

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033007.D
 Acq On : 17 Dec 2018 22:31
 Operator : SY/AP
 Sample : J6382-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 P0131-IA002-181212-01DL

Manual Integrations
 APPROVED

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Quant Time: Dec 18 02:28:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1212319	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2899135	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3159484	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2301250	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.18	50	11019	0.206	ppbv	95
9) Propene	3.06	41	11097m	0.306	ppbv	
13) Ethanol	3.65	45	459530	36.763	ppbv	95
15) Acetone	3.92	43	59970	0.576	ppbv	94
20) Methylene Chloride	4.42	84	28659	0.564	ppbv	97
26) Hexane	5.79	57	23813	0.210	ppbv #	59
53) Toluene	9.96	91	80952	0.358	ppbv	98

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

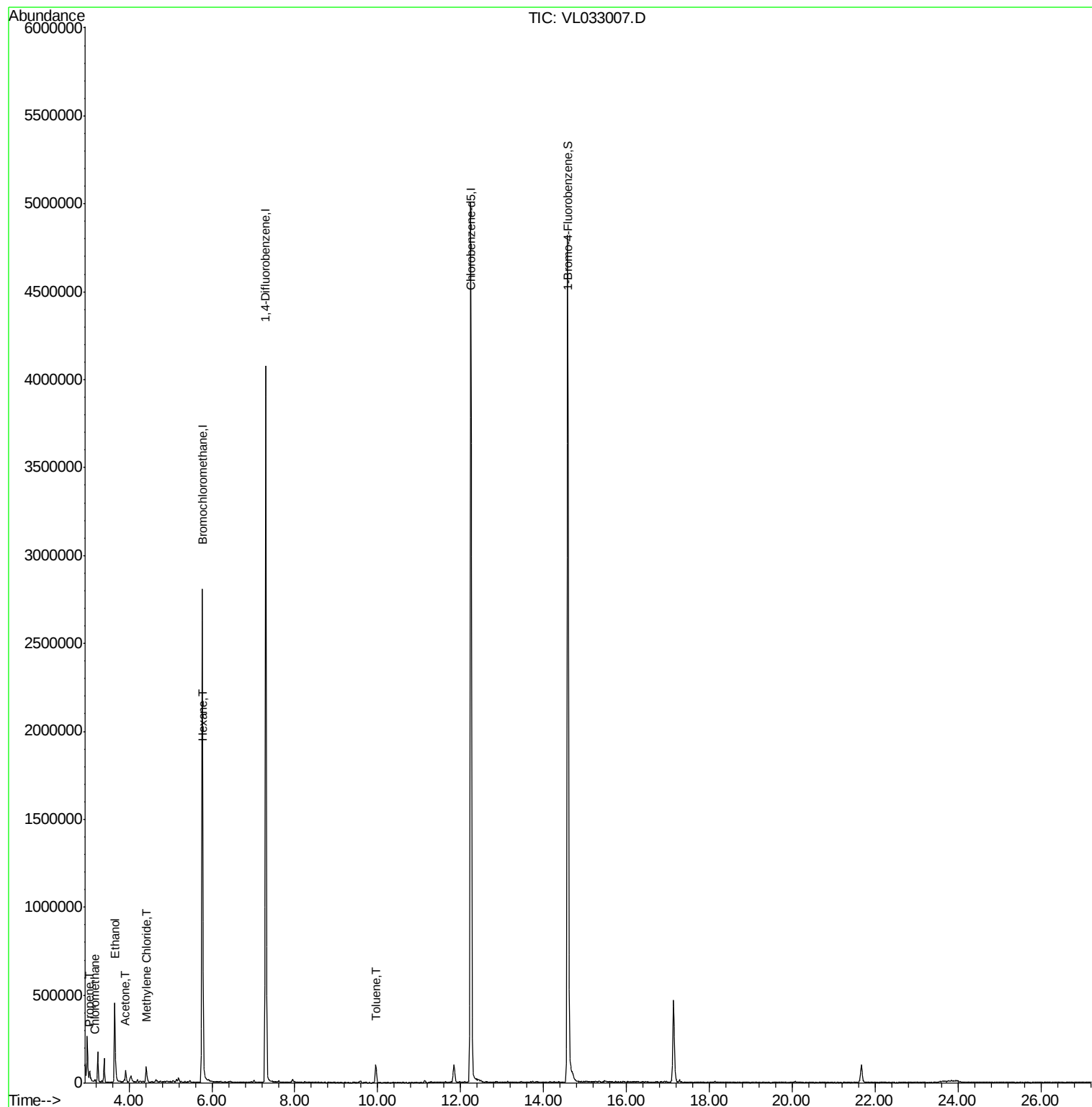
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
Data File : VL033007.D
Acq On : 17 Dec 2018 22:31
Operator : SY/AP
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Misc : 400ml/MSVOA L
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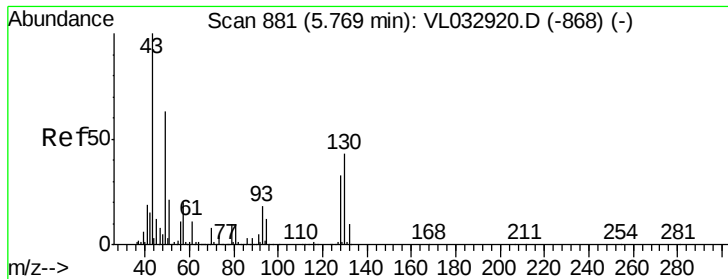
Instrument :
MSVOA_L
ClientSampleId :
P0131-IA002-181212-01DL

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033007.D

Acq: 17 Dec 2018 22:31

Instrument :

MSVOA_L

ClientSampleId :

P0131-IA002-181212-01DL

Tot Ion: 49 Resp: 1212319

Ion Ratio Lower Upper

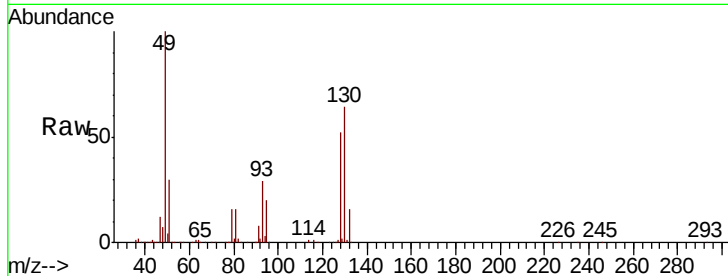
49 100

128 53.5 26.3 78.8

130 68.0 33.9 101.7

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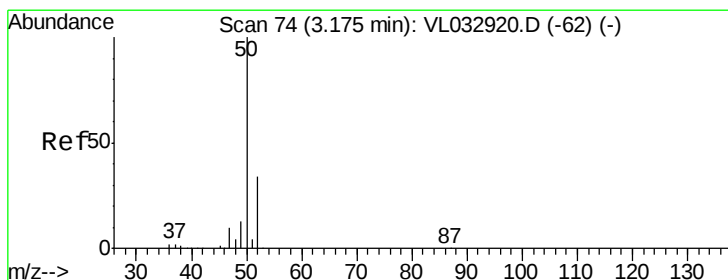
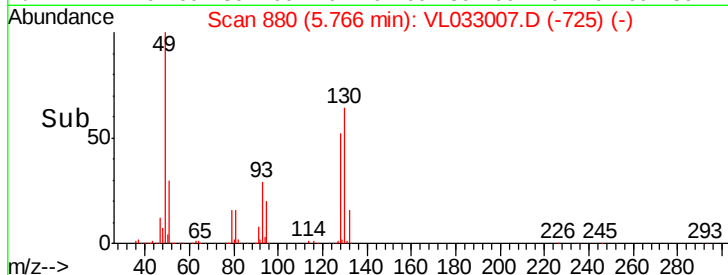
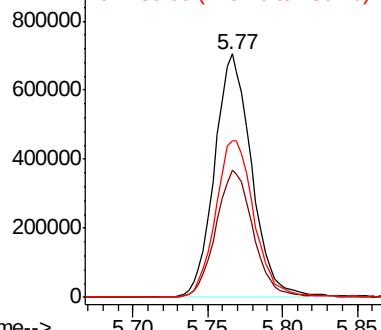
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#4

Chloromethane

Concen: 0.206 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL033007.D

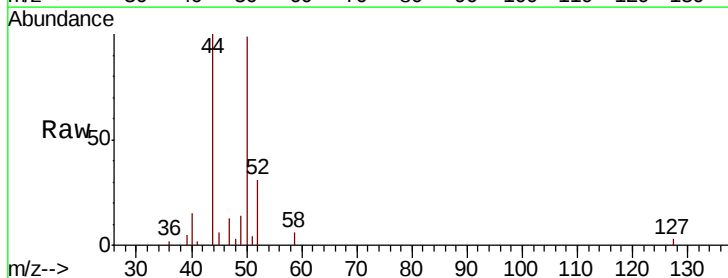
Acq: 17 Dec 2018 22:31

Tgt Ion: 50 Resp: 11019

Ion Ratio Lower Upper

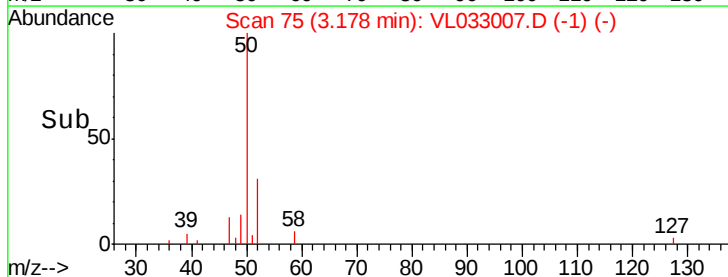
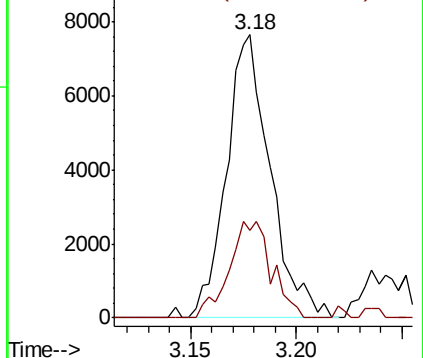
50 100

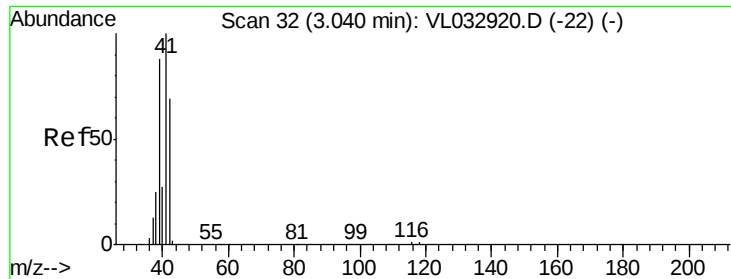
52 31.0 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.306 ppbv m

RT: 3.06 min Scan# 37

Delta R.T. 0.02 min

Lab File: VL033007.D

Acq: 17 Dec 2018 22:31

Instrument :

MSVOA_L

ClientSampleId :

P0131-IA002-181212-01DL

Tot Ion: 41 Resp: 11097

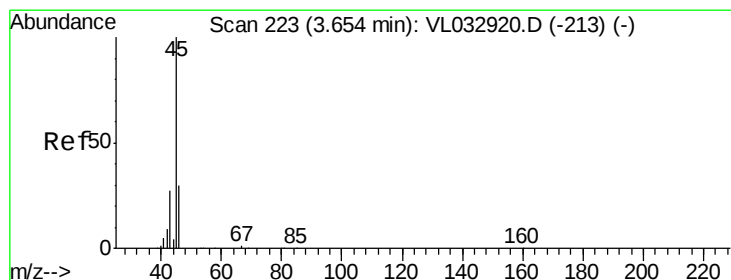
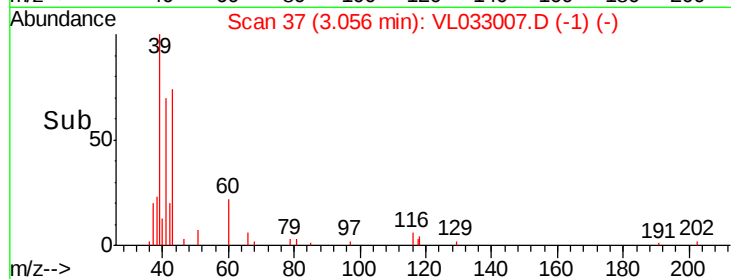
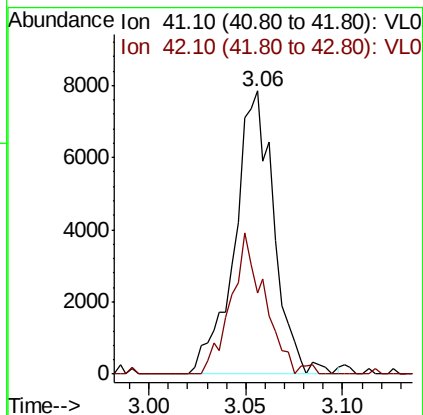
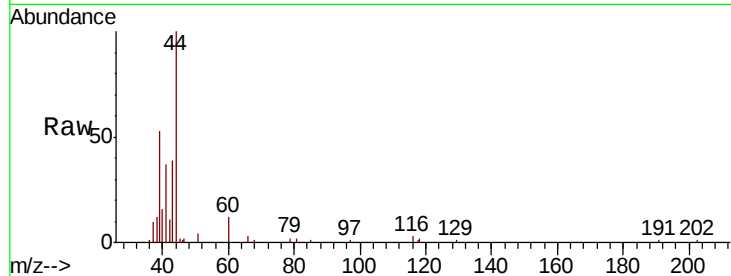
Ion Ratio Lower Upper

41 100

42 279.1 56.2 84.2#

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#13

Ethanol

Concen: 36.763 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033007.D

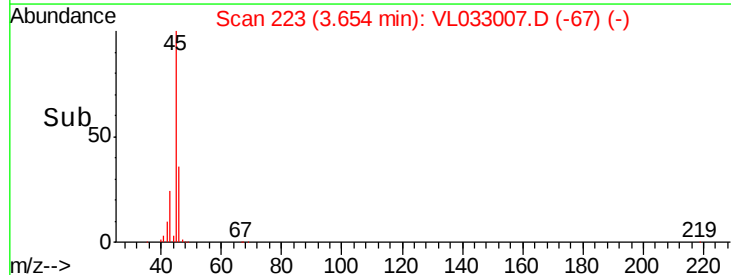
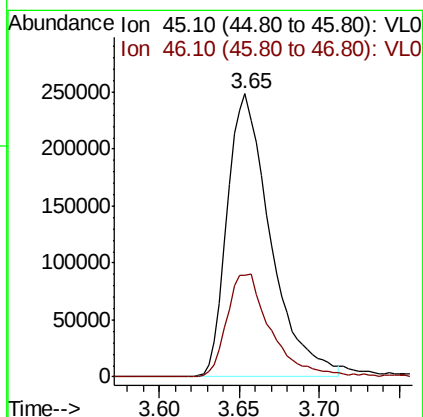
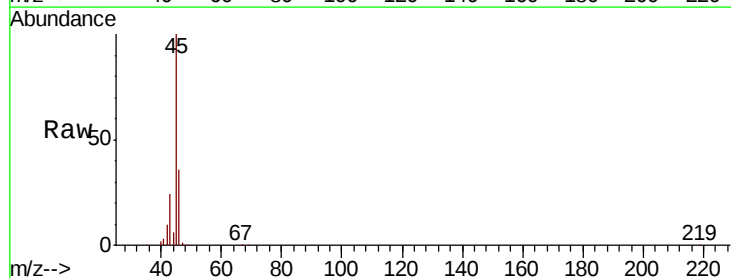
Acq: 17 Dec 2018 22:31

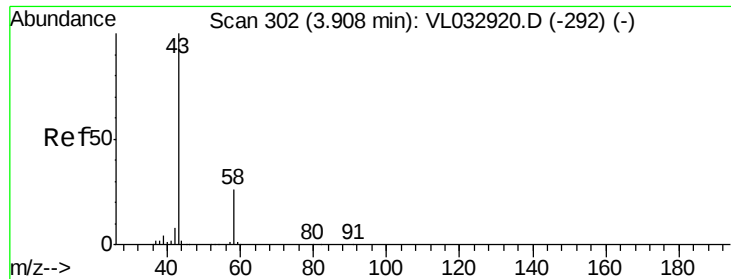
Tgt Ion: 45 Resp: 459530

Ion Ratio Lower Upper

45 100

46 37.4 13.8 55.4





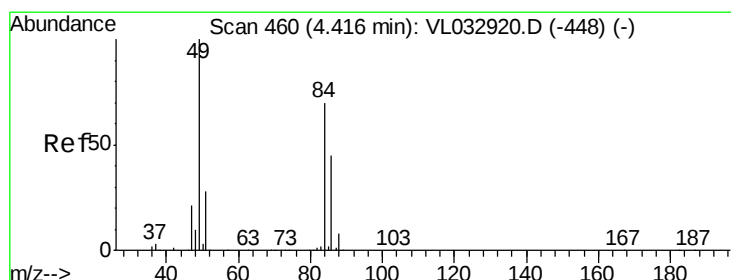
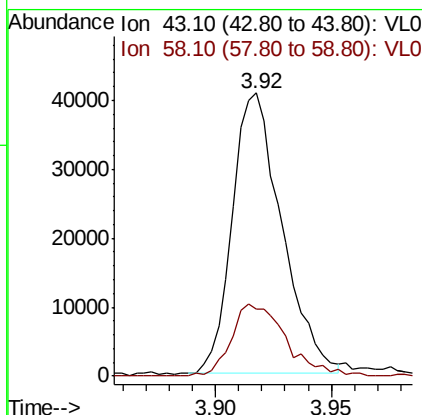
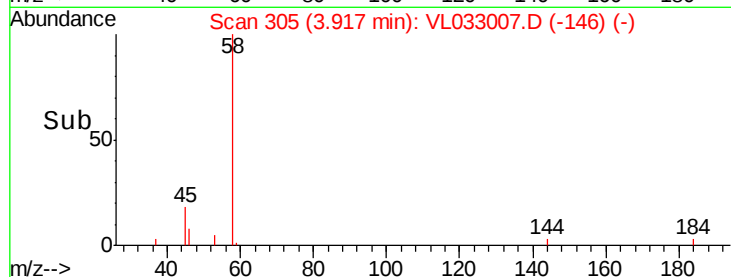
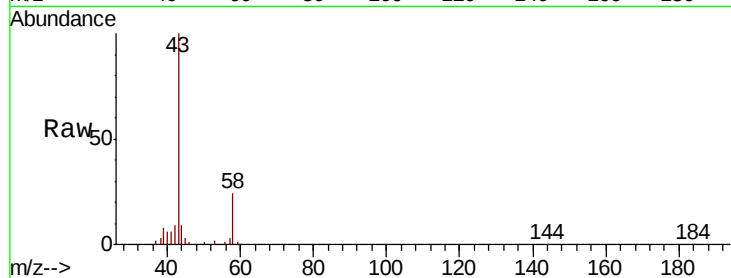
#15
Acetone
Concen: 0.576 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033007.D
Acq: 17 Dec 2018 22:31

Instrument :
MSVOA_L
ClientSampleId :
P0131-IA002-181212-01DL

Tot Ion: 43 Resp: 59970
Ion Ratio Lower Upper
43 100
58 28.5 20.6 30.8

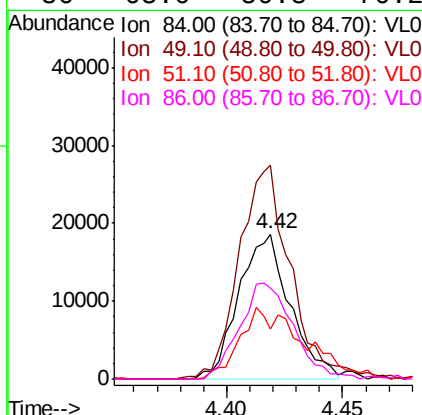
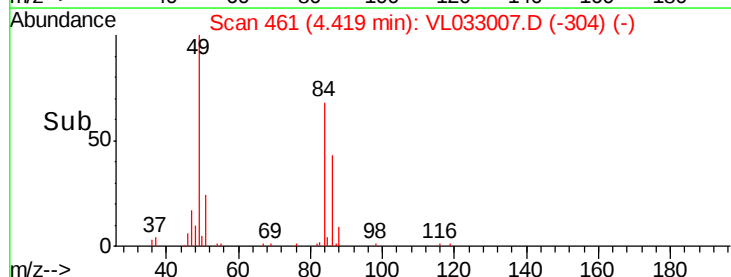
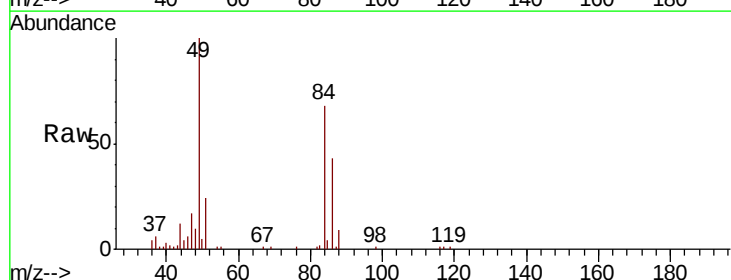
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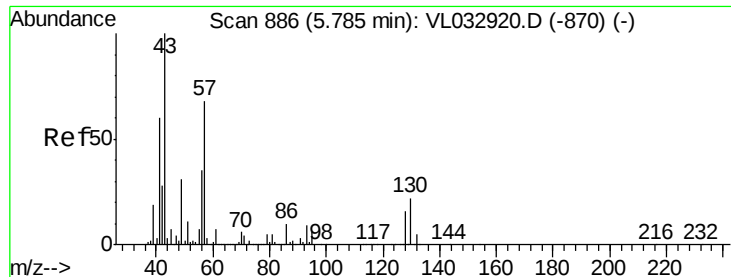
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#20
Methylene Chloride
Concen: 0.564 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL033007.D
Acq: 17 Dec 2018 22:31

Tgt Ion: 84 Resp: 28659
Ion Ratio Lower Upper
84 100
49 146.0 113.8 170.8
51 34.8 31.8 47.8
86 63.0 50.8 76.2





#26

Hexane

Concen: 0.210 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL033007.D

Acq: 17 Dec 2018 22:31

Instrument :

MSVOA_L

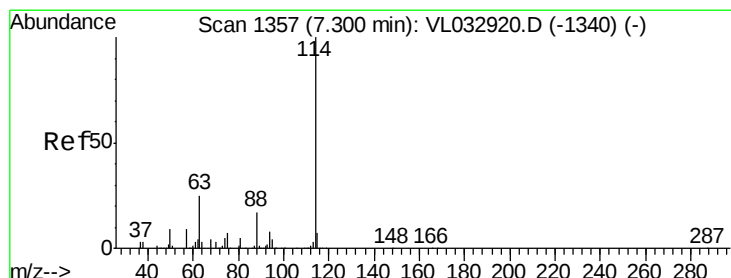
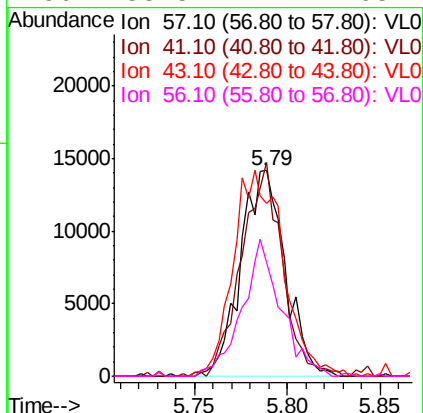
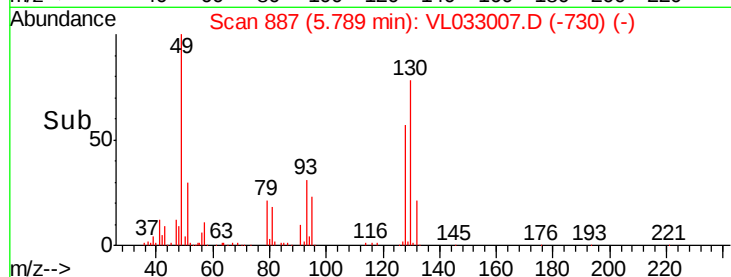
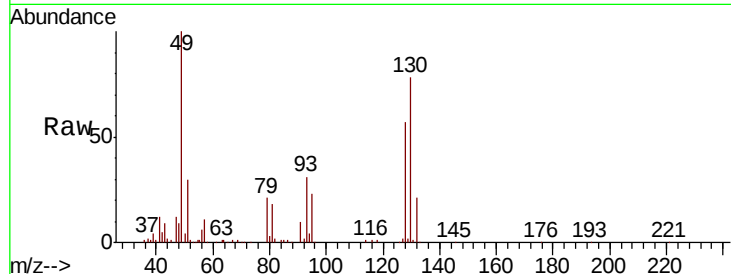
ClientSampleId :

P0131-IA002-181212-01DL

Tot Ion	57	Resp	23813
Ion	Ratio	Lower	Upper
57	100		
41	94.0	72.2	108.2
43	111.9	171.9	257.9#
56	58.5	42.2	63.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

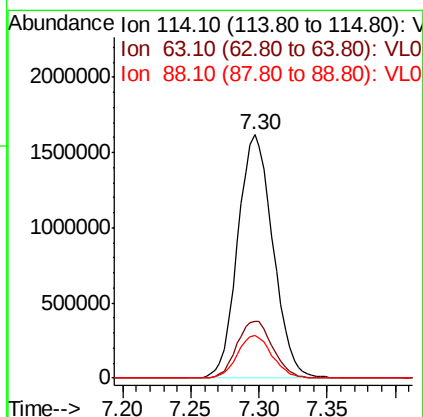
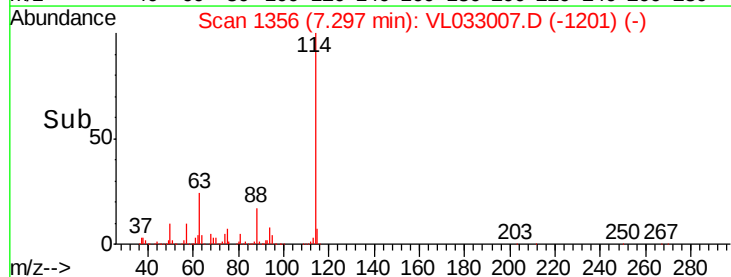
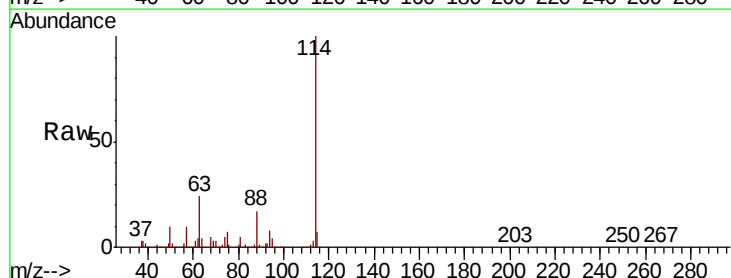
RT: 7.30 min Scan# 1356

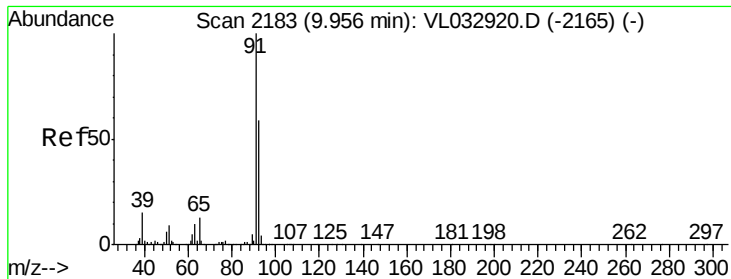
Delta R.T. -0.00 min

Lab File: VL033007.D

Acq: 17 Dec 2018 22:31

Tgt Ion	114	Resp	2899135
Ion	Ratio	Lower	Upper
114	100		
63	24.0	20.1	30.1
88	17.4	14.2	21.4





#53

Toluene

Concen: 0.358 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033007.D

Acq: 17 Dec 2018 22:31

Instrument :

MSVOA_L

ClientSampleId :

P0131-IA002-181212-01DL

Tot Ion: 91 Resp: 80952

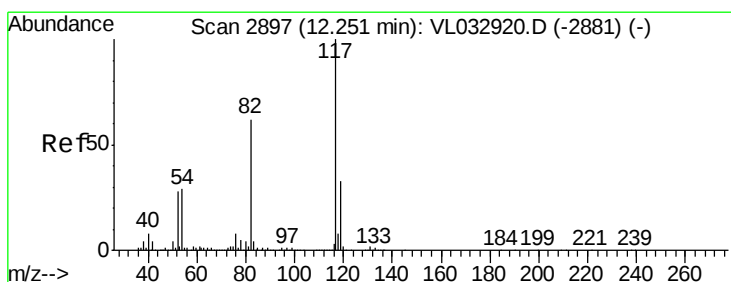
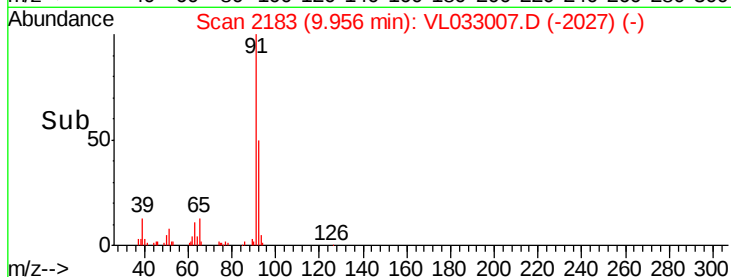
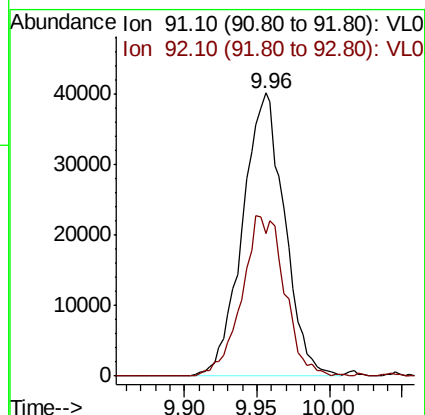
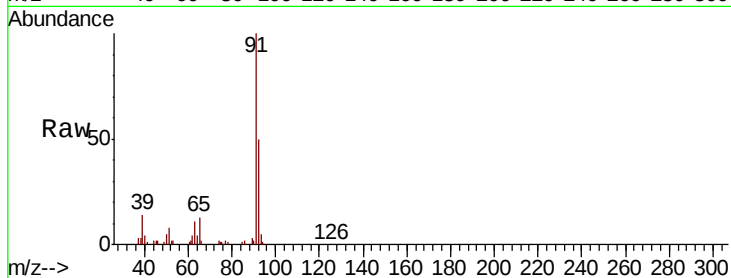
Ion Ratio Lower Upper

91 100

92 57.6 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL033007.D

Acq: 17 Dec 2018 22:31

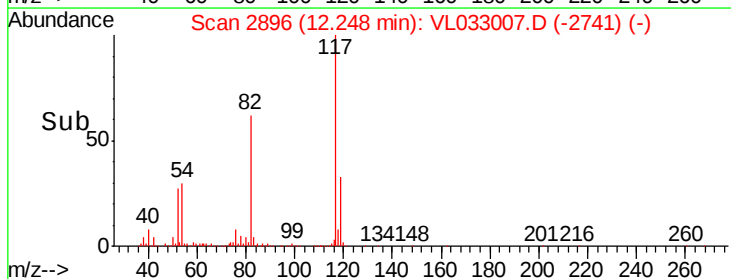
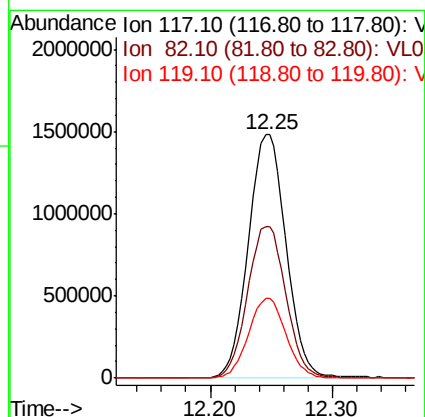
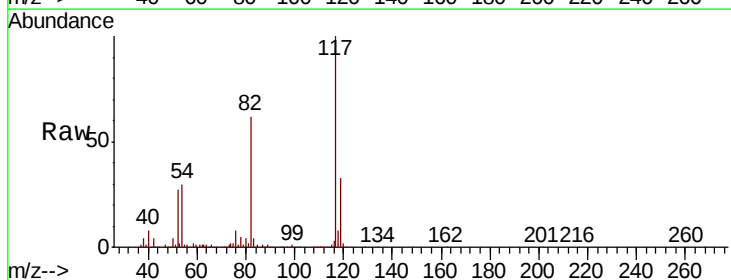
Tgt Ion: 117 Resp: 3159484

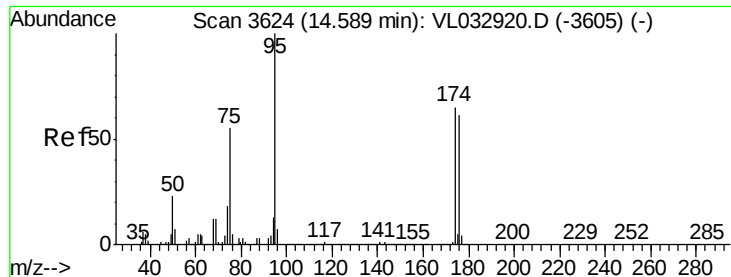
Ion Ratio Lower Upper

117 100

82 63.9 47.8 71.8

119 32.7 43.1 64.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.859 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL033007.D
 Acq: 17 Dec 2018 22:31

Instrument :
 MSVOA_L
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 P0131-IA002-181212-01DL

Tot Ion: 95 Resp: 2301250
 Ion Ratio Lower Upper
 95 100
 174 66.9 51.4 77.0
 175 5.0 3.8 5.6

Manual Integrations
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