

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032674.D
 Acq On : 19 Oct 2018 8:20
 Operator : SY/AP
 Sample : J5581-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Manual Integrations
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Quant Time: Oct 19 08:56:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1527261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3754272	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3682833	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2683095	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	23606	0.152	ppbv	90
3) Chlorodifluoromethane	3.03	51	33147m	0.278	ppbv	
13) Ethanol	3.67	45	103677	7.380	ppbv	99
15) Acetone	3.92	43	97009	0.688	ppbv	99
19) Isopropyl Alcohol	4.06	45	58194	0.579	ppbv #	95
20) Methylene Chloride	4.43	84	25624	0.358	ppbv	90
26) Hexane	5.80	57	30924	0.201	ppbv #	43
53) Toluene	9.96	91	44200	0.126	ppbv	95

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

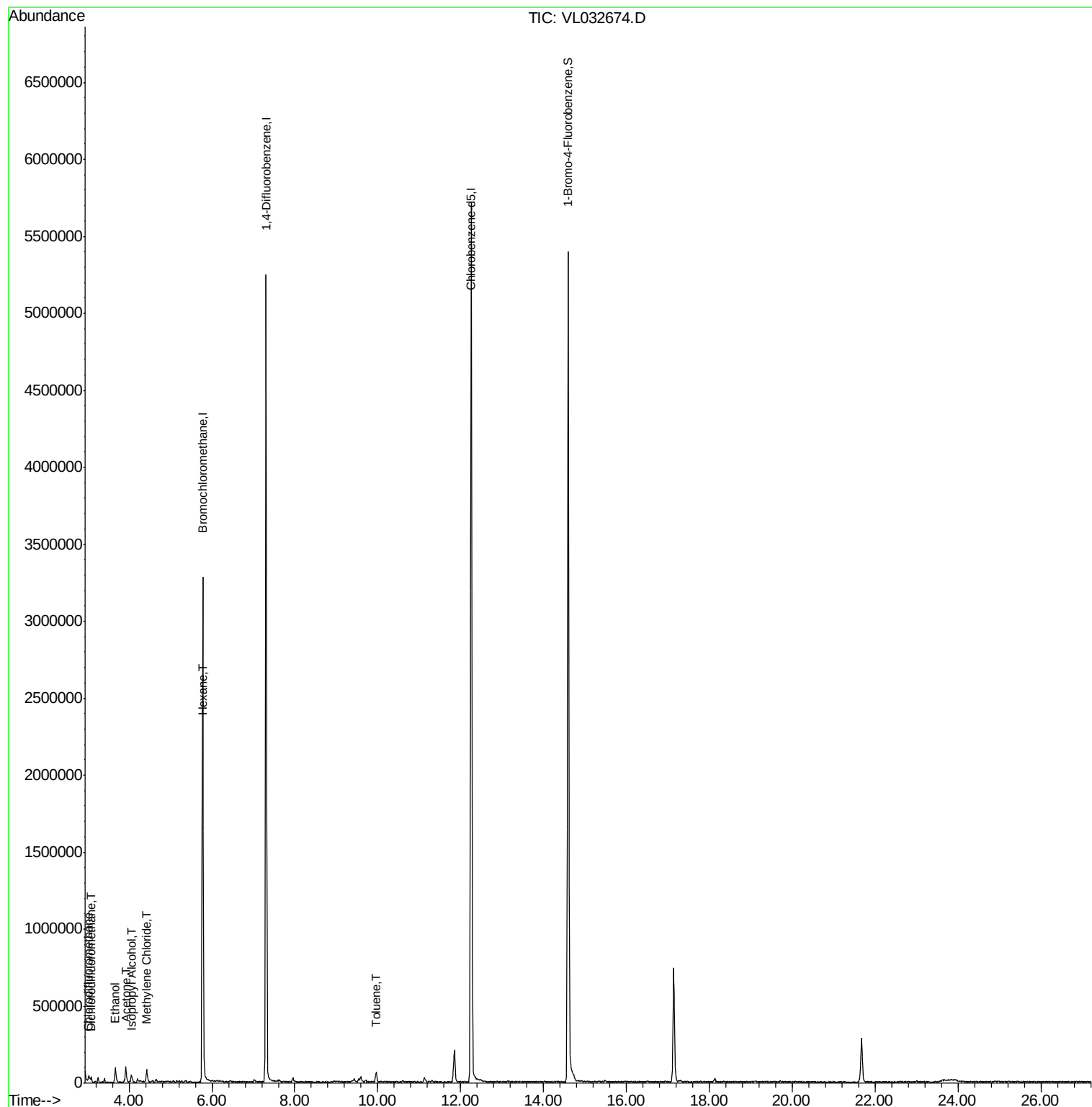
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101818\
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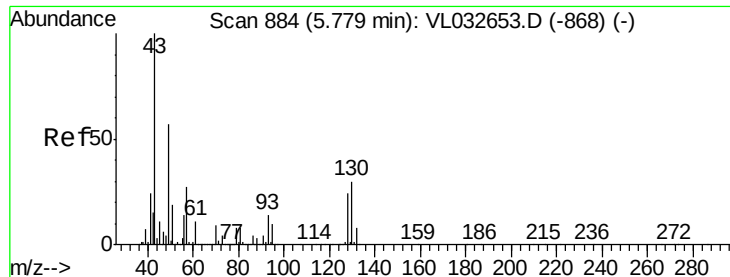
Instrument :
MSVOA_L
ClientSampleId :
A-3DL

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Quant Time: Oct 19 08:56:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032674.D

Acq: 19 Oct 2018 8:20

Instrument :

MSVOA_L

ClientSampled :

A-3DL

Tot Ion: 49 Resp: 1527261

Ion Ratio Lower Upper

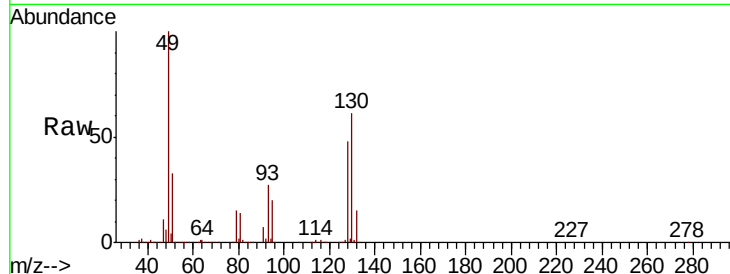
49 100

128 48.3 22.3 66.8

130 61.7 28.4 85.3

Manual Integrations
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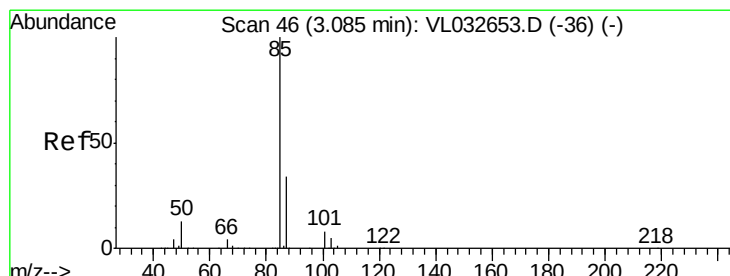
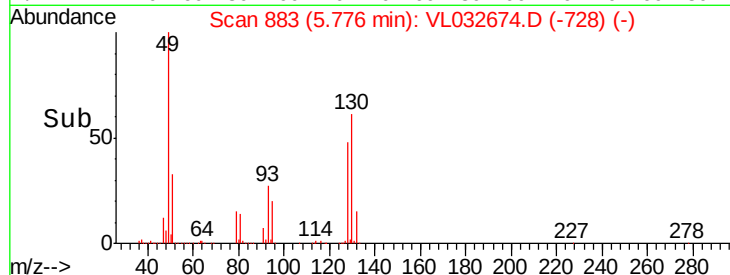
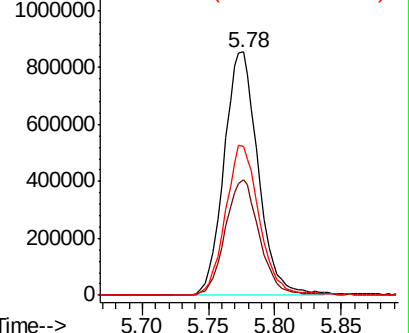
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.152 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032674.D

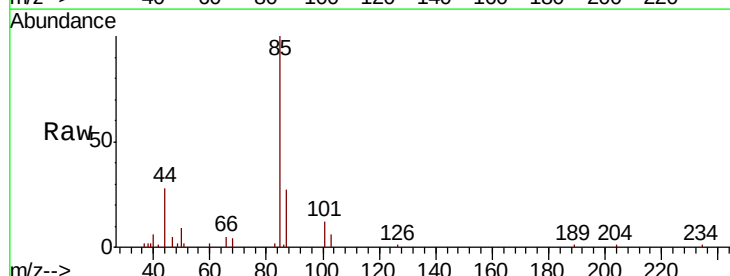
Acq: 19 Oct 2018 8:20

Tgt Ion: 85 Resp: 23606

Ion Ratio Lower Upper

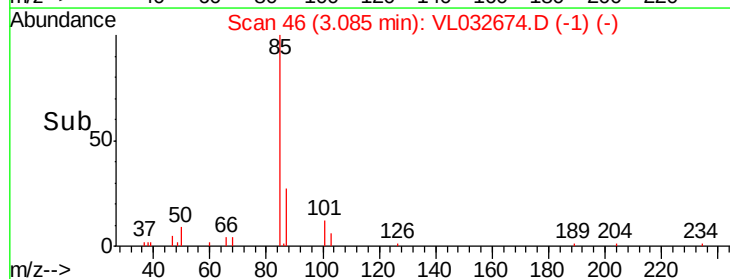
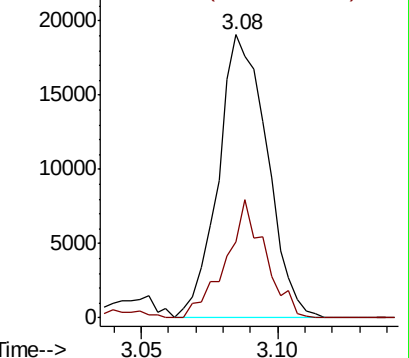
85 100

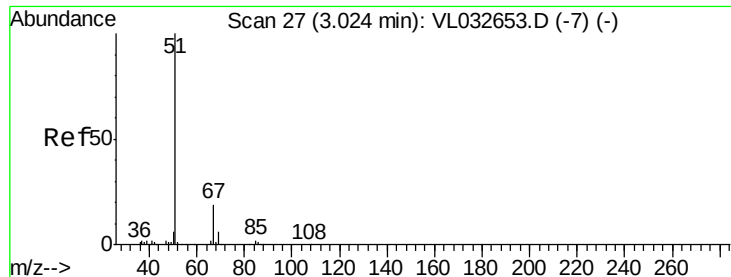
87 27.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.278 ppbv

RT: 3.03 min Scan# 28

Delta R.T. 0.00 min

Lab File: VL032674.D

Acq: 19 Oct 2018 8:20

Instrument :

MSVOA_L

ClientSampled :

A-3DL

Tot Ion: 51 Resp: 33147

Ion Ratio Lower Upper

51 100

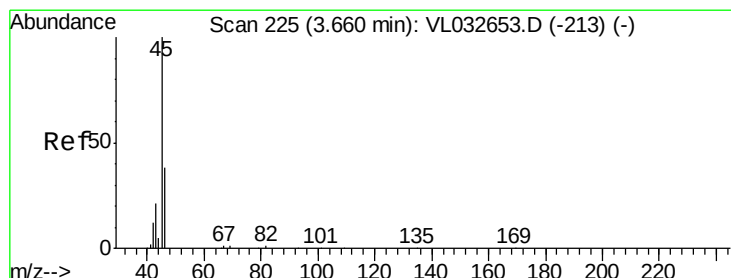
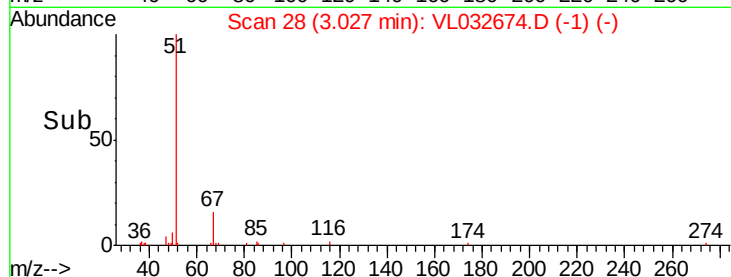
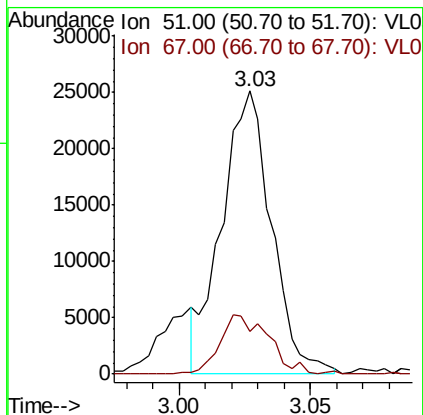
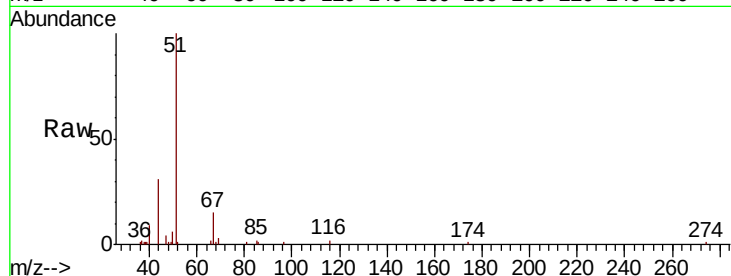
67 20.8 15.2 22.8

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#13

Ethanol

Concen: 7.380 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.01 min

Lab File: VL032674.D

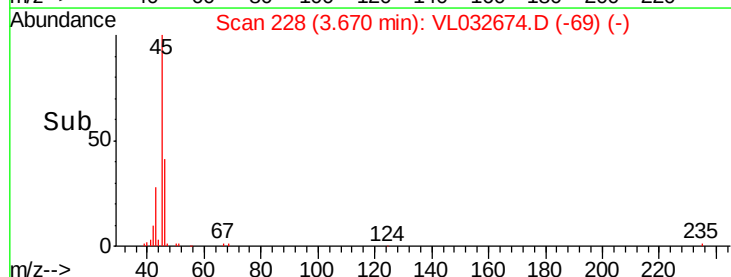
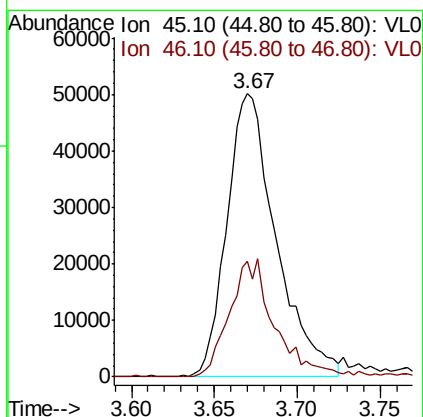
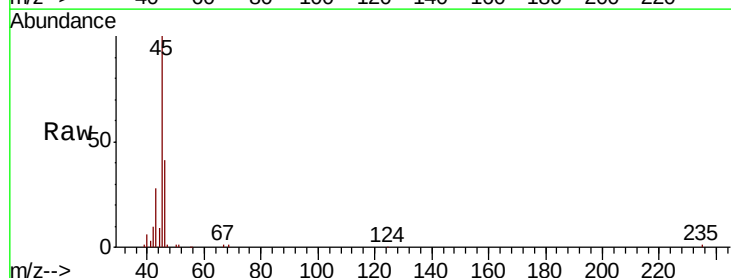
Acq: 19 Oct 2018 8:20

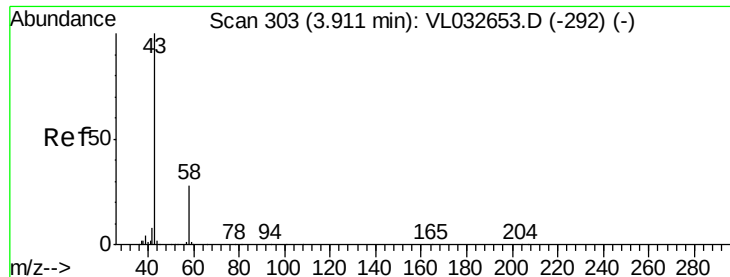
Tgt Ion: 45 Resp: 103677

Ion Ratio Lower Upper

45 100

46 39.2 15.4 61.8





#15

Acetone

Concen: 0.688 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032674.D

Acq: 19 Oct 2018 8:20

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

Tot Ion: 43 Resp: 97009

Ion Ratio Lower Upper

43 100

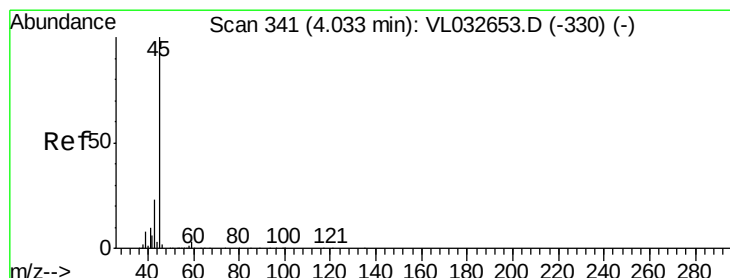
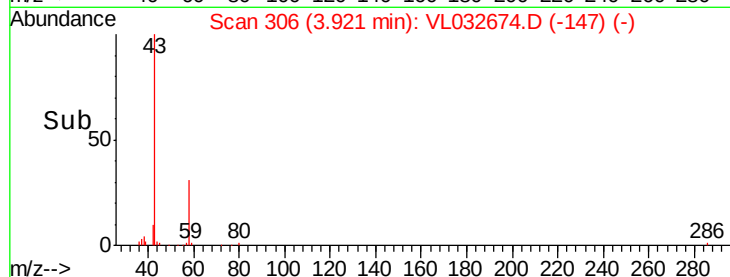
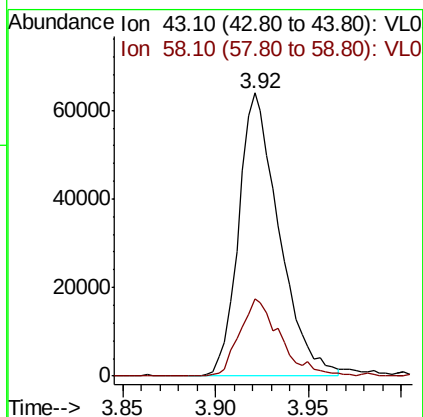
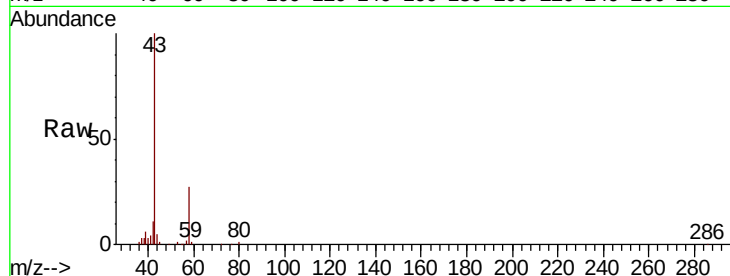
58 27.9 22.1 33.1

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#19

Isopropyl Alcohol

Concen: 0.579 ppbv

RT: 4.06 min Scan# 349

Delta R.T. 0.03 min

Lab File: VL032674.D

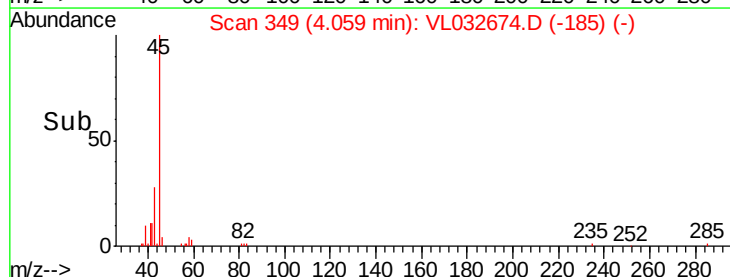
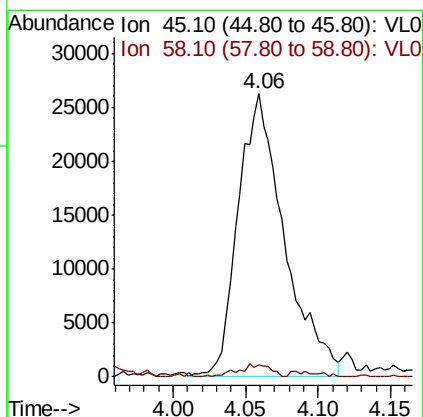
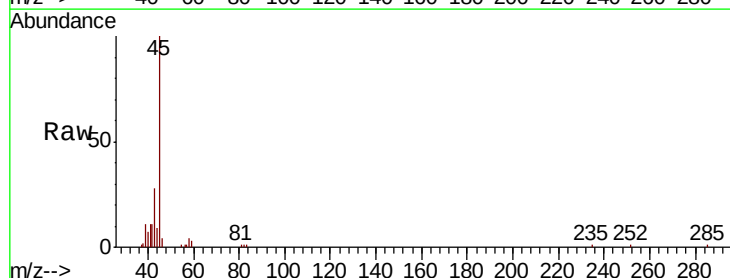
Acq: 19 Oct 2018 8:20

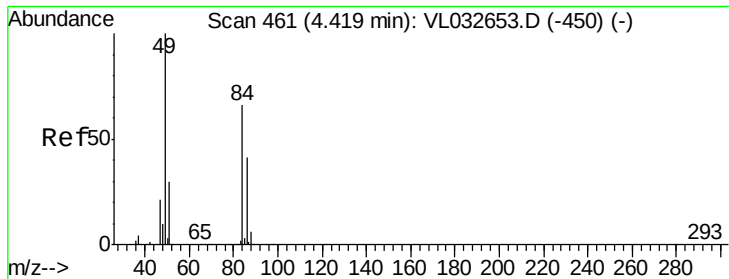
Tgt Ion: 45 Resp: 58194

Ion Ratio Lower Upper

45 100

58 4.3 2.0 3.0#





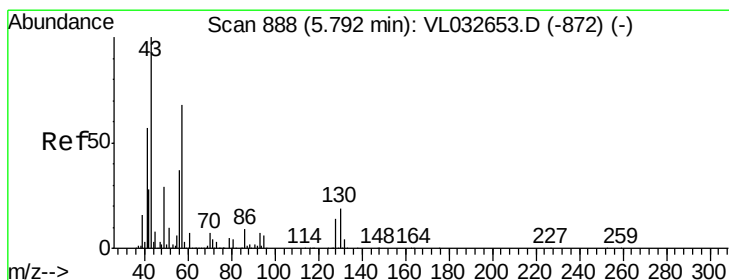
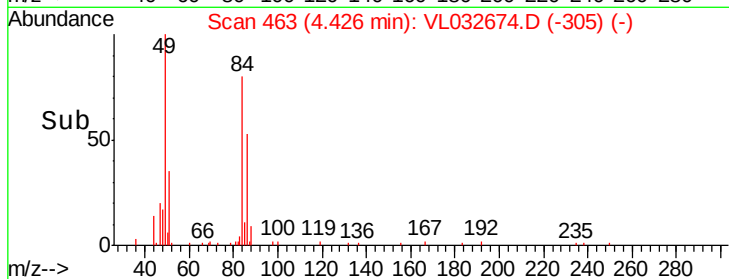
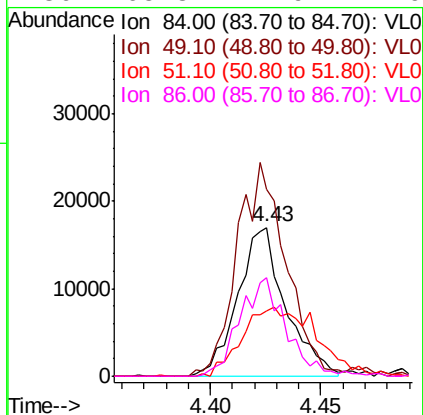
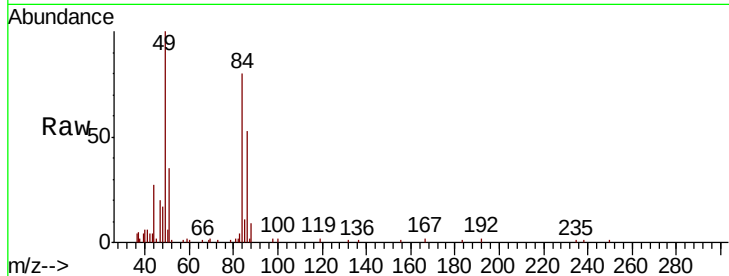
#20
Methvlene Chloride
Concen: 0.358 ppbv
RT: 4.43 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Instrument :
MSVOA_L
ClientSampled :
A-3DL

Tot Ion:	84	Resp:	25624
Ion	Ratio	Lower	Upper
84	100		
49	125.0	113.5	170.3
51	44.0	34.8	52.2
86	65.8	47.9	71.9

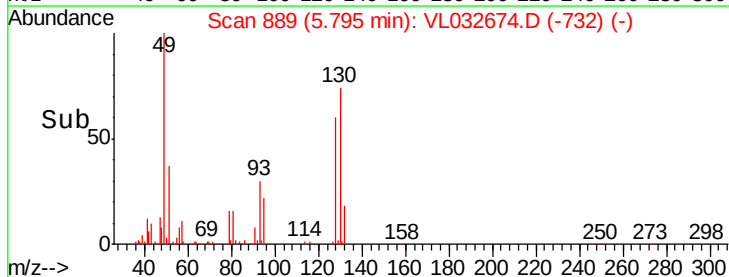
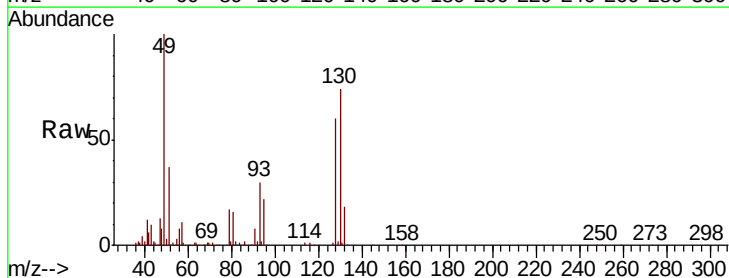
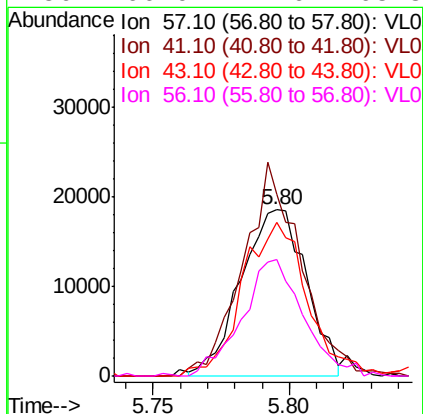
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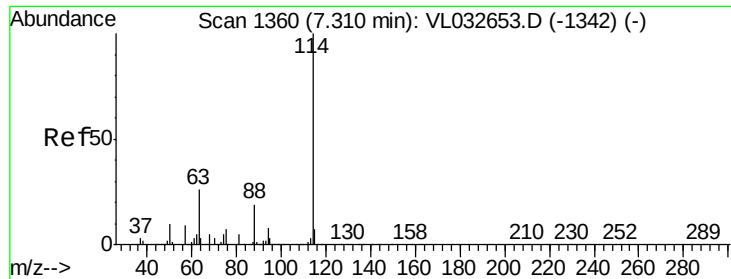
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#26
Hexane
Concen: 0.201 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Tgt Ion:	57	Resp:	30924
Ion	Ratio	Lower	Upper
57	100		
41	114.0	67.4	101.0#
43	93.5	171.9	257.9#
56	66.0	42.6	63.8#





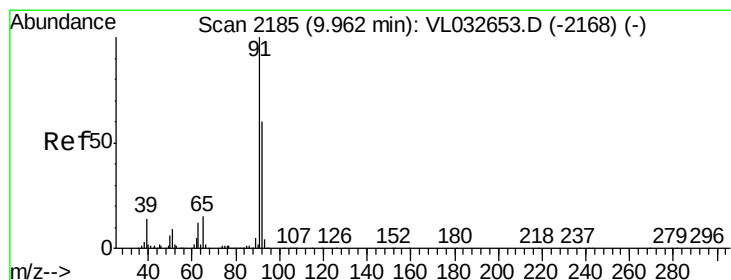
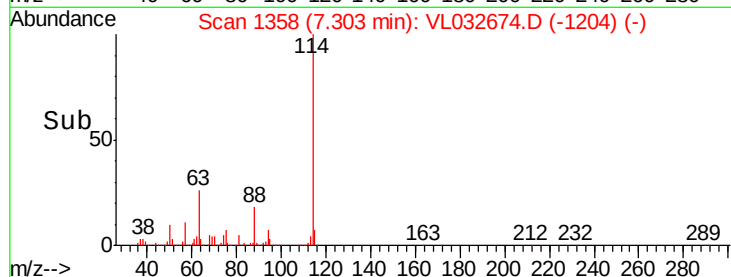
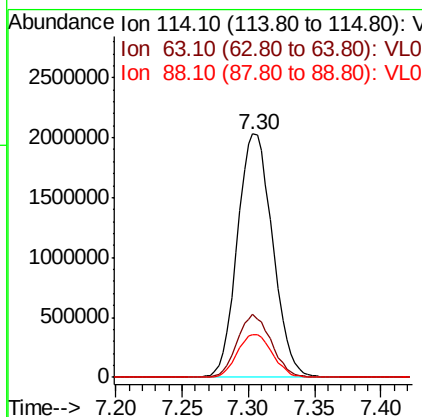
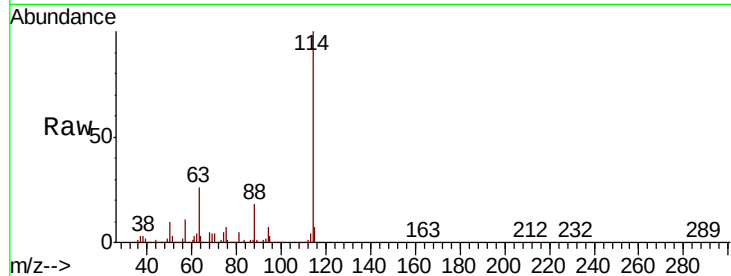
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032674.D
 Acq: 19 Oct 2018 8:20

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Tot Ion:114 Resp: 3754272
 Ion Ratio Lower Upper
 114 100
 63 25.1 21.7 32.5
 88 17.7 14.9 22.3

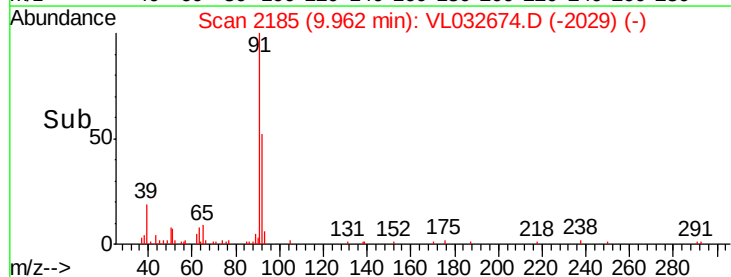
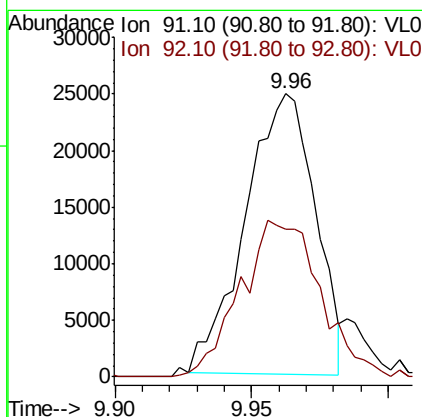
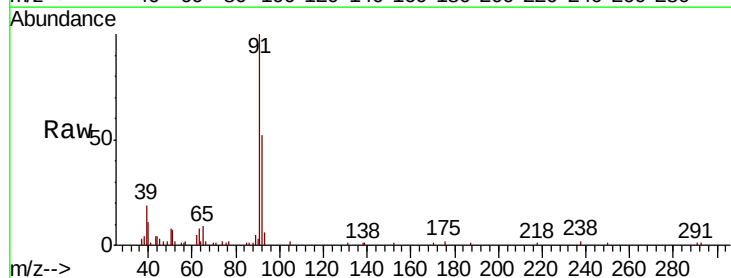
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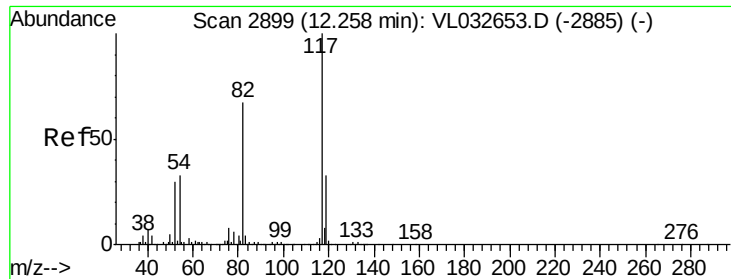
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#53
 Toluene
 Concen: 0.126 ppbv
 RT: 9.96 min Scan# 2185
 Delta R.T. 0.00 min
 Lab File: VL032674.D
 Acq: 19 Oct 2018 8:20

Tgt Ion: 91 Resp: 44200
 Ion Ratio Lower Upper
 91 100
 92 64.3 48.4 72.6





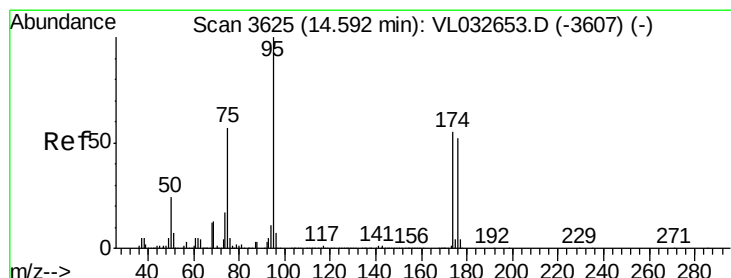
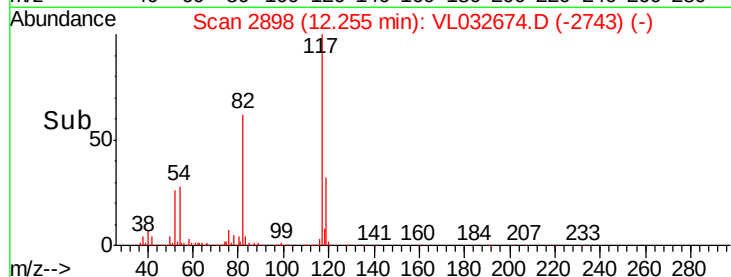
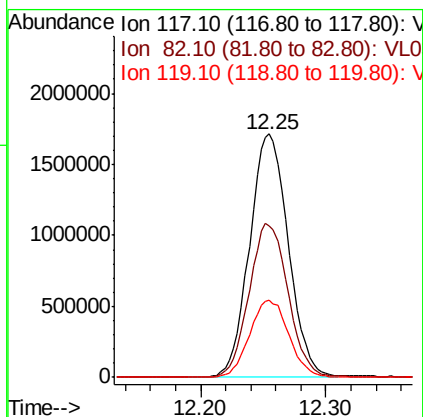
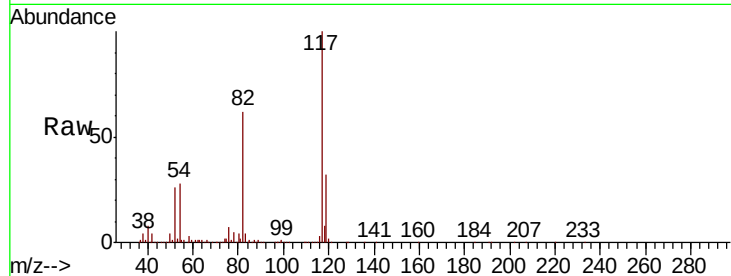
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Instrument :
MSVOA_L
ClientSampled :
A-3DL

Tot Ion:117 Resp: 3682833
Ion Ratio Lower Upper
117 100
82 64.3 52.7 79.1
119 32.1 26.7 40.1

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.785 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032674.D
Acq: 19 Oct 2018 8:20

Tgt Ion: 95 Resp: 2683095
Ion Ratio Lower Upper
95 100
174 64.8 46.0 69.0
175 4.7 3.4 5.0

