

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033549.D
 Acq On : 5 Apr 2019 1:31
 Operator : SY/AP
 Sample : K2211-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA2-DUPDL

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:22:27 AM

Quant Time: Apr 05 03:33:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	1160302	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2936475	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2994762	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2387028	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	8681m	0.155	ppbv	
13) Ethanol	3.65	45	2539624	174.946	ppbv	65
15) Acetone	3.90	43	107940	0.774	ppbv	92
20) Methylene Chloride	4.41	84	37126	0.627	ppbv	82
26) Hexane	5.77	57	19774	0.172	ppbv #	43
53) Toluene	9.94	91	112590	0.393	ppbv	100

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

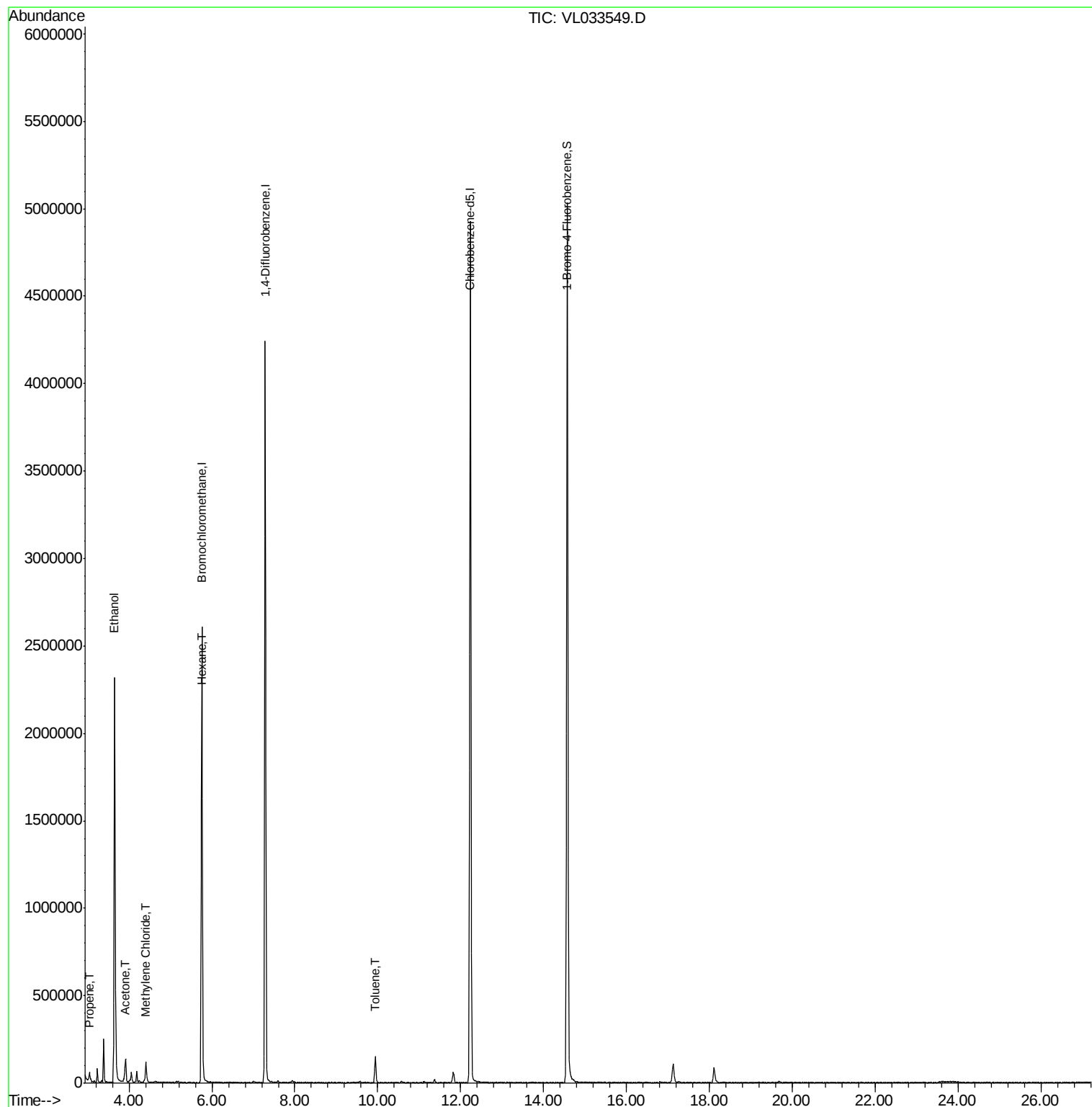
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QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033549.D

Acq: 5 Apr 2019 1:31

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA2-DUPDL

Tot Ion: 49 Resp: 1160302

Ion Ratio Lower Upper

49 100

128 49.5 24.0 72.0

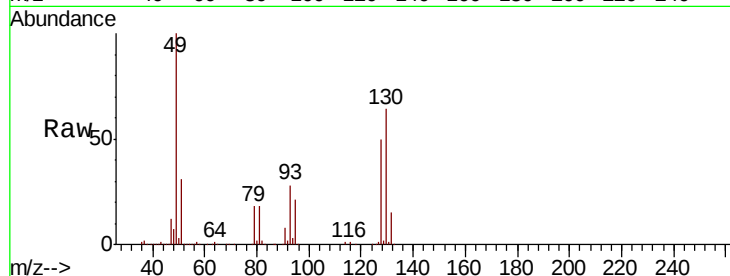
130 63.5 31.2 93.6

Manual Integrations

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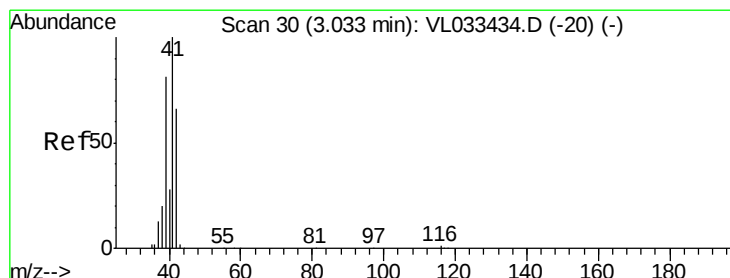
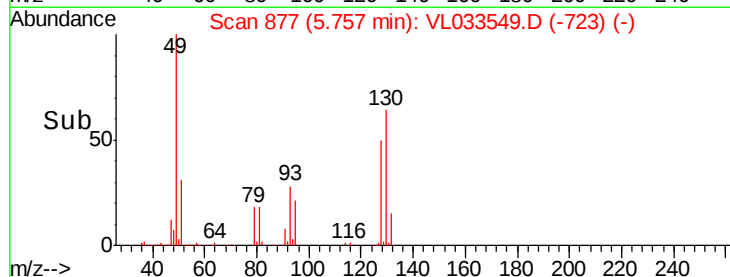
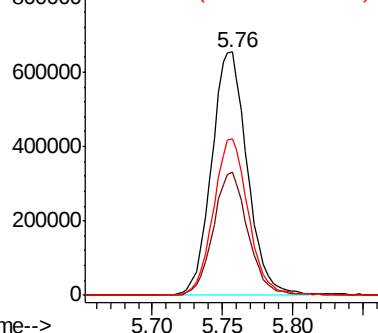
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.155 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033549.D

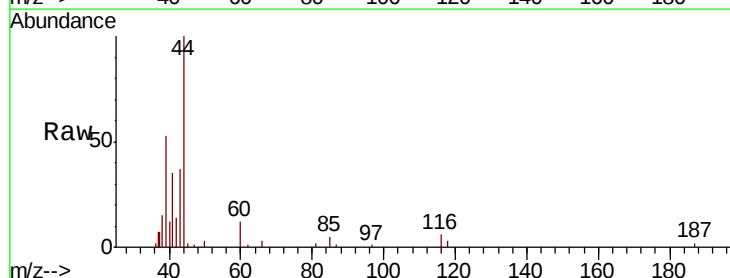
Acq: 5 Apr 2019 1:31

Tgt Ion: 41 Resp: 8681

Ion Ratio Lower Upper

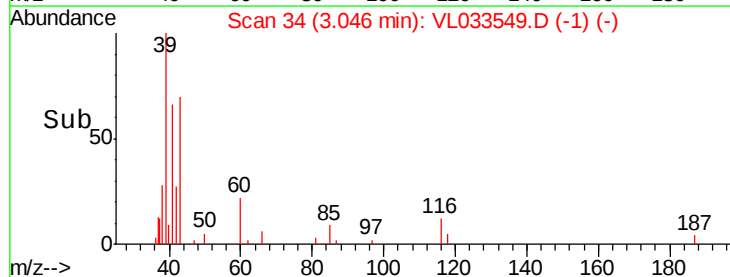
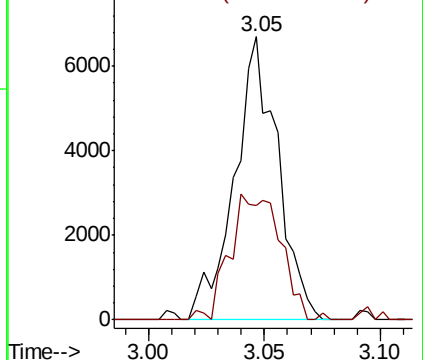
41 100

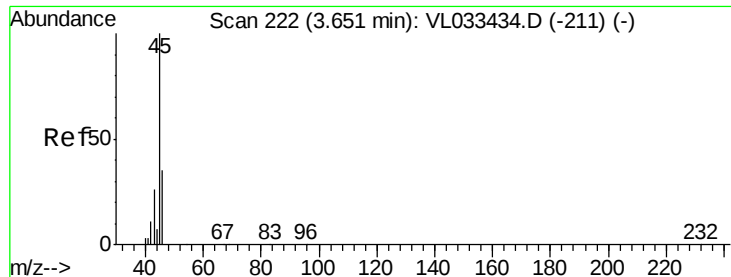
42 154.7 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





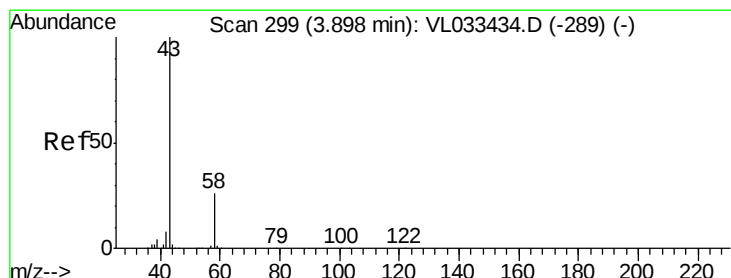
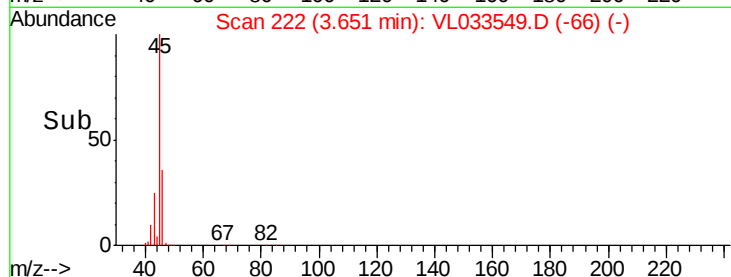
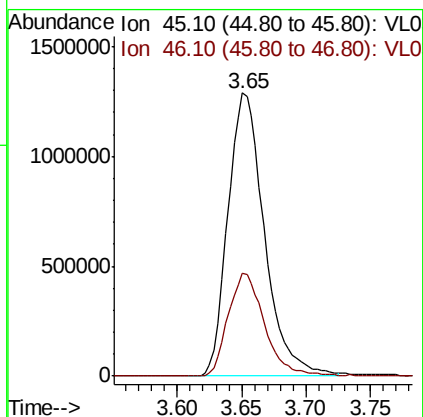
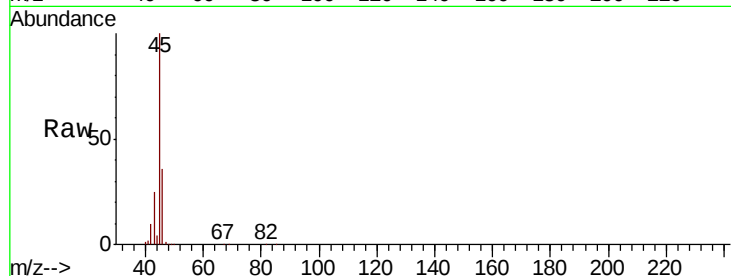
#13
Ethanol
Concen: 174.946 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033549.D
Acq: 5 Apr 2019 1:31

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUPDL

Tot Ion: 45 Resp: 2539624
Ion Ratio Lower Upper
45 100
46 36.5 25.4 101.8

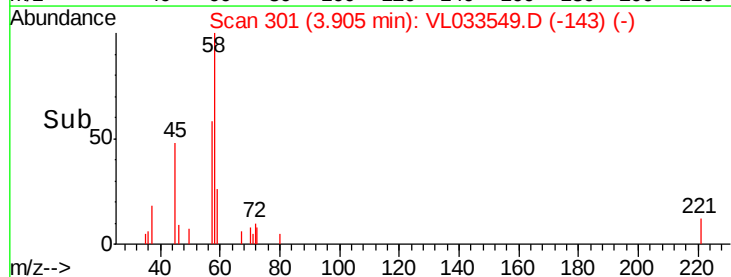
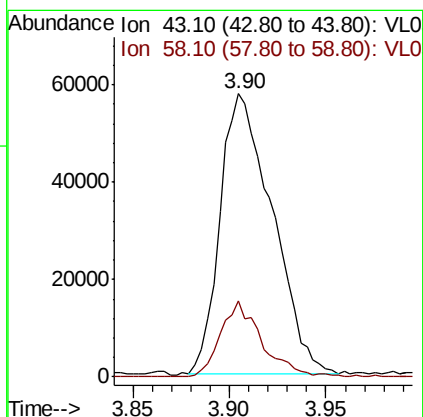
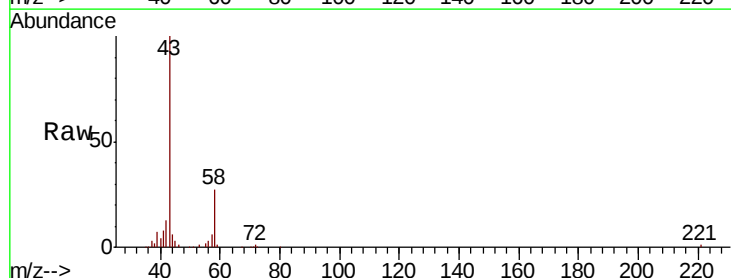
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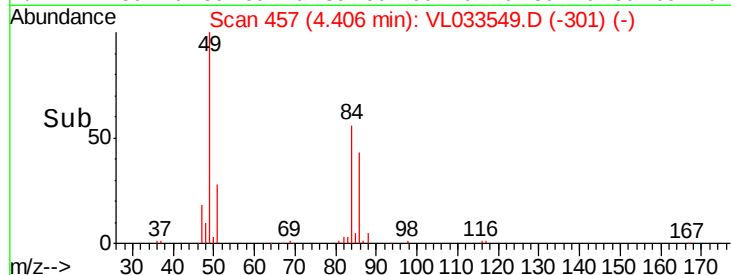
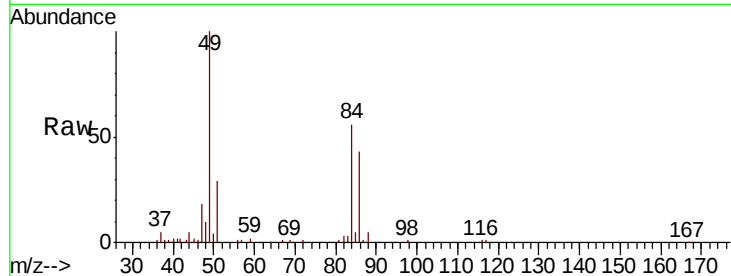
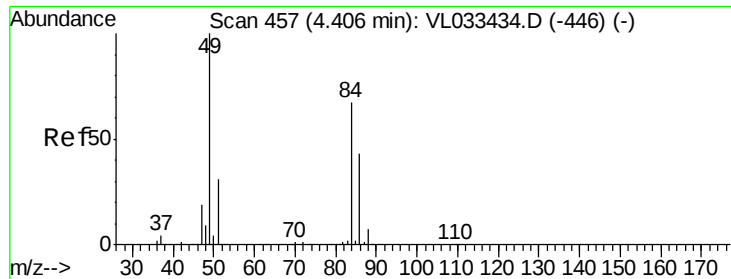
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#15
Acetone
Concen: 0.774 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033549.D
Acq: 5 Apr 2019 1:31

Tgt Ion: 43 Resp: 107940
Ion Ratio Lower Upper
43 100
58 21.5 20.5 30.7





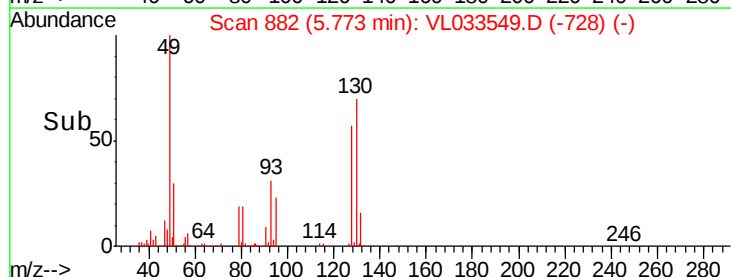
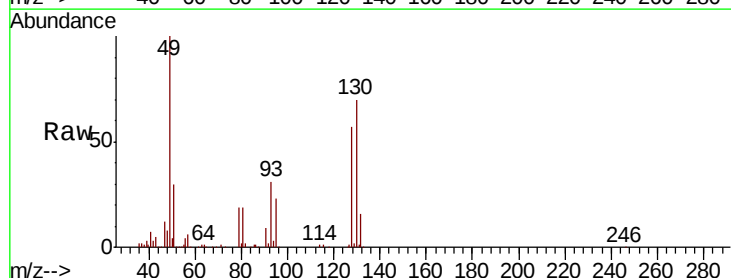
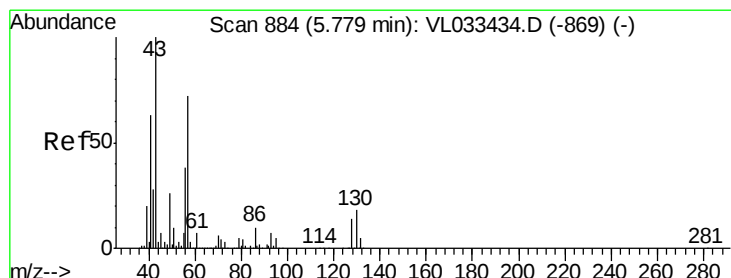
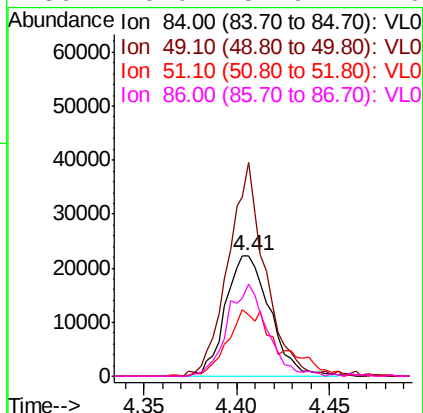
#20
Methvlene Chloride
Concen: 0.627 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033549.D
Acq: 5 Apr 2019 1:31

Tot Ion	Ratio	Lower	Upper
84	100		
49	179.9	120.0	180.0
51	49.8	36.7	55.1
86	76.0	51.9	77.9

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUPDL

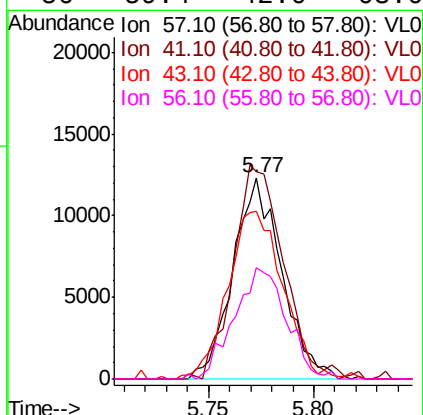
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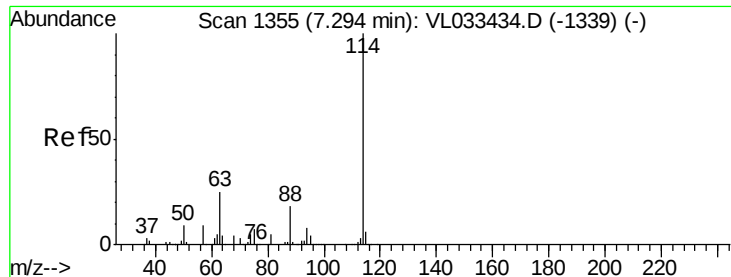
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#26
Hexane
Concen: 0.172 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033549.D
Acq: 5 Apr 2019 1:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	110.2	70.7	106.1#
43	95.8	182.6	274.0#
56	59.4	42.0	63.0





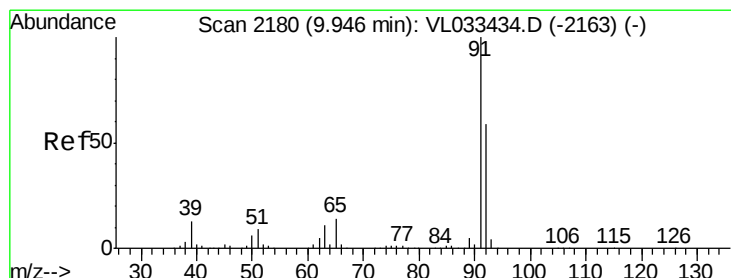
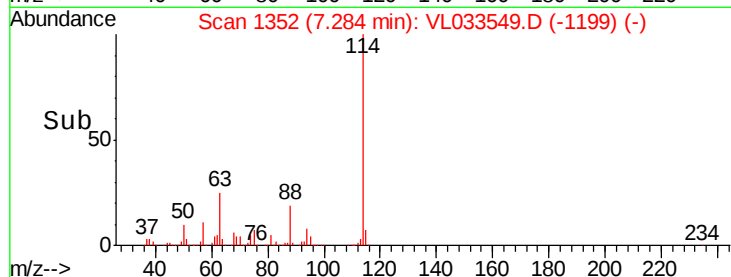
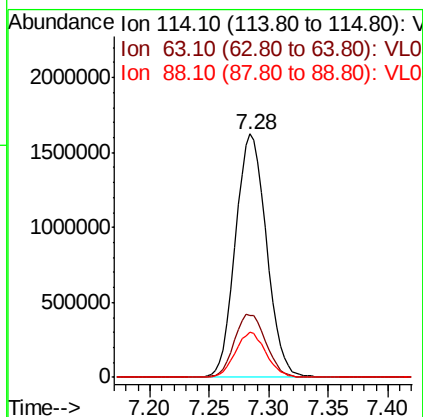
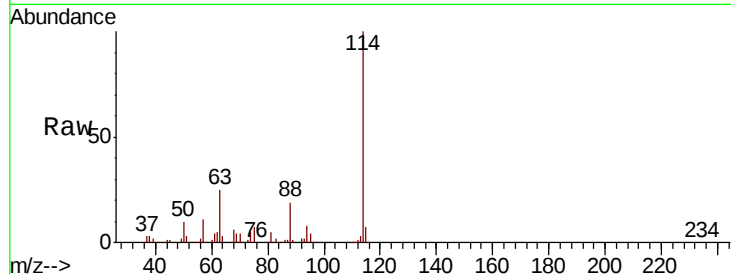
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033549.D
 Acq: 5 Apr 2019 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA2-DUPDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.3	14.5	21.7

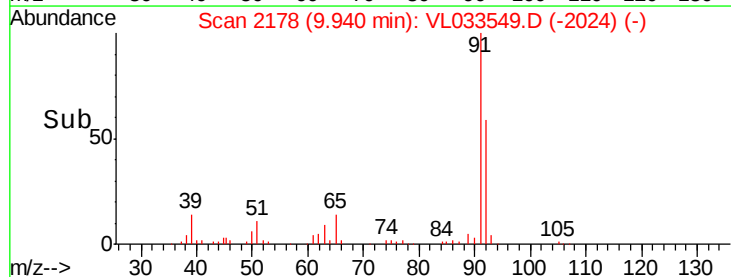
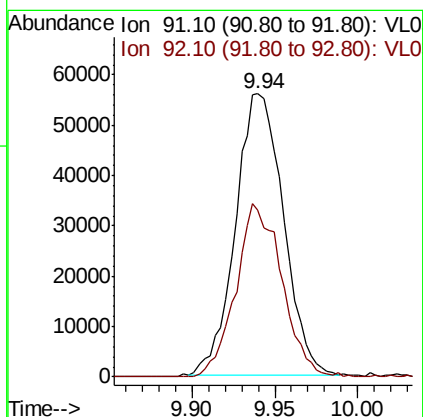
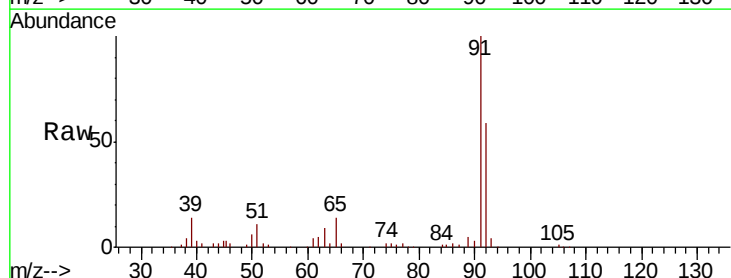
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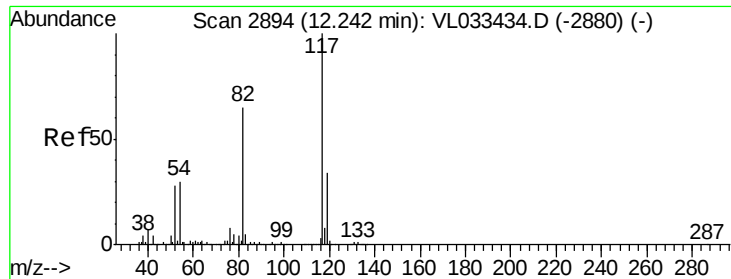
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#53
 Toluene
 Concen: 0.393 ppbv
 RT: 9.94 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL033549.D
 Acq: 5 Apr 2019 1:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.4	71.0





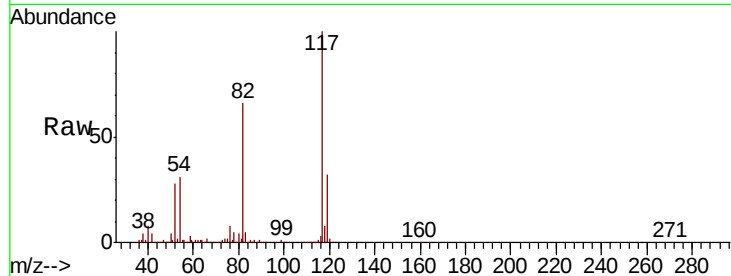
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033549.D
Acq: 5 Apr 2019 1:31

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUPDL

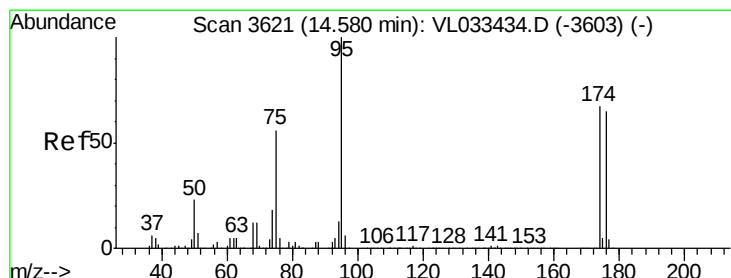
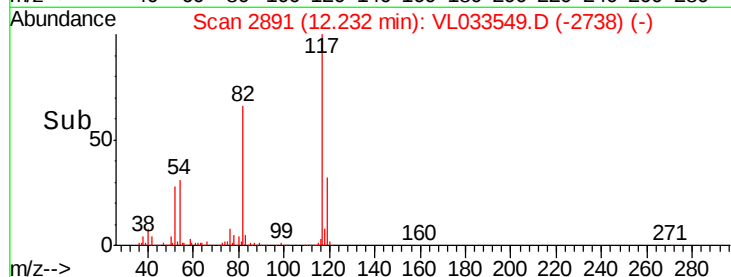
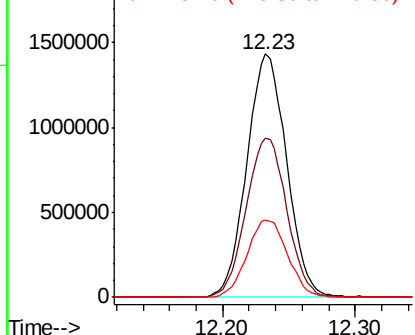
Tot Ion	Ratio	Lower	Upper
117	100		
82	67.1	51.5	77.3
119	32.7	25.5	38.3

Manual Integrations
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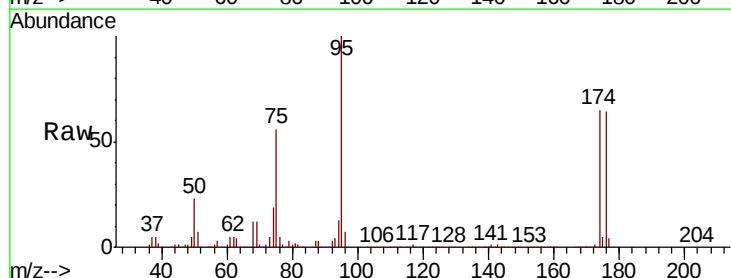


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.167 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033549.D
Acq: 5 Apr 2019 1:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.7	52.9	79.3
175	4.9	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

