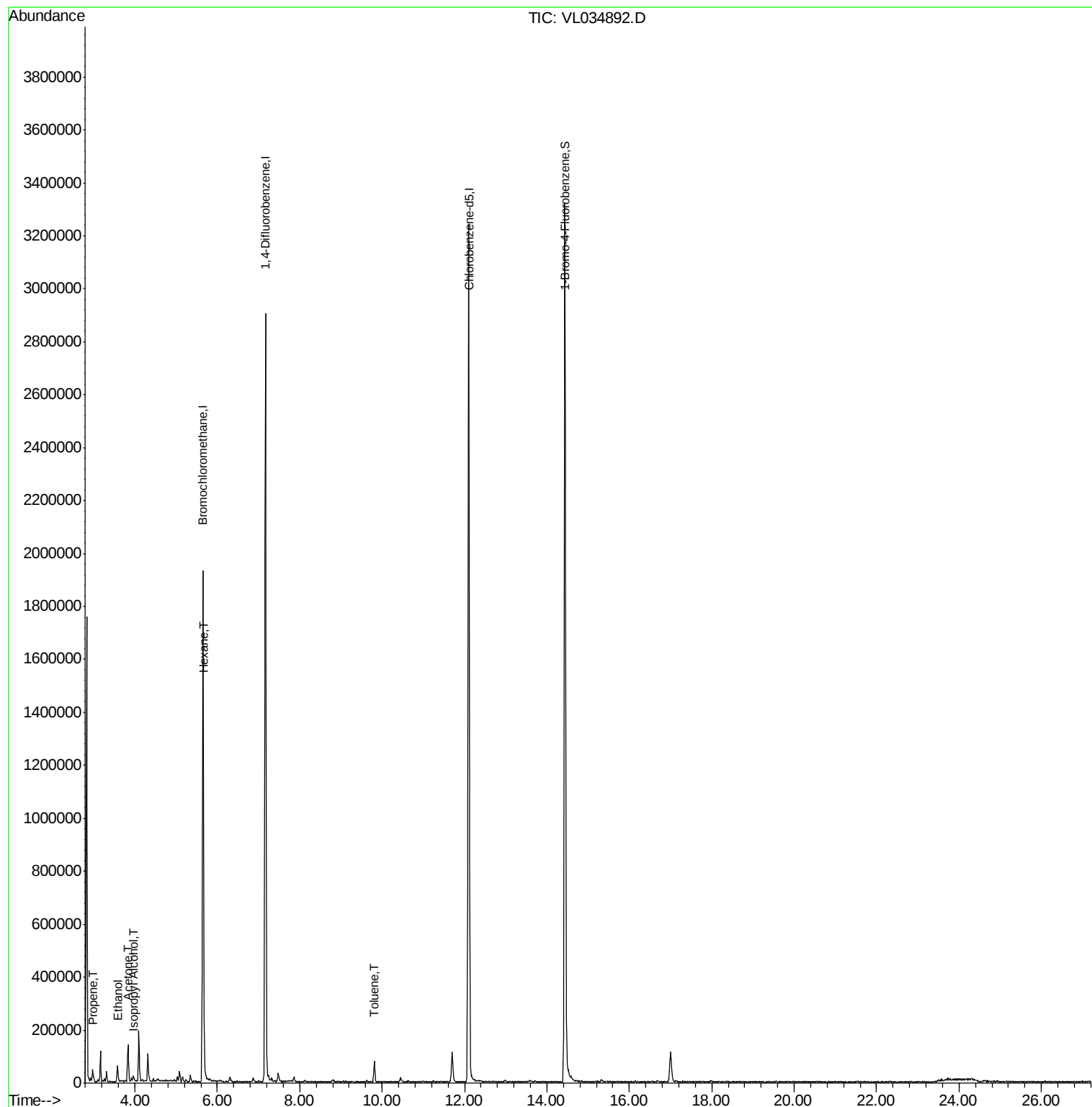
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031620\
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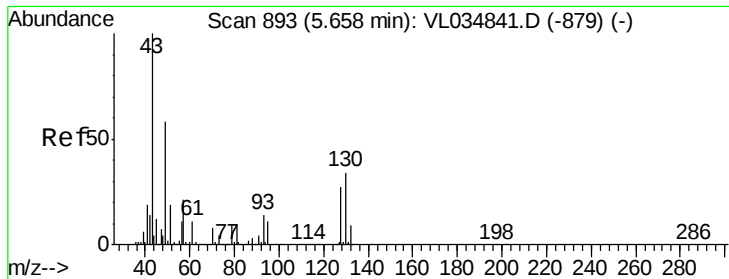
Instrument :
MSVOA_L
ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL034892.D

Acq: 16 Mar 2020 16:04

Instrument :

MSVOA_L

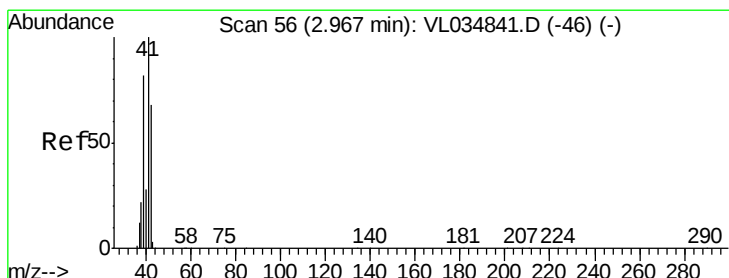
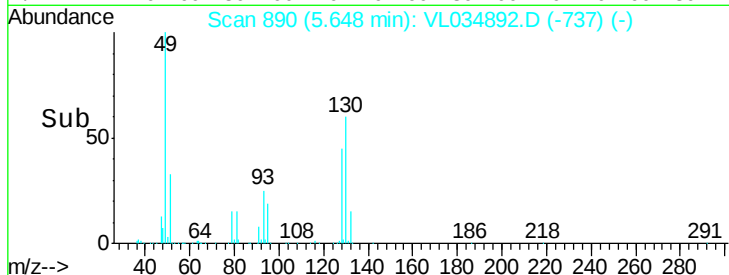
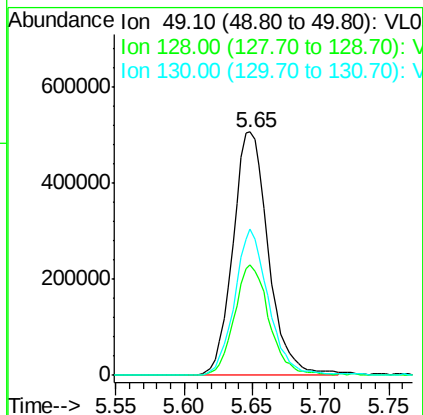
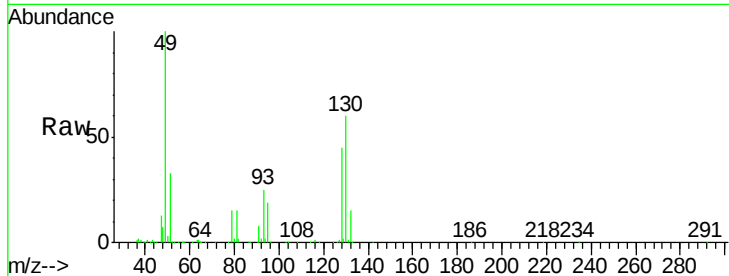
ClientSampleId :

IA-02DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	44.9	23.4	70.3
130	58.1	30.0	90.0

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#9

Propene

Concen: 0.221 ppbv m

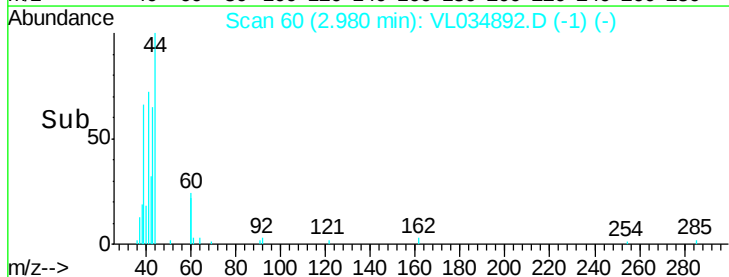
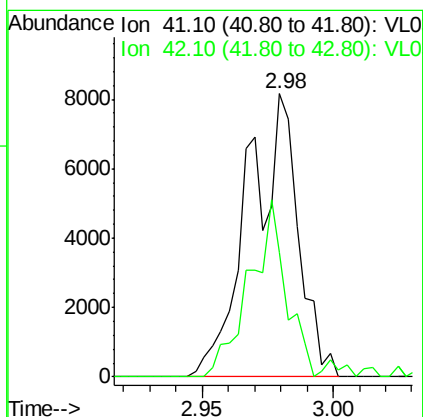
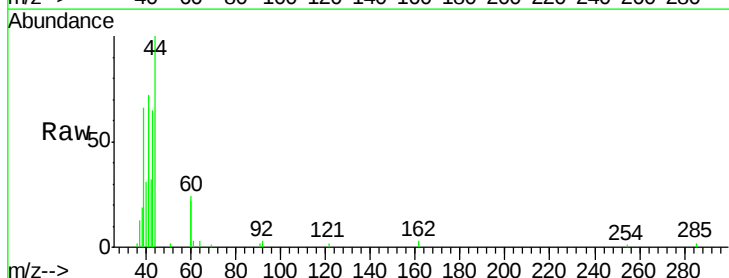
RT: 2.98 min Scan# 60

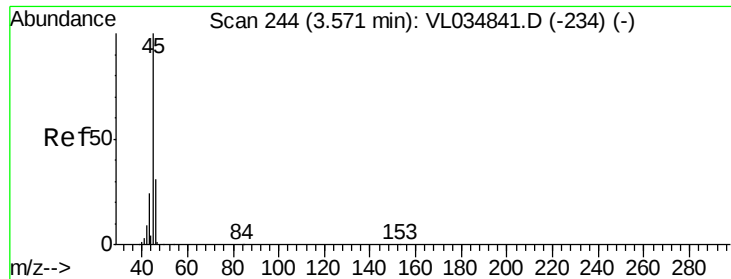
Delta R.T. 0.01 min

Lab File: VL034892.D

Acq: 16 Mar 2020 16:04

Tgt Ion	Ratio	Lower	Upper
41	100		
42	189.9	55.2	82.8#





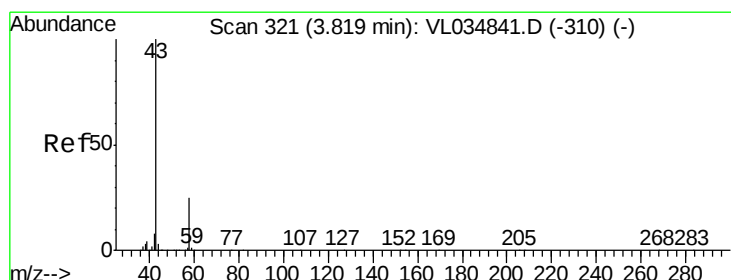
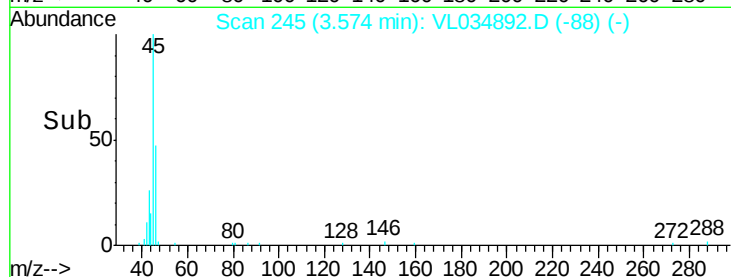
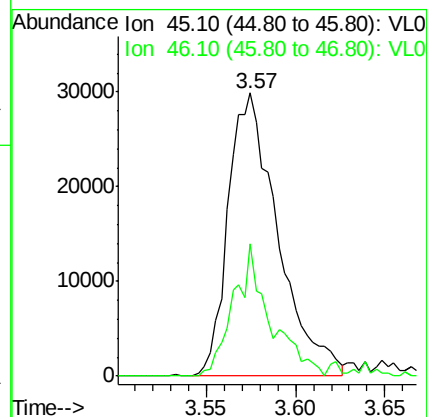
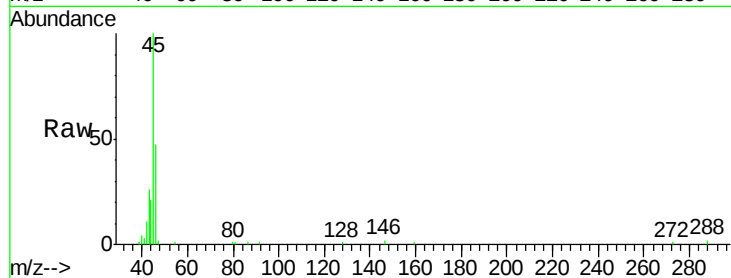
#13
Ethanol
Concen: 3.900 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034892.D
Acq: 16 Mar 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
IA-02DL

Tot Ion: 45 Resp: 57808
Ion Ratio Lower Upper
45 100
46 35.5 16.0 64.0

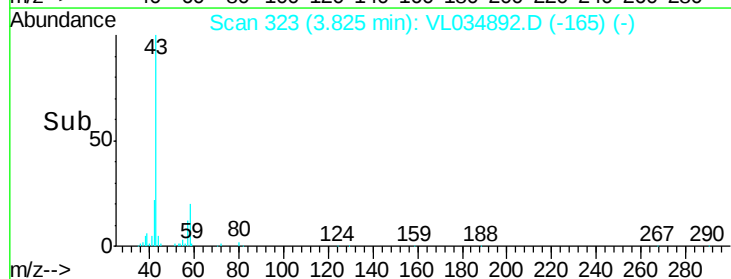
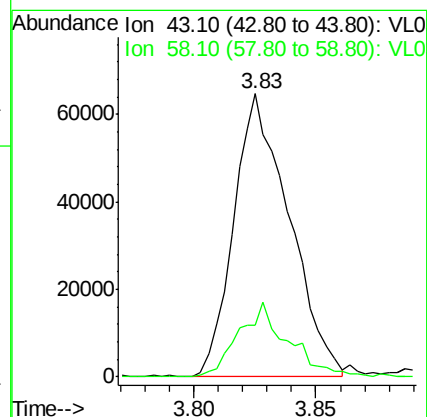
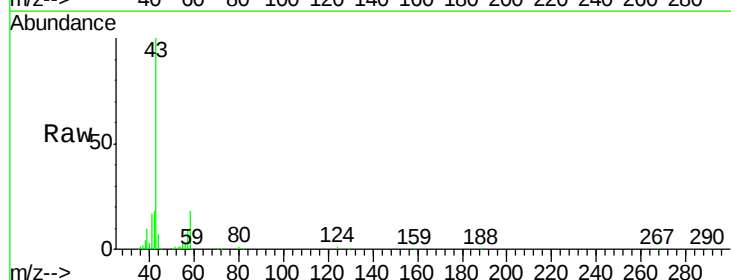
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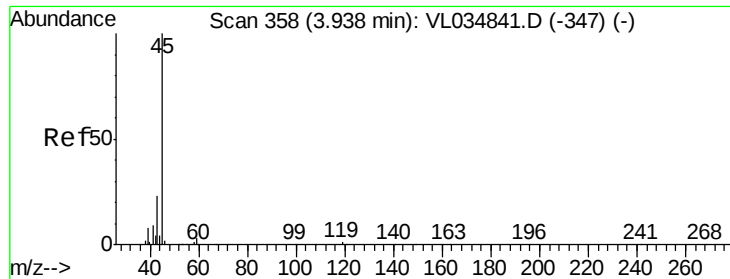
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#15
Acetone
Concen: 0.861 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.01 min
Lab File: VL034892.D
Acq: 16 Mar 2020 16:04

Tgt Ion: 43 Resp: 102062
Ion Ratio Lower Upper
43 100
58 23.5 21.0 31.6





#19

Isopropyl Alcohol

Concen: 0.206 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.02 min

Lab File: VL034892.D

Acq: 16 Mar 2020 16:04

Instrument :

MSVOA_L

ClientSampled :

IA-02DL

Tot Ion: 45 Resp: 15397

Ion Ratio Lower Upper

45 100

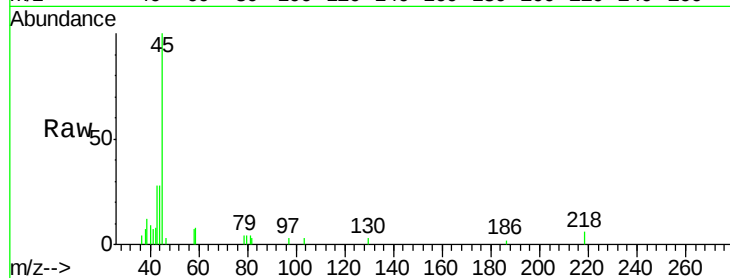
58 7.4 30.5 45.7#

Manual Integrations

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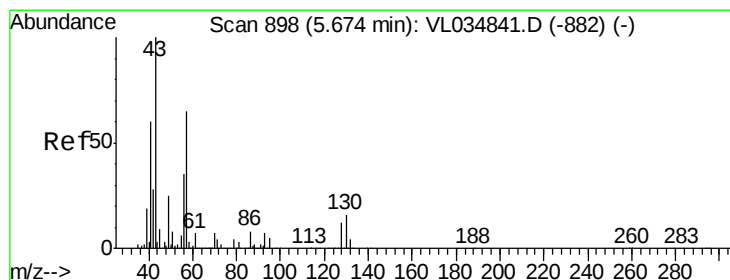
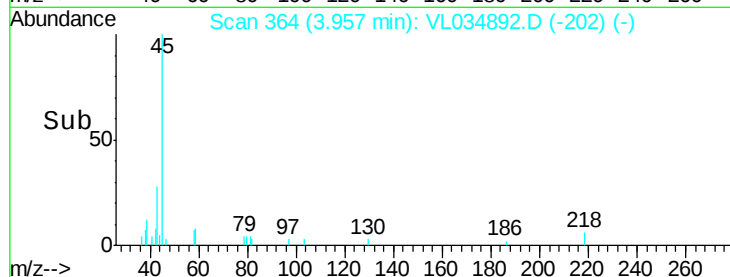
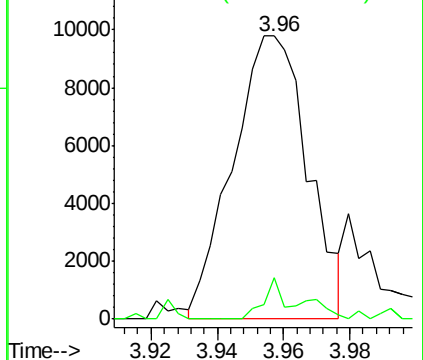
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#26

Hexane

Concen: 0.229 ppbv m

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034892.D

Acq: 16 Mar 2020 16:04

Tgt Ion: 57 Resp: 20816

Ion Ratio Lower Upper

57 100

41 108.7 72.6 109.0

43 130.0 183.8 275.6#

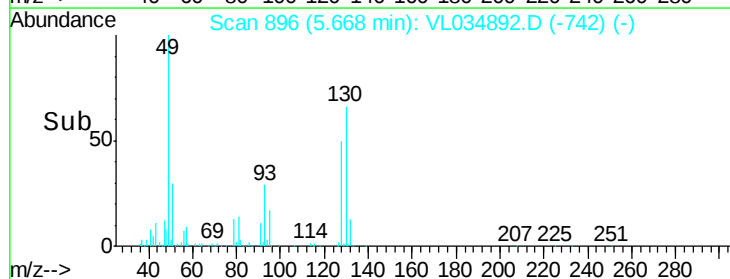
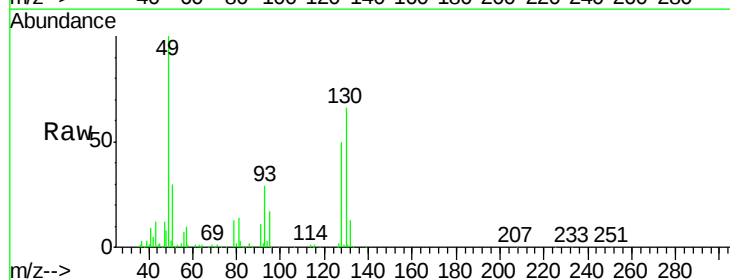
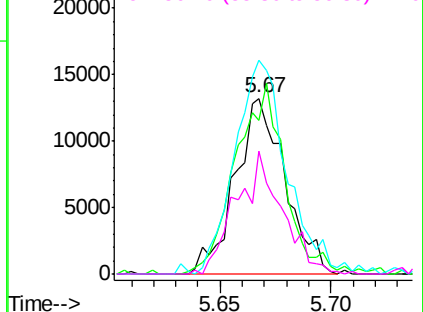
56 64.1 41.9 62.9#

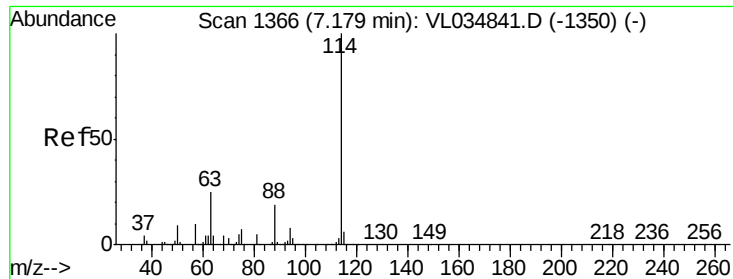
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





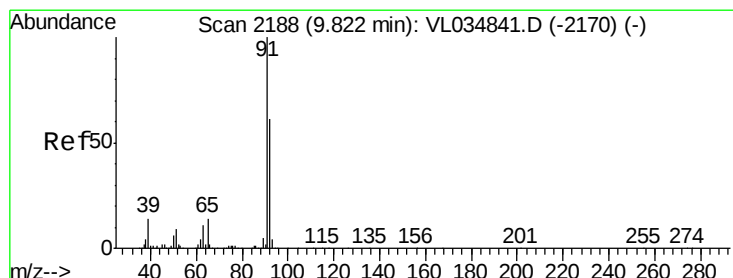
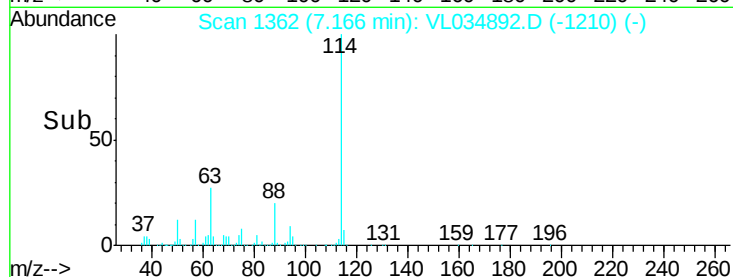
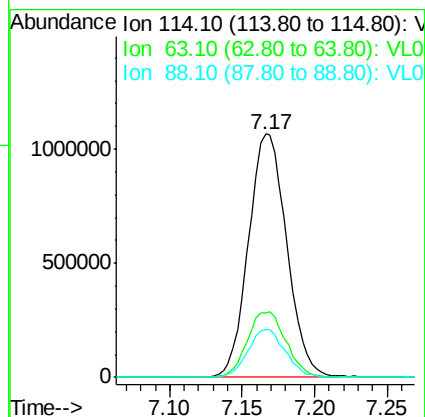
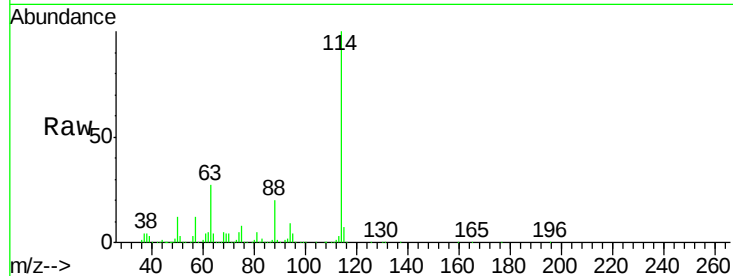
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL034892.D
 Acq: 16 Mar 2020 16:04

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-02DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	20.6	31.0
88	19.4	15.0	22.6

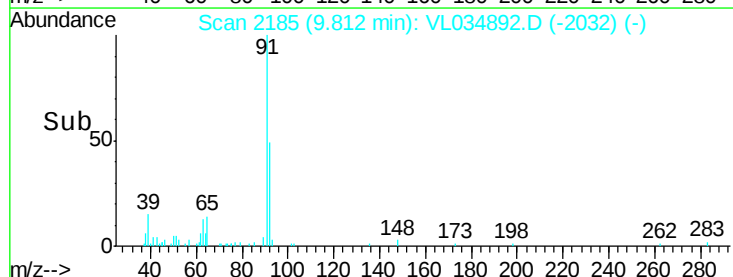
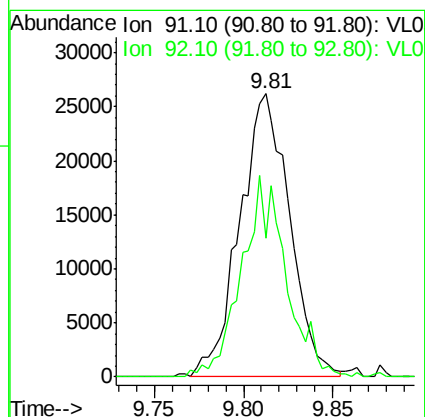
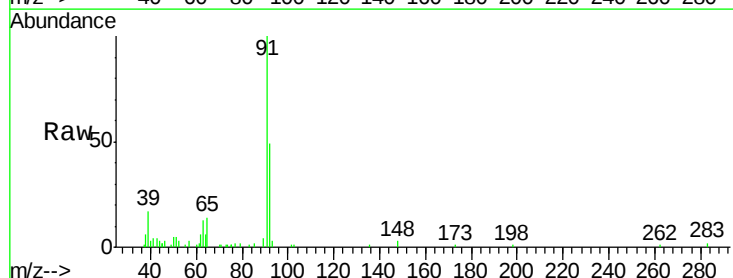
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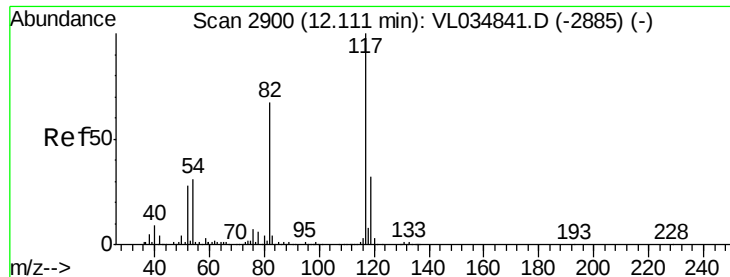
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#53
 Toluene
 Concen: 0.254 ppbv
 RT: 9.81 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: VL034892.D
 Acq: 16 Mar 2020 16:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.3	48.6	72.8





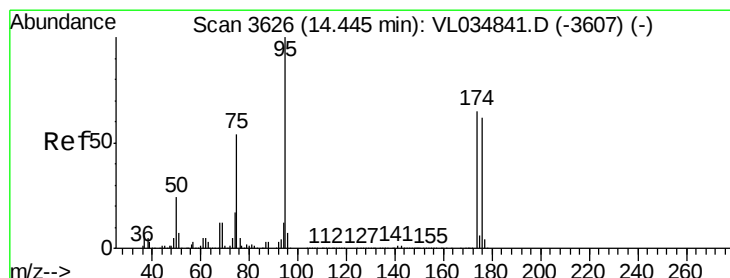
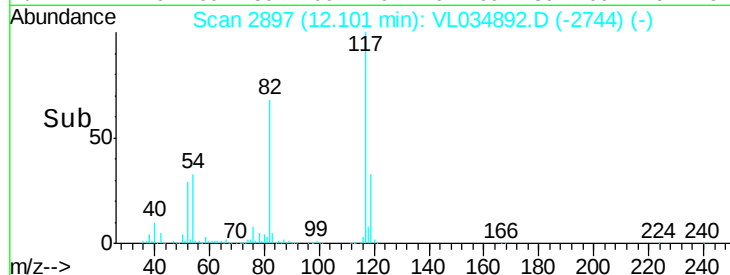
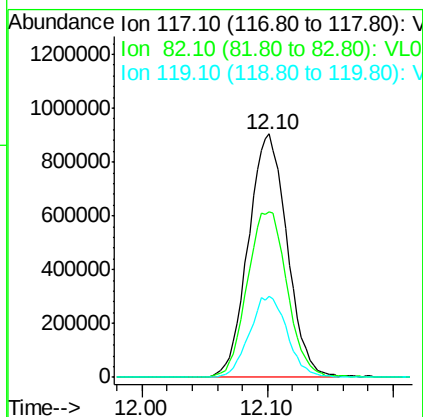
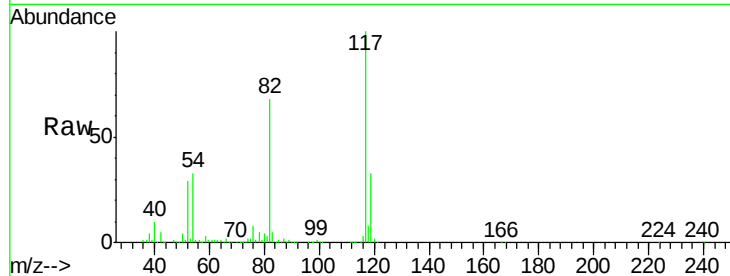
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034892.D
Acq: 16 Mar 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
IA-02DL

Tot Ion:117 Resp: 1944503
Ion Ratio Lower Upper
117 100
82 70.4 51.1 76.7
119 32.9 27.3 40.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.361 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL034892.D
Acq: 16 Mar 2020 16:04

Tgt Ion: 95 Resp: 1571199
Ion Ratio Lower Upper
95 100
174 65.8 55.2 82.8
175 4.7 4.3 6.5

