

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071119\
 Data File : VL034022.D
 Acq On : 11 Jul 2019 18:01
 Operator : SY/AP
 Sample : K3747-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1DL

Manual Integrations
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 7/12/2019 10:46:59 PM

Quant Time: Jul 12 15:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1516298	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.25	114	3859058	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2702139	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.53	95	2145360	9.31	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	23472m	0.341	ppbv	
13) Ethanol	3.63	45	53113m	2.482	ppbv	
15) Acetone	3.88	43	379714	1.489	ppbv #	84
26) Hexane	5.74	57	102247	0.641	ppbv #	41
29) Chloroform	5.81	83	53795m	0.179	ppbv	
31) cis-1,2-Dichloroethene	5.61	61	44138m	0.286	ppbv	
34) 2-Butanone	5.31	43	71818m	0.352	ppbv	
36) Benzene	6.96	78	86171	0.285	ppbv #	91
38) Trichloroethene	7.91	130	31096m	0.231	ppbv	
52) Tetrachloroethene	11.34	164	7543m	0.058	ppbv	
53) Toluene	9.90	91	287379	0.831	ppbv	98
58) Ethyl Benzene	12.82	91	55153m	0.170	ppbv	
59) m/p-Xylene	13.08	91	232692m	0.791	ppbv	
60) o-Xylene	13.80	91	66140m	0.225	ppbv	
74) 1,2,4-Trimethylbenzene	16.88	105	64548m	0.166	ppbv	

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

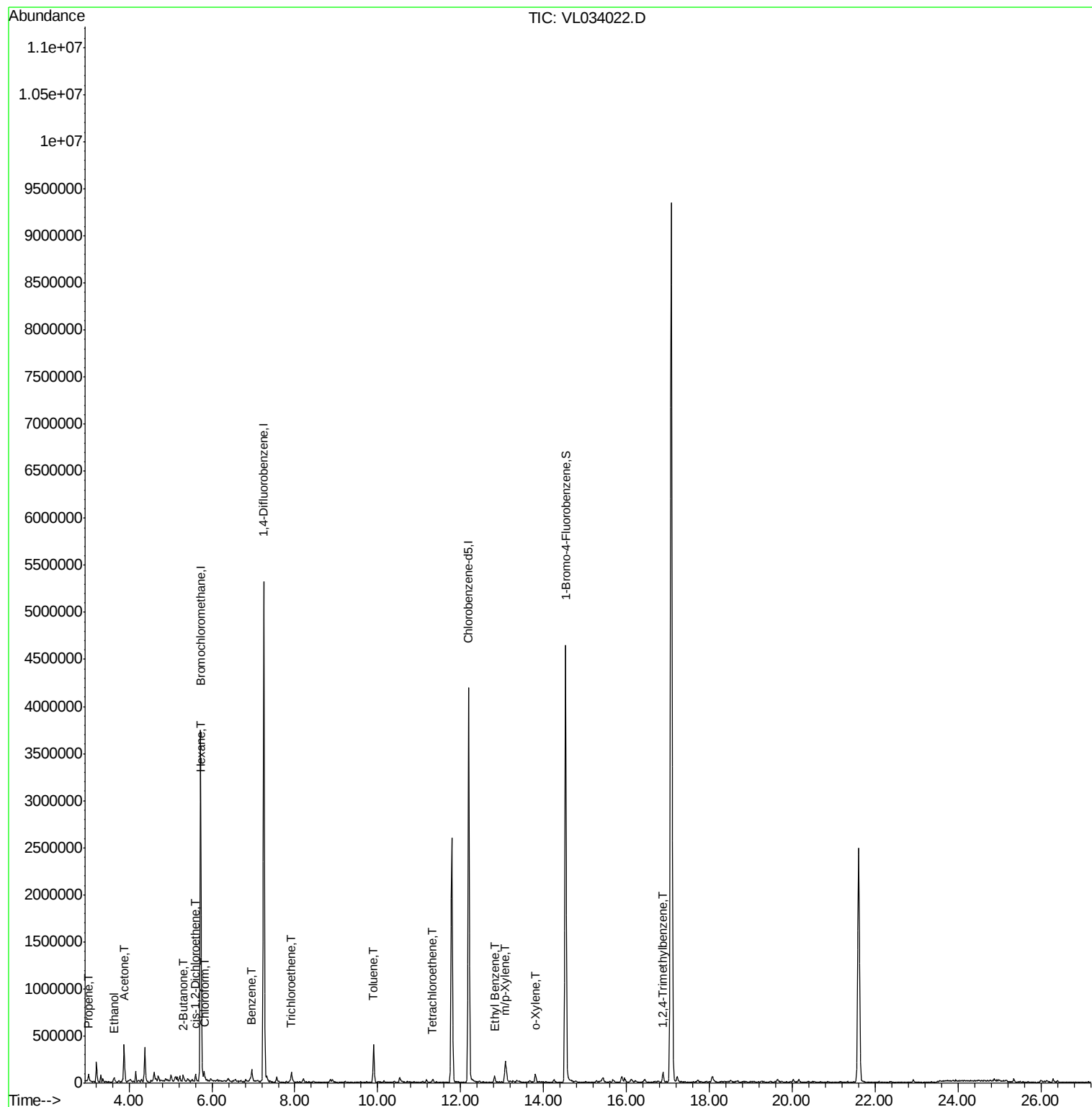
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071119\
Data File : VL034022.D
Acq On : 11 Jul 2019 18:01
Operator : SY/AP
Sample : K3747-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

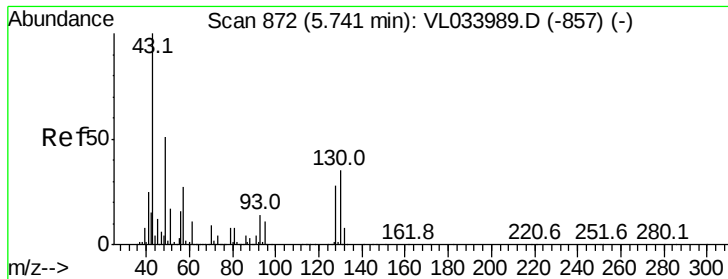
Instrument :
MSVOA_L
ClientSampleId :
SVS-1DL

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Quant Time: Jul 12 15:53:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

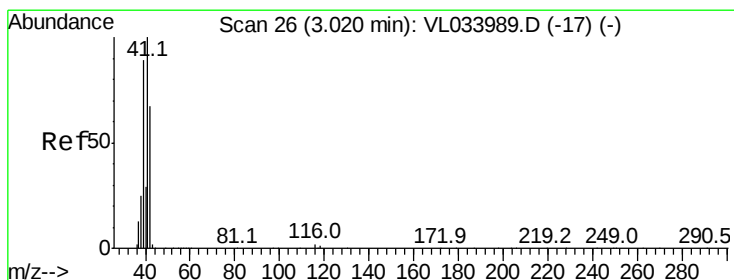
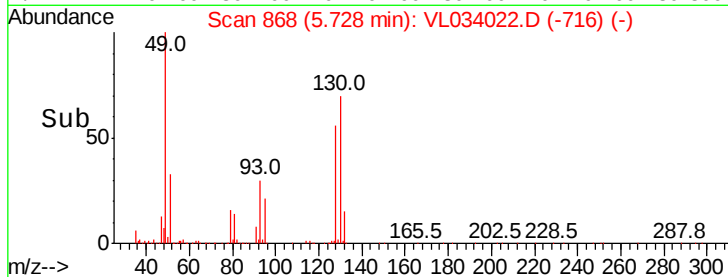
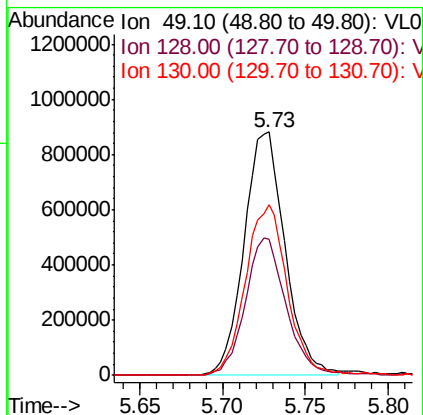
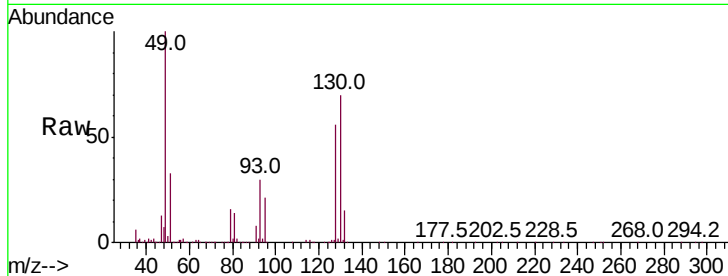
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.73 min Scan# 868
Delta R.T. -0.01 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Instrument :
MSVOA_L
ClientSampled :
SVS-1DL

Tot Ion: 49 Resp: 1516298
Ion Ratio Lower Upper
49 100
128 56.6 27.9 83.6
130 72.3 35.8 107.4

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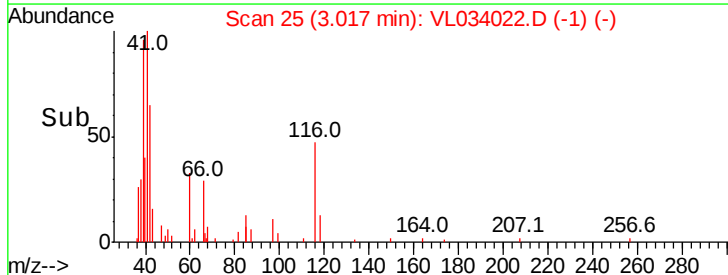
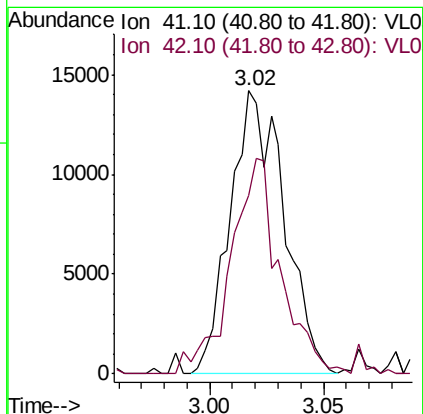
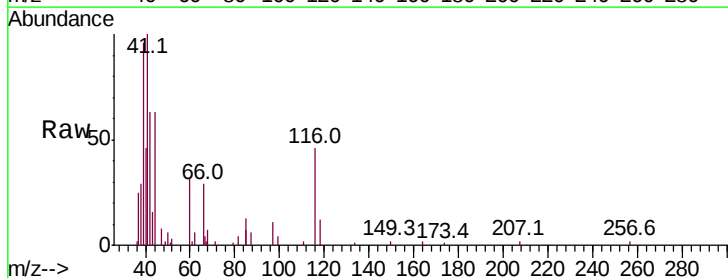
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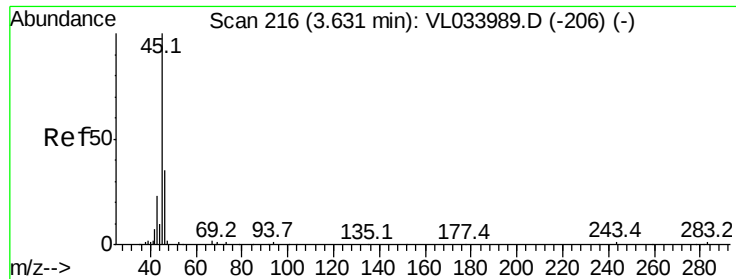


#9

Propene
Concen: 0.341 ppbv m
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Tgt Ion: 41 Resp: 23472
Ion Ratio Lower Upper
41 100
42 70.8 57.1 85.7





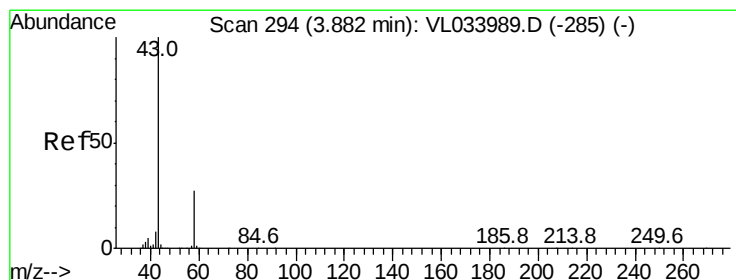
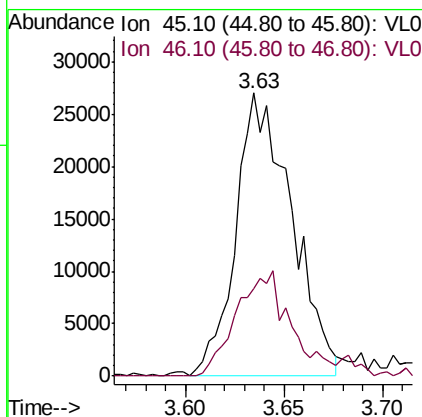
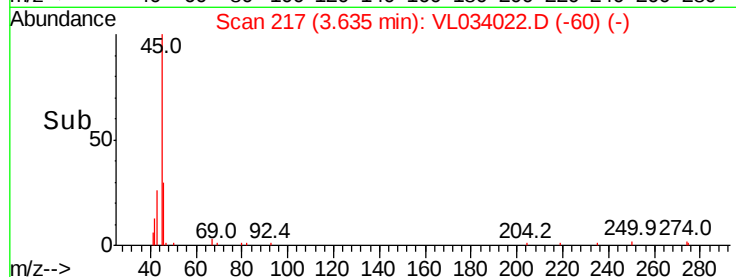
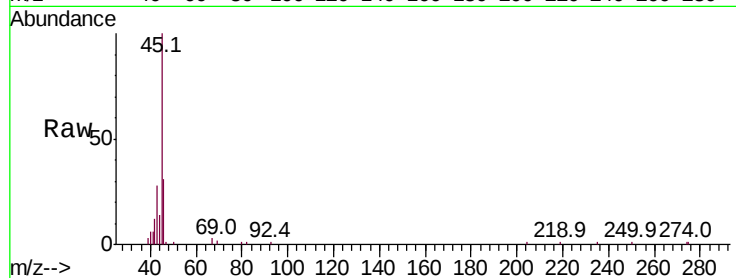
#13
Ethanol
Concen: 2.482 ppbv m
RT: 3.63 min Scan# 217
Delta R.T. 0.00 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Instrument :
MSVOA_L
ClientSampleId :
SVS-1DL

Tot Ion: 45 Resp: 53113
Ion Ratio Lower Upper
45 100
46 39.8 16.2 64.6

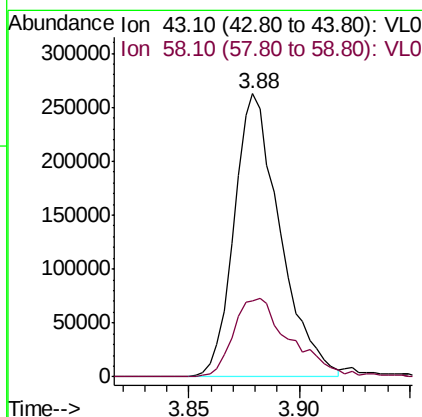
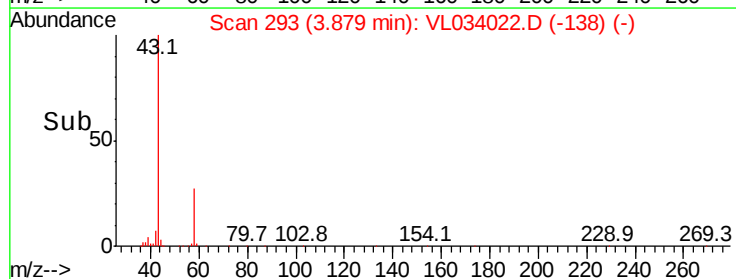
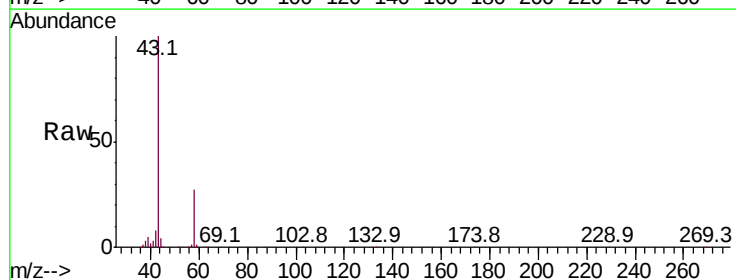
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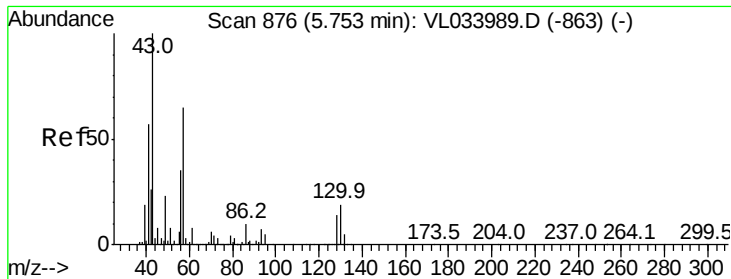
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#15
Acetone
Concen: 1.489 ppbv
RT: 3.88 min Scan# 293
Delta R.T. -0.00 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Tgt Ion: 43 Resp: 379714
Ion Ratio Lower Upper
43 100
58 34.8 21.4 32.0#





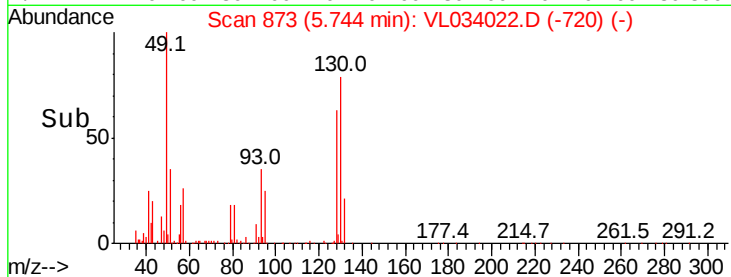
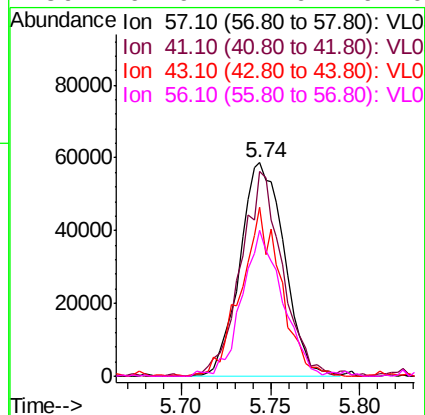
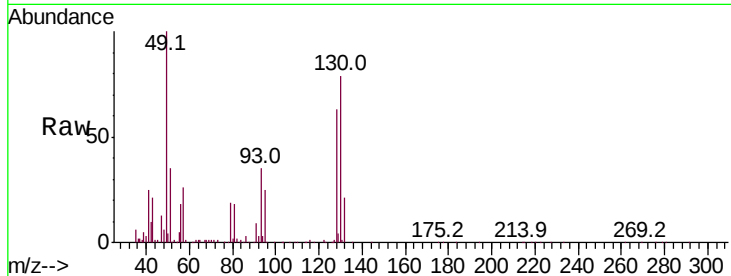
#26
Hexane
Concen: 0.641 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Instrument :
MSVOA_L
ClientSampleId :
SVS-1DL

Tot Ion	57	Resp	102247
Ion Ratio	Lower	Upper	
57	100		
41	90.7	70.6	105.8
43	71.5	177.6	266.4#
56	62.9	42.6	64.0

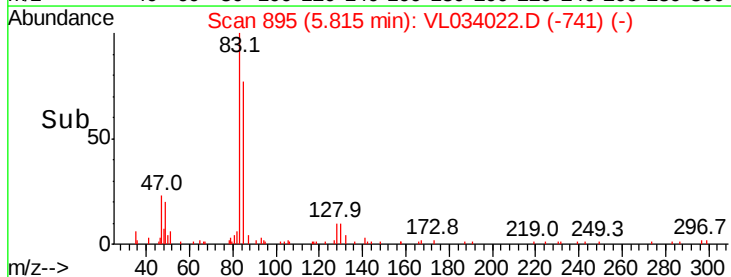
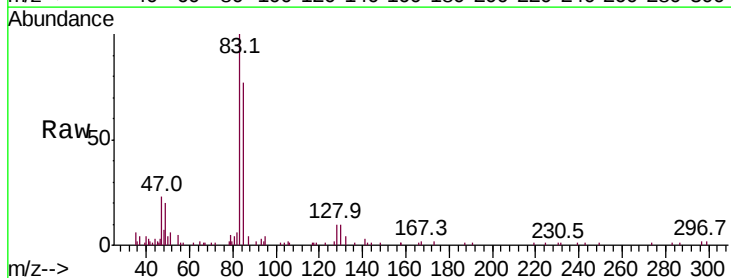
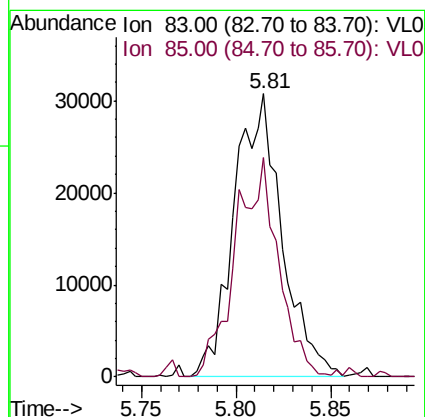
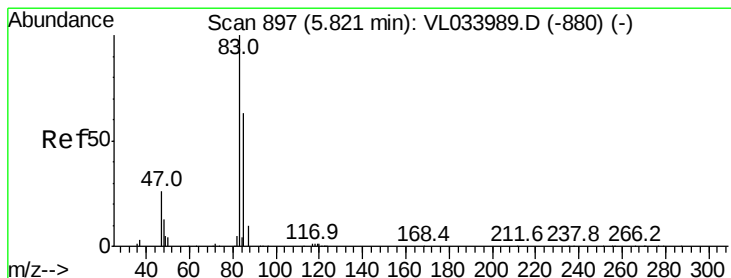
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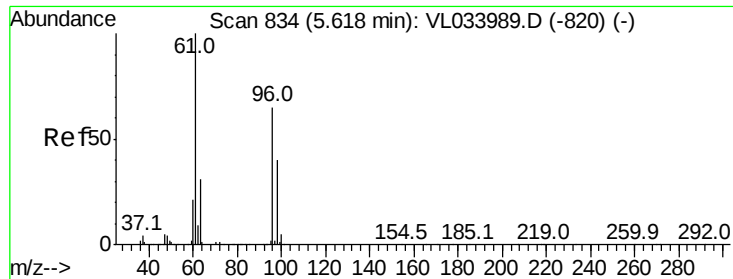
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#29
Chloroform
Concen: 0.179 ppbv m
RT: 5.81 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Tgt Ion	83	Resp	53795
Ion Ratio	Lower	Upper	
83	100		
85	77.4	50.6	75.8#





#31

cis-1,2-Dichloroethene

Concen: 0.286 ppbv m

RT: 5.61 min Scan# 831

Delta R.T. -0.01 min

Lab File: VL034022.D

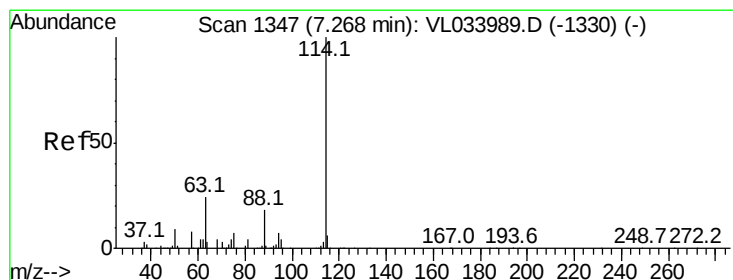
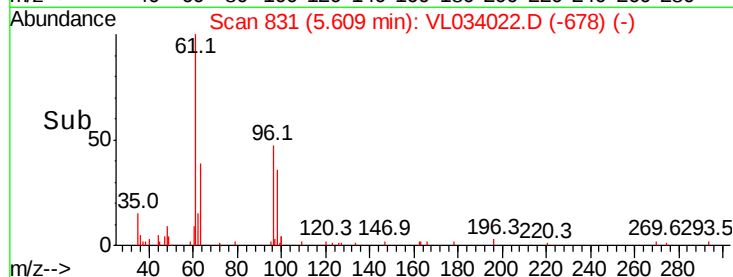
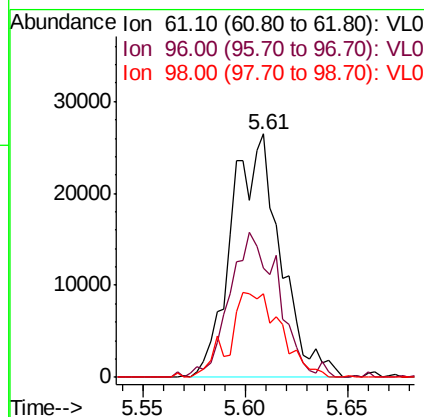
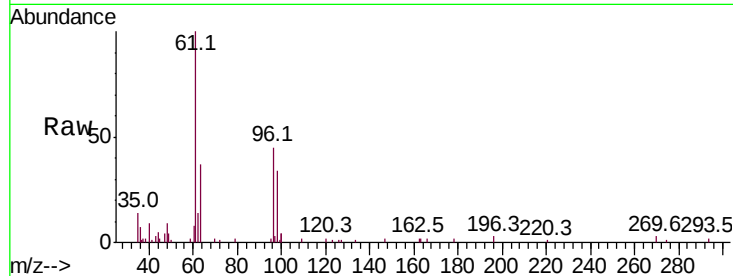
Acq: 11 Jul 2019 18:01

Instrument :
MSVOA_L
ClientSampleId :
SVS-1DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	44.8	51.8	77.6#
98	34.4	32.1	48.1

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

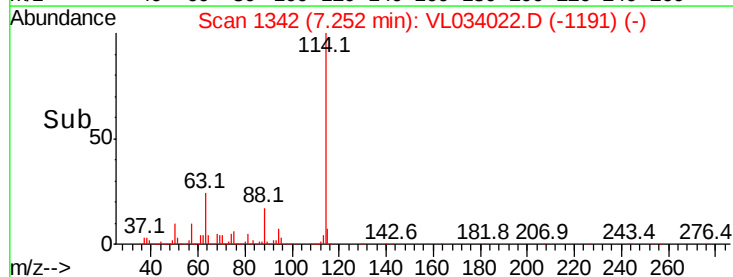
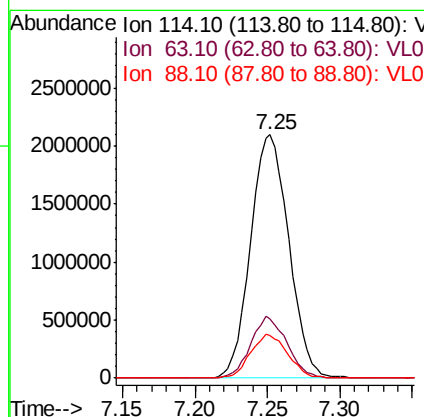
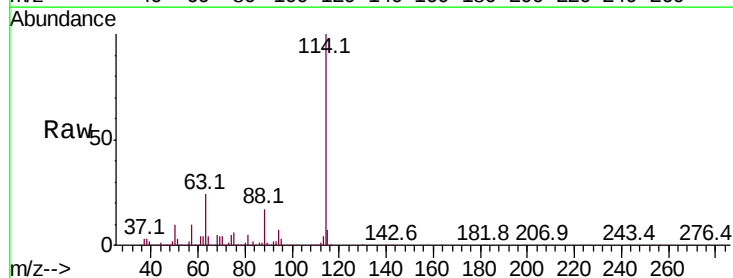
RT: 7.25 min Scan# 1342

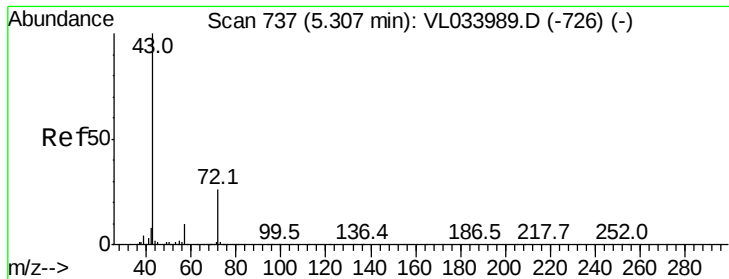
Delta R.T. -0.02 min

Lab File: VL034022.D

Acq: 11 Jul 2019 18:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	20.2	30.2
88	17.5	14.1	21.1





#34

2-Butanone

Concen: 0.352 ppbv m

RT: 5.31 min Scan# 737

Delta R.T. 0.00 min

Lab File: VL034022.D

Acq: 11 Jul 2019 18:01

Instrument :

MSVOA_L

ClientSampleId :

SVS-1DL

Tot Ion: 43 Resp: 71818

Ion Ratio Lower Upper

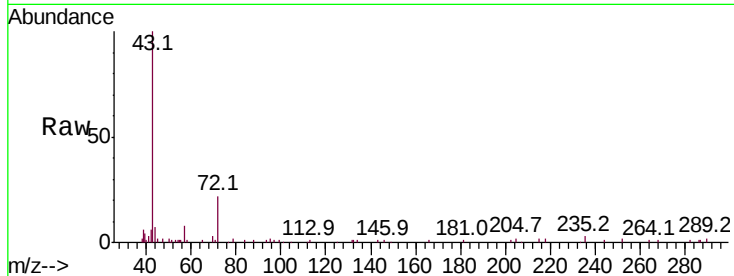
43 100

72 25.8 19.9 29.9

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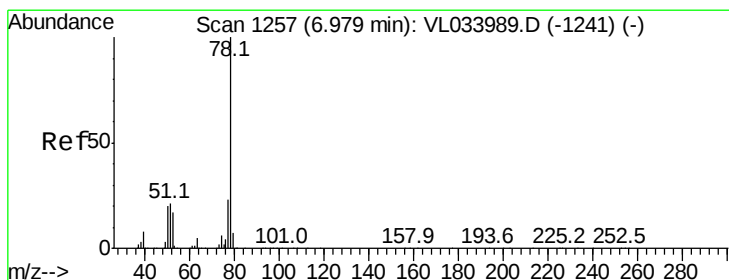
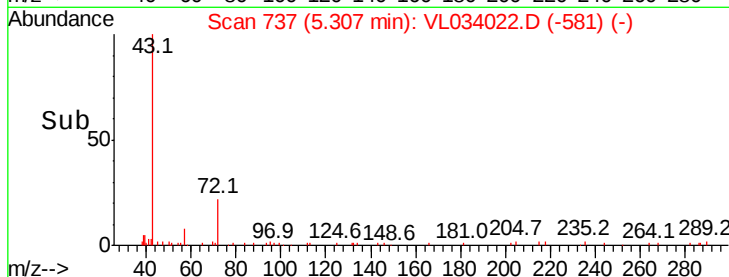
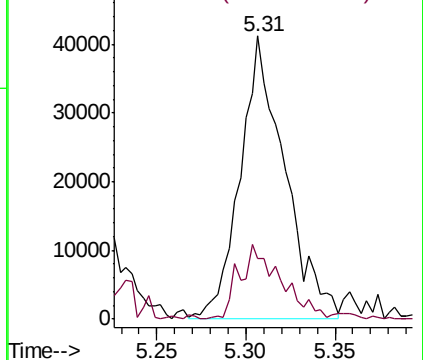
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#36

Benzene

Concen: 0.285 ppbv

RT: 6.96 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VL034022.D

Acq: 11 Jul 2019 18:01

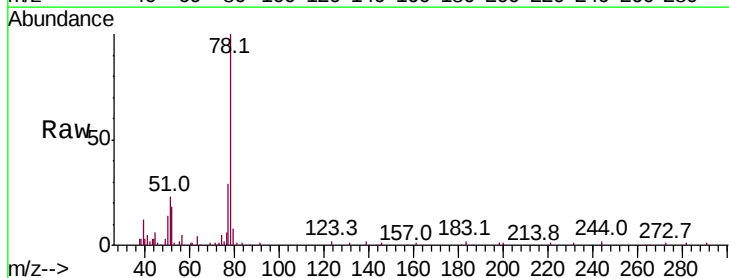
Tgt Ion: 78 Resp: 86171

Ion Ratio Lower Upper

78 100

77 26.4 18.7 28.1

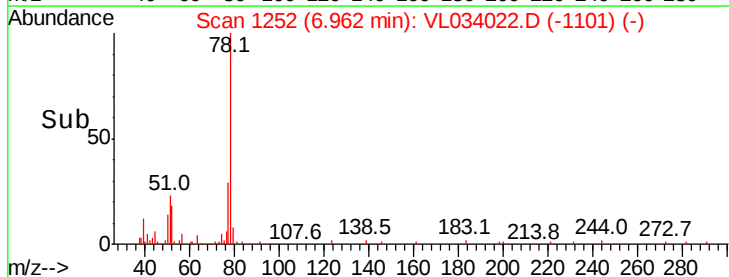
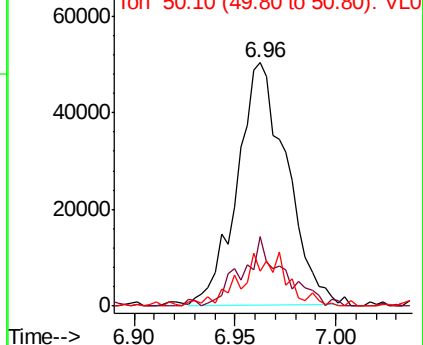
50 14.3 16.2 24.2#

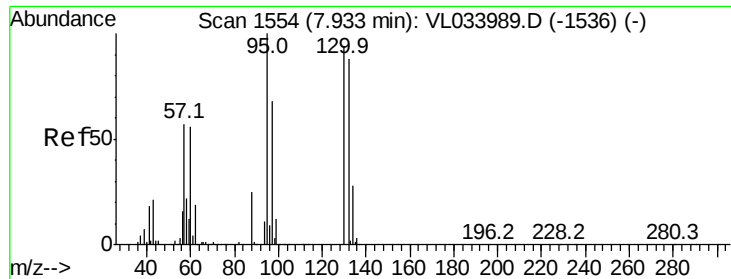


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





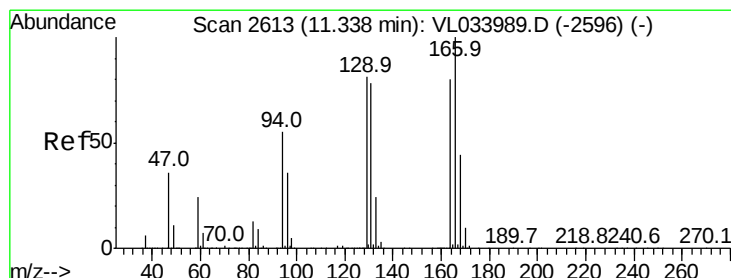
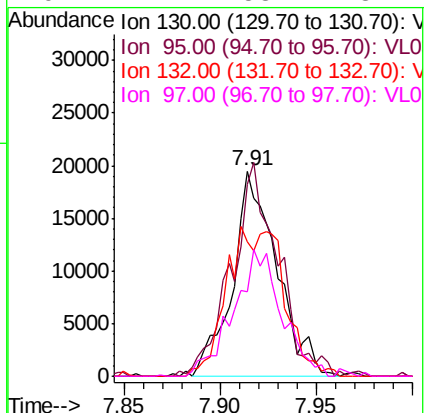
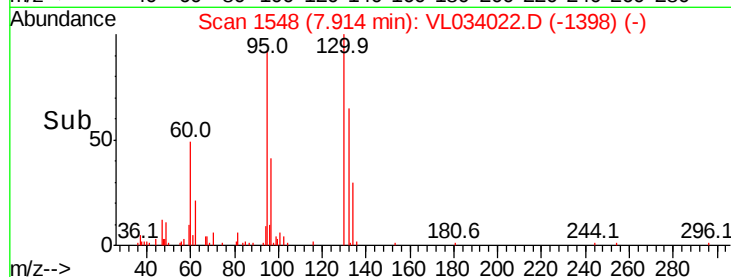
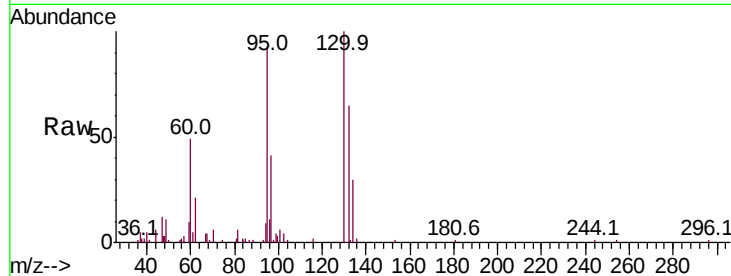
#38
 Trichloroethene
 Concen: 0.231 ppbv m
 RT: 7.91 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: VL034022.D
 Acq: 11 Jul 2019 18:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	93.5	85.5	128.3
132	65.2	75.1	112.7#
97	41.2	58.1	87.1#

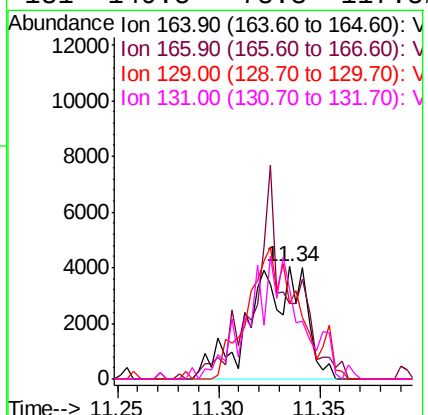
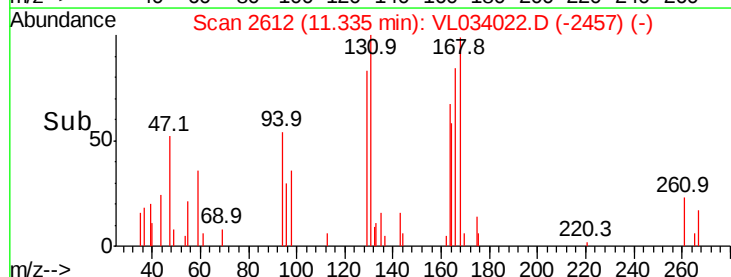
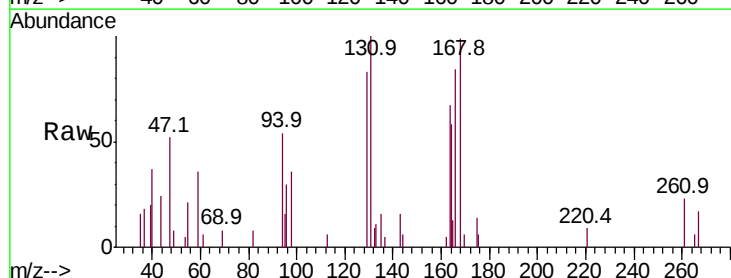
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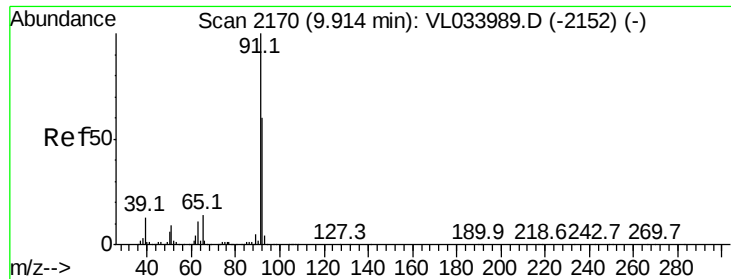
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#52
 Tetrachloroethene
 Concen: 0.058 ppbv m
 RT: 11.34 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VL034022.D
 Acq: 11 Jul 2019 18:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.2	150.2
129	124.5	81.0	121.6#
131	149.5	78.3	117.5#





#53

Toluene

Concen: 0.831 ppbv

RT: 9.90 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL034022.D

Acq: 11 Jul 2019 18:01

Instrument :

MSVOA_L

ClientSampleId :

SVS-1DL

Tot Ion: 91 Resp: 287379

Ion Ratio Lower Upper

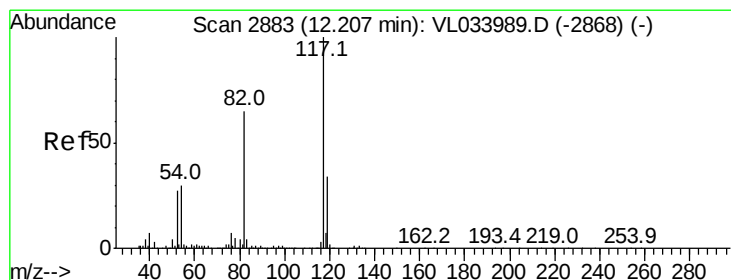
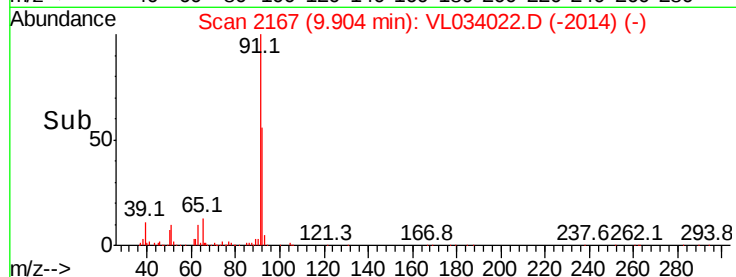
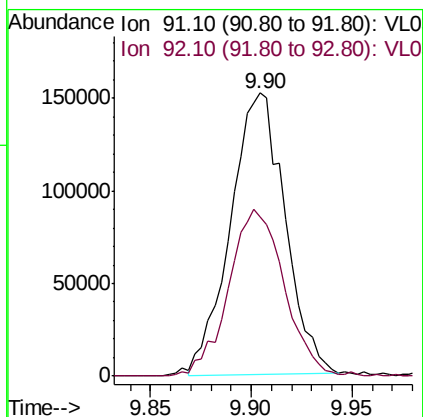
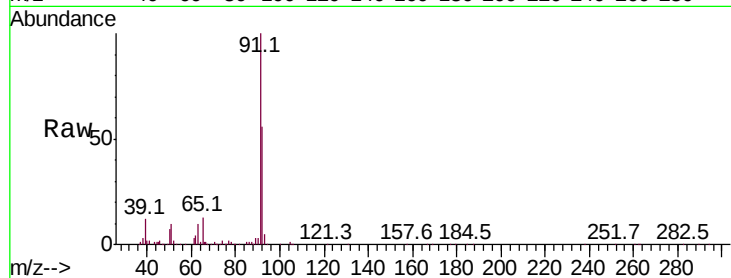
91 100

92 61.0 47.7 71.5

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2878

Delta R.T. -0.02 min

Lab File: VL034022.D

Acq: 11 Jul 2019 18:01

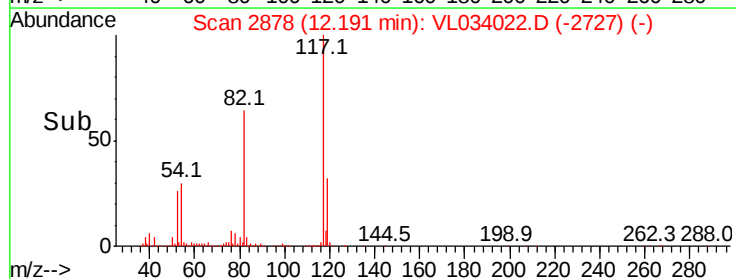
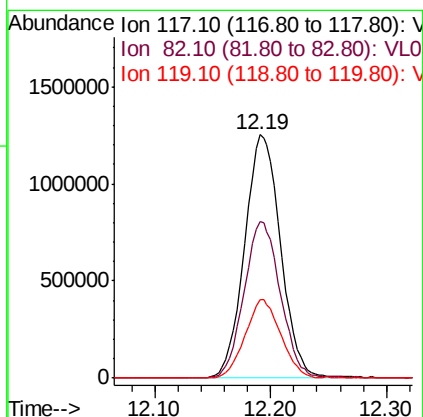
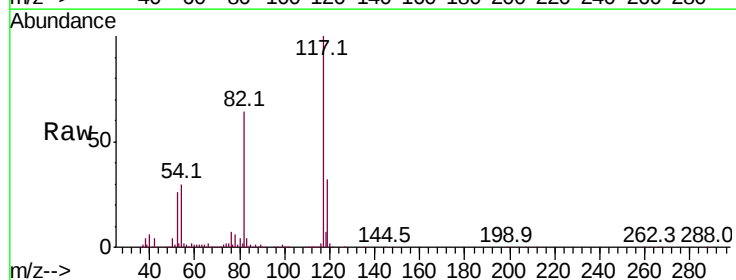
Tgt Ion: 117 Resp: 2702139

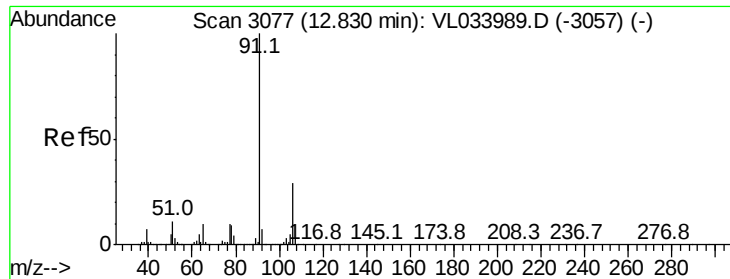
Ion Ratio Lower Upper

117 100

82 65.2 50.8 76.2

119 32.1 24.0 36.0





#58

Ethyl Benzene

Concen: 0.170 ppbv m

RT: 12.82 min Scan# 3075

Delta R.T. -0.01 min

Lab File: VL034022.D

Acq: 11 Jul 2019 18:01

Instrument :

MSVOA_L

ClientSampleId :

SVS-1DL

Tot Ion: 91 Resp: 55153

Ion Ratio Lower Upper

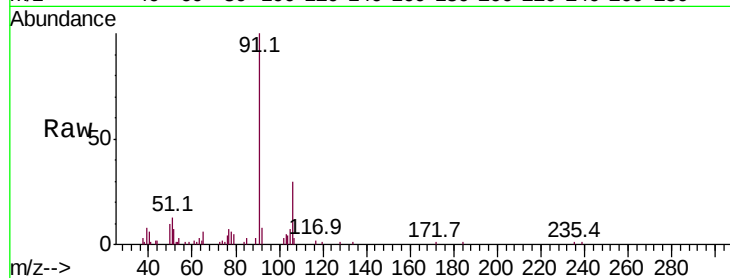
91 100

106 29.5 23.3 34.9

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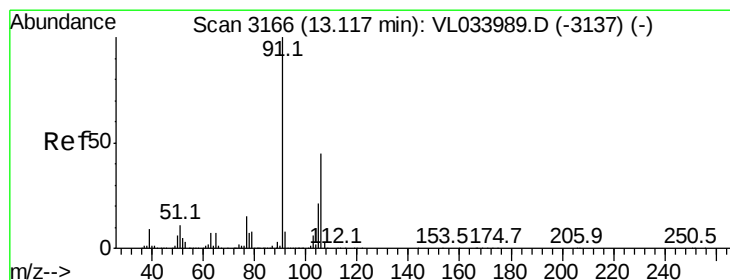
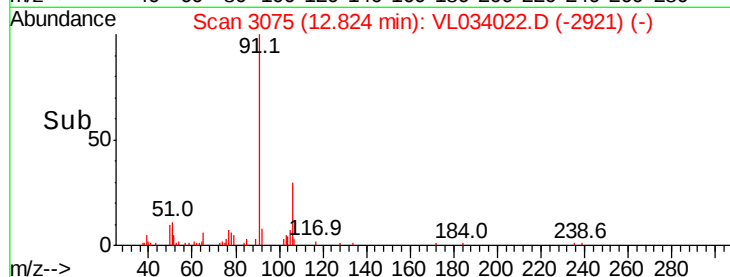
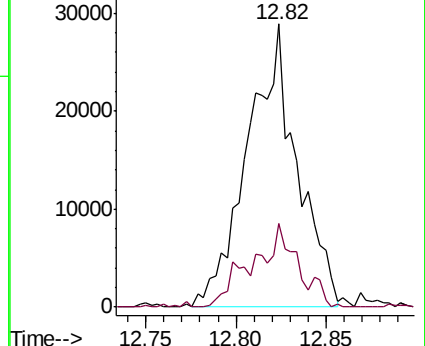
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.791 ppbv m

RT: 13.08 min Scan# 3154

Delta R.T. -0.04 min

Lab File: VL034022.D

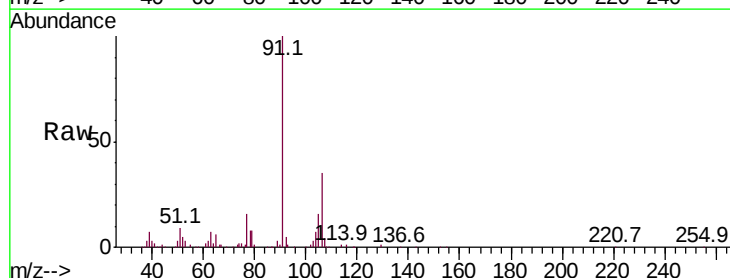
Acq: 11 Jul 2019 18:01

Tgt Ion: 91 Resp: 232692

Ion Ratio Lower Upper

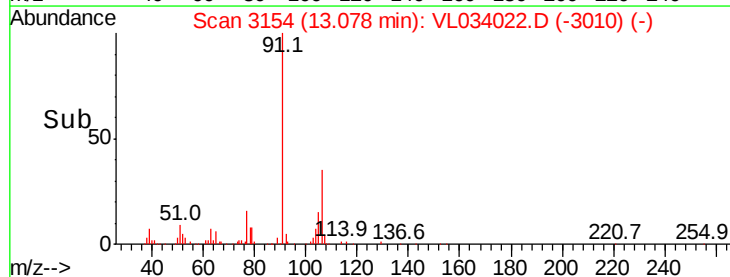
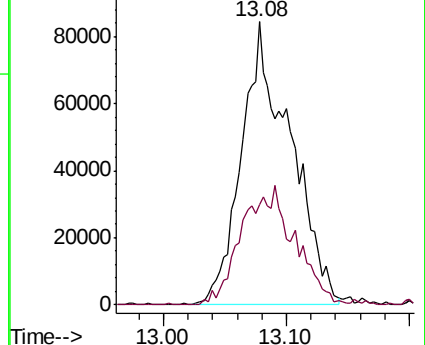
91 100

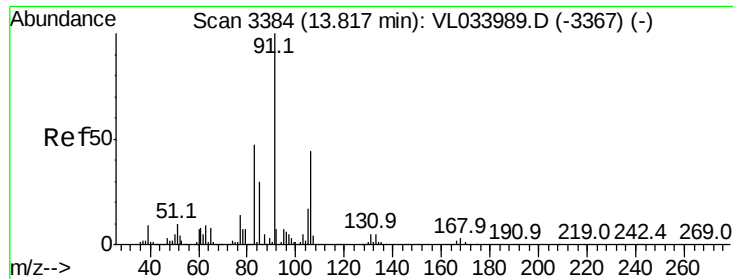
106 46.1 35.7 53.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





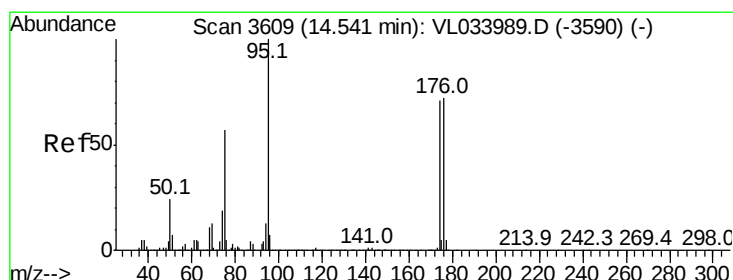
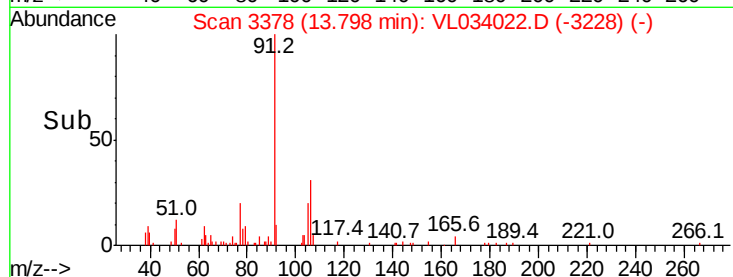
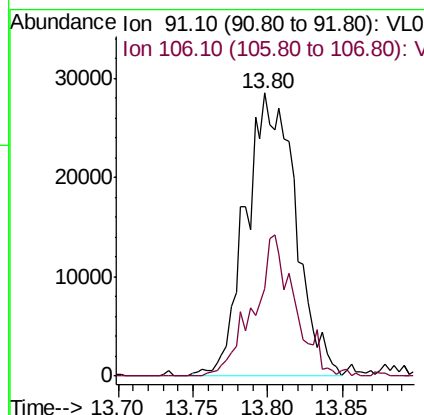
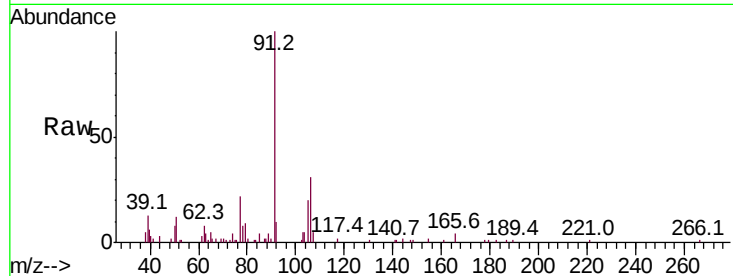
#60
o-Xylene
Concen: 0.225 ppbv m
RT: 13.80 min Scan# 3378
Delta R.T. -0.02 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Instrument :
MSVOA_L
ClientSampleId :
SVS-1DL

Tot Ion: 91 Resp: 66140
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.7#

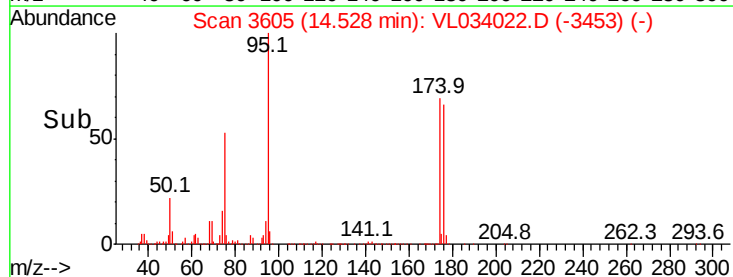
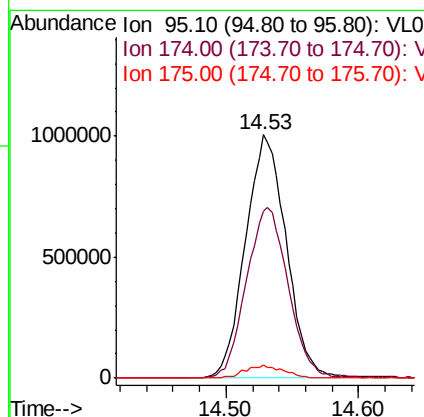
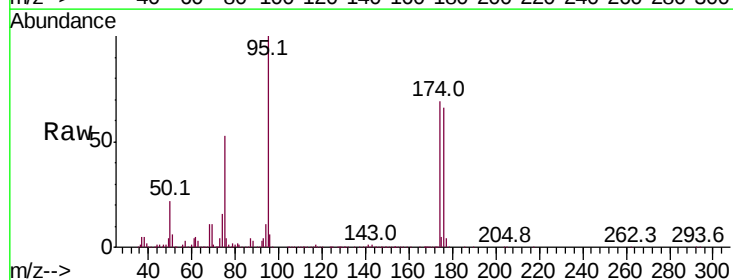
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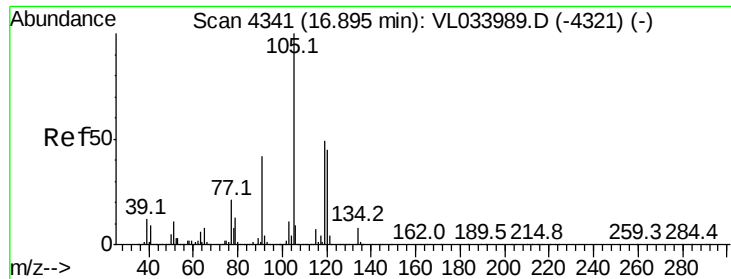
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.309 ppbv
RT: 14.53 min Scan# 3605
Delta R.T. -0.01 min
Lab File: VL034022.D
Acq: 11 Jul 2019 18:01

Tgt Ion: 95 Resp: 2145360
Ion Ratio Lower Upper
95 100
174 72.9 60.5 90.7
175 5.1 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.166 ppbv m
 RT: 16.88 min Scan# 4338
 Delta R.T. -0.01 min
 Lab File: VL034022.D
 Acq: 11 Jul 2019 18:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1DL

Tot Ion:	105	Resp:	64548
Ion Ratio	Lower	Upper	
105	100		
120	51.4	36.2	54.2
91	9.8	34.3	51.5#
77	17.5	17.1	25.7

Manual Integrations
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