

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\
 Data File : VL033574.D
 Acq On : 10 Apr 2019 21:37
 Operator : SY/AP
 Sample : K2301-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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 4/11/2019 1:01:36 PM

Quant Time: Apr 11 04:51:09 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	901049	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2131117	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2155612	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1698646	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	10375m	0.100	ppbv	
9) Propene	3.05	41	10194	0.234	ppbv	95
13) Ethanol	3.67	45	36340m	3.224	ppbv	
15) Acetone	3.91	43	59865	0.553	ppbv	95
19) Isopropyl Alcohol	4.04	45	8889m	0.130	ppbv	
20) Methylene Chloride	4.41	84	21460m	0.467	ppbv	
52) Tetrachloroethene	11.37	164	10325m	0.153	ppbv	
53) Toluene	9.95	91	19409m	0.093	ppbv	

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

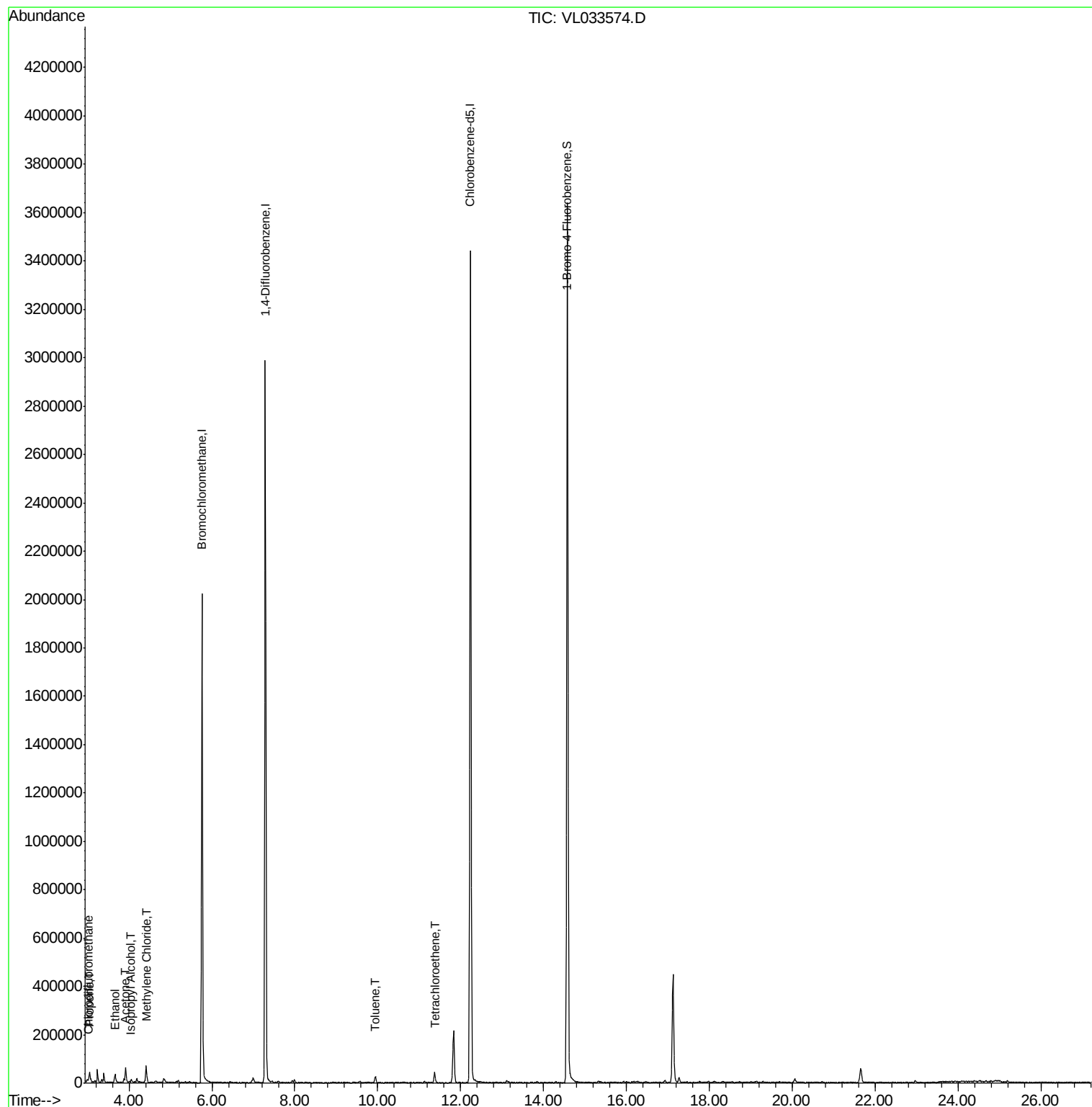
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041019\
Data File : VL033574.D
Acq On : 10 Apr 2019 21:37
Operator : SY/AP
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Misc : 400ml/MSVOA L
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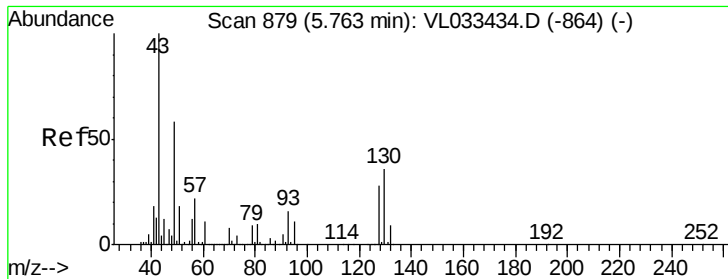
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Manual Integrations
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Quant Time: Apr 11 04:51:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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: VL033574.D

Acq: 10 Apr 2019 21:37

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 49 Resp: 901049

Ion Ratio Lower Upper

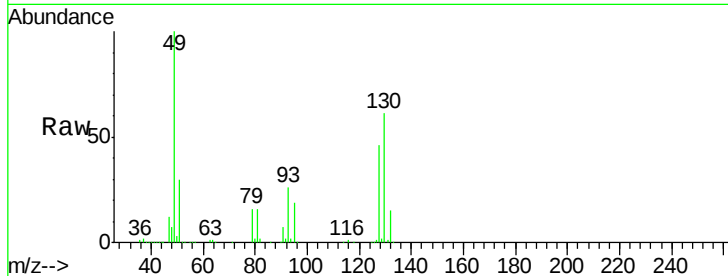
49 100

128 49.6 24.0 72.0

130 64.1 31.2 93.6

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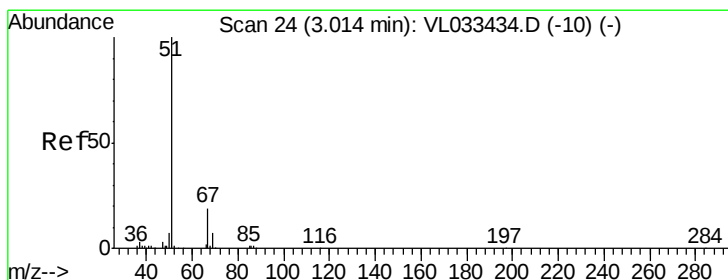
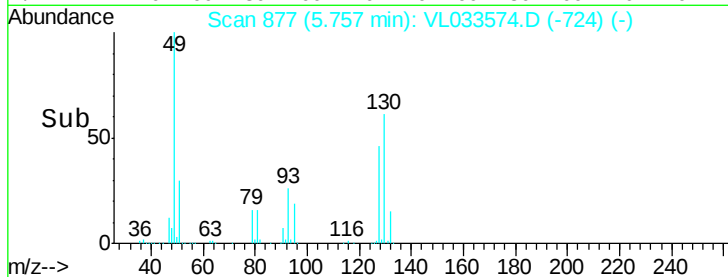
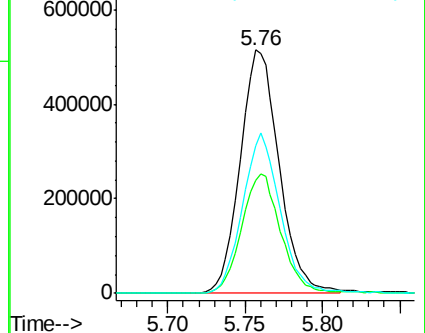
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.100 ppbv m

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033574.D

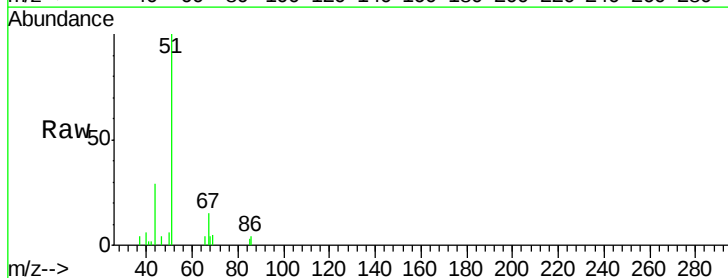
Acq: 10 Apr 2019 21:37

Tgt Ion: 51 Resp: 10375

Ion Ratio Lower Upper

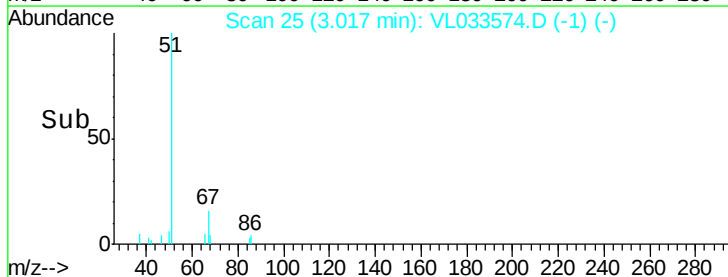
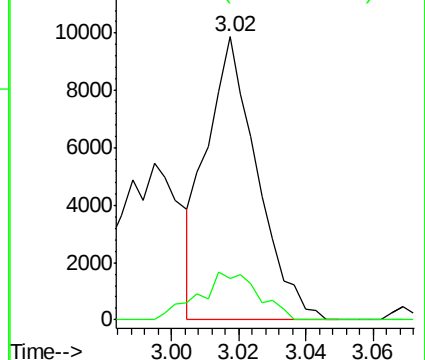
51 100

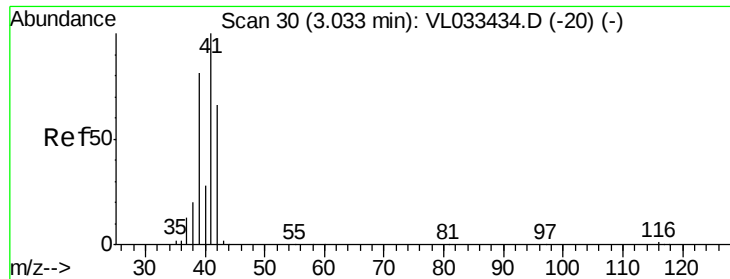
67 19.8 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.234 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.02 min

Lab File: VL033574.D

Acq: 10 Apr 2019 21:37

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 41 Resp: 10194

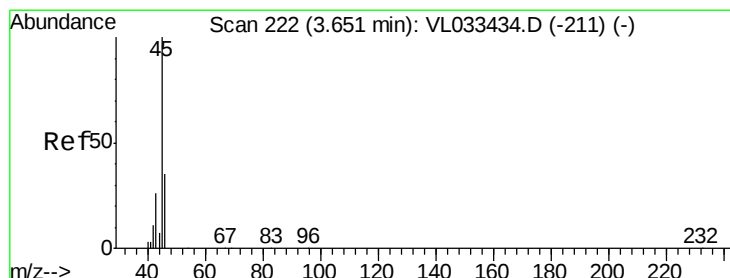
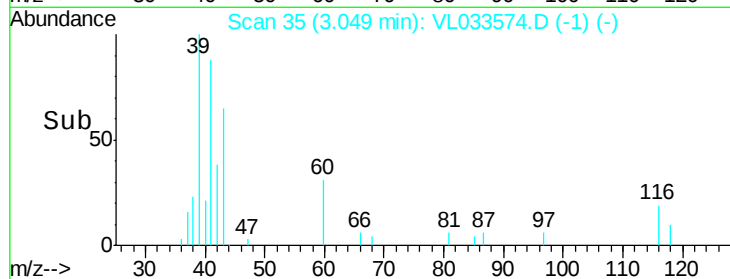
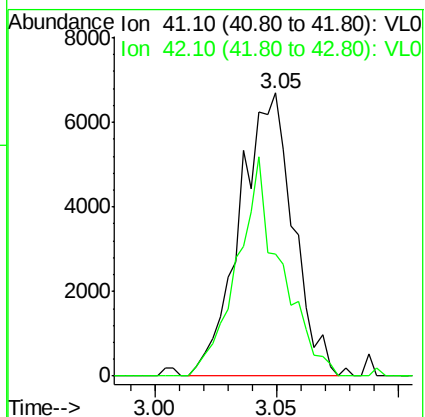
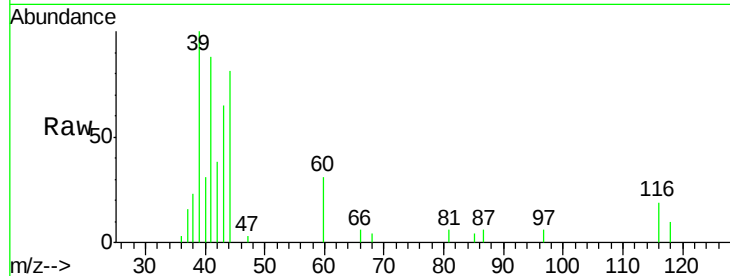
Ion Ratio Lower Upper

41 100

42 63.6 53.9 80.9

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#13

Ethanol

Concen: 3.224 ppbv m

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033574.D

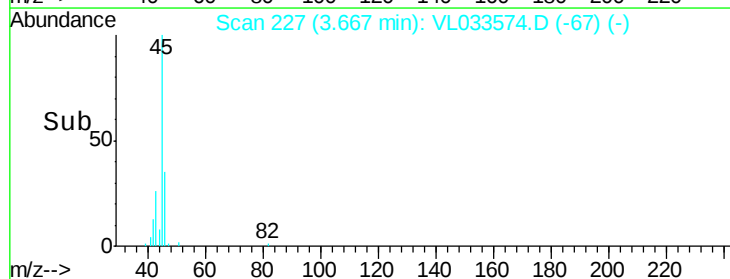
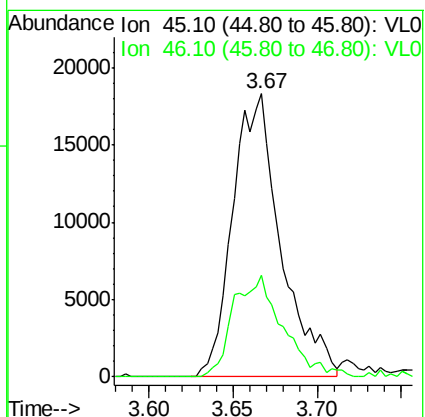
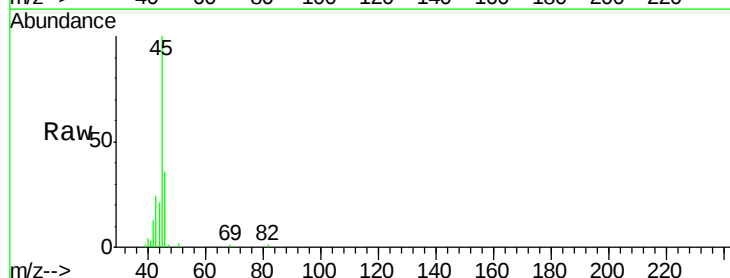
Acq: 10 Apr 2019 21:37

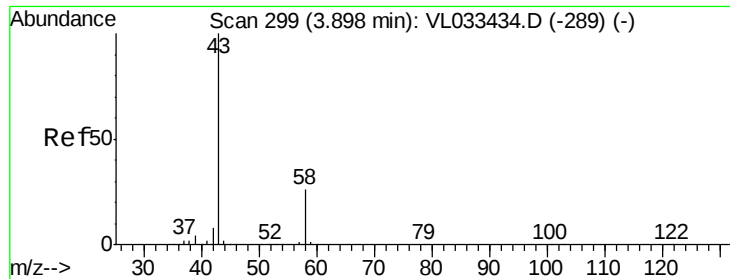
Tgt Ion: 45 Resp: 36340

Ion Ratio Lower Upper

45 100

46 0.0 25.4 101.8#





#15

Acetone

Concen: 0.553 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033574.D

Acq: 10 Apr 2019 21:37

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 43 Resp: 59865

Ion Ratio Lower Upper

43 100

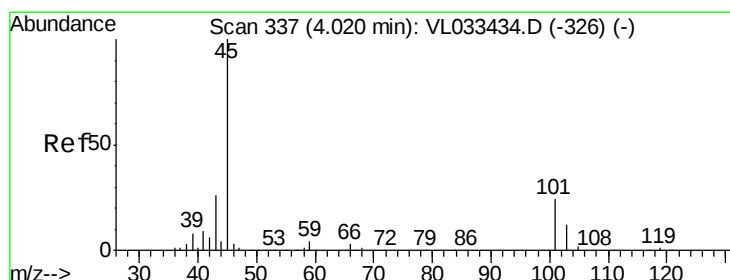
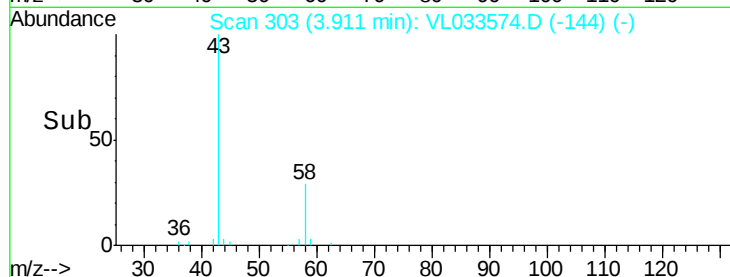
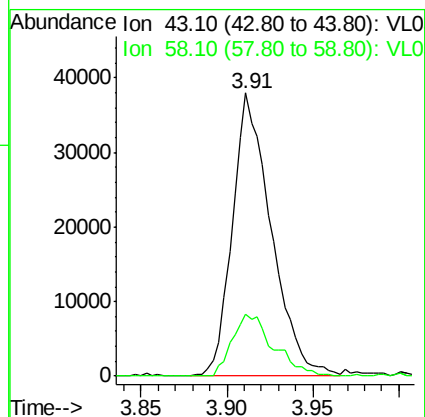
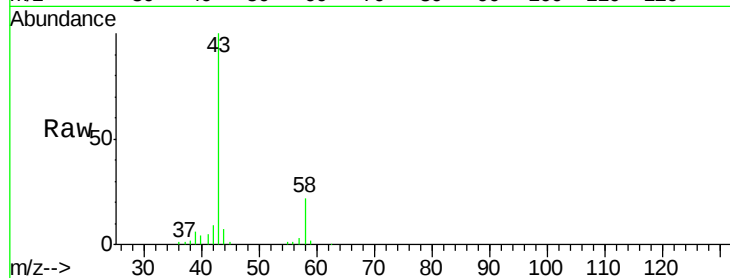
58 23.2 20.5 30.7

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#19

Isopropyl Alcohol

Concen: 0.130 ppbv m

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033574.D

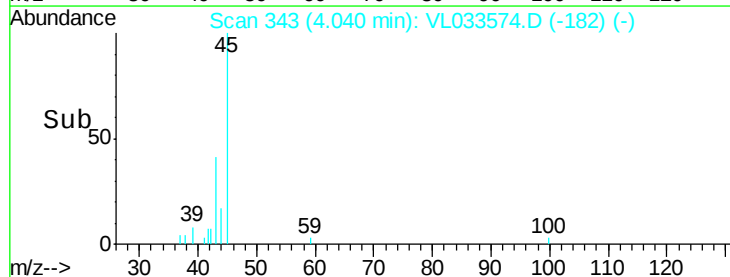
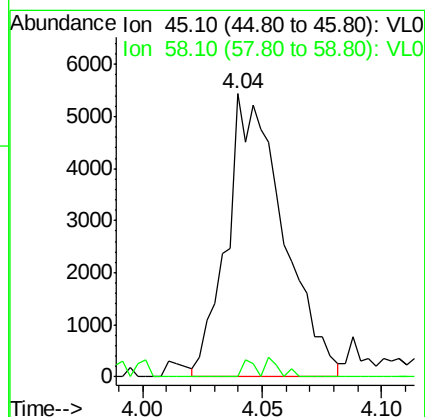
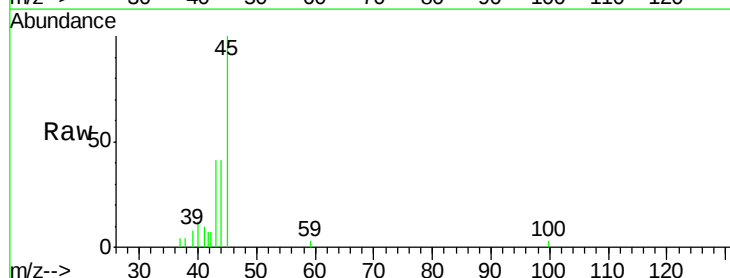
Acq: 10 Apr 2019 21:37

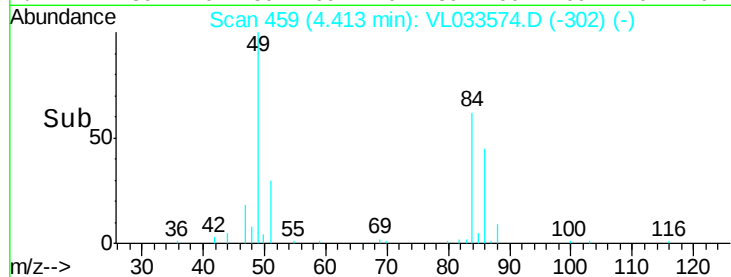
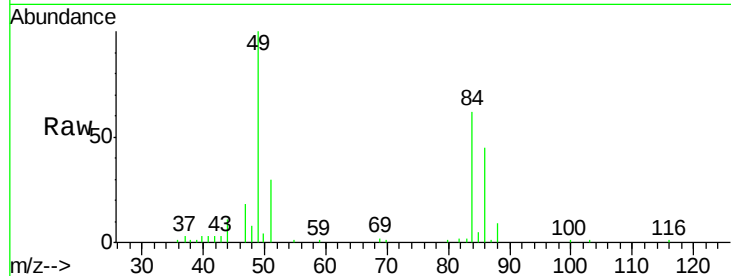
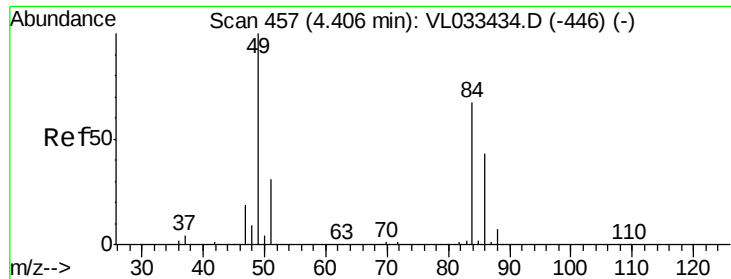
Tgt Ion: 45 Resp: 8889

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#





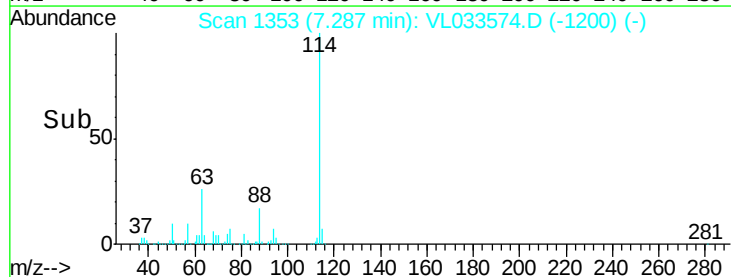
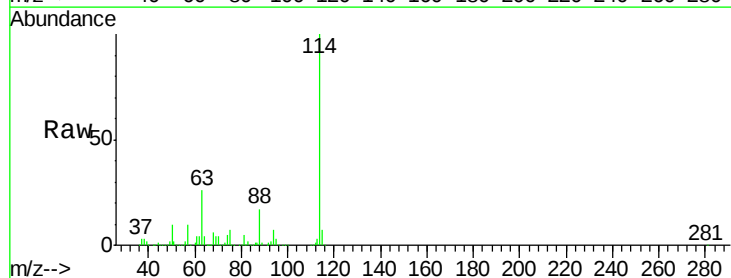
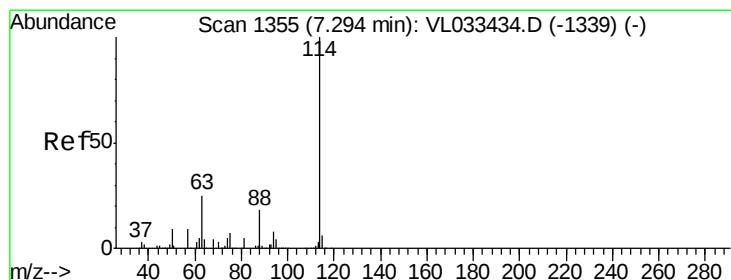
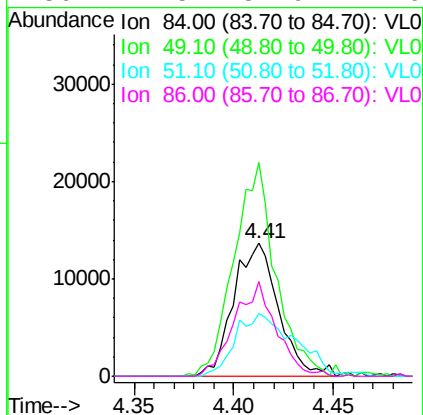
#20
Methylene Chloride
Concen: 0.467 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033574.D
Acq: 10 Apr 2019 21:37

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	160.5	120.0	180.0	
51	47.5	36.7	55.1	
86	71.5	51.9	77.9	

Instrument :
MSVOA_L
ClientSampled :
IA1DL

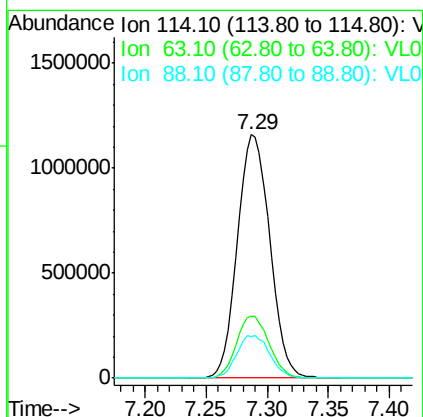
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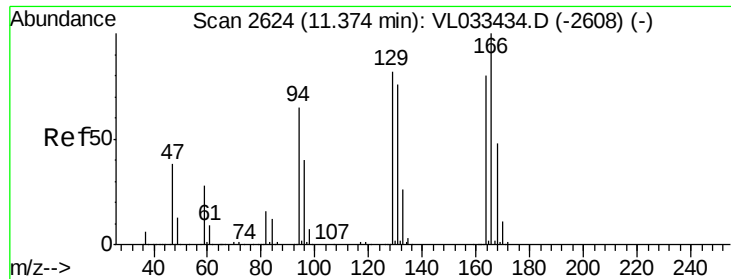
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033574.D
Acq: 10 Apr 2019 21:37

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	25.8	21.5	32.3	
88	17.9	14.5	21.7	





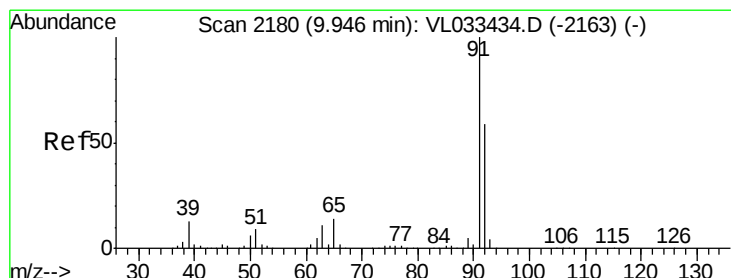
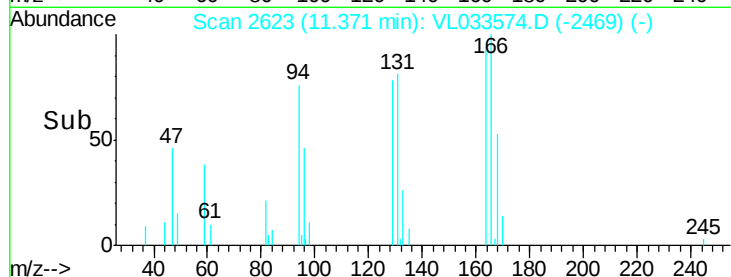
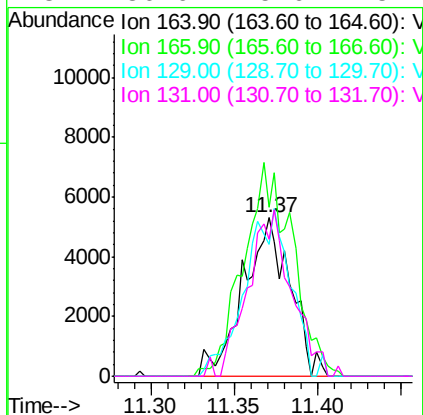
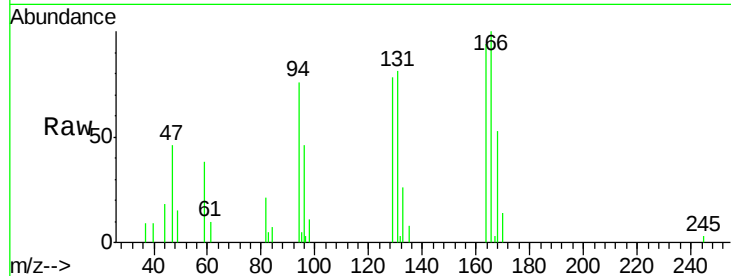
#52
Tetrachloroethene
Concen: 0.153 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033574.D
Acq: 10 Apr 2019 21:37

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	106.7	99.5	149.3
129	82.8	81.4	122.2
131	86.6	75.6	113.4

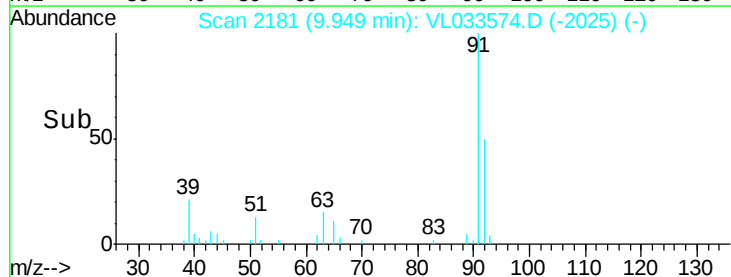
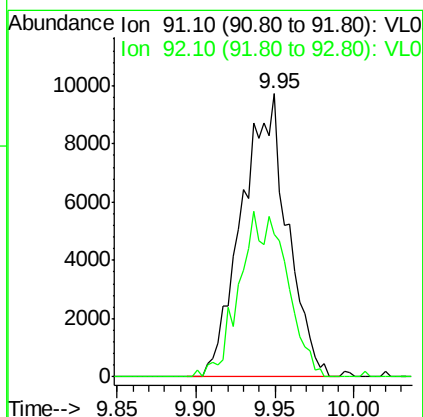
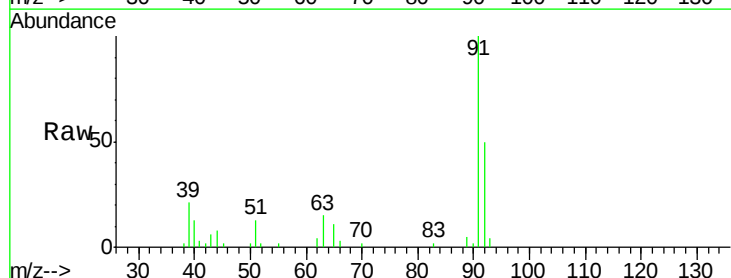
Manual Integrations
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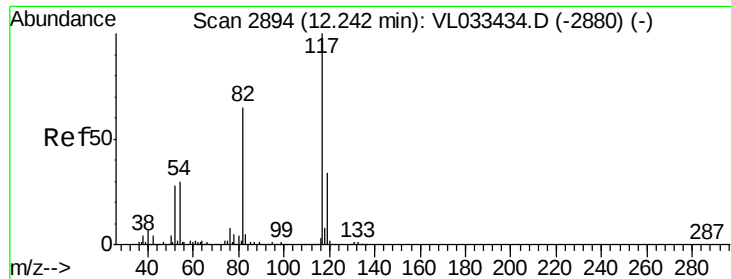
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#53
Toluene
Concen: 0.093 ppbv m
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033574.D
Acq: 10 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.4	71.0





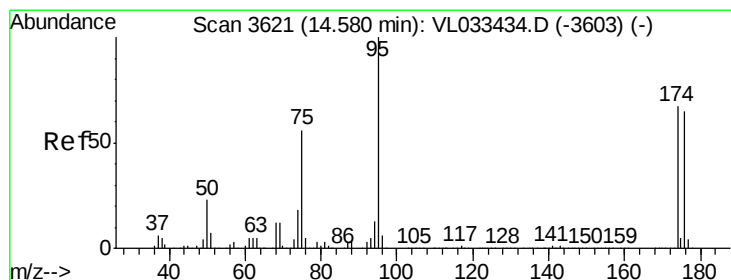
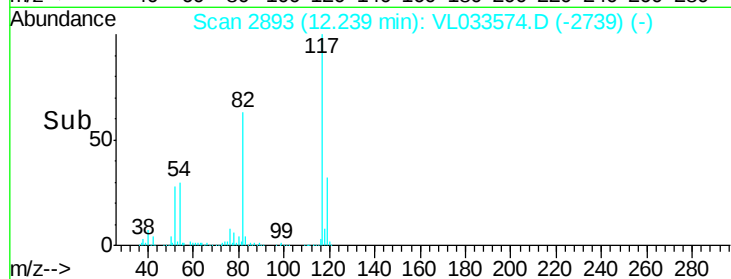
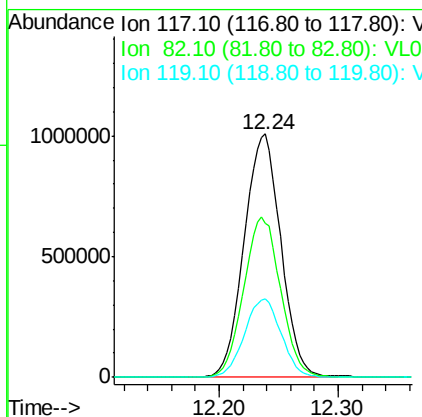
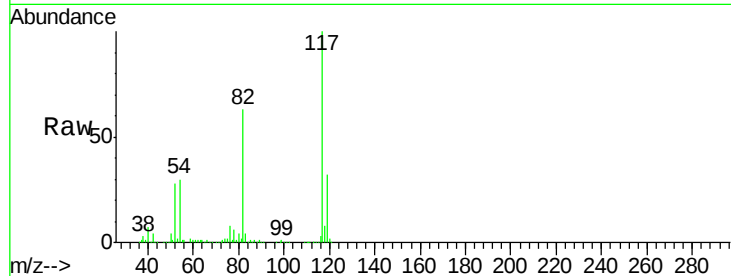
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033574.D
Acq: 10 Apr 2019 21:37

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.3	51.5	77.3
119	32.5	25.5	38.3

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.052 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033574.D
Acq: 10 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.4	52.9	79.3
175	4.8	3.8	5.6

