

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033506.D
 Acq On : 29 Mar 2019 17:33
 Operator : SY/AP
 Sample : K2042-18DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-2-MUSIC-RMDL

Manual Integrations
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MMDadoda
 4/1/2019 4:03:13 AM

Quant Time: Mar 30 02:18:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	745241	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1738476	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1756391	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.58	95	1370509	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	91921	9.859	ppbv	70
15) Acetone	3.91	43	137771	1.537	ppbv	99
19) Isopropyl Alcohol	4.04	45	15363	0.271	ppbv #	1
20) Methylene Chloride	4.41	84	41907m	1.102	ppbv	
26) Hexane	5.78	57	37799	0.511	ppbv #	41
53) Toluene	9.95	91	57155	0.337	ppbv	98

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

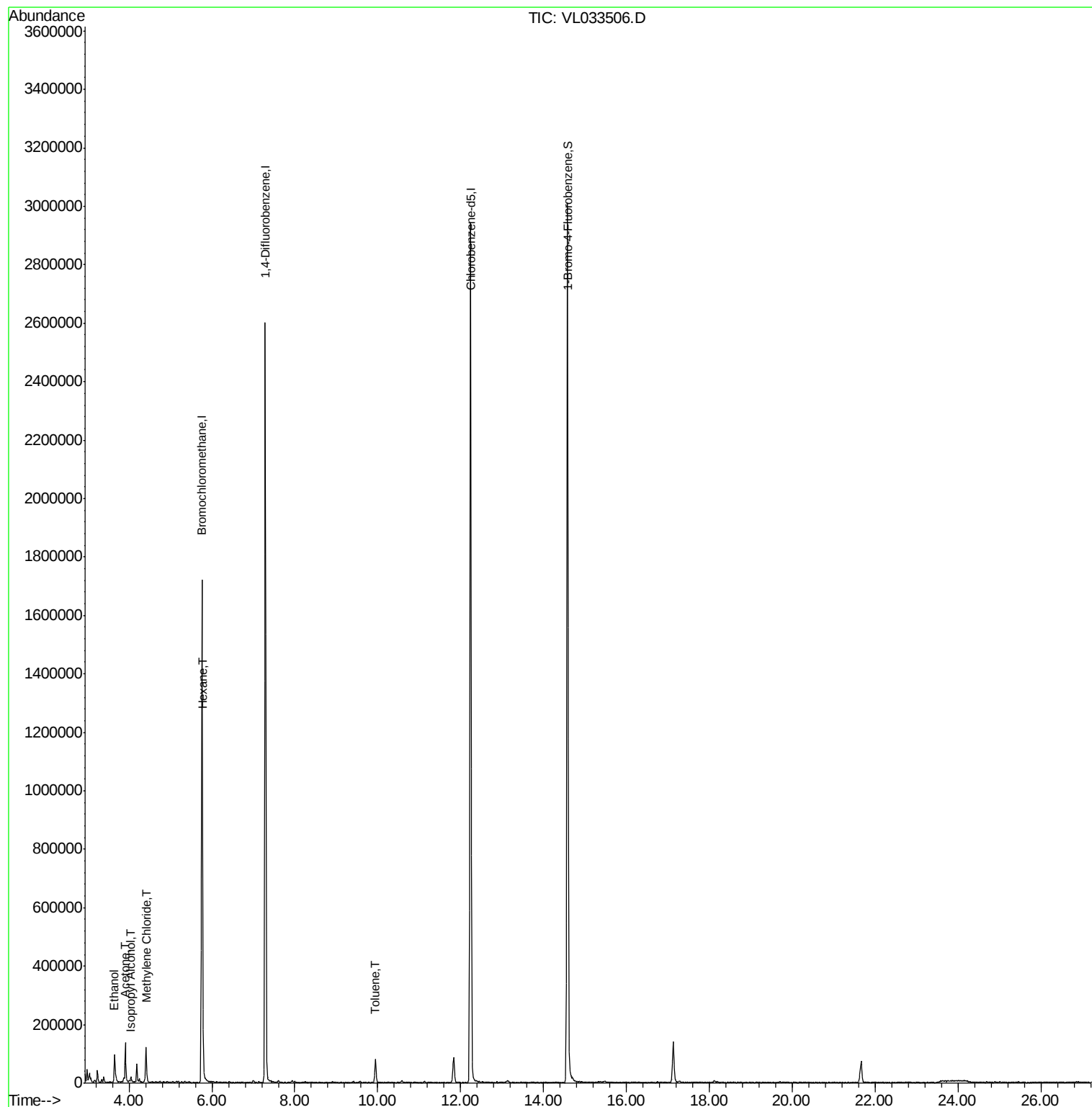
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Data File : VL033506.D
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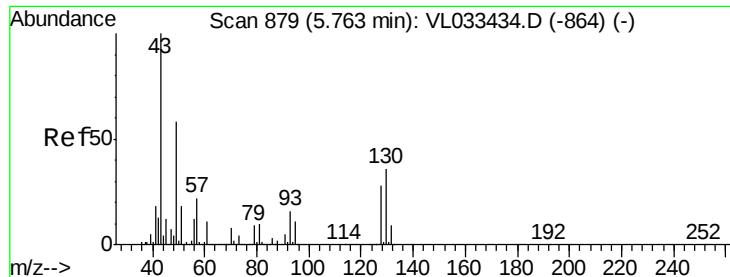
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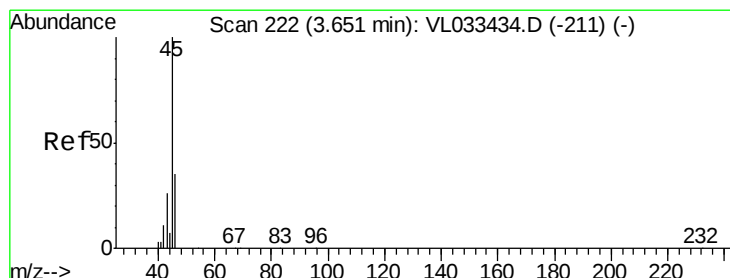
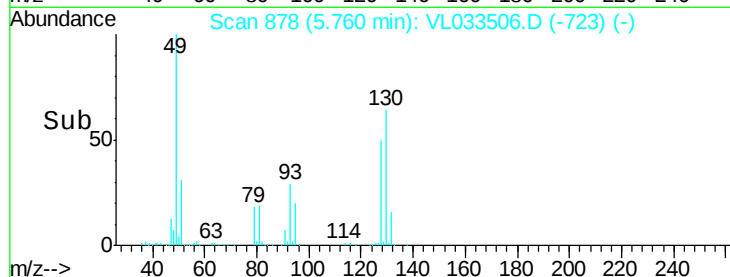
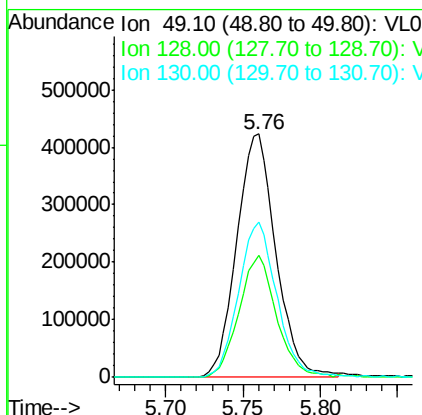
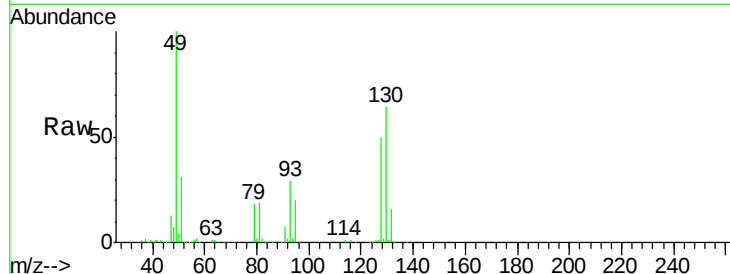
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033506.D
Acq: 29 Mar 2019 17:33

Instrument :
MSVOA_L
ClientSampleId :
IAS-2-MUSIC-RMDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.8	24.0	72.0
130	62.8	31.2	93.6

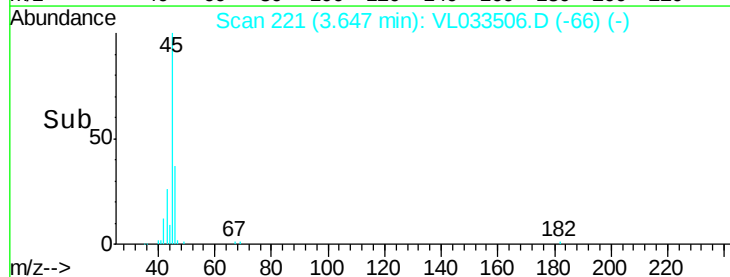
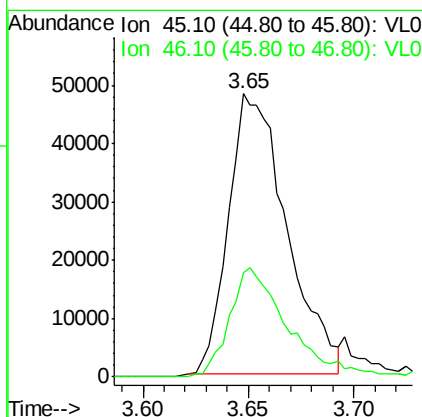
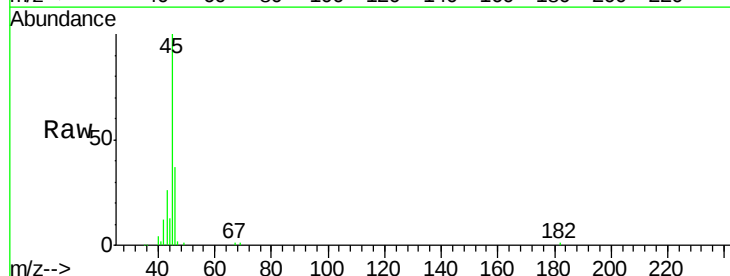
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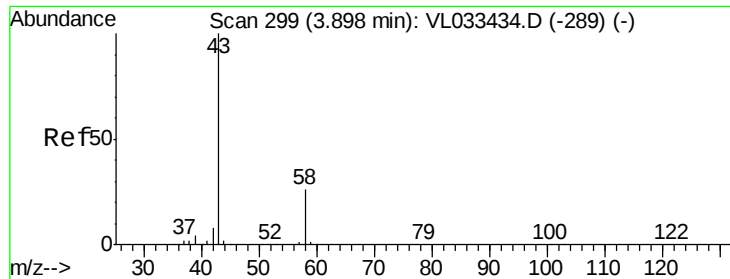
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#13
Ethanol
Concen: 9.859 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033506.D
Acq: 29 Mar 2019 17:33

Tgt Ion	Ratio	Lower	Upper
45	100		
46	39.9	25.4	101.8





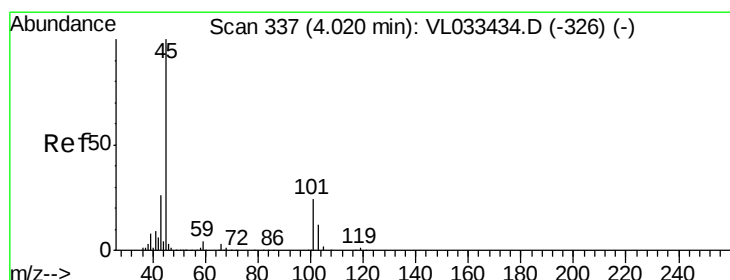
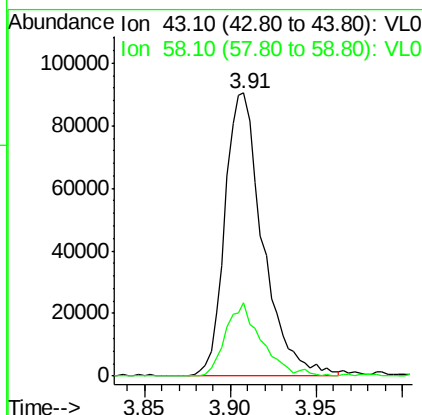
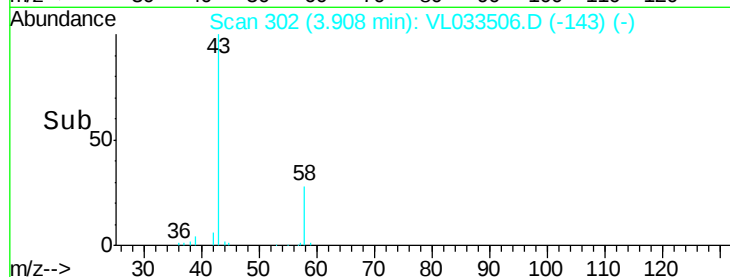
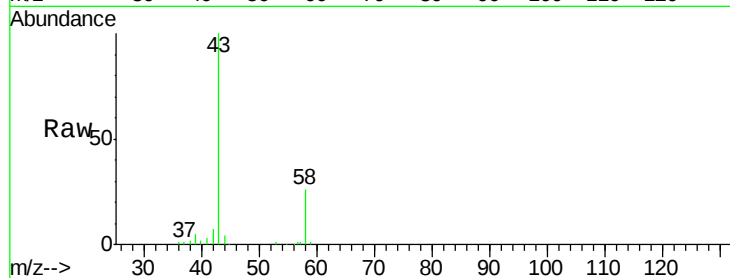
#15
Acetone
Concen: 1.537 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033506.D
Acq: 29 Mar 2019 17:33

Instrument :
MSVOA_L
ClientSampleId :
IAS-2-MUSIC-RMDL

Tot Ion: 43 Resp: 137771
Ion Ratio Lower Upper
43 100
58 25.2 20.5 30.7

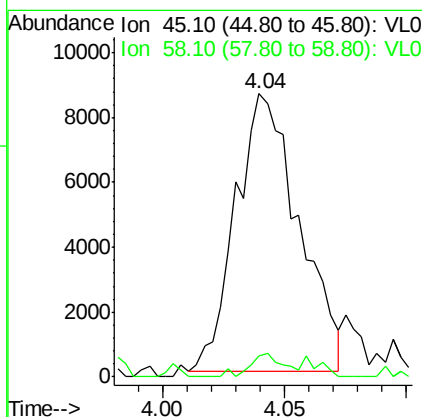
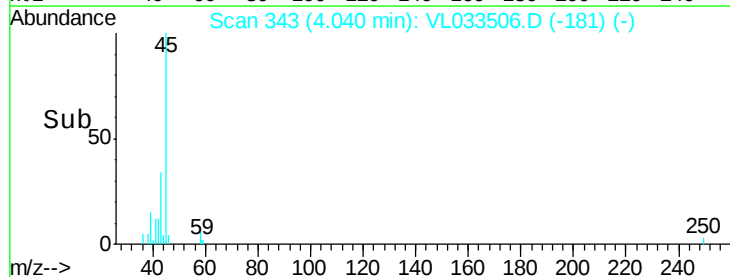
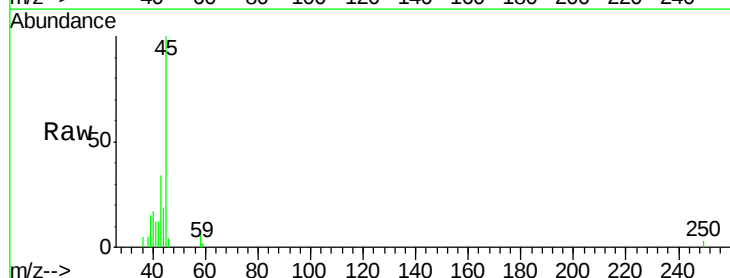
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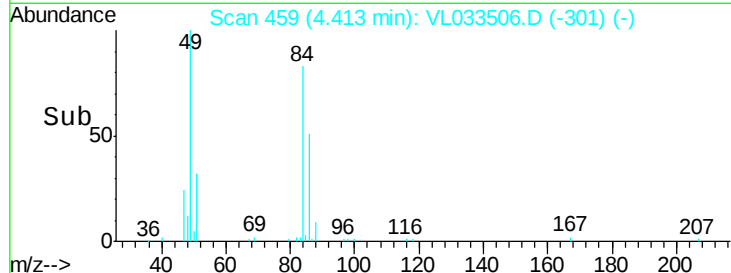
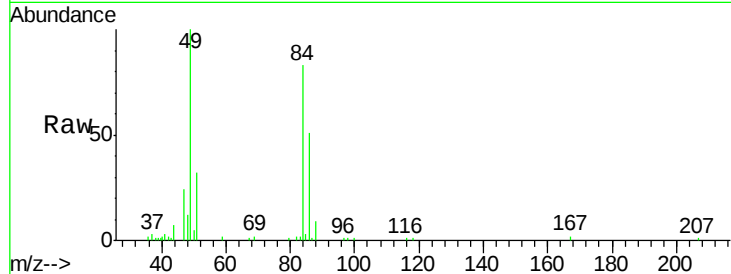
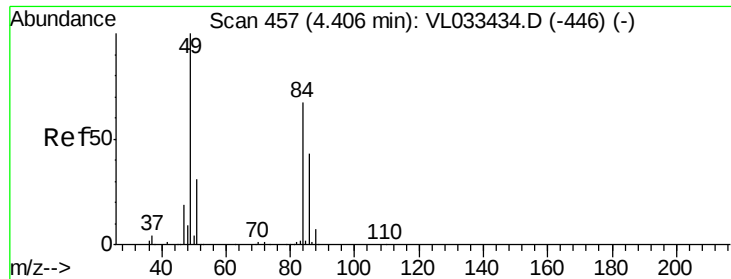
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#19
Isopropyl Alcohol
Concen: 0.271 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033506.D
Acq: 29 Mar 2019 17:33

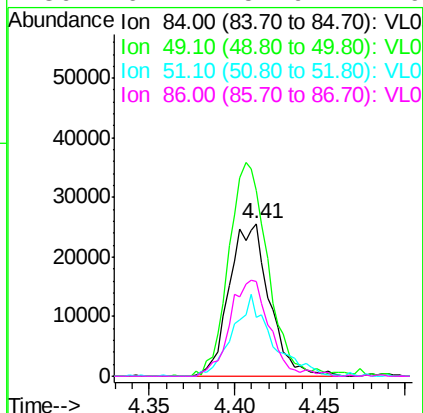
Tgt Ion: 45 Resp: 15363
Ion Ratio Lower Upper
45 100
58 222.3 1.4 2.2#





#20
Methvlene Chloride
Concen: 1.102 ppbv m
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033506.D
Acq: 29 Mar 2019 17:33

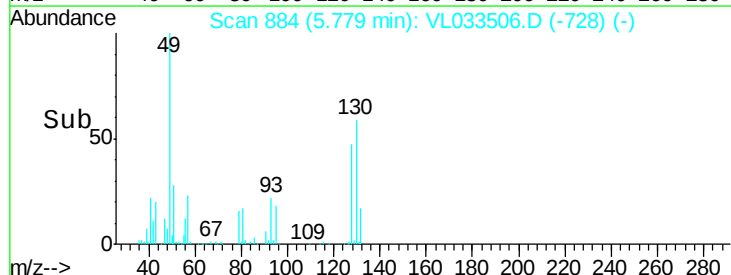
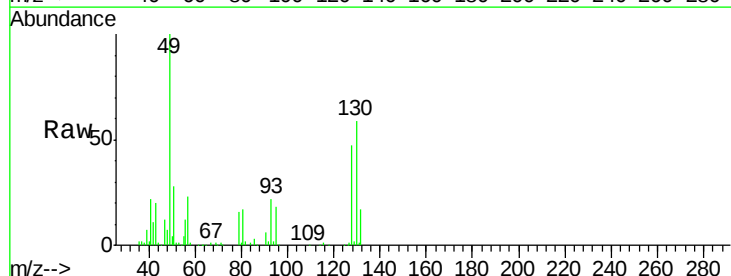
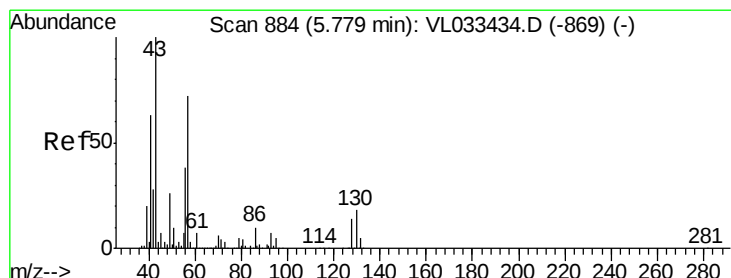
Tot Ion	84	Resp	41907
Ion	Ratio	Lower	Upper
84	100		
49	121.0	120.0	180.0
51	38.5	36.7	55.1
86	62.2	51.9	77.9



Instrument :
MSVOA_L
ClientSampleId :
IAS-2-MUSIC-RMDL

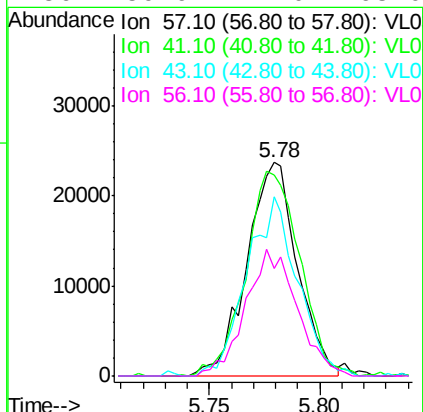
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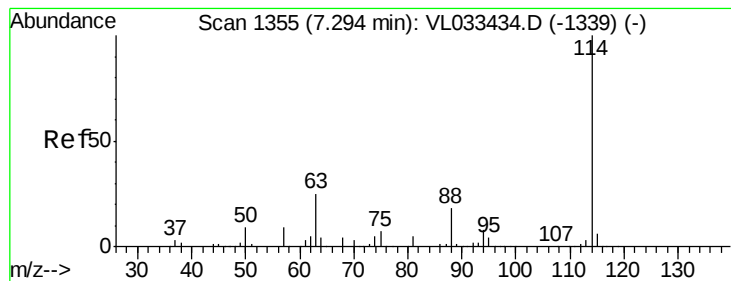
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#26
Hexane
Concen: 0.511 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033506.D
Acq: 29 Mar 2019 17:33

Tgt Ion	57	Resp	37799
Ion	Ratio	Lower	Upper
57	100		
41	103.4	70.7	106.1
43	84.5	182.6	274.0
56	59.9	42.0	63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033506.D

Acq: 29 Mar 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

IAS-2-MUSIC-RMDL

Tot Ion:114 Resp: 1738476

Ion Ratio Lower Upper

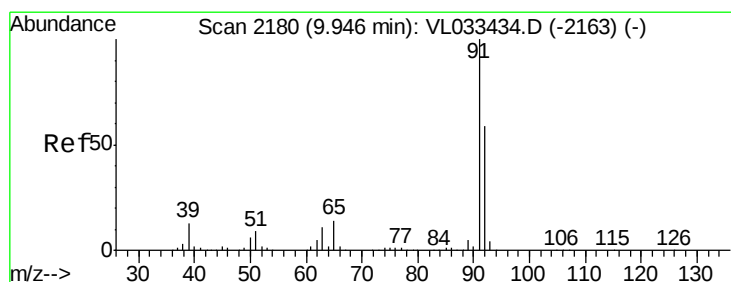
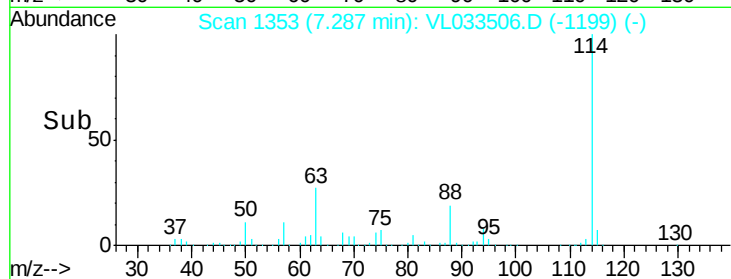
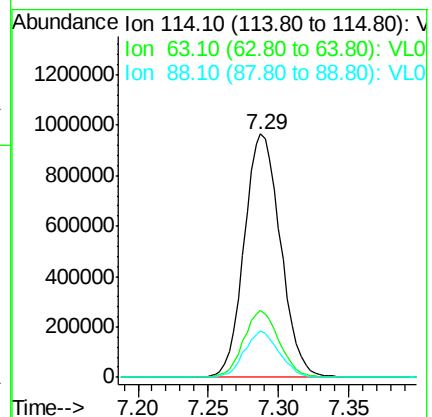
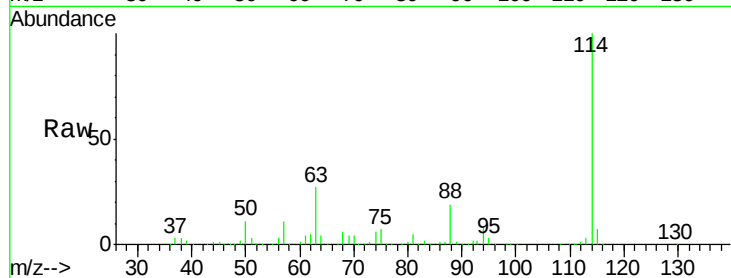
114 100

63 26.9 21.5 32.3

88 18.3 14.5 21.7

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#53

Toluene

Concen: 0.337 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033506.D

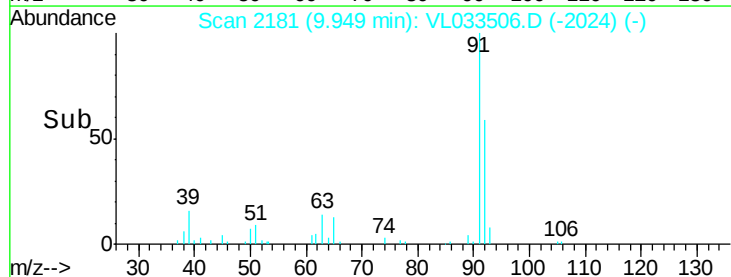
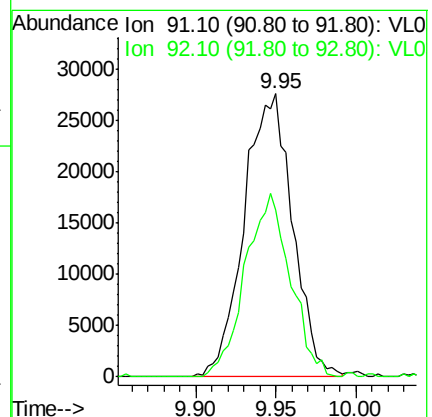
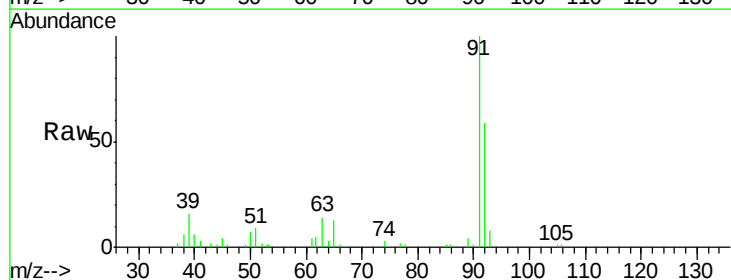
Acq: 29 Mar 2019 17:33

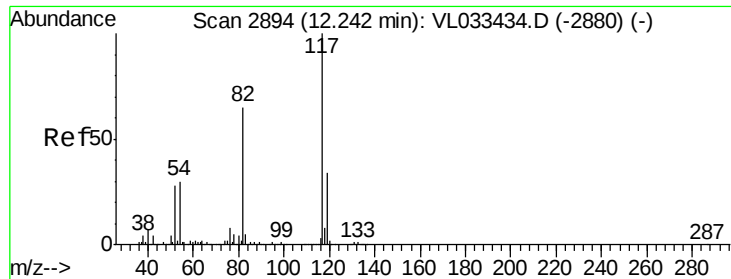
Tgt Ion: 91 Resp: 57155

Ion Ratio Lower Upper

91 100

92 61.0 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033506.D

Acq: 29 Mar 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

IAS-2-MUSIC-RMDL

Tot Ion:117 Resp: 1756391

Ion Ratio Lower Upper

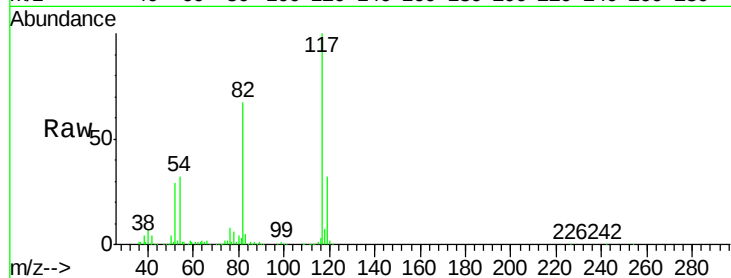
117 100

82 67.3 51.5 77.3

119 32.3 25.5 38.3

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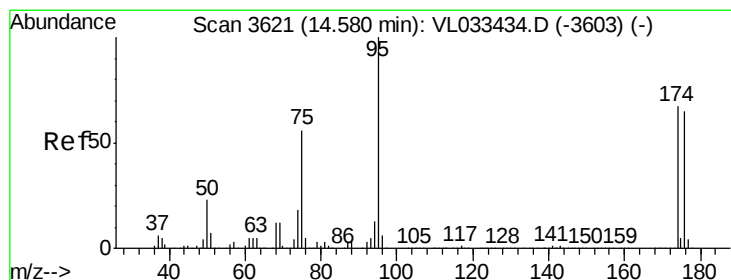
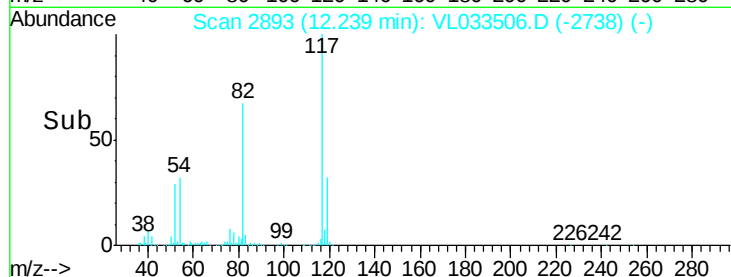
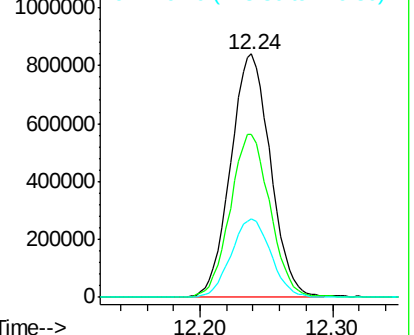
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.953 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033506.D

Acq: 29 Mar 2019 17:33

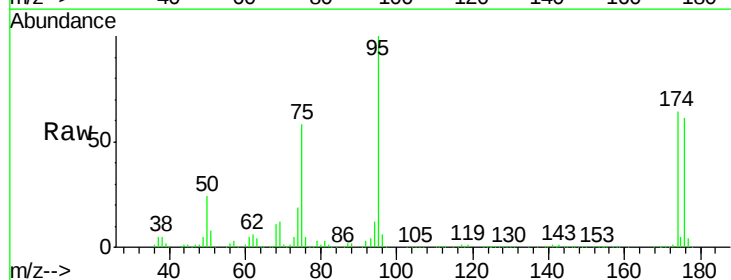
Tgt Ion: 95 Resp: 1370509

Ion Ratio Lower Upper

95 100

174 64.6 52.9 79.3

175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

