

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032763.D
 Acq On : 14 Nov 2018 17:45
 Operator : SY/AP
 Sample : J5896-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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Quant Time: Nov 15 06:36:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1559559	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3849542	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3495540	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2624394	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	12403m	0.251	ppbv	
13) Ethanol	3.66	45	104707	6.461	ppbv	98
15) Acetone	3.92	43	107616	0.756	ppbv	99
19) Isopropyl Alcohol	4.06	45	16110m	0.170	ppbv	
20) Methylene Chloride	4.41	84	29845	0.405	ppbv #	80
26) Hexane	5.79	57	21541	0.146	ppbv #	1
52) Tetrachloroethene	11.38	164	55332	0.519	ppbv #	87
53) Toluene	9.95	91	36534	0.114	ppbv	91

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

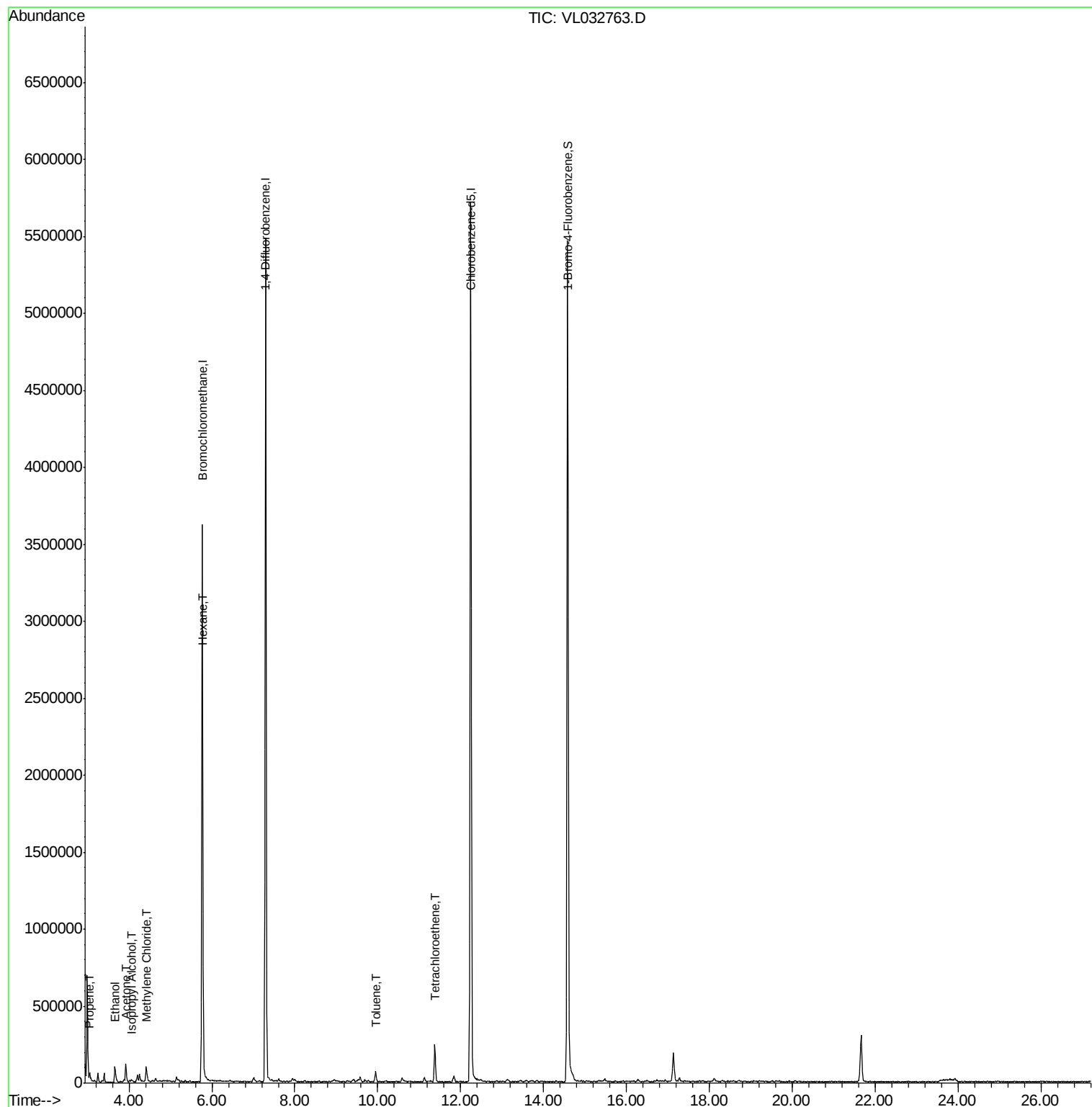
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111418\
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Quant Time: Nov 15 06:36:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032763.D

Acq: 14 Nov 2018 17:45

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 49 Resp: 1559559

Ion Ratio Lower Upper

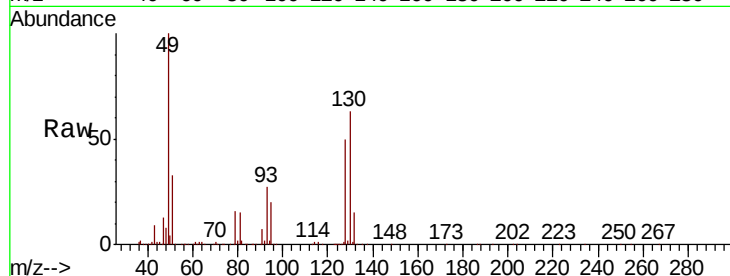
49 100

128 50.7 24.9 74.6

130 64.9 31.4 94.2

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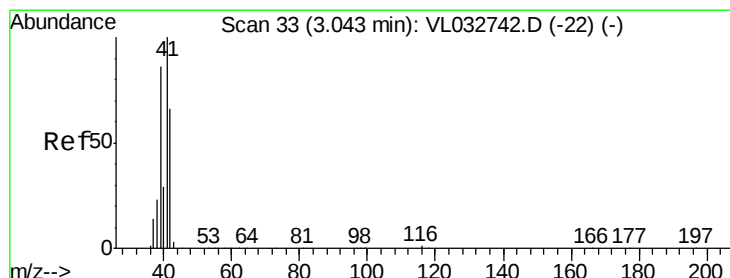
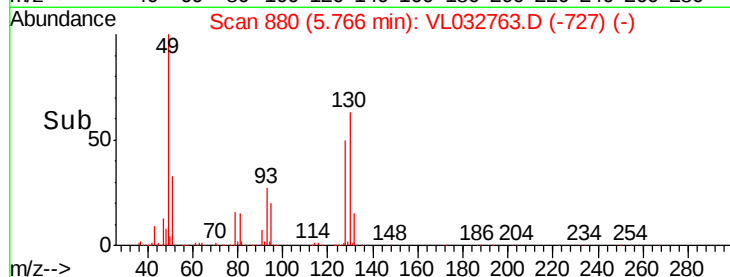
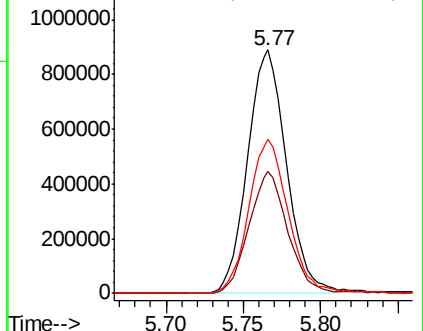
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.251 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032763.D

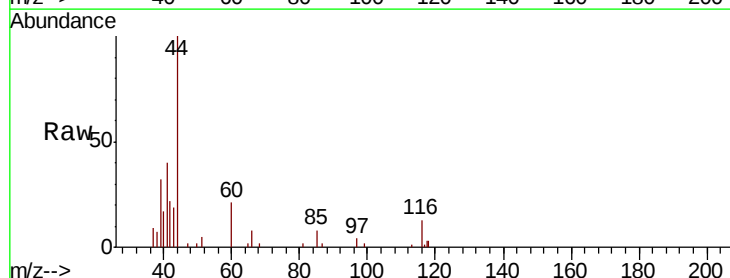
Acq: 14 Nov 2018 17:45

Tgt Ion: 41 Resp: 12403

Ion Ratio Lower Upper

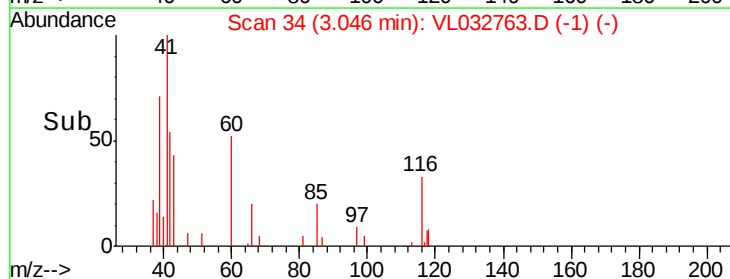
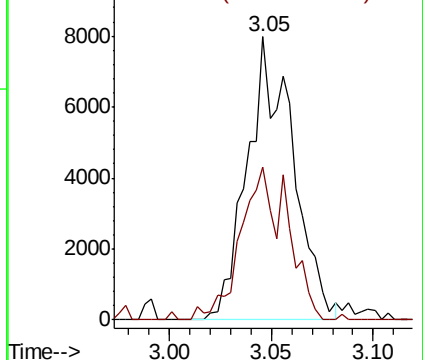
41 100

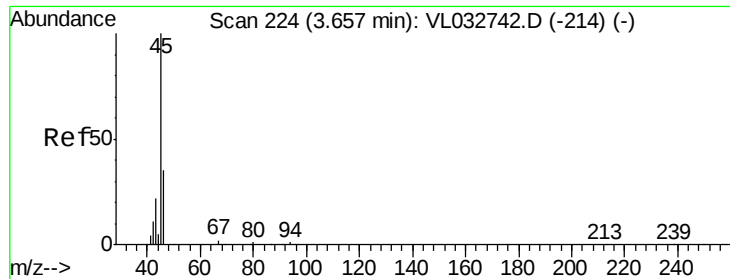
42 55.3 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 6.461 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032763.D

Acq: 14 Nov 2018 17:45

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 45 Resp: 104707

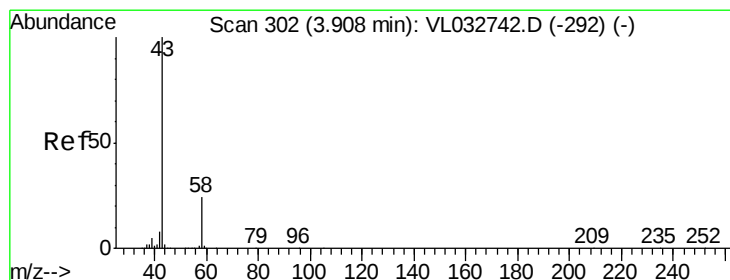
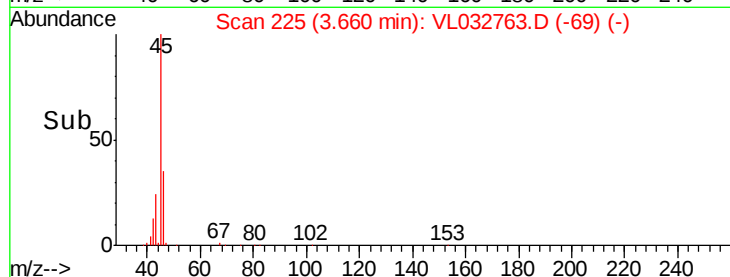
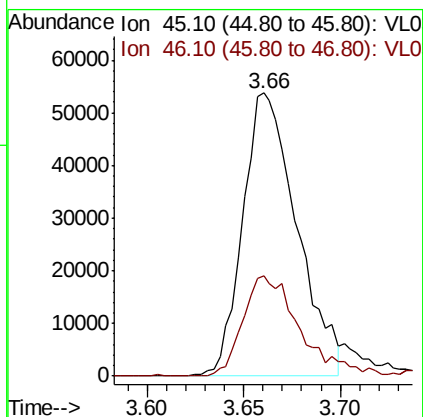
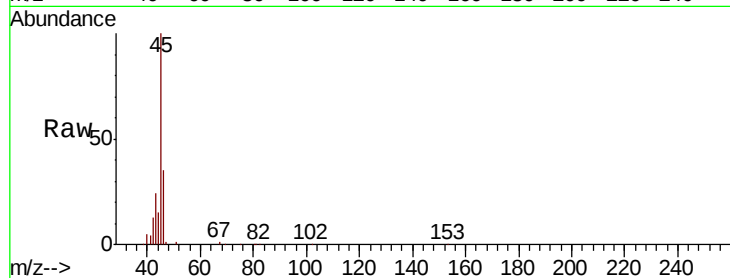
Ion Ratio Lower Upper

45 100

46 37.3 14.5 57.9

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#15

Acetone

Concen: 0.756 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL032763.D

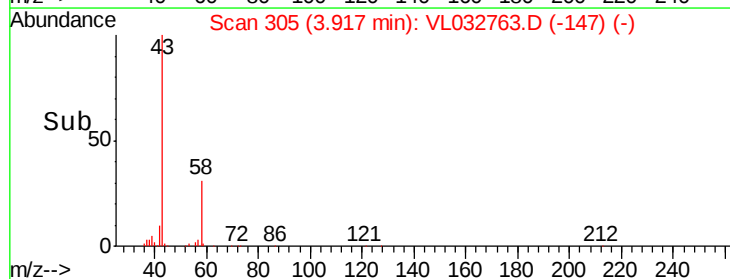
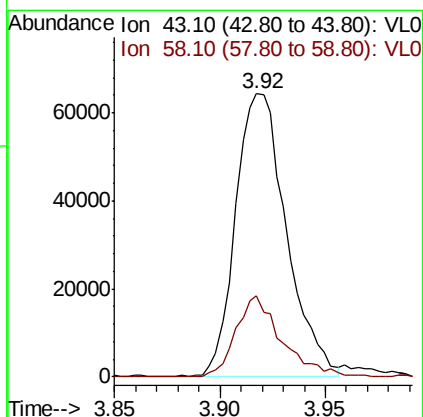
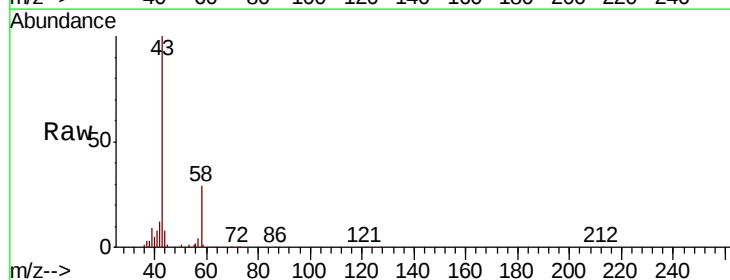
Acq: 14 Nov 2018 17:45

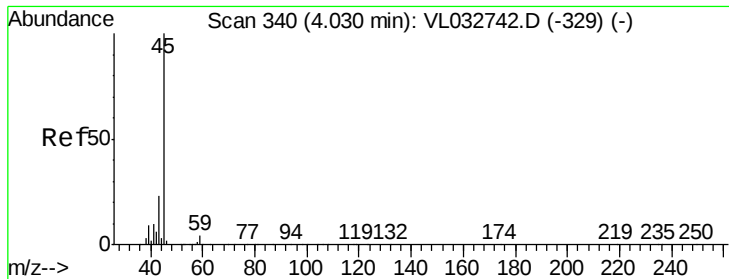
Tgt Ion: 43 Resp: 107616

Ion Ratio Lower Upper

43 100

58 26.0 21.1 31.7





#19

Isopropyl Alcohol

Concen: 0.170 ppbv m

RT: 4.06 min Scan# 349

Delta R.T. 0.03 min

Lab File: VL032763.D

Acq: 14 Nov 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 45 Resp: 16110

Ion Ratio Lower Upper

45 100

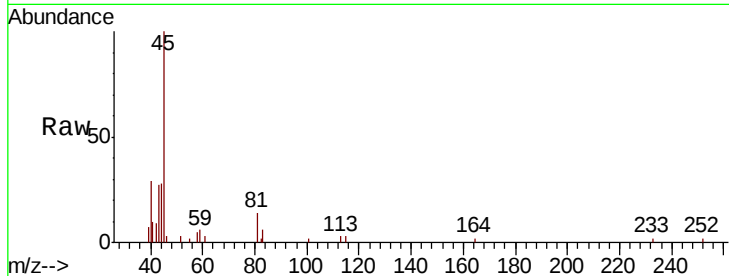
58 0.0 1.4 2.0#

Manual Integrations

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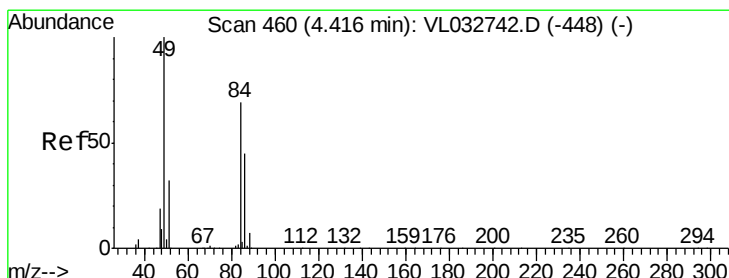
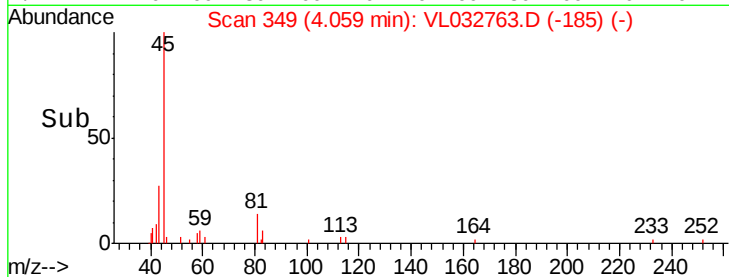
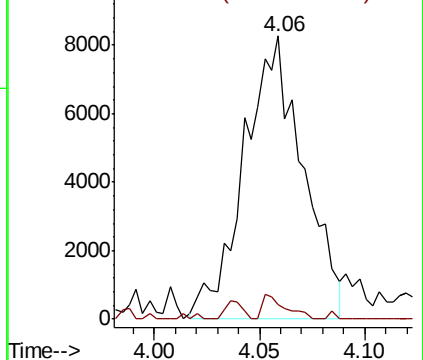
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.405 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL032763.D

Acq: 14 Nov 2018 17:45

Tgt Ion: 84 Resp: 29845

Ion Ratio Lower Upper

84 100

49 173.5 115.8 173.6

51 46.7 36.9 55.3

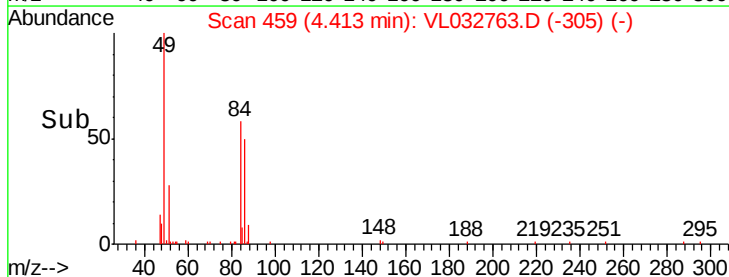
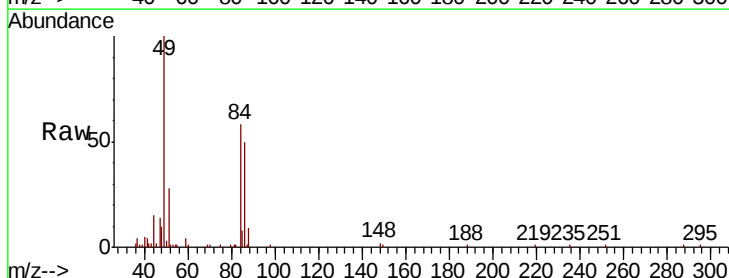
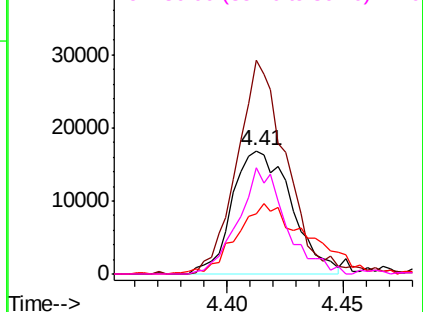
86 86.8 52.4 78.6#

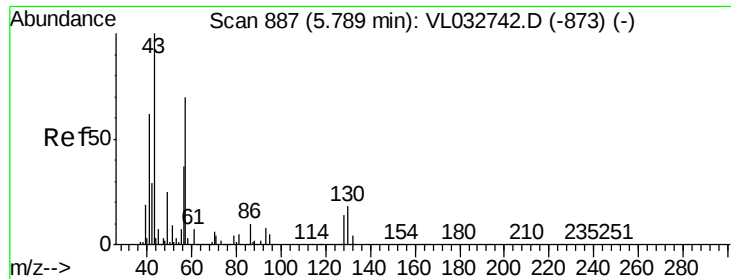
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





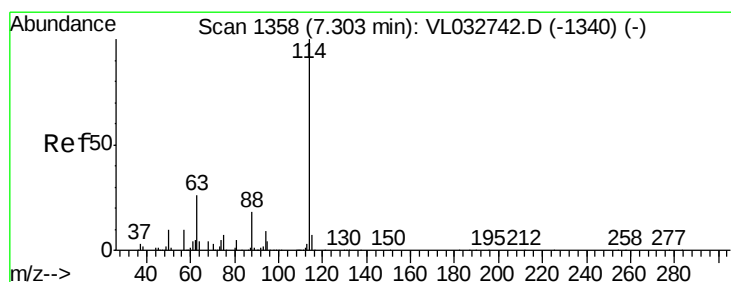
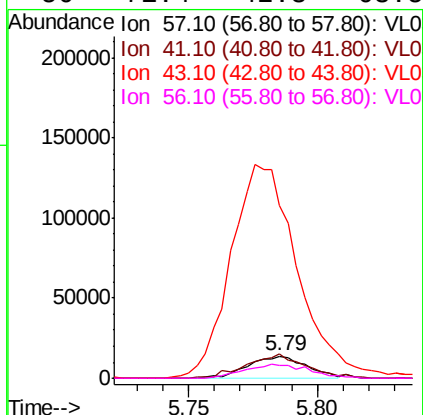
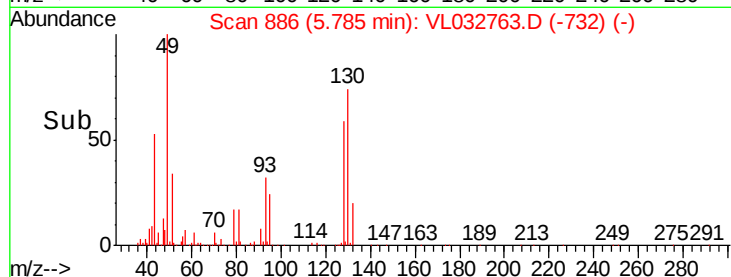
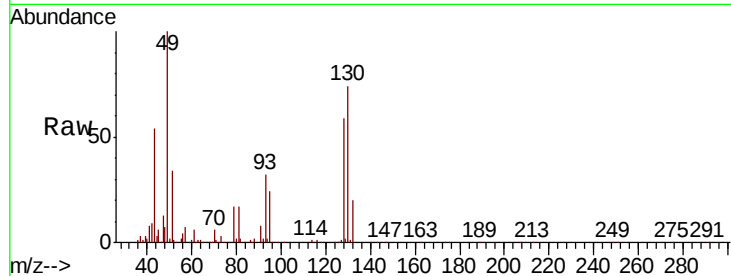
#26
Hexane
Concen: 0.146 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032763.D
Acq: 14 Nov 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion: 57 Resp: 21541
Ion Ratio Lower Upper
57 100
41 114.3 70.3 105.5#
43 1145.9 174.0 261.0#
56 71.4 42.3 63.5#

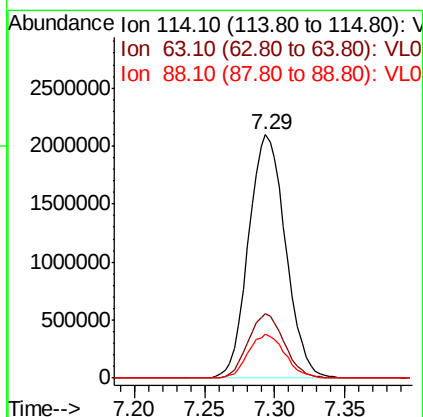
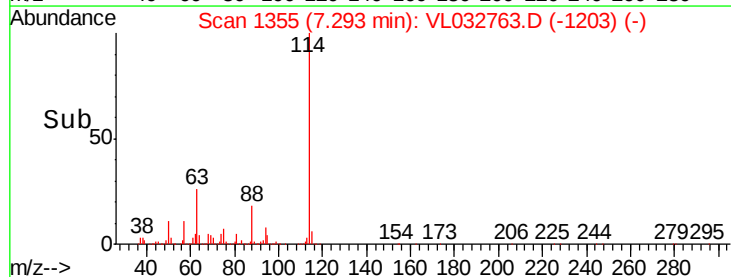
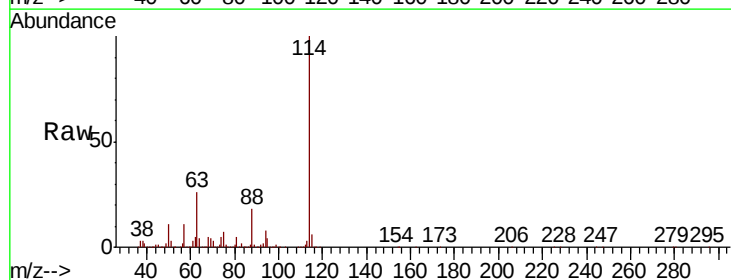
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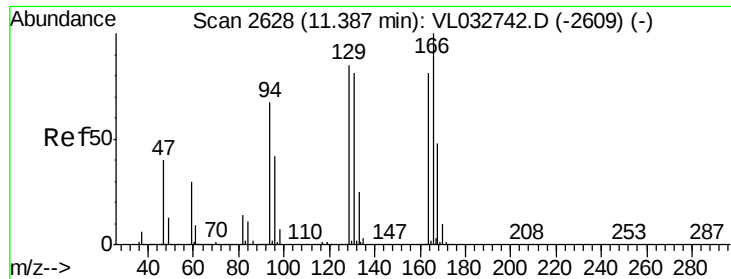
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032763.D
Acq: 14 Nov 2018 17:45

Tgt Ion: 114 Resp: 3849542
Ion Ratio Lower Upper
114 100
63 26.0 20.9 31.3
88 17.9 14.4 21.6





#52

Tetrachloroethene

Concen: 0.519 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL032763.D

Acq: 14 Nov 2018 17:45

Instrument :

MSVOA_L

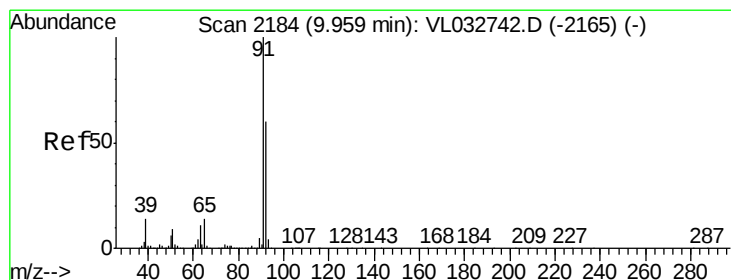
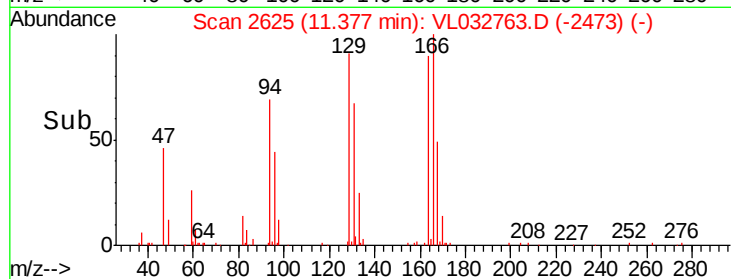
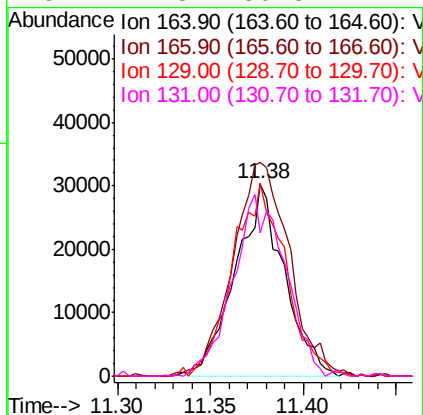
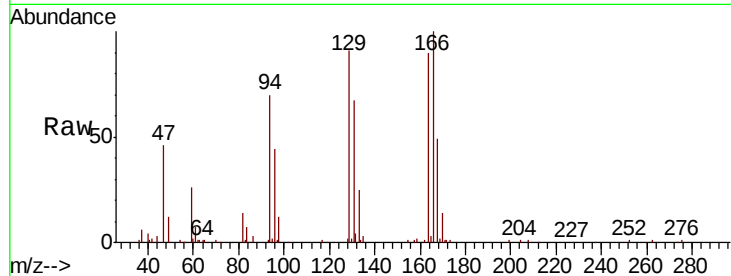
ClientSampled :

IA1DL

Tot Ion:	164	Resp:	55332
Ion	Ratio	Lower	Upper
164	100		
166	108.7	99.3	148.9
129	102.6	83.9	125.9
131	77.3	80.8	121.2#

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#53

Toluene

Concen: 0.114 ppbv

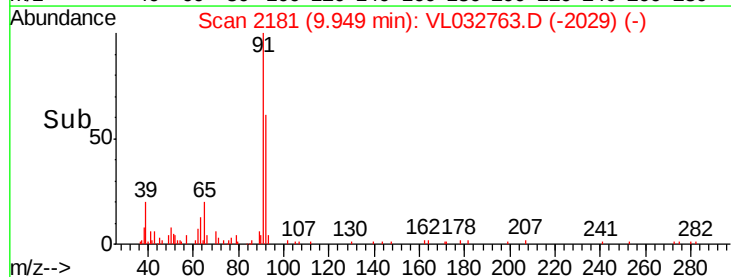
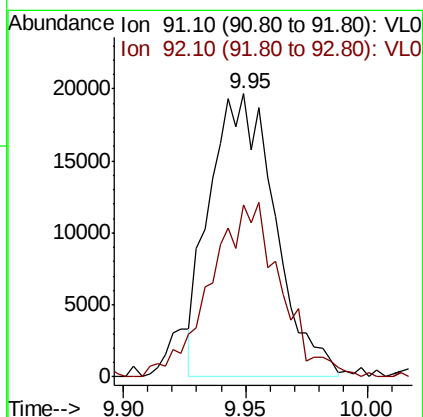
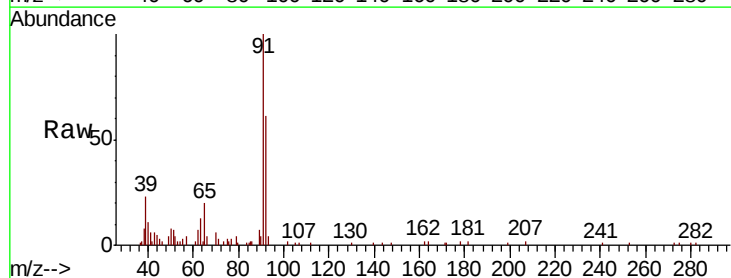
RT: 9.95 min Scan# 2181

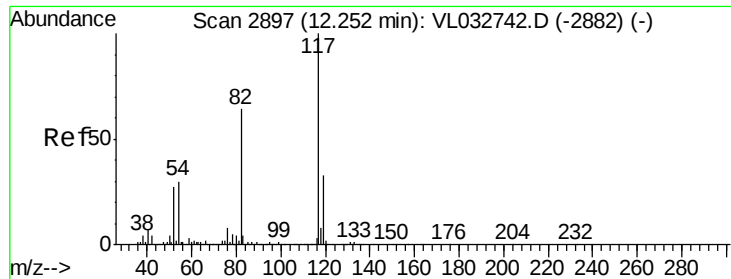
Delta R.T. -0.01 min

Lab File: VL032763.D

Acq: 14 Nov 2018 17:45

Tgt Ion:	91	Resp:	36534
Ion	Ratio	Lower	Upper
91	100		
92	66.3	47.9	71.9





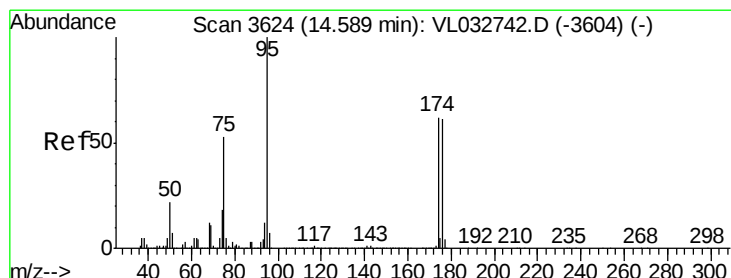
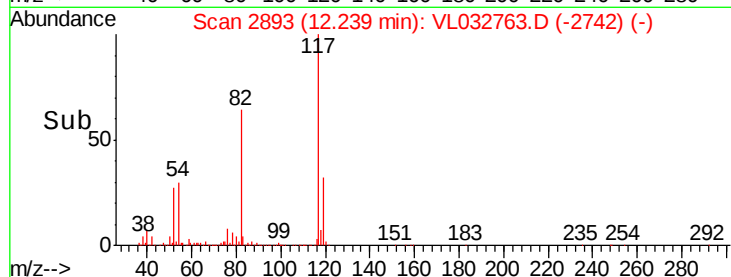
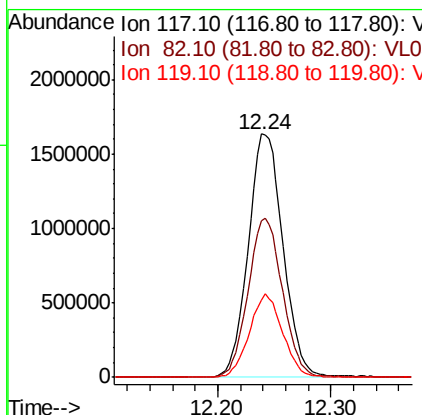
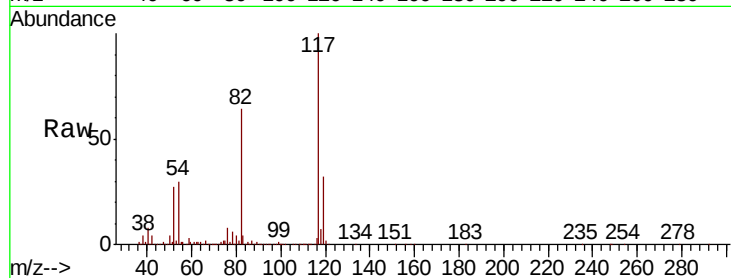
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL032763.D
Acq: 14 Nov 2018 17:45

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion:117 Resp: 3495540
Ion Ratio Lower Upper
117 100
82 65.0 51.0 76.6
119 32.8 28.0 42.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.038 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032763.D
Acq: 14 Nov 2018 17:45

Tgt Ion: 95 Resp: 2624394
Ion Ratio Lower Upper
95 100
174 62.8 50.7 76.1
175 4.5 3.8 5.6

