

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033512.D
 Acq On : 29 Mar 2019 21:33
 Operator : SY/AP
 Sample : K2042-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-ROOMDL

Manual Integrations
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 4/1/2019 4:03:19 AM

Quant Time: Mar 30 03:09:51 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	801942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1879659	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1846813	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.58	95	1435410	9.91	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	9781m	0.252	ppbv	
13) Ethanol	3.65	45	586062	58.413	ppbv	66
15) Acetone	3.90	43	122757	1.273	ppbv	99
19) Isopropyl Alcohol	4.03	45	28953	0.475	ppbv #	91
20) Methylene Chloride	4.41	84	40308	0.985	ppbv	86
26) Hexane	5.78	57	36036m	0.453	ppbv	
38) Trichloroethene	7.95	130	10336m	0.174	ppbv	
53) Toluene	9.94	91	24509m	0.134	ppbv	

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

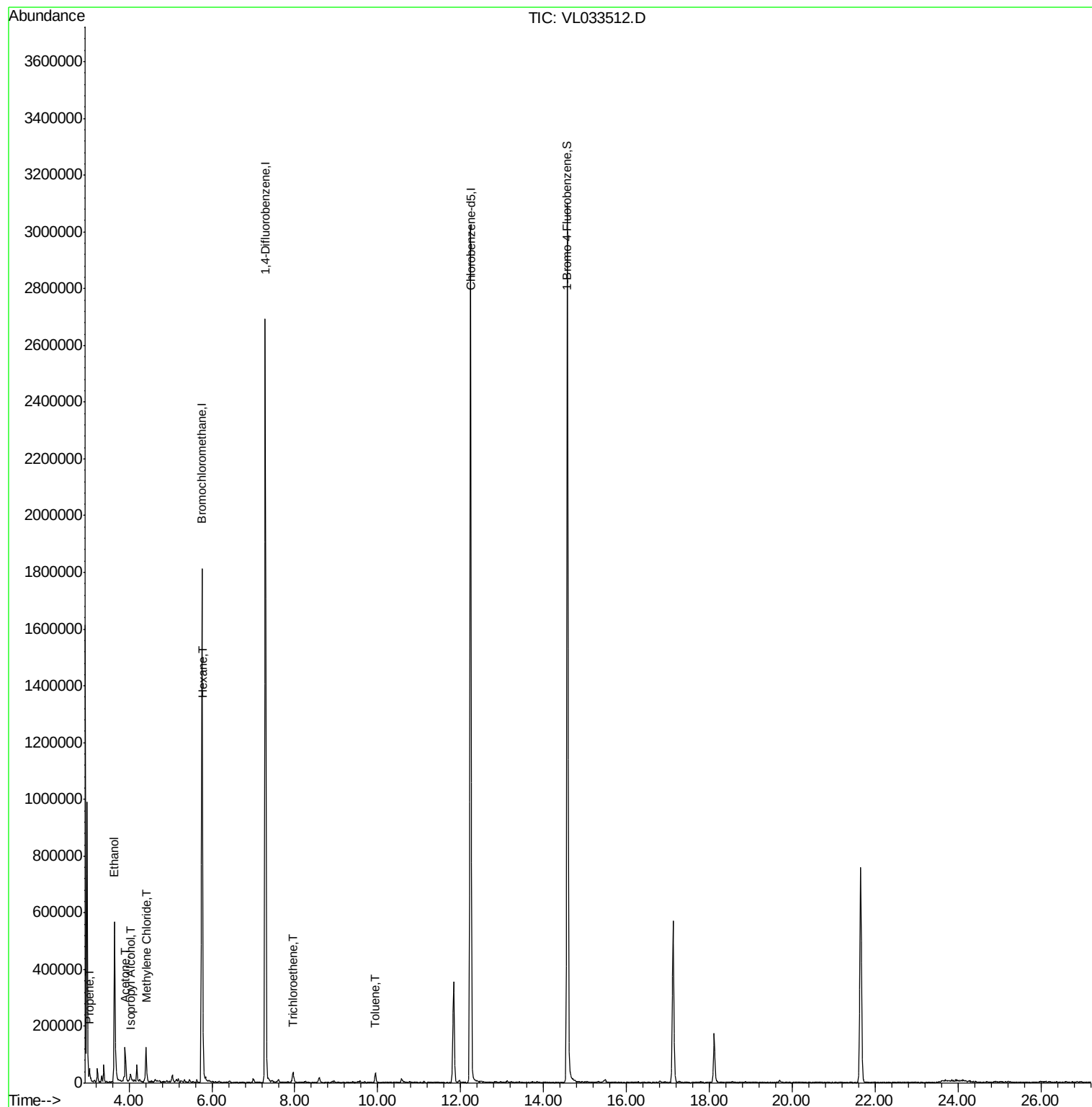
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032919\
Data File : VL033512.D
Acq On : 29 Mar 2019 21:33
Operator : SY/AP
Sample : K2042-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

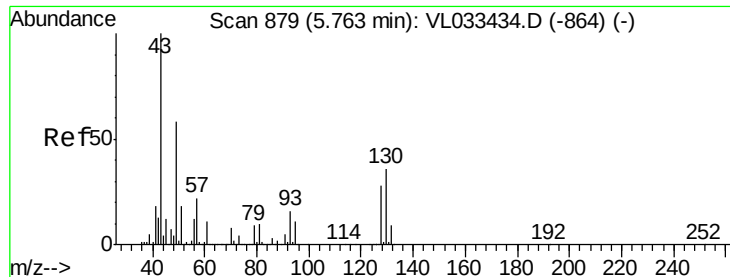
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-ROOMDL

Manual Integrations
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Quant Time: Mar 30 03:09:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033512.D

Acq: 29 Mar 2019 21:33

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-ROOMDL

Tot Ion: 49 Resp: 801942

Ion Ratio Lower Upper

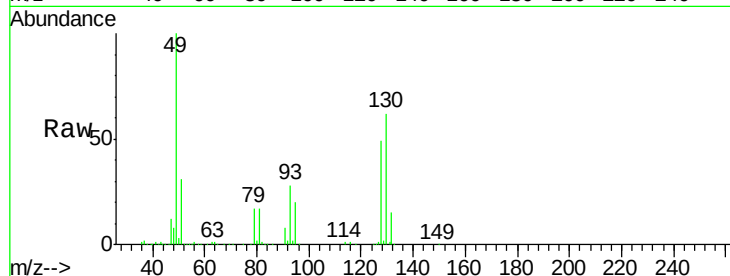
49 100

128 49.1 24.0 72.0

130 63.3 31.2 93.6

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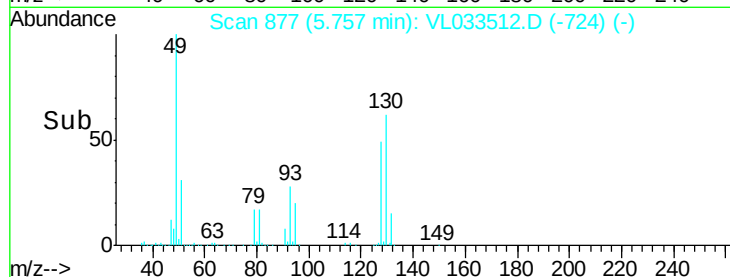
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

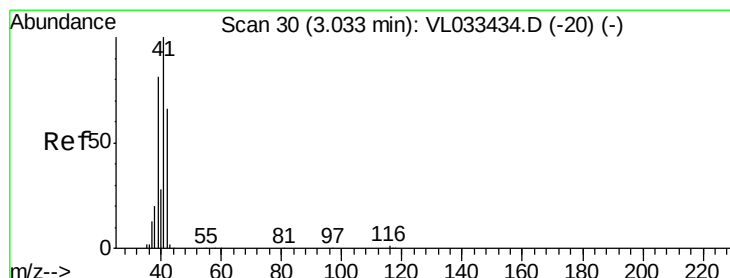
Ion 130.00 (129.70 to 130.70): VL0

5.76

Time-->



Time-->



#9

Propene

Concen: 0.252 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.02 min

Lab File: VL033512.D

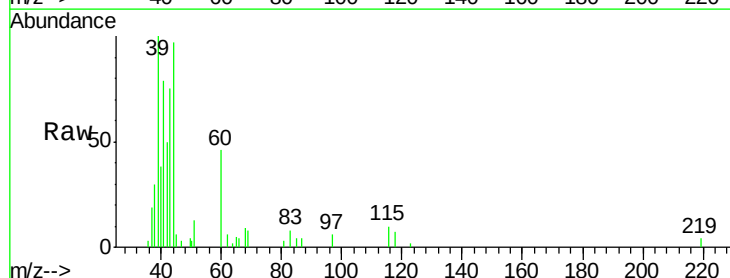
Acq: 29 Mar 2019 21:33

Tgt Ion: 41 Resp: 9781

Ion Ratio Lower Upper

41 100

42 0.0 53.9 80.9#

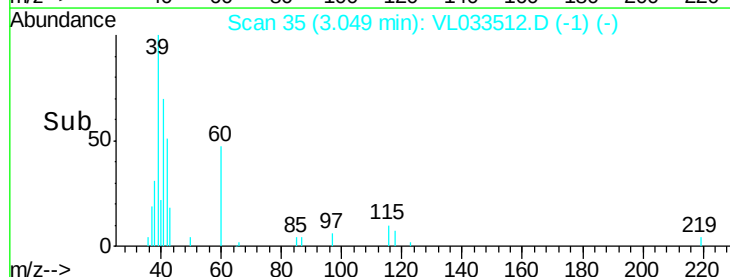


Abundance Ion 41.10 (40.80 to 41.80): VL0

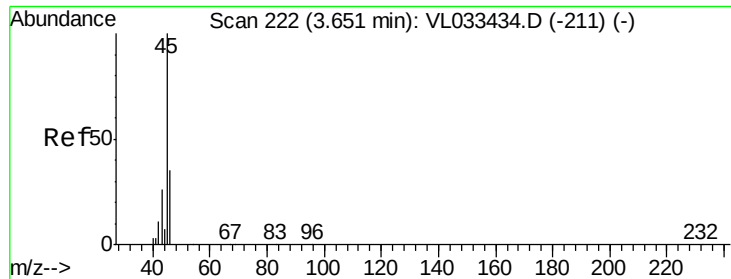
Ion 42.10 (41.80 to 42.80): VL0

3.05

Time-->



Time-->



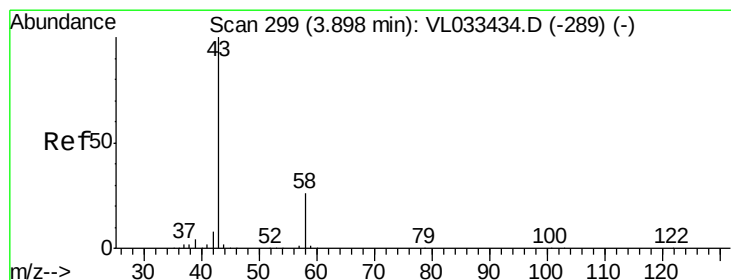
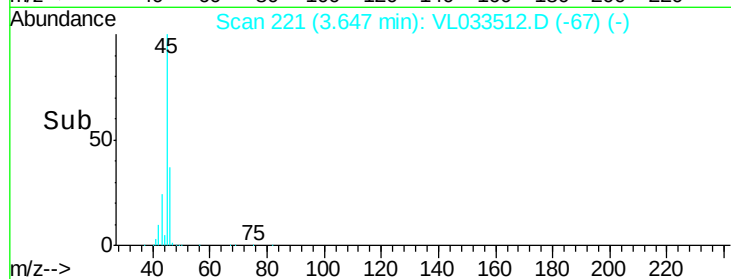
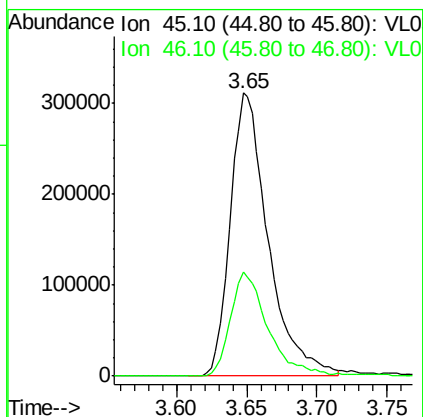
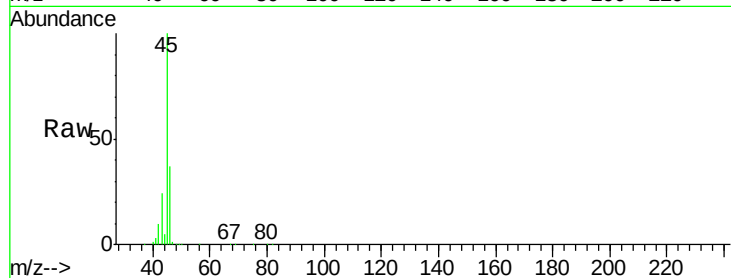
#13
Ethanol
Concen: 58.413 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-ROOMDL

Tot Ion: 45 Resp: 586062
Ion Ratio Lower Upper
45 100
46 36.9 25.4 101.8

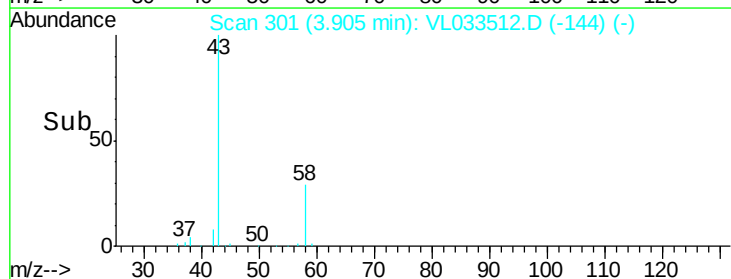
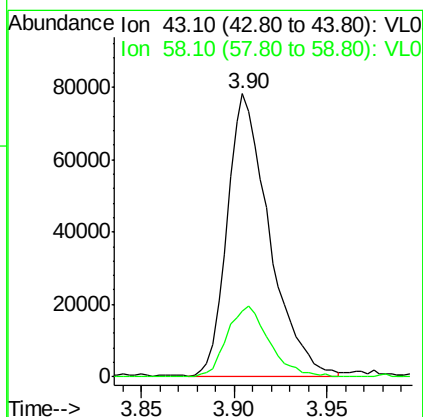
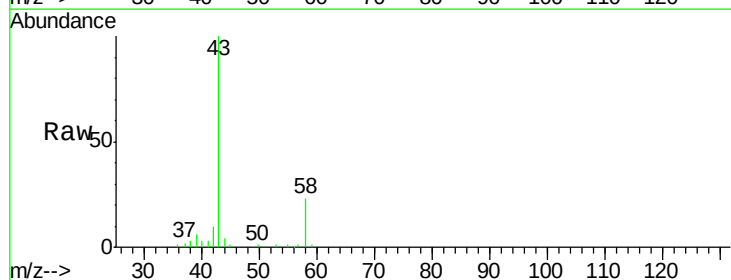
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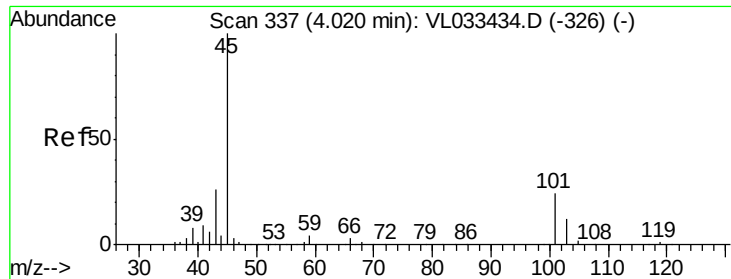
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#15
Acetone
Concen: 1.273 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 43 Resp: 122757
Ion Ratio Lower Upper
43 100
58 25.3 20.5 30.7





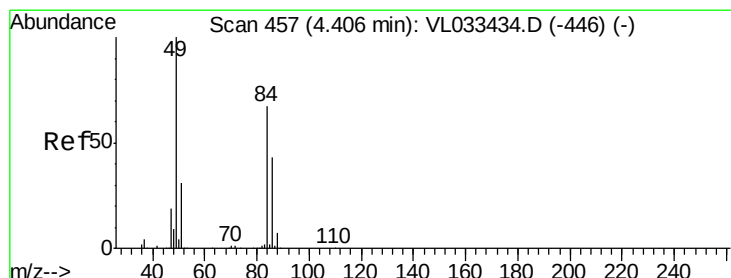
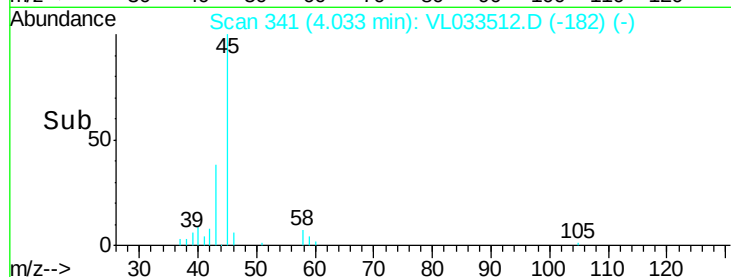
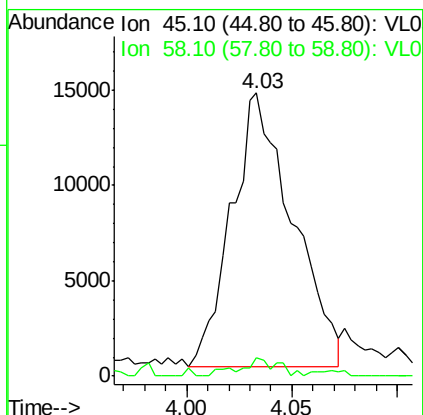
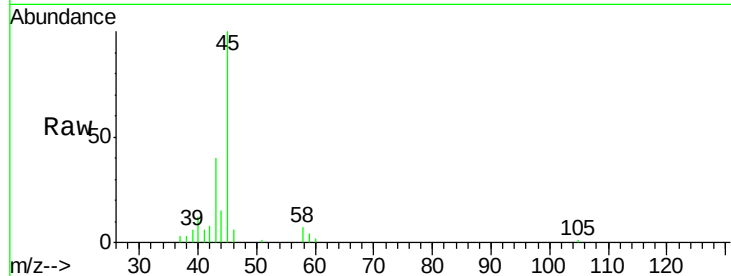
#19
Isopropyl Alcohol
Concen: 0.475 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-ROOMDL

Tot Ion: 45 Resp: 28953
Ion Ratio Lower Upper
45 100
58 5.0 1.4 2.2#

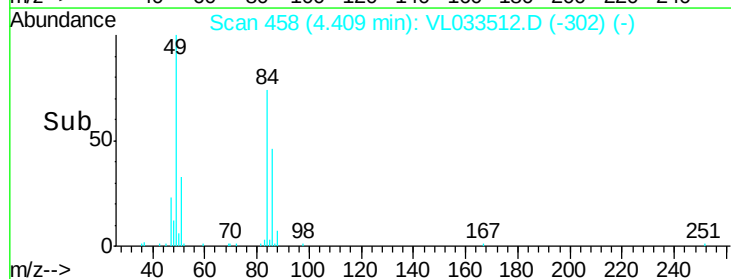
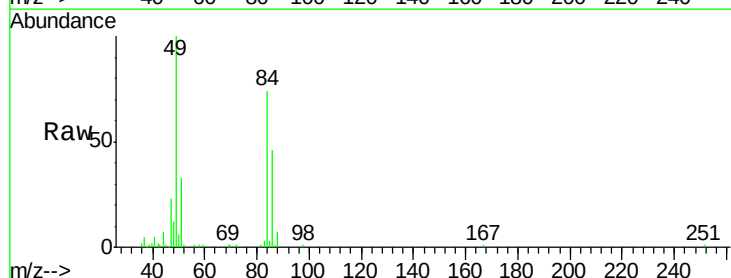
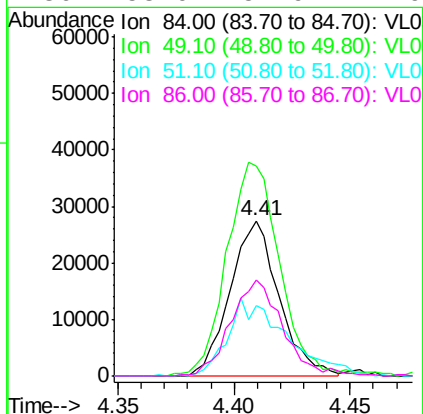
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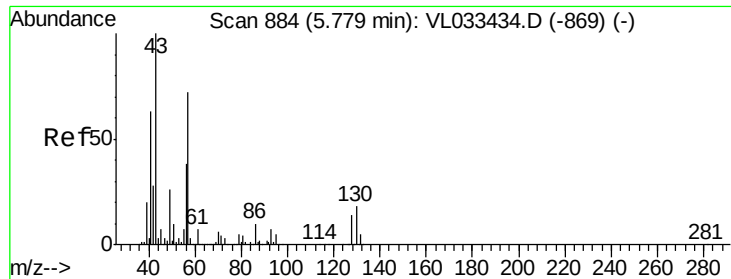
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#20
Methylene Chloride
Concen: 0.985 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 84 Resp: 40308
Ion Ratio Lower Upper
84 100
49 126.5 120.0 180.0
51 43.0 36.7 55.1
86 58.0 51.9 77.9





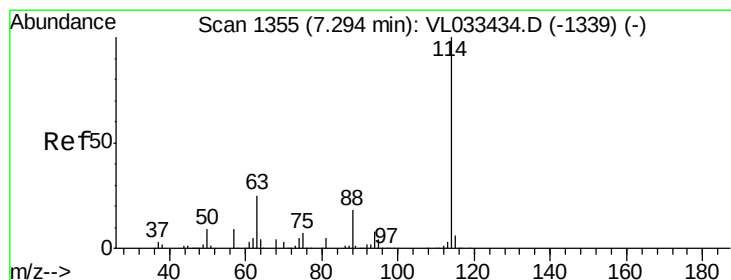
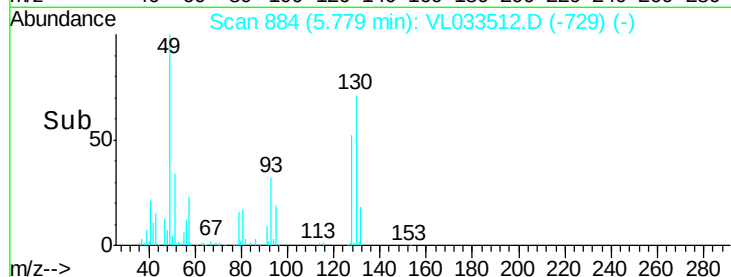
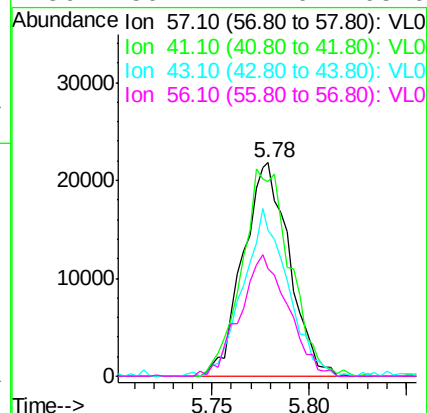
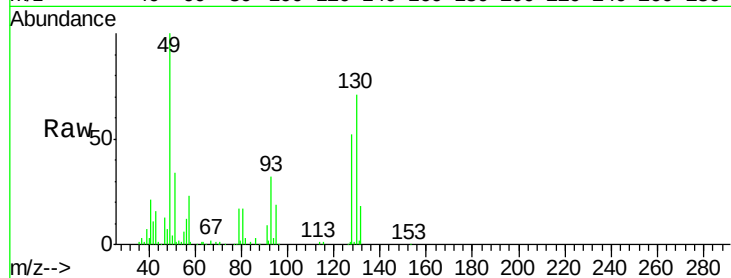
#26
Hexane
Concen: 0.453 ppbv m
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-ROOMDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	102.0	70.7	106.1
43	76.1	182.6	274.0#
56	59.2	42.0	63.0

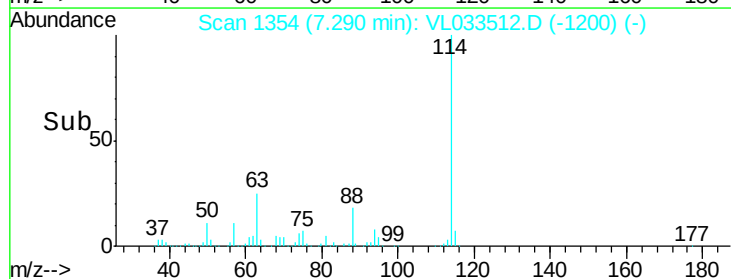
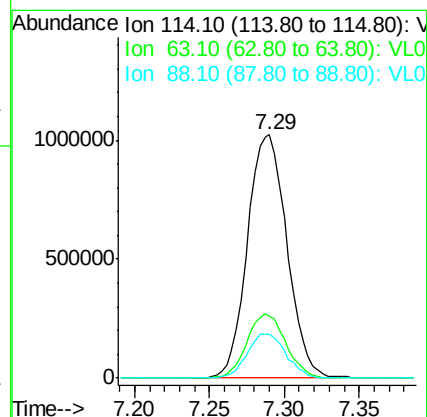
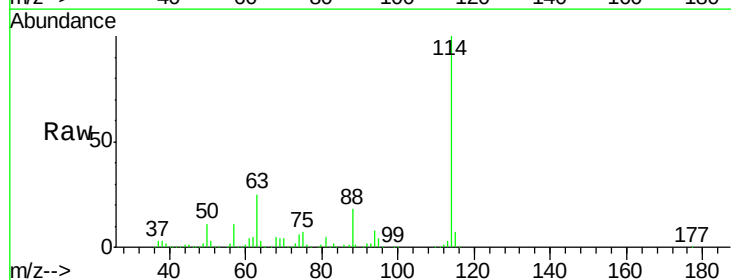
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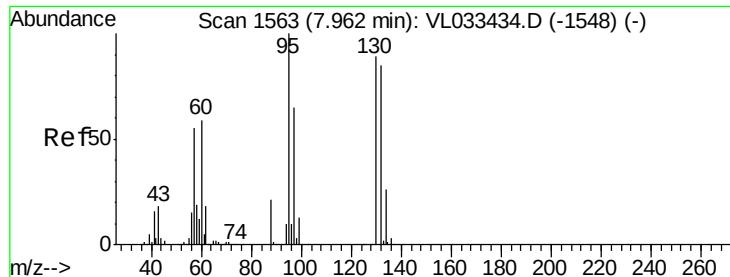
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.5	32.3
88	18.0	14.5	21.7





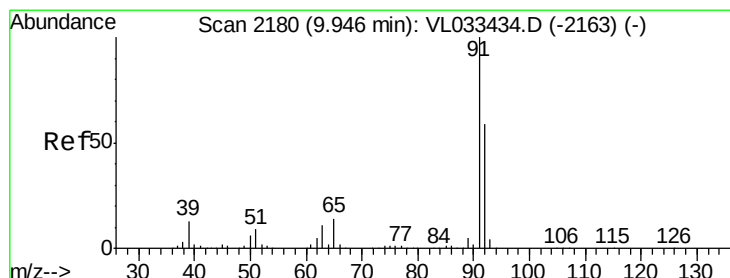
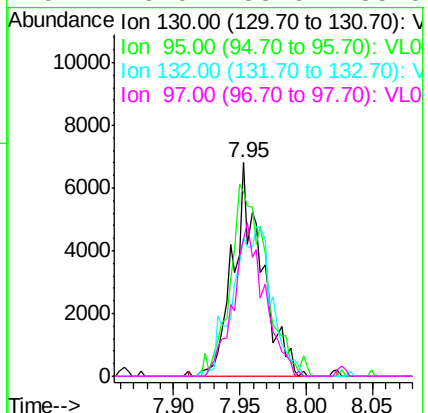
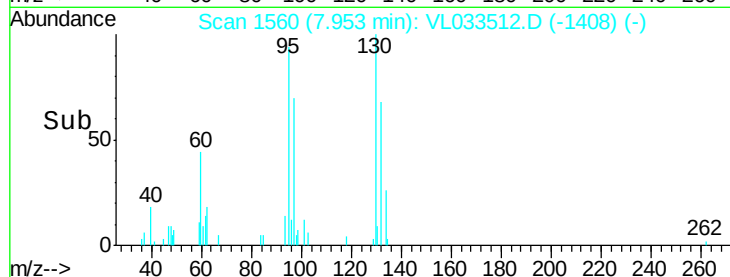
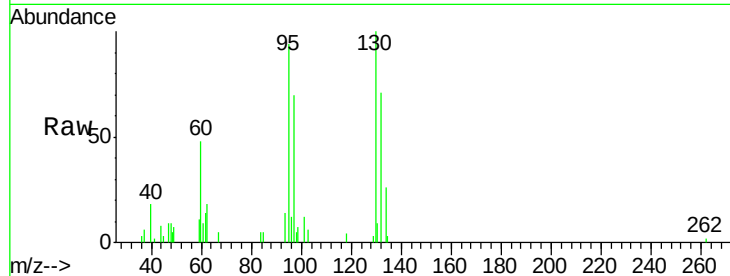
#38
 Trichloroethene
 Concen: 0.174 ppbv m
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033512.D
 Acq: 29 Mar 2019 21:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-ROOMDL

Tot Ion:	130	Resp:	10336
Ion Ratio	Lower	Upper	
130	100		
95	94.3	89.8	134.8
132	70.9	76.6	115.0#
97	70.0	58.6	88.0

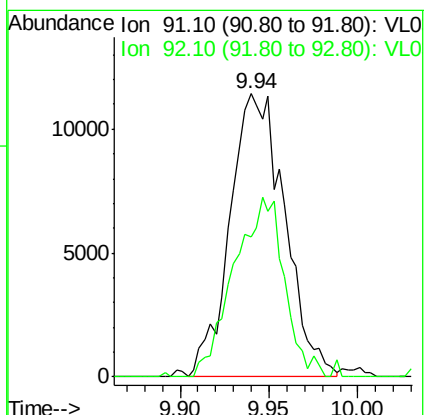
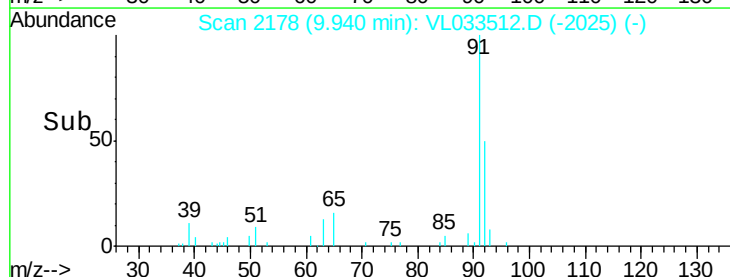
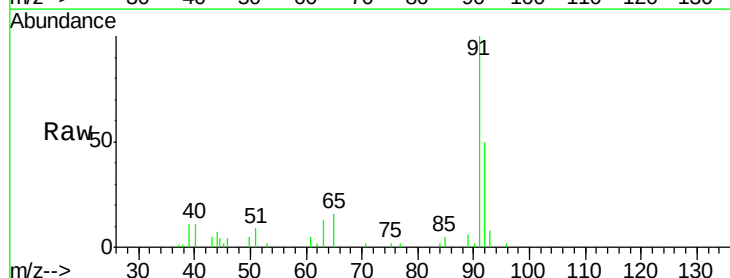
Manual Integrations
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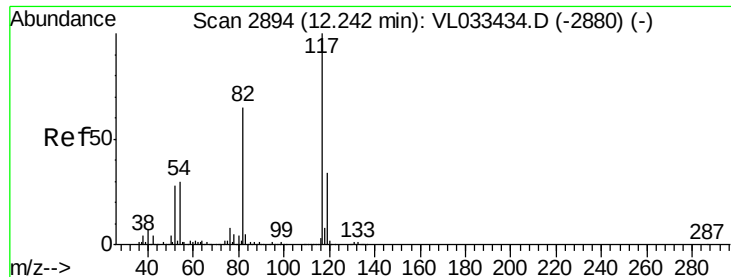
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#53
 Toluene
 Concen: 0.134 ppbv m
 RT: 9.94 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL033512.D
 Acq: 29 Mar 2019 21:33

Tgt Ion:	91	Resp:	24509
Ion Ratio	Lower	Upper	
91	100		
92	0.0	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: VL033512.D

Acq: 29 Mar 2019 21:33

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-ROOMDL

Tot Ion:117 Resp: 1846813

Ion Ratio Lower Upper

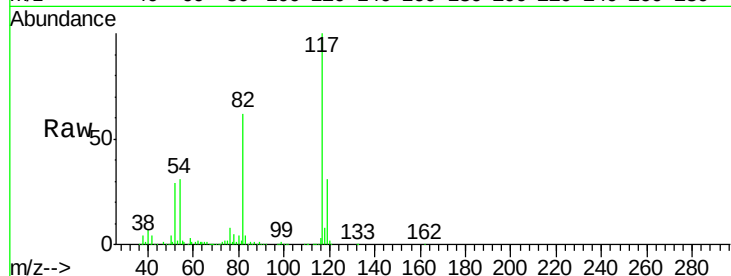
117 100

82 66.4 51.5 77.3

119 32.1 25.5 38.3

Manual Integrations
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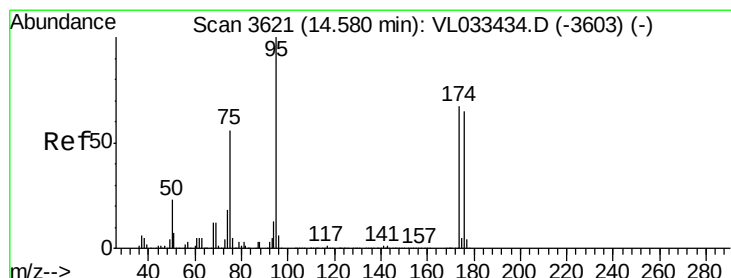
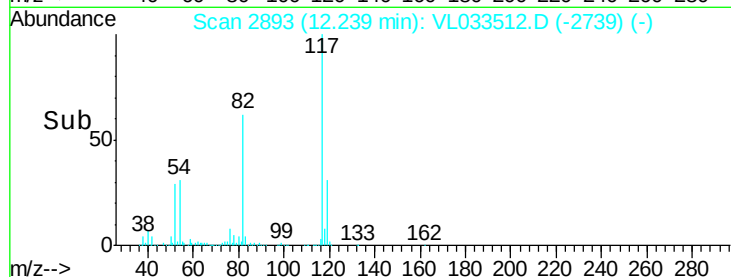
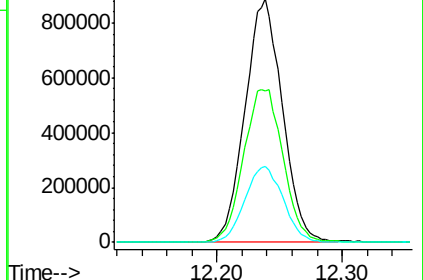
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4/1/2019 4:03:19 AM



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: 9.914 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033512.D

Acq: 29 Mar 2019 21:33

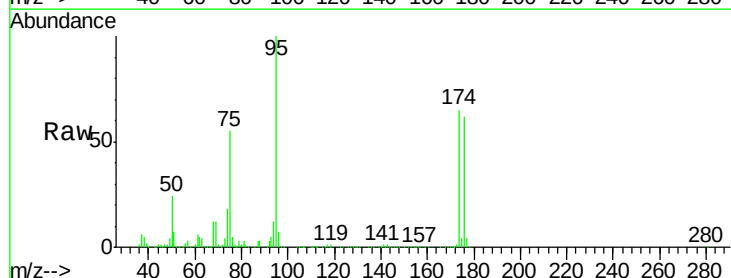
Tgt Ion: 95 Resp: 1435410

Ion Ratio Lower Upper

95 100

174 65.7 52.9 79.3

175 4.7 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

