

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032019\
 Data File : VL033412.D
 Acq On : 21 Mar 2019 5:29
 Operator : SY/AP
 Sample : K1976-03 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:26:41 AM

Quant Time: Mar 24 16:28:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	768859	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1813029	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1727042	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1344300	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	83093	0.942	ppbv	97
13) Ethanol	3.65	45	18290m	0.974	ppbv	
15) Acetone	3.90	43	2140495	17.909	ppbv	96
29) Chloroform	5.85	83	17656m	0.139	ppbv	
31) cis-1,2-Dichloroethene	5.64	61	40277	0.519	ppbv	93
34) 2-Butanone	5.34	43	200819	1.687	ppbv	100
38) Trichloroethene	7.96	130	391423	6.375	ppbv	97
52) Tetrachloroethene	11.43	164	26794136	396.382	ppbv	88
53) Toluene	9.95	91	29908	0.162	ppbv	97
59) m/p-Xylene	13.13	91	51167m	0.244	ppbv	
60) o-Xylene	13.86	91	28330m	0.138	ppbv	
74) 1,2,4-Trimethylbenzene	16.93	105	39518m	0.165	ppbv	

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

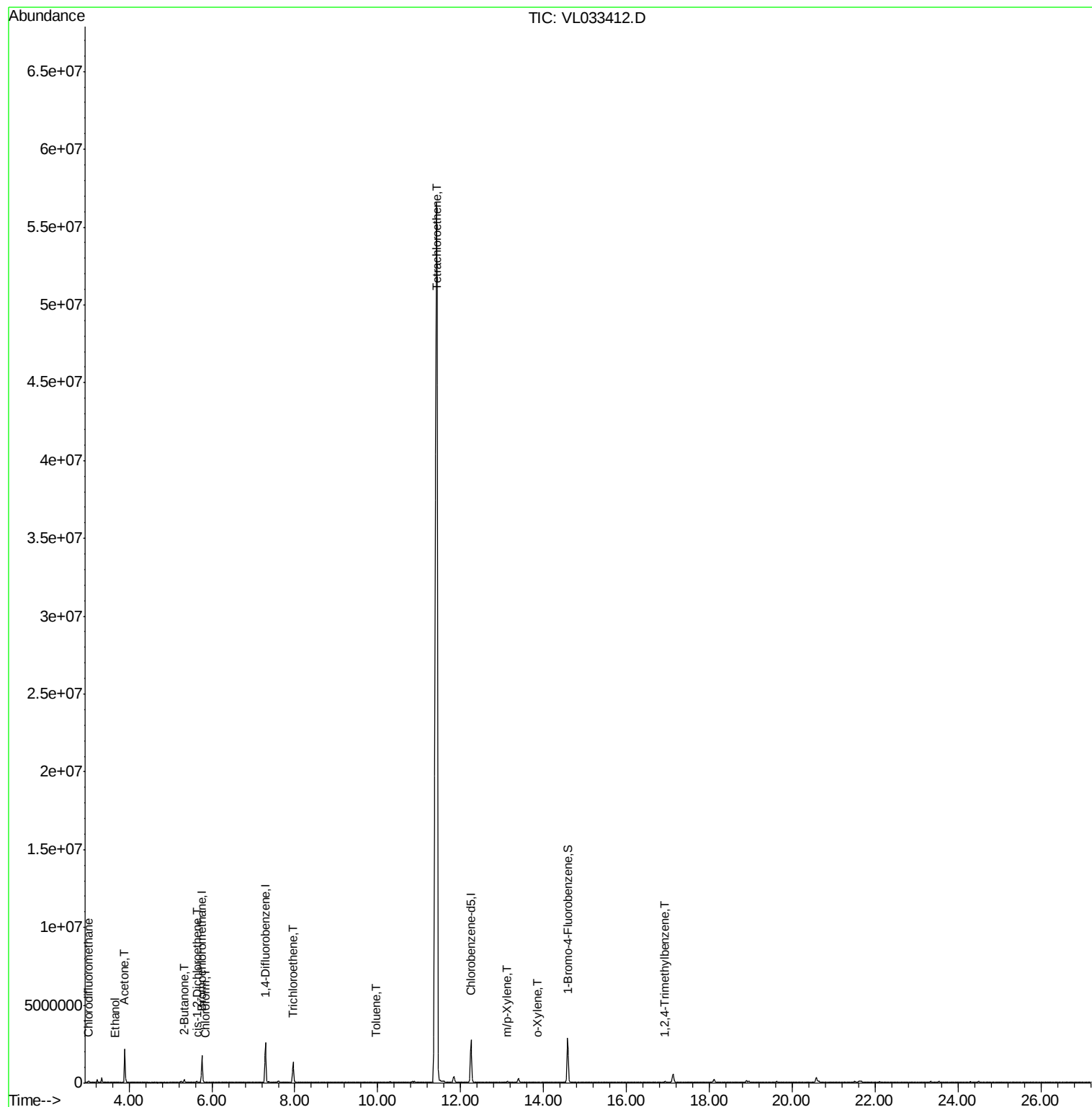
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032019\
Data File : VL033412.D
Acq On : 21 Mar 2019 5:29
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

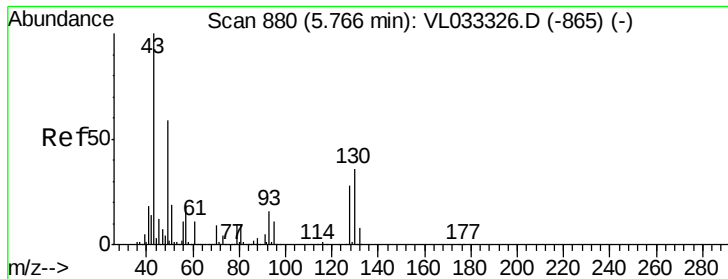
Instrument :
MSVOA_L
ClientSampleId :
SV1

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Quant Time: Mar 24 16:28:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033412.D

Acq: 21 Mar 2019 5:29

Instrument :

MSVOA_L

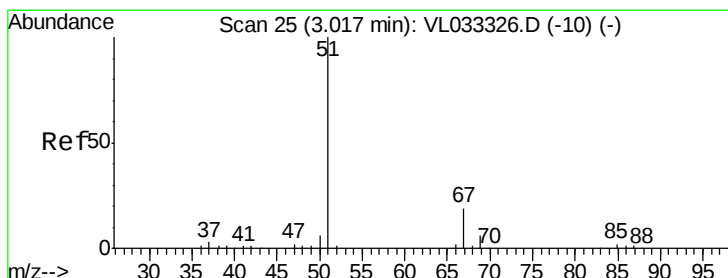
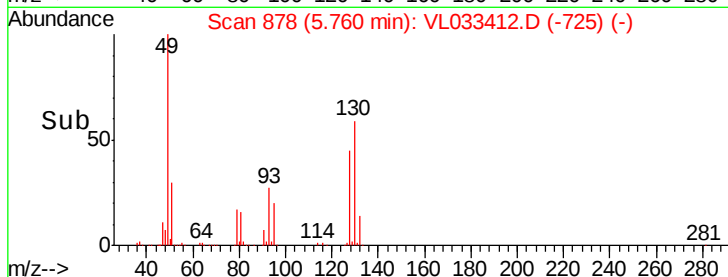
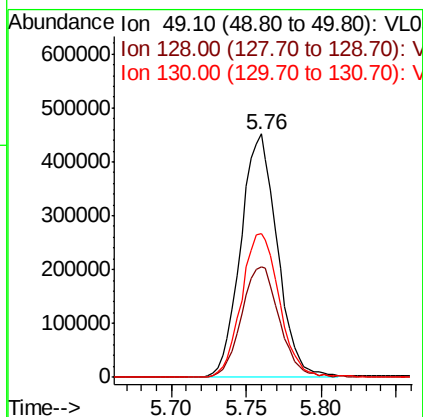
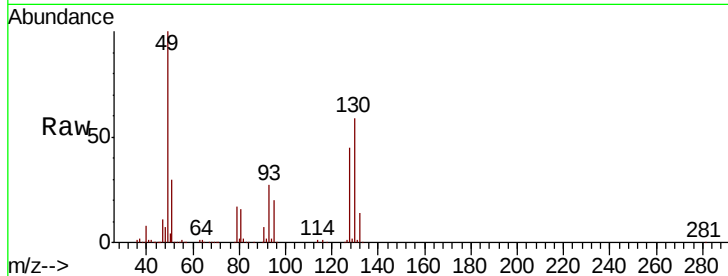
ClientSampled :

SV1

Tot Ion:	49	Resp:	768859
Ion Ratio	Lower	Upper	
49	100		
128	47.2	23.5	70.6
130	61.5	30.1	90.3

Manual Integrations
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#3

Chlorodifluoromethane

Concen: 0.942 ppbv

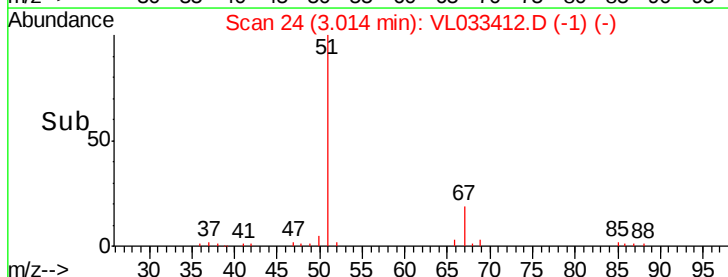
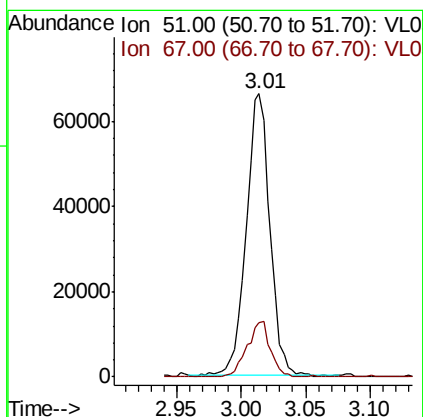
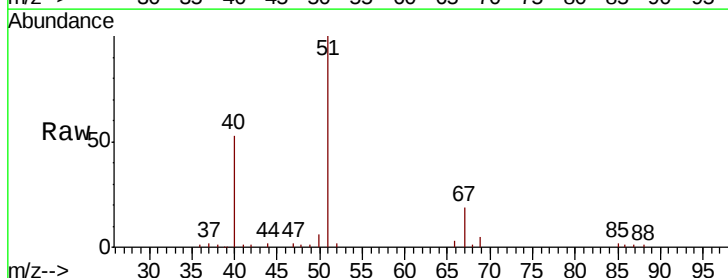
RT: 3.01 min Scan# 24

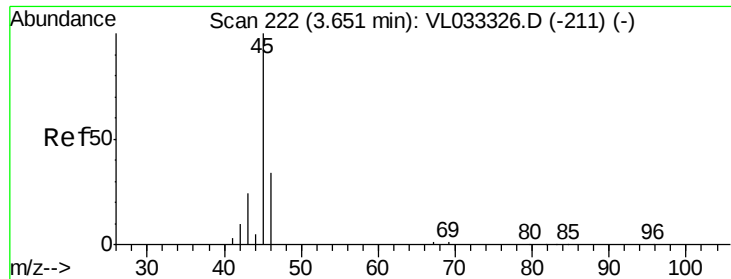
Delta R.T. -0.00 min

Lab File: VL033412.D

Acq: 21 Mar 2019 5:29

Tgt Ion:	51	Resp:	83093
Ion Ratio	Lower	Upper	
51	100		
67	19.8	14.9	22.3





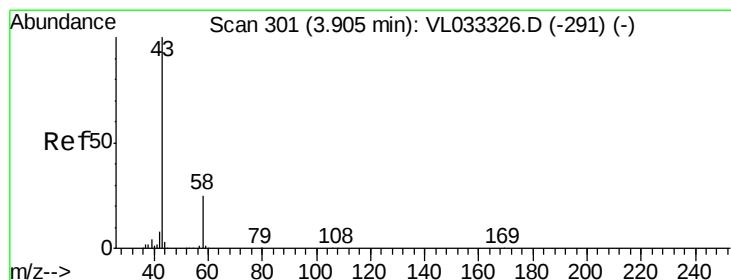
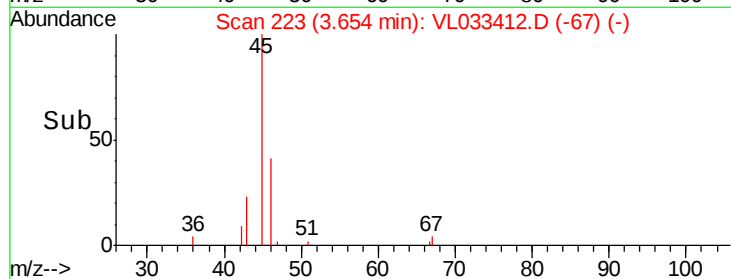
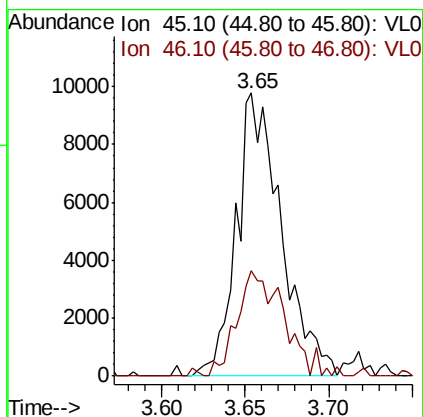
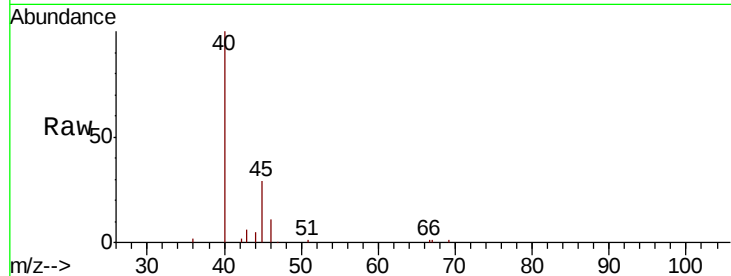
#13
Ethanol
Concen: 0.974 ppbv m
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033412.D
Acq: 21 Mar 2019 5:29

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	45	46	Ratio	Lower	Upper
18290	100	40.1		14.9	59.7

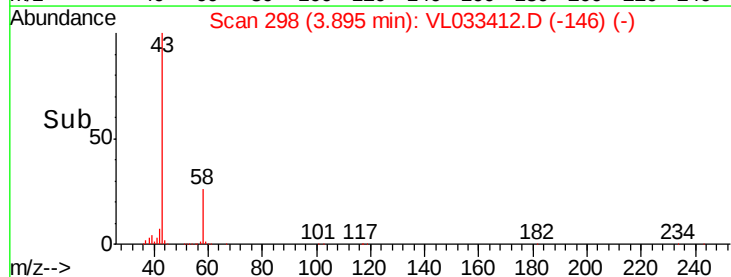
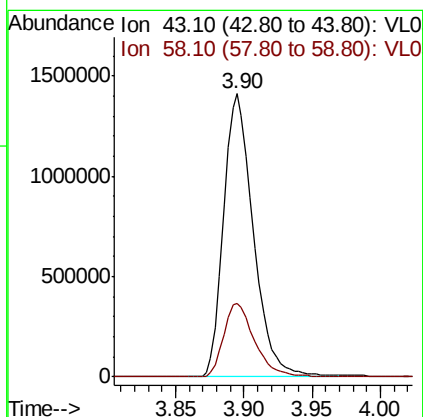
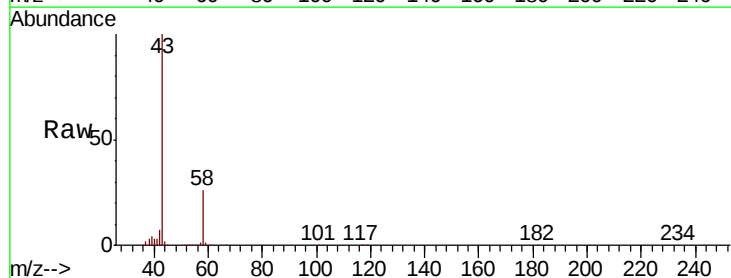
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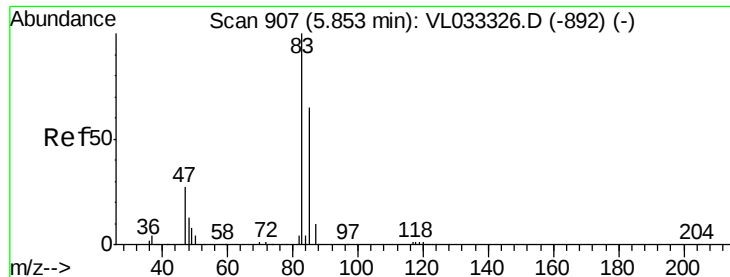
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#15
Acetone
Concen: 17.909 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.01 min
Lab File: VL033412.D
Acq: 21 Mar 2019 5:29

Tgt Ion	43	58	Ratio	Lower	Upper
2140495	100	27.3		20.4	30.6





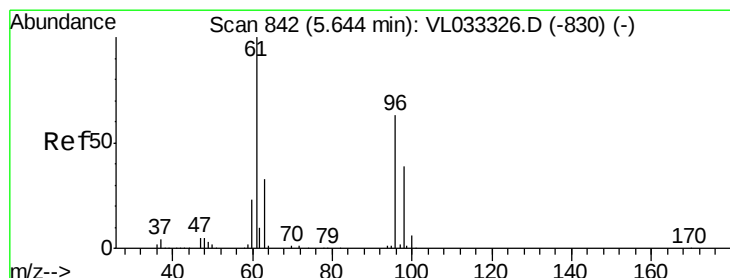
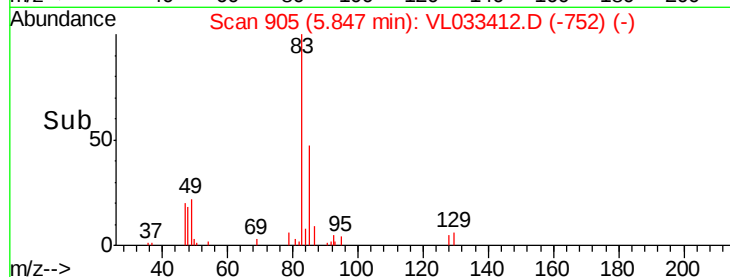
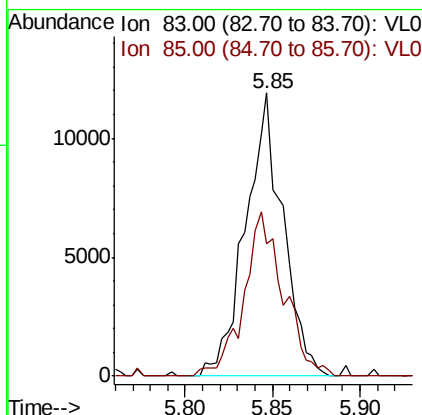
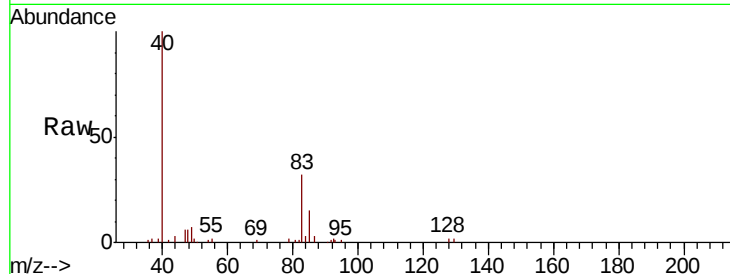
#29
Chloroform
Concen: 0.139 ppbv m
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033412.D
Acq: 21 Mar 2019 5:29

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	83	Resp	17656
Ion Ratio	100	Lower	Upper
85	46.6	52.0	78.0#

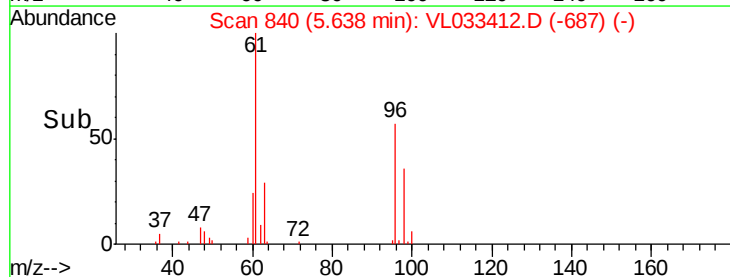
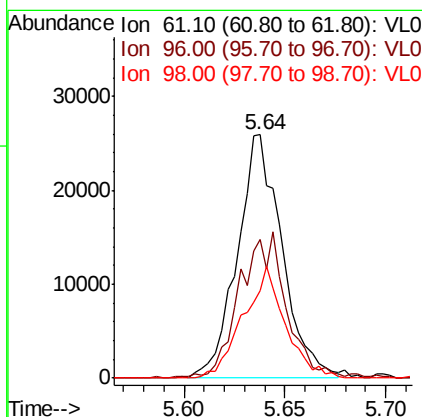
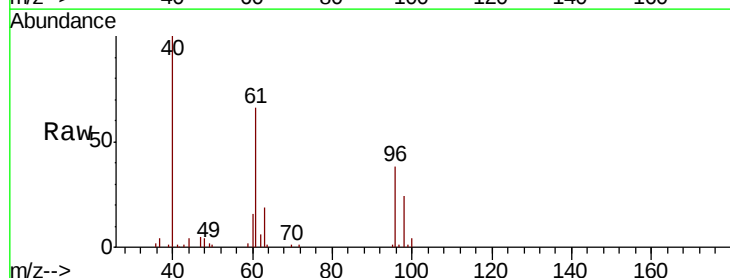
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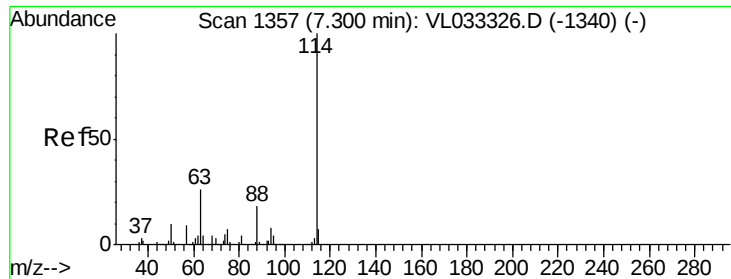
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#31
cis-1,2-Dichloroethene
Concen: 0.519 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033412.D
Acq: 21 Mar 2019 5:29

Tgt Ion	61	Resp	40277
Ion Ratio	100	Lower	Upper
96	56.5	50.3	75.5
98	35.8	31.5	47.3





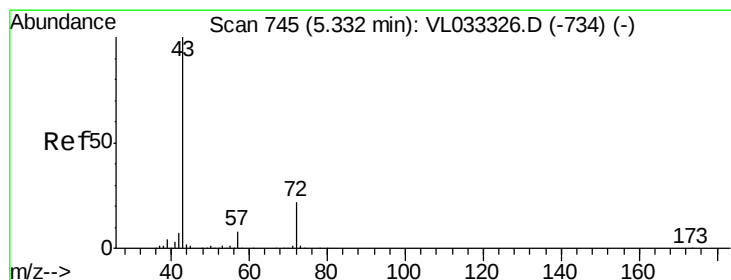
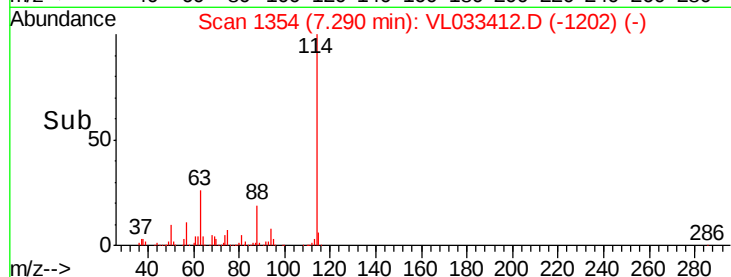
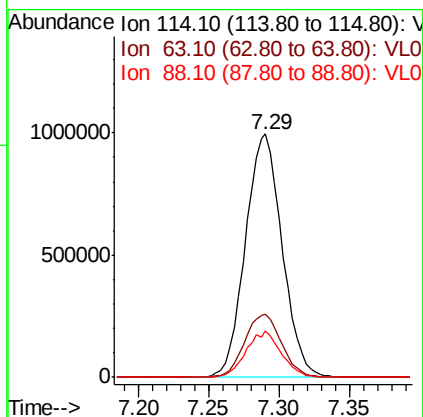
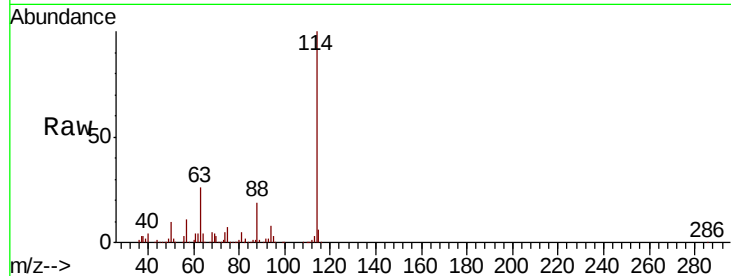
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033412.D
 Acq: 21 Mar 2019 5:29

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.4	32.2
88	18.2	14.5	21.7

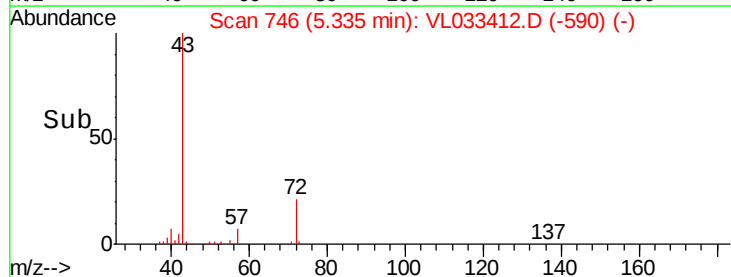
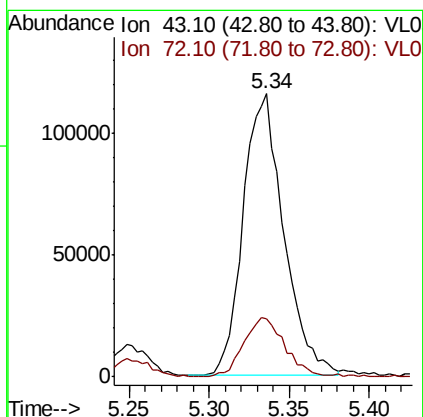
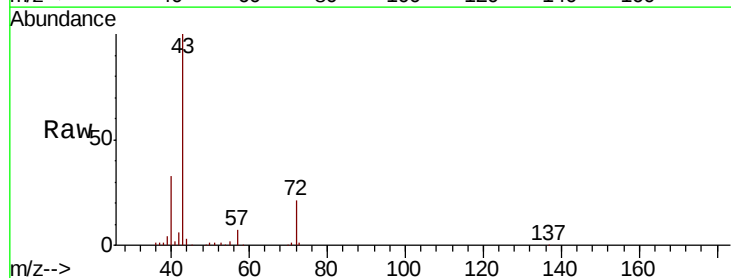
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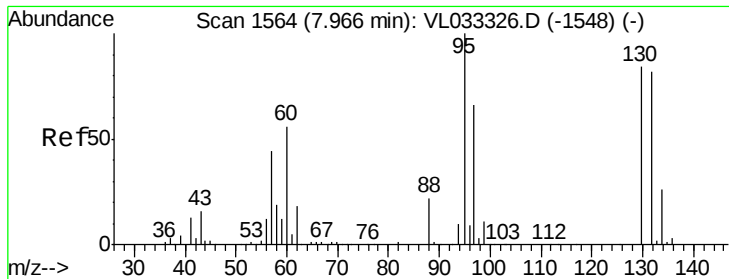
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#34
 2-Butanone
 Concen: 1.687 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL033412.D
 Acq: 21 Mar 2019 5:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.7	26.5





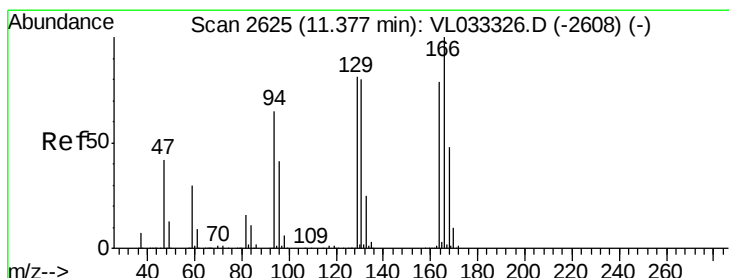
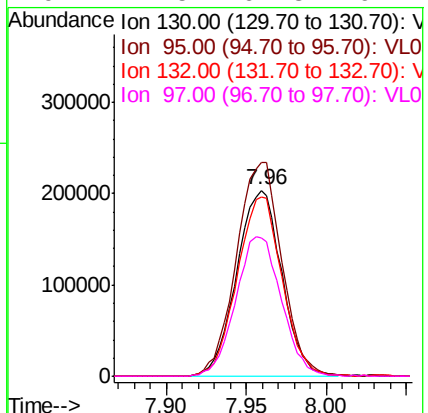
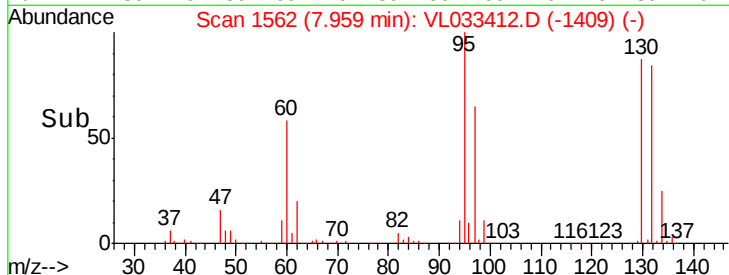
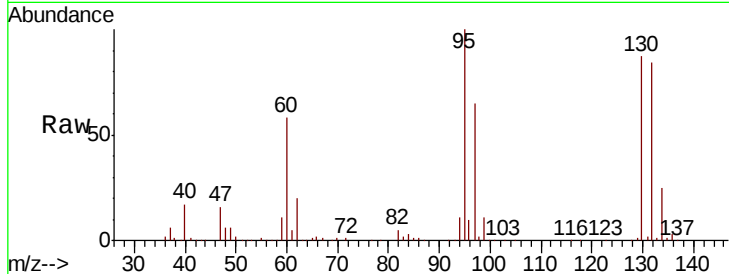
#38
 Trichloroethene
 Concen: 6.375 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL033412.D
 Acq: 21 Mar 2019 5:29

Instrument :
 MSVOA_L
 ClientSampleID :
 SV1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		391423		
95	114.9	95.2	142.8		
132	96.3	77.7	116.5		
97	74.5	62.8	94.2		

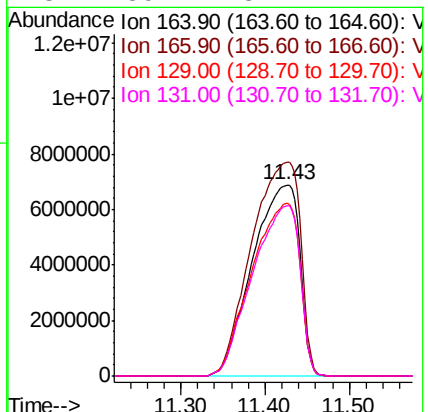
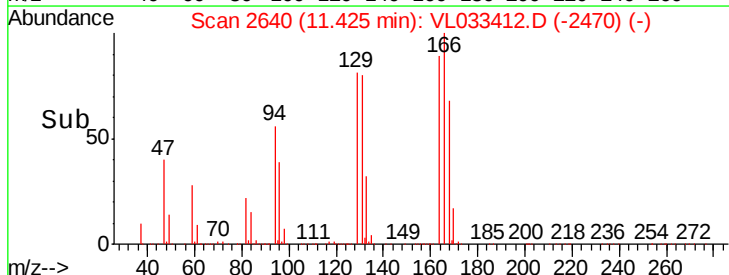
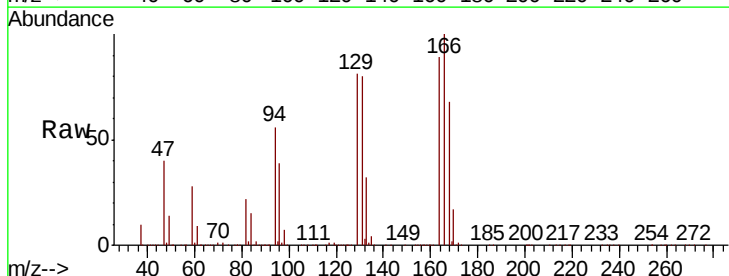
Manual Integrations
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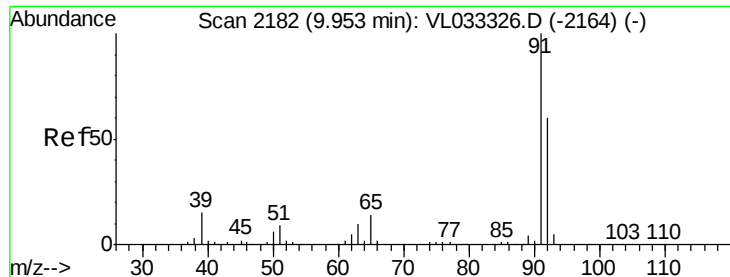
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#52
 Tetrachloroethene
 Concen: 396.382 ppbv
 RT: 11.43 min Scan# 2640
 Delta R.T. 0.05 min
 Lab File: VL033412.D
 Acq: 21 Mar 2019 5:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		26794136		
166	111.8	101.5	152.3		
129	90.4	82.2	123.2		
131	89.2	81.1	121.7		





#53

Toluene

Concen: 0.162 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033412.D

Acq: 21 Mar 2019 5:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 91 Resp: 29908

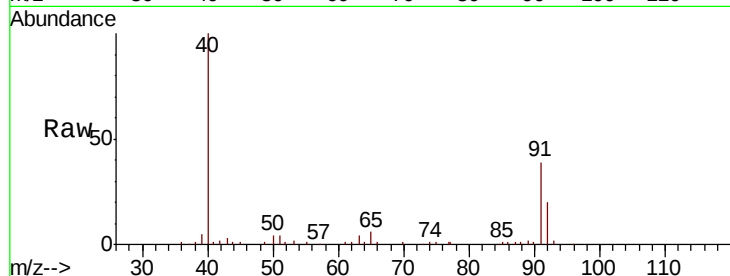
Ion Ratio Lower Upper

91 100

92 61.2 47.4 71.0

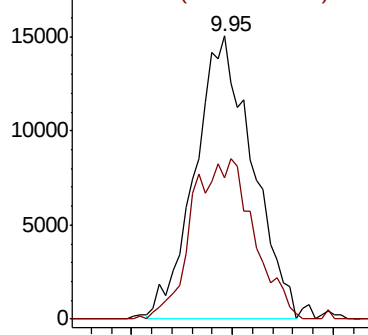
Manual Integrations
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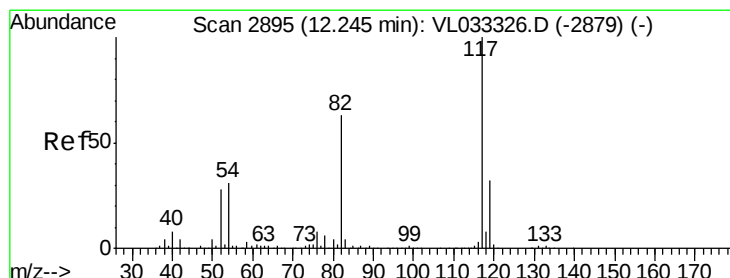
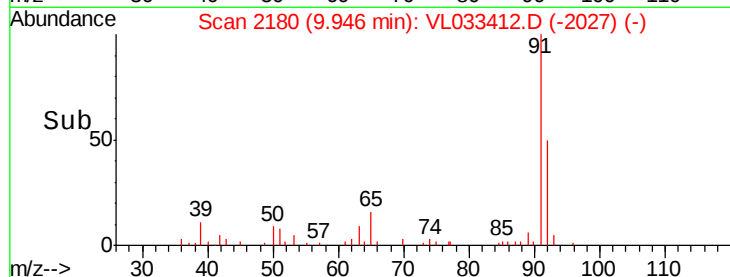


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VL033412.D

Acq: 21 Mar 2019 5:29

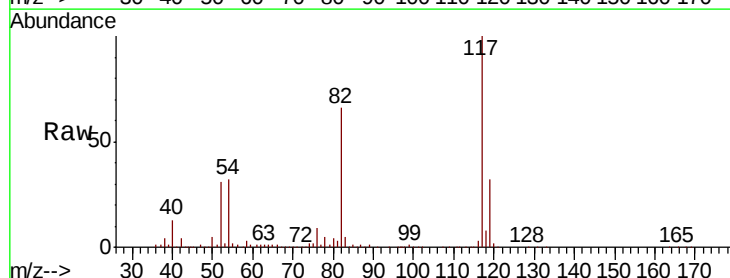
Tgt Ion: 117 Resp: 1727042

Ion Ratio Lower Upper

117 100

82 66.7 53.4 80.2

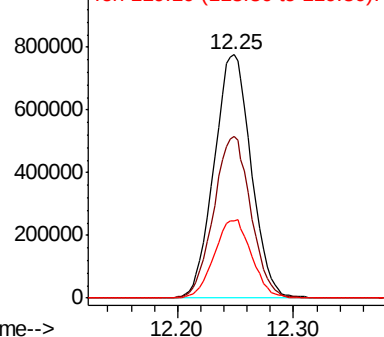
119 32.4 27.3 40.9



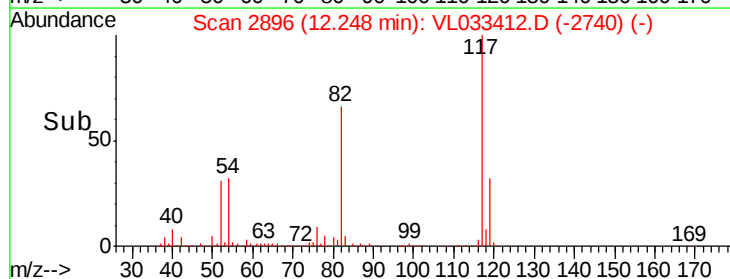
Abundance Ion 117.10 (116.80 to 117.80): V

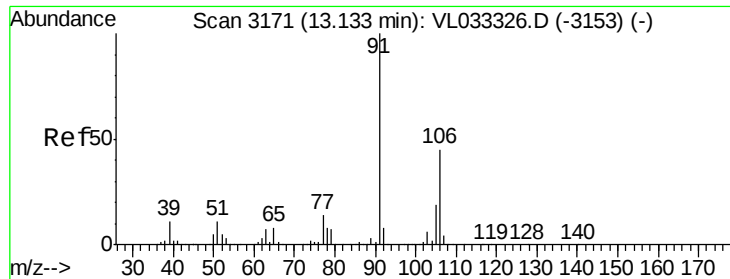
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time-->





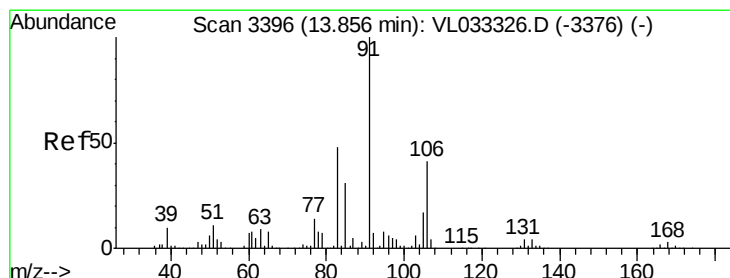
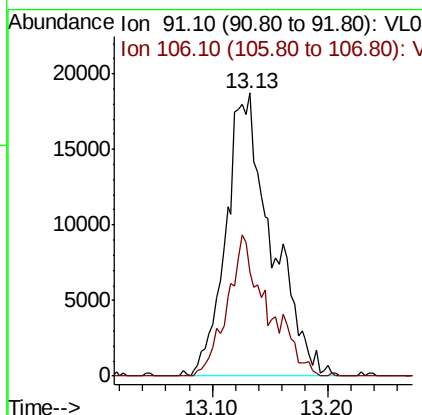
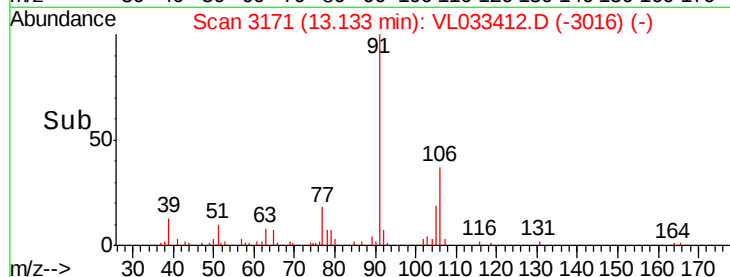
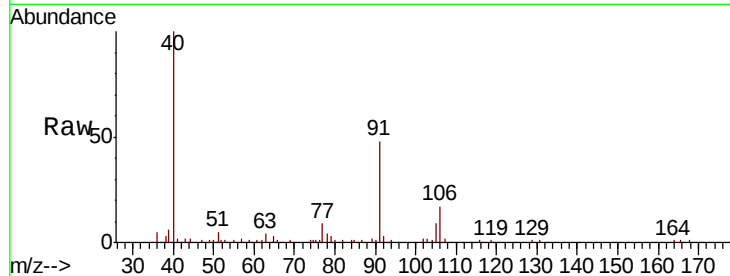
#59
m/p-Xylene
Concen: 0.244 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL033412.D
Acq: 21 Mar 2019 5:29

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

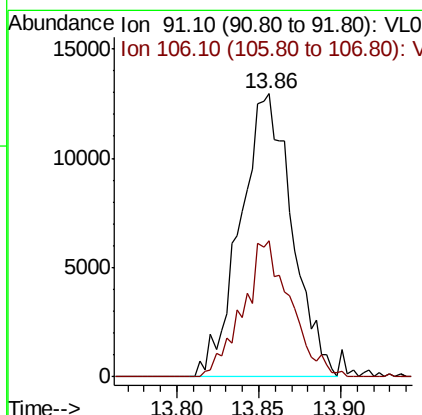
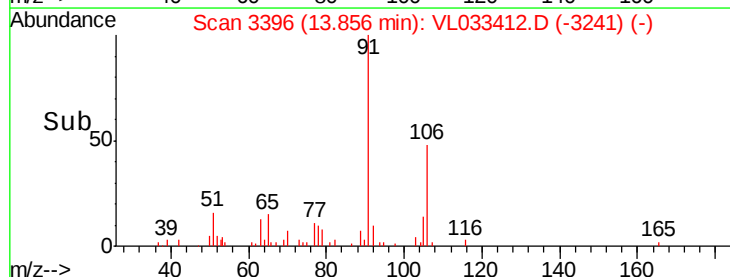
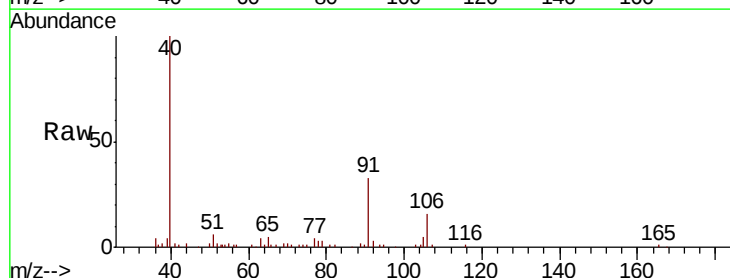
Manual Integrations
APPROVED

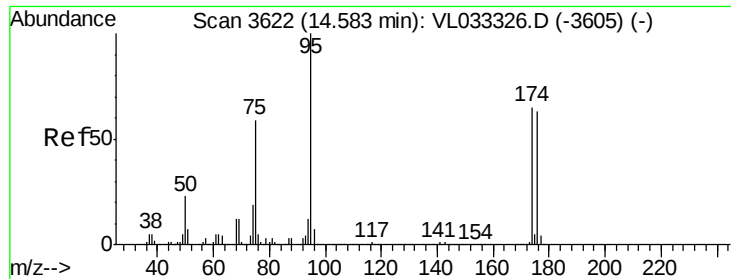
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#60
o-Xylene
Concen: 0.138 ppbv m
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033412.D
Acq: 21 Mar 2019 5:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	44.3	21.3	63.9





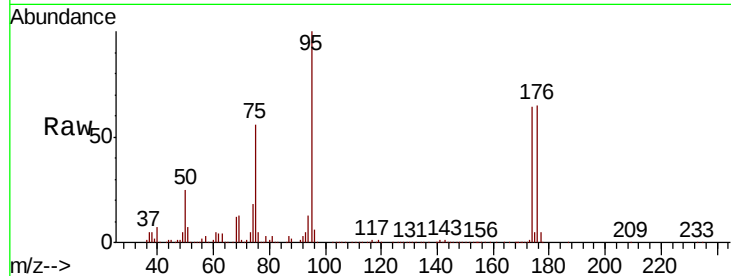
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.505 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033412.D
 Acq: 21 Mar 2019 5:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

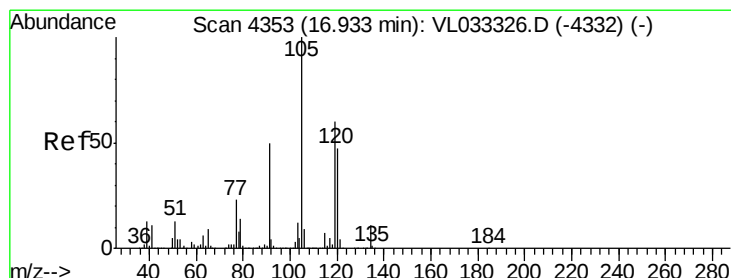
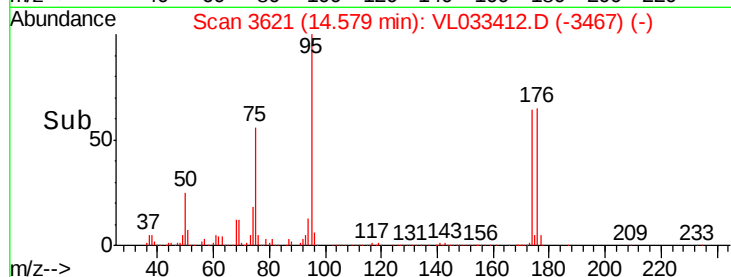
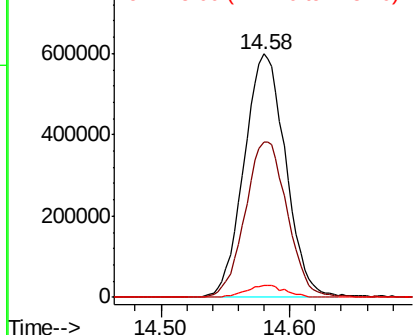
Tot Ion: 95 Resp: 1344300
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.5 77.3
 175 4.8 3.8 5.6

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:26:41 AM

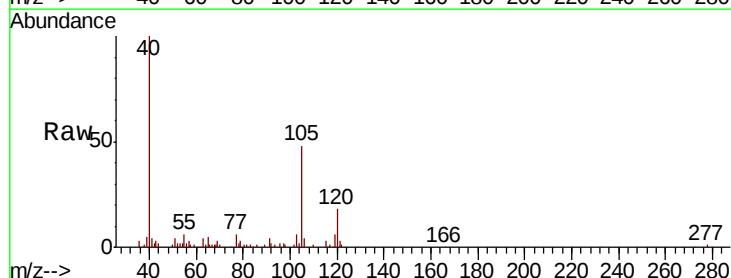


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



#74
 1,2,4-Trimethylbenzene
 Concen: 0.165 ppbv m
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL033412.D
 Acq: 21 Mar 2019 5:29

Tgt Ion: 105 Resp: 39518
 Ion Ratio Lower Upper
 105 100
 120 37.0 37.4 56.2#
 91 8.9 41.0 61.4#
 77 11.9 18.5 27.7#



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

