

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032969.D
 Acq On : 12 Dec 2018 00:35
 Operator : SY/AP
 Sample : J6338-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
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MMDadoda
 12/13/2018 7:58:50 AM

Quant Time: Dec 12 02:27:57 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	1324487	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3297114	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3019647	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2159125	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	1014321	74.275	ppbv	96
15) Acetone	3.92	43	54988	0.484	ppbv #	90
20) Methylene Chloride	4.42	84	84266	1.517	ppbv	91
26) Hexane	5.79	57	36611	0.295	ppbv #	57
34) 2-Butanone	5.34	43	22982	0.160	ppbv	97
52) Tetrachloroethene	11.38	164	116303m	1.318	ppbv	
53) Toluene	9.95	91	19301m	0.075	ppbv	

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

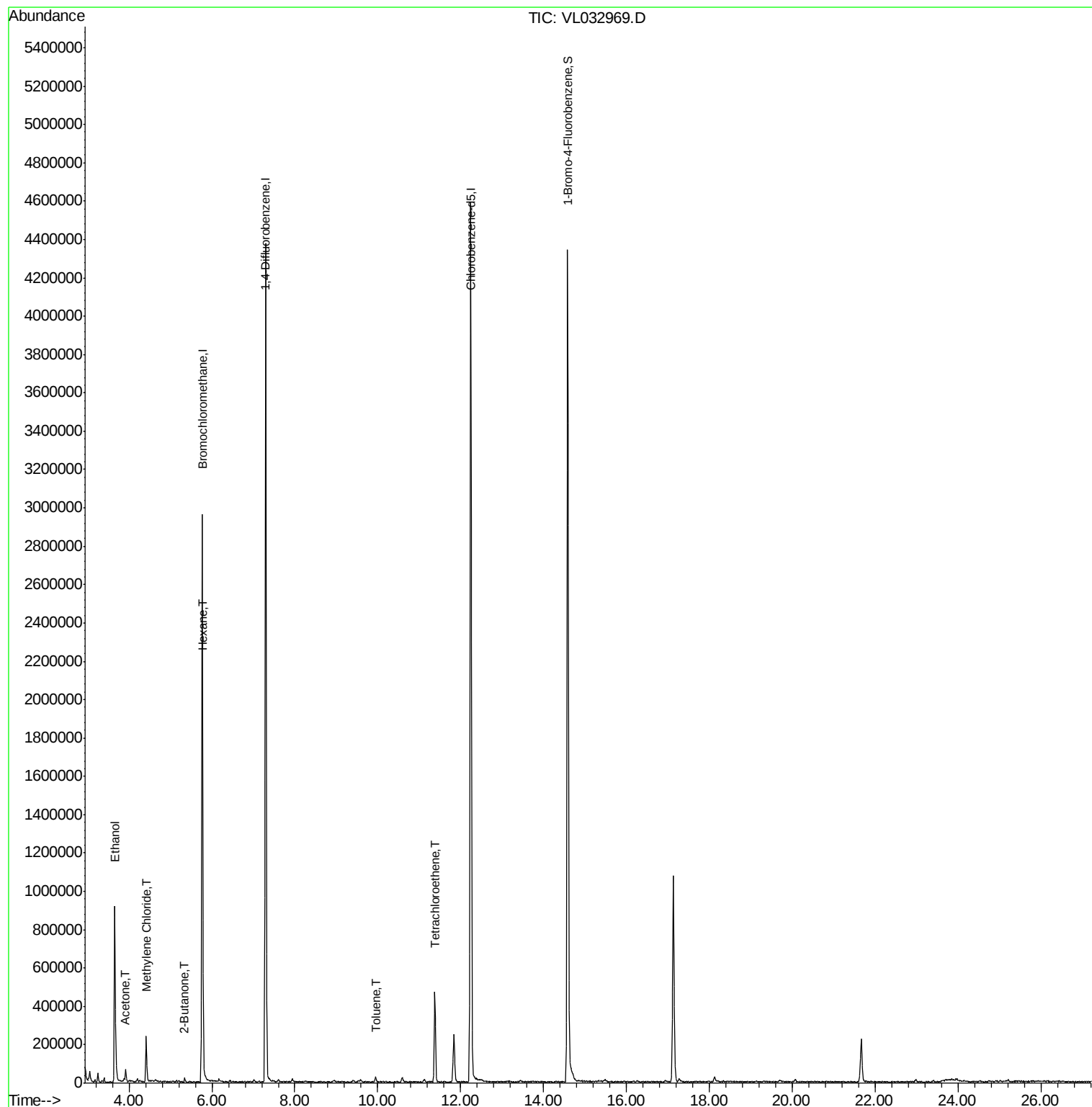
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032969.D
Acq On : 12 Dec 2018 00:35
Operator : SY/AP
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Misc : 400ml/MSVOA L
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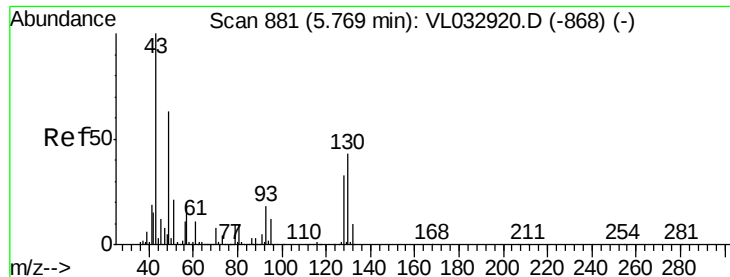
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
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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: VL032969.D

Acq: 12 Dec 2018 00:35

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 49 Resp: 1324487

Ion Ratio Lower Upper

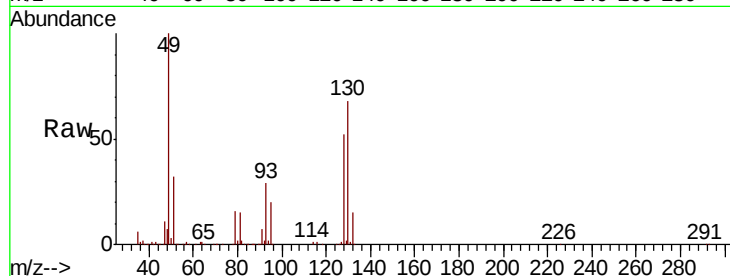
49 100

128 52.9 26.3 78.8

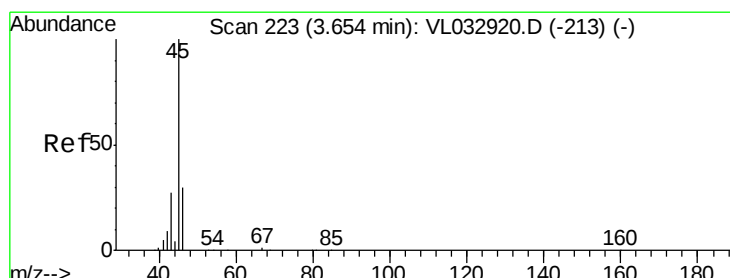
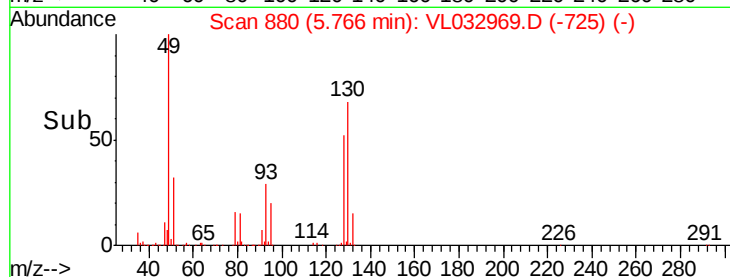
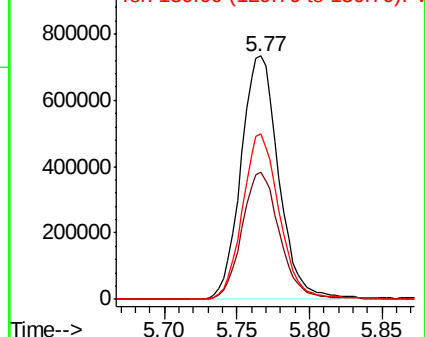
130 67.2 33.9 101.7

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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



#13

Ethanol

Concen: 74.275 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL032969.D

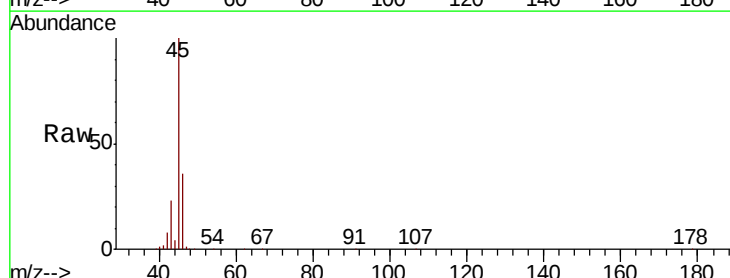
Acq: 12 Dec 2018 00:35

Tgt Ion: 45 Resp: 1014321

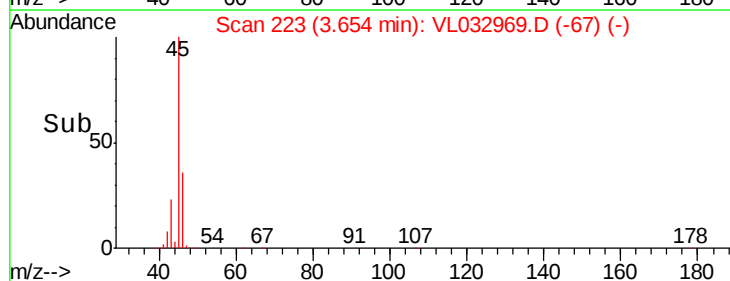
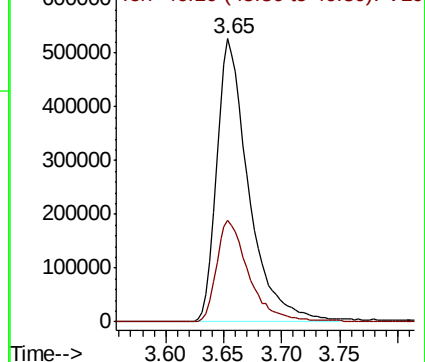
Ion Ratio Lower Upper

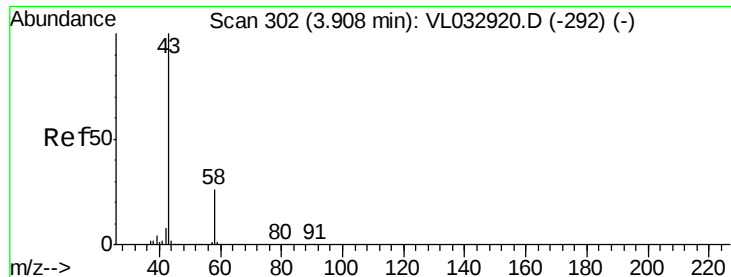
45 100

46 36.8 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





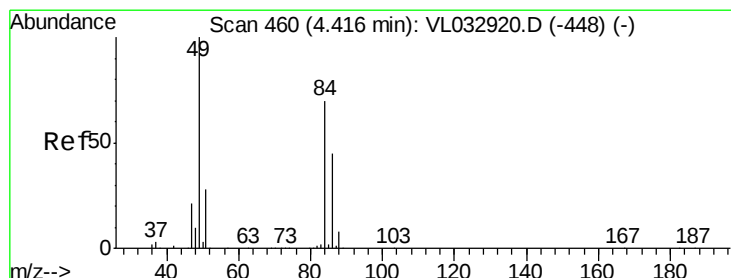
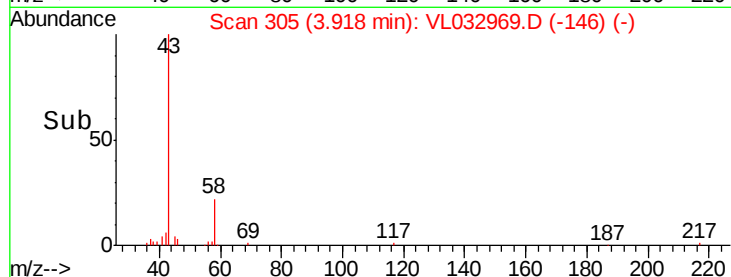
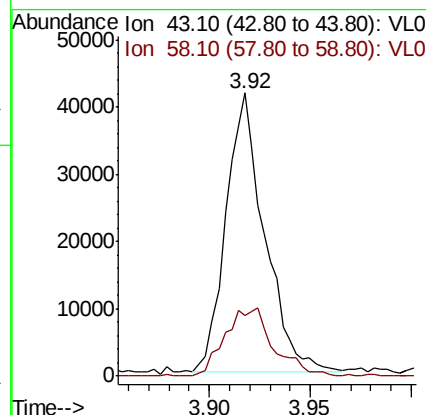
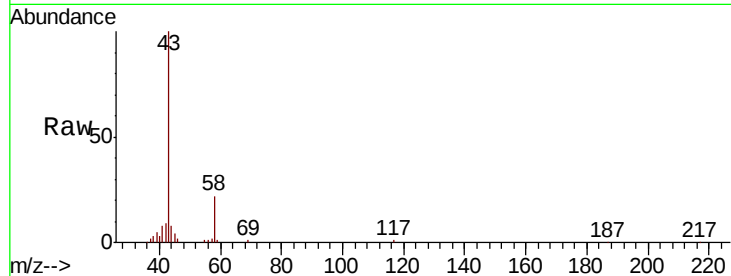
#15
Acetone
Concen: 0.484 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion: 43 Resp: 54988
Ion Ratio Lower Upper
43 100
58 31.0 20.6 30.8#

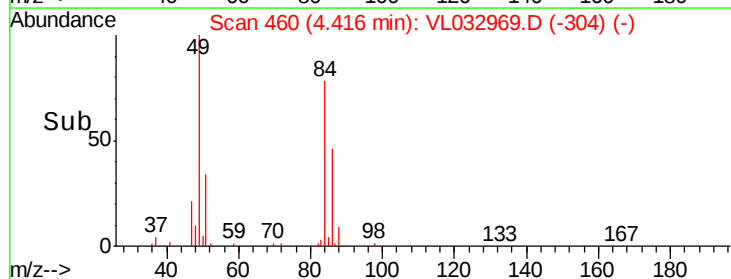
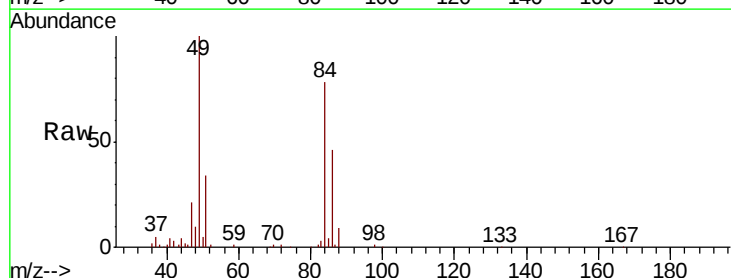
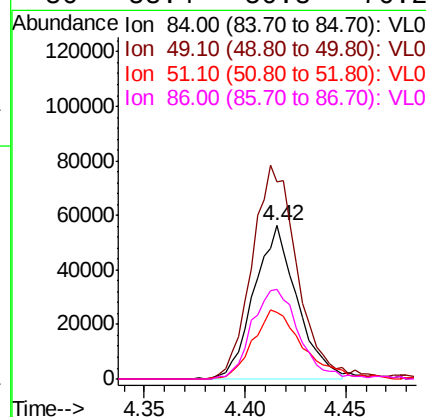
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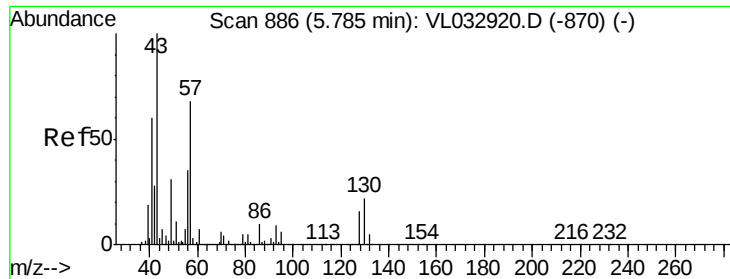
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#20
Methylene Chloride
Concen: 1.517 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Tgt Ion: 84 Resp: 84266
Ion Ratio Lower Upper
84 100
49 128.2 113.8 170.8
51 43.1 31.8 47.8
86 58.4 50.8 76.2





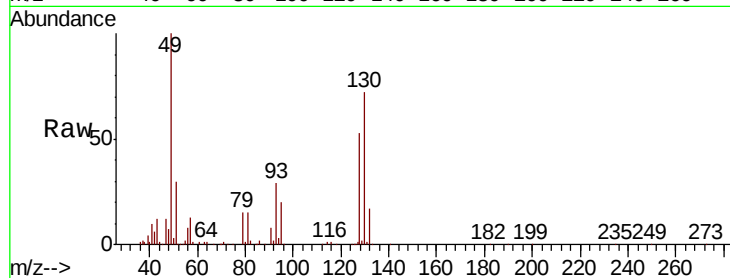
#26
Hexane
Concen: 0.295 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Instrument :
MSVOA_L
ClientSampleID :
IA2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	90.6	72.2	108.2
43	105.7	171.9	257.9#
56	58.7	42.2	63.2

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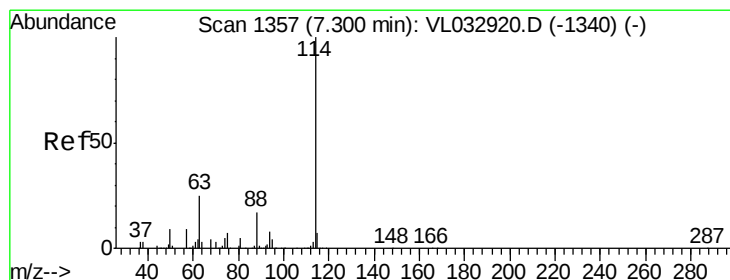
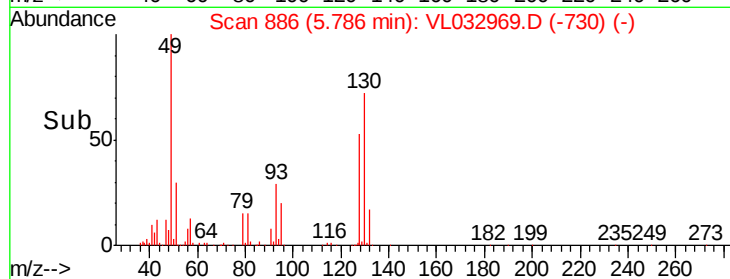
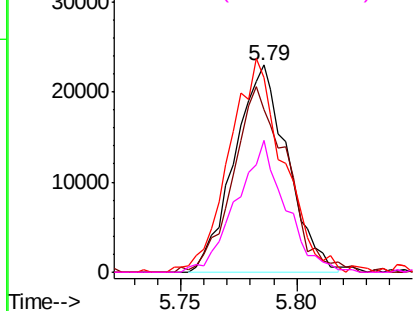
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

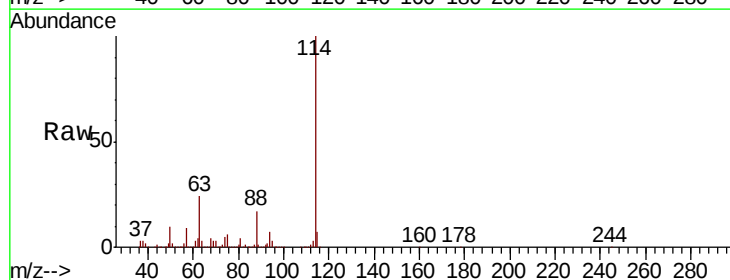
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	20.1	30.1
88	17.3	14.2	21.4

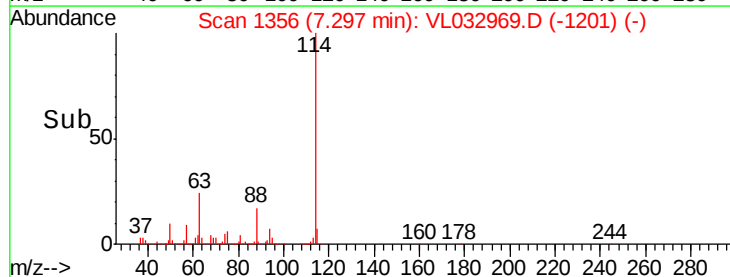
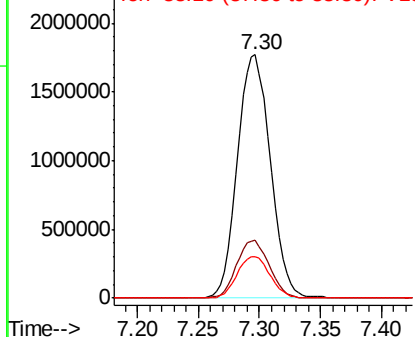


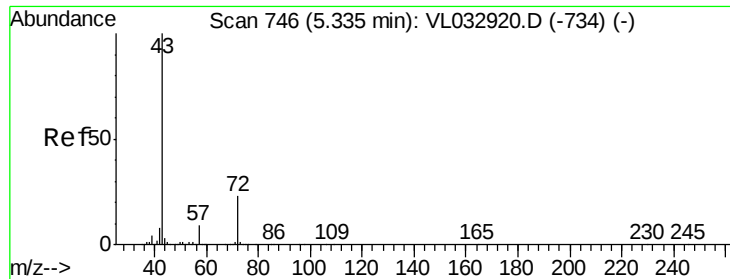
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





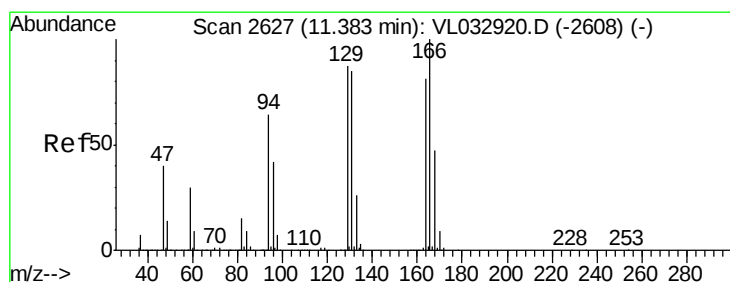
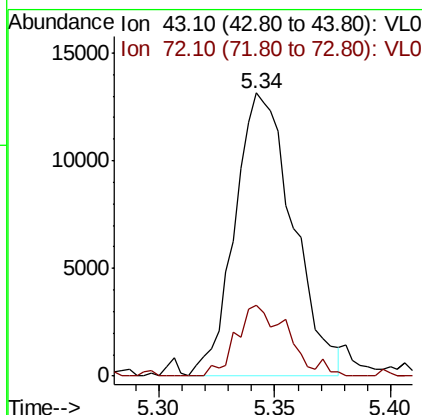
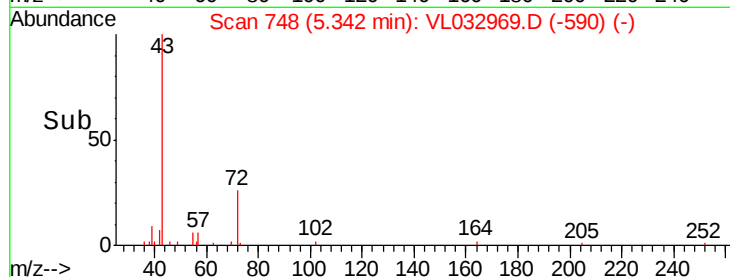
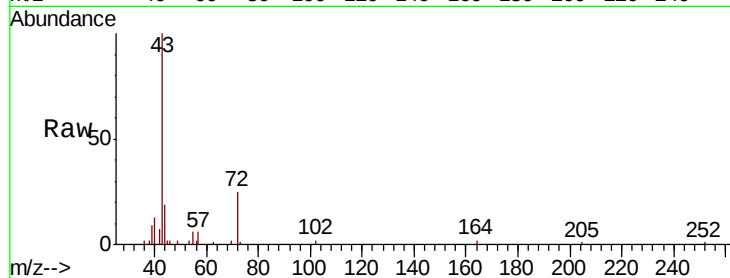
#34
2-Butanone
Concen: 0.160 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion: 43 Resp: 22982
Ion Ratio Lower Upper
43 100
72 22.1 18.8 28.2

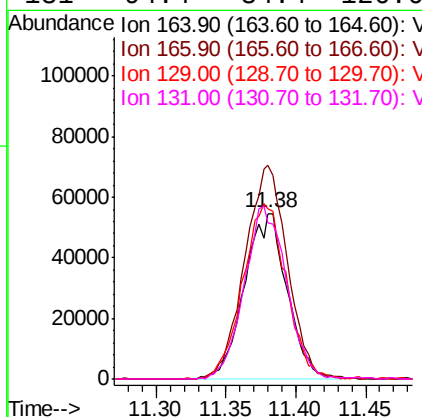
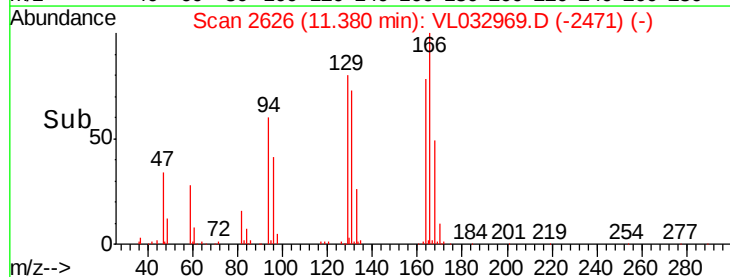
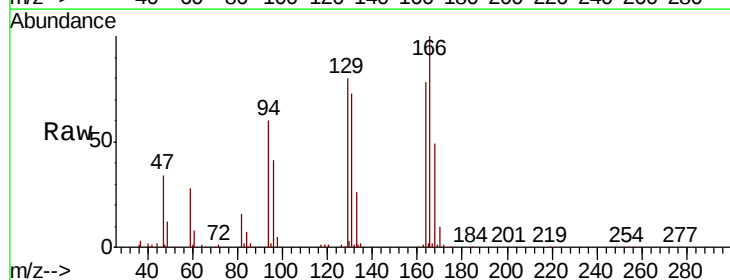
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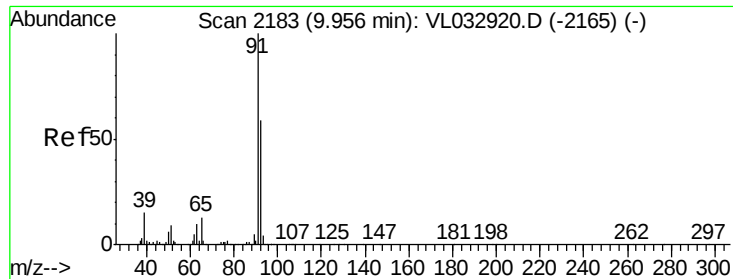
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#52
Tetrachloroethene
Concen: 1.318 ppbv m
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Tgt Ion:164 Resp: 116303
Ion Ratio Lower Upper
164 100
166 128.9 98.8 148.2
129 102.5 85.5 128.3
131 94.4 84.4 126.6





#53

Toluene

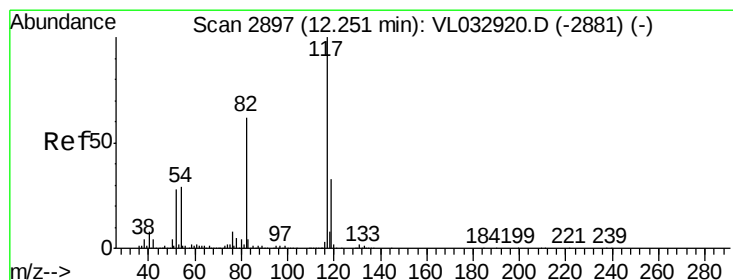
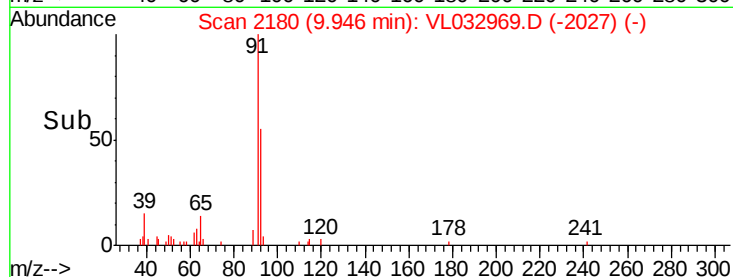
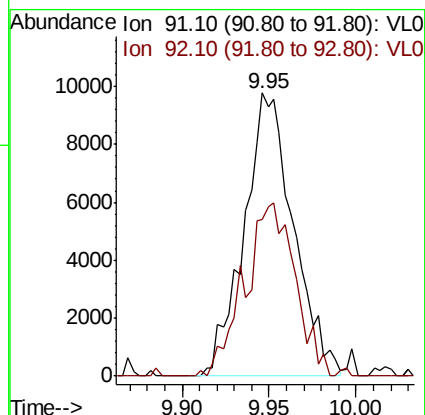
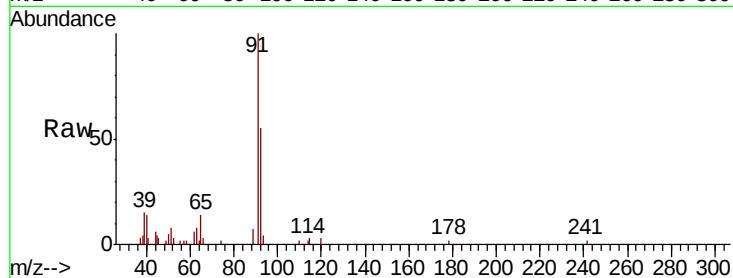
Concen: 0.075 ppbv m
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion: 91 Resp: 19301
Ion Ratio Lower Upper
91 100
92 62.9 47.4 71.0

Manual Integrations
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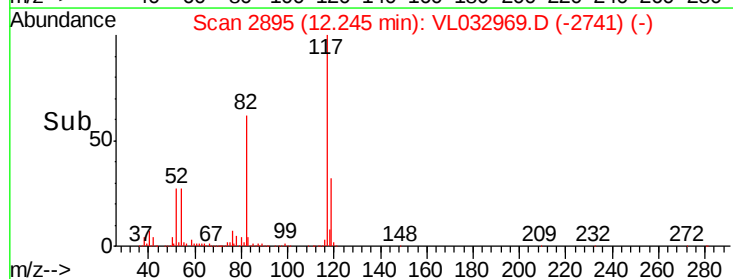
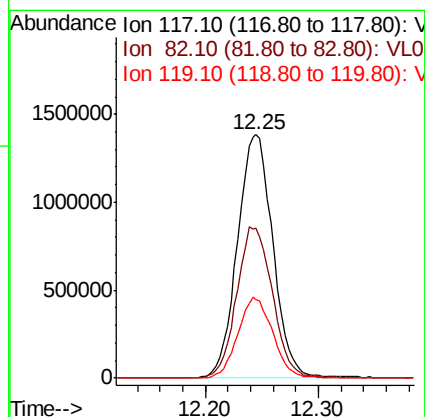
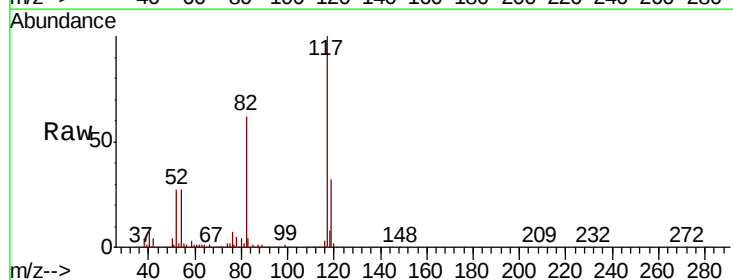


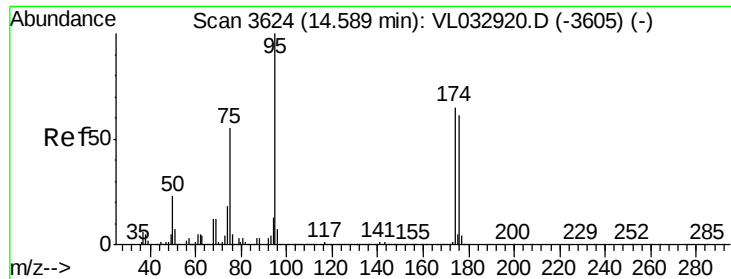
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032969.D
Acq: 12 Dec 2018 00:35

Tgt Ion: 117 Resp: 3019647
Ion Ratio Lower Upper
117 100
82 63.2 47.8 71.8
119 32.8 43.1 64.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.678 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032969.D
 Acq: 12 Dec 2018 00:35

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Tot Ion: 95 Resp: 2159125
 Ion Ratio Lower Upper
 95 100
 174 66.3 51.4 77.0
 175 4.8 3.8 5.6

Manual Integrations
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