

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034244.D
 Acq On : 8 Oct 2019 5:38
 Operator : SY/AP
 Sample : K5222-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-4DL

Manual Integrations
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 10/11/2019 5:06:26 PM

Quant Time: Oct 10 20:46:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	897258	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1682811	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1699494	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1462157	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.99	41	117438	2.263	ppbv	92
10) Heptane	8.17	43	55726	0.412	ppbv	91
13) Ethanol	3.60	45	254374	20.239	ppbv	98
15) Acetone	3.84	43	507302	4.218	ppbv	98
26) Hexane	5.71	57	106120	1.122	ppbv #	42
30) Cyclohexane	7.17	84	31421m	0.460	ppbv	
34) 2-Butanone	5.27	43	47733	0.278	ppbv	95
36) Benzene	6.92	78	149194	0.803	ppbv #	89
44) 2,2,4-Trimethylpentane	7.91	57	116111m	0.325	ppbv	
52) Tetrachloroethene	11.28	164	5317m	0.087	ppbv	
53) Toluene	9.86	91	487923	2.402	ppbv	96
58) Ethyl Benzene	12.78	91	73404m	0.268	ppbv	
59) m/p-Xylene	13.03	91	227972m	1.004	ppbv	
60) o-Xylene	13.77	91	84437m	0.372	ppbv	
61) Styrene	13.59	104	9129m	0.056	ppbv	
73) 1,3,5-Trimethylbenzene	16.07	105	28056m	0.113	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	93515	0.355	ppbv #	65

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

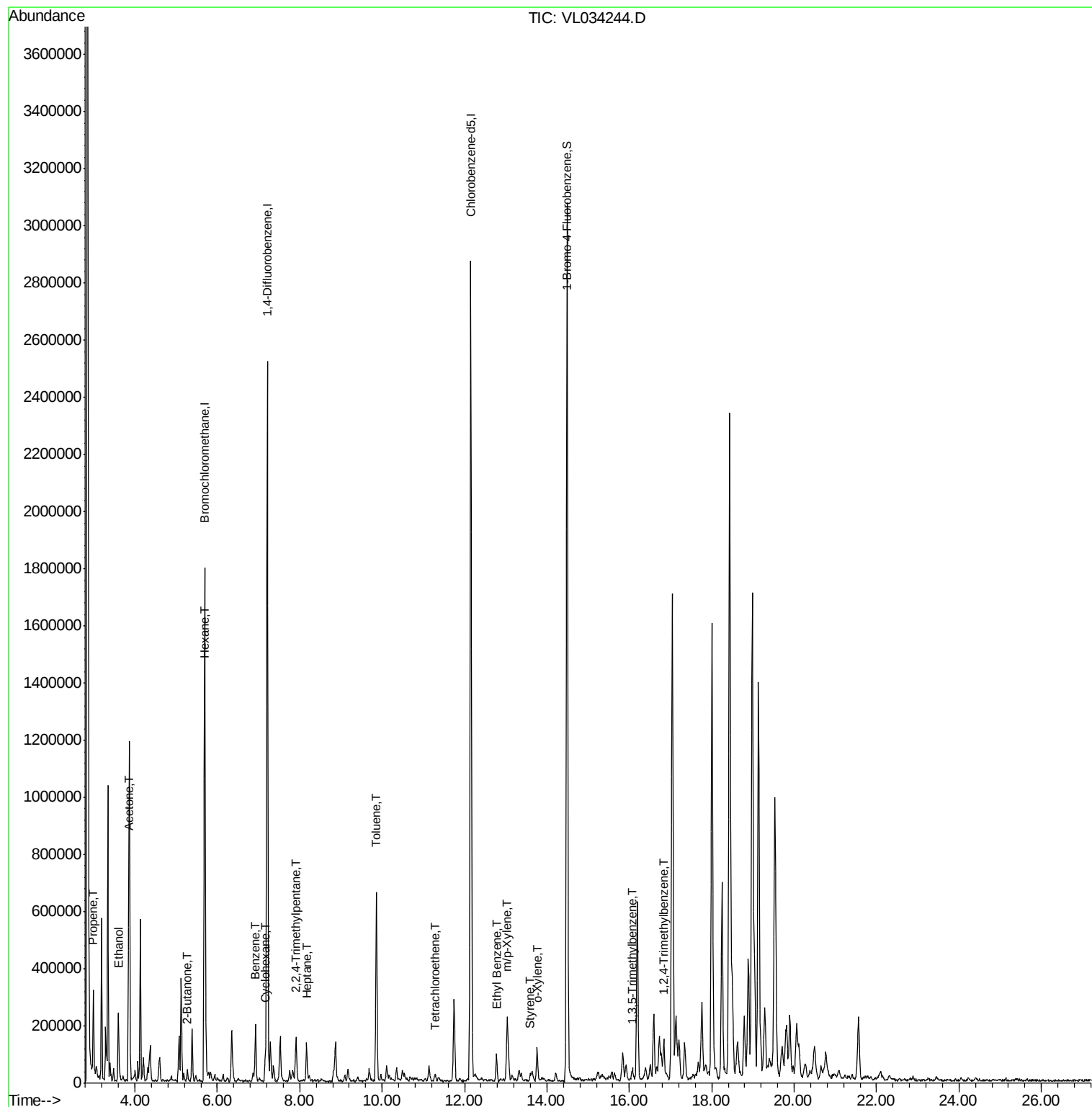
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034244.D
Acq On : 8 Oct 2019 5:38
Operator : SY/AP
Sample : K5222-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

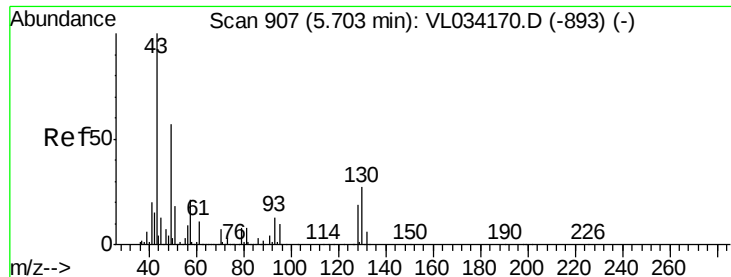
Instrument :
MSVOA_L
ClientSampleId :
V-4DL

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10/11/2019 5:06:26 PM

Quant Time: Oct 10 20:46:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034244.D

Acq: 8 Oct 2019 5:38

Instrument :

MSVOA_L

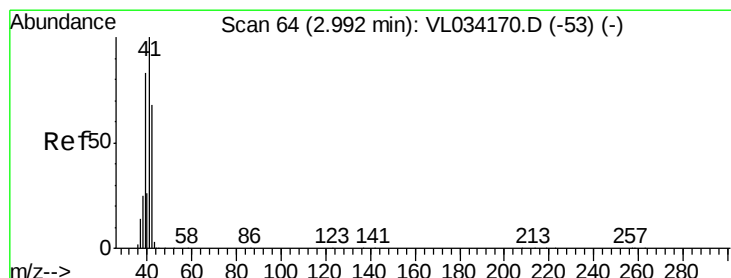
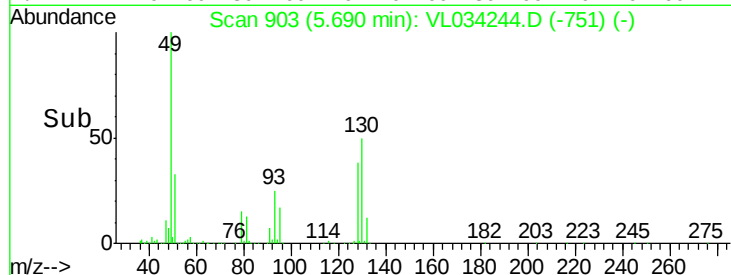
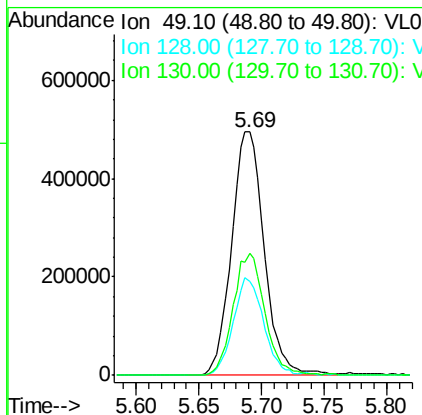
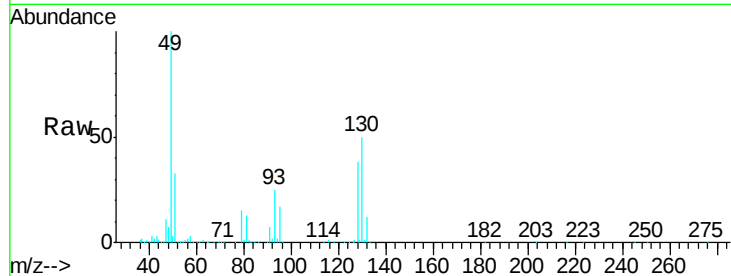
ClientSampled :

V-4DL

Tgt Ion:	49	Resp:	897258
Ion Ratio	Lower	Upper	
49	100		
128	38.0	17.6	52.9
130	49.1	22.3	66.9

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#9

Propene

Concen: 2.263 ppbv

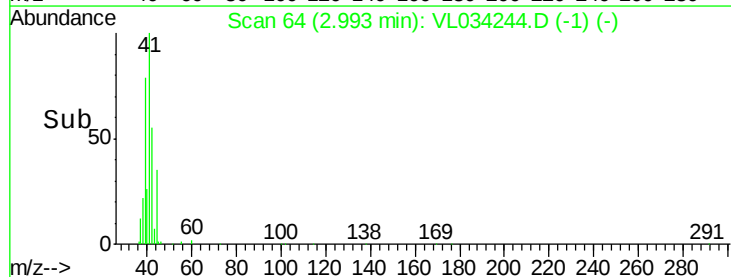
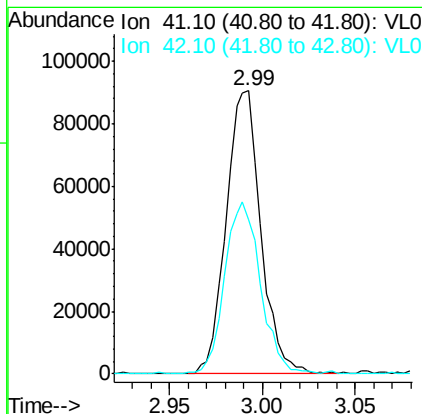
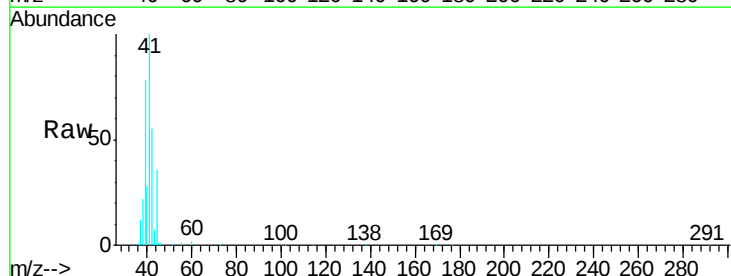
RT: 2.99 min Scan# 64

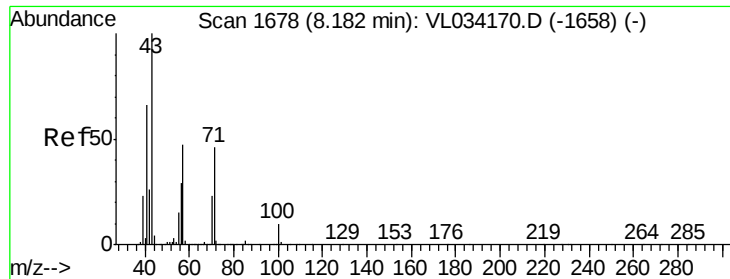
Delta R.T. 0.00 min

Lab File: VL034244.D

Acq: 8 Oct 2019 5:38

Tgt Ion:	41	Resp:	117438
Ion Ratio	Lower	Upper	
41	100		
42	63.4	55.8	83.6





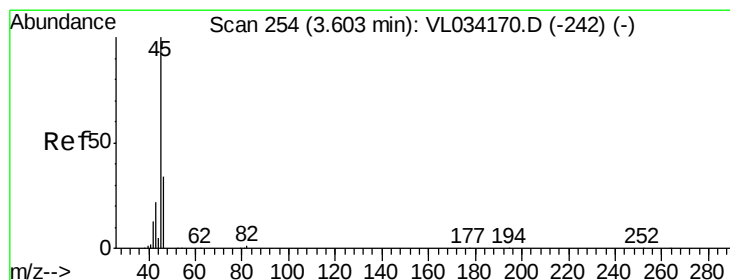
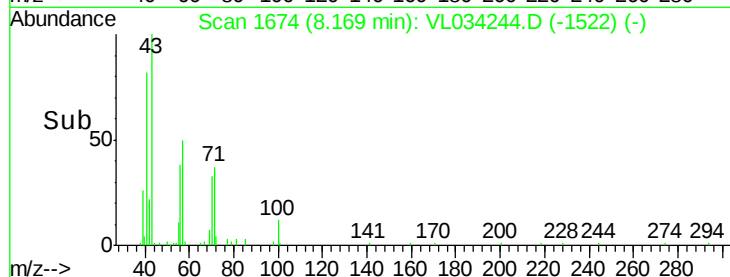
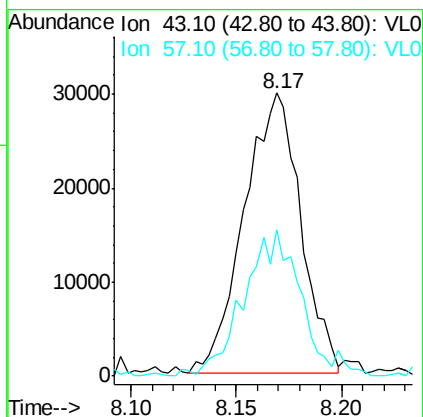
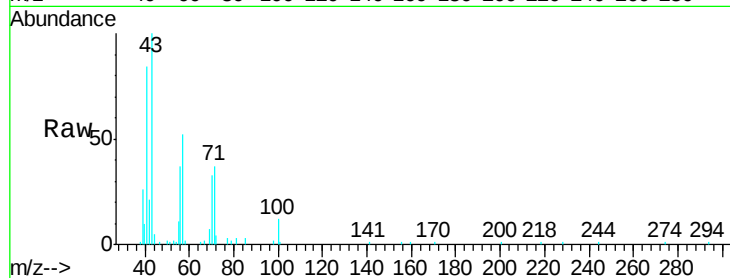
#10
Heptane
Concen: 0.412 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Instrument :
MSVOA_L
ClientSampled :
V-4DL

Tgt Ion: 43 Resp: 55726
Ion Ratio Lower Upper
43 100
57 52.7 37.5 56.3

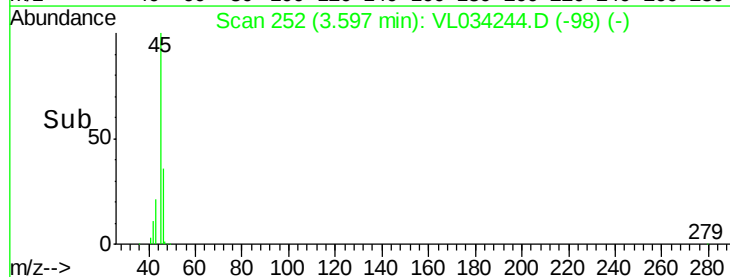
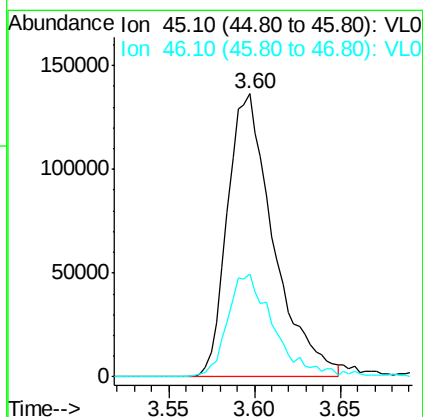
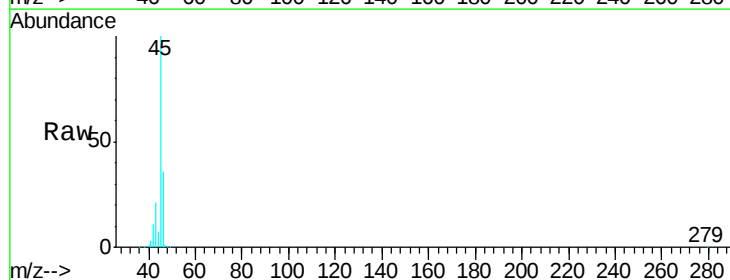
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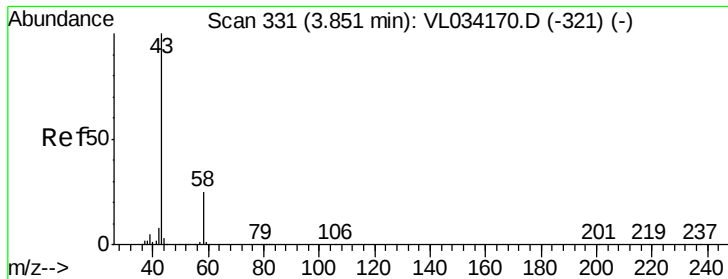
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#13
Ethanol
Concen: 20.239 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Tgt Ion: 45 Resp: 254374
Ion Ratio Lower Upper
45 100
46 37.4 15.5 61.9





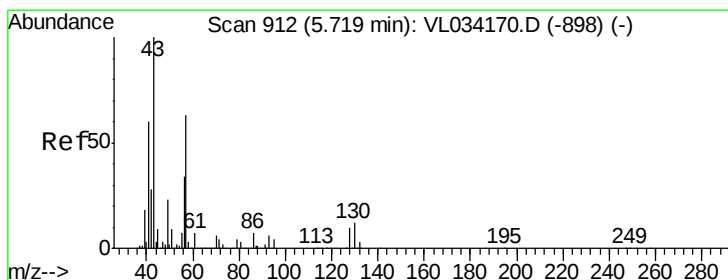
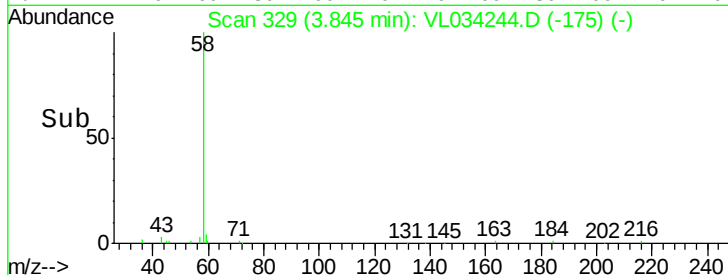
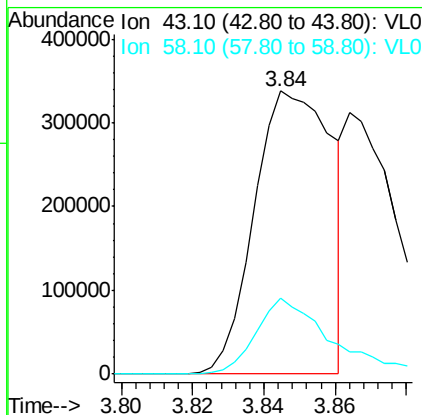
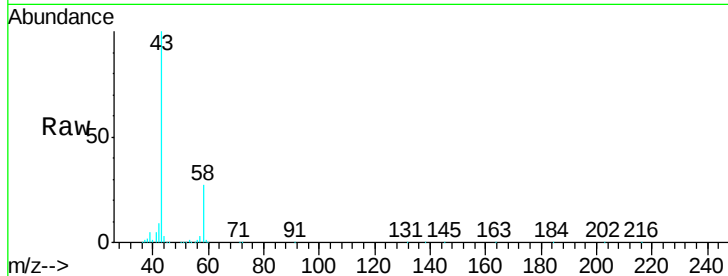
#15
Acetone
Concen: 4.218 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Instrument :
MSVOA_L
ClientSampleId :
V-4DL

Tgt Ion: 43 Resp: 507302
Ion Ratio Lower Upper
43 100
58 26.6 20.5 30.7

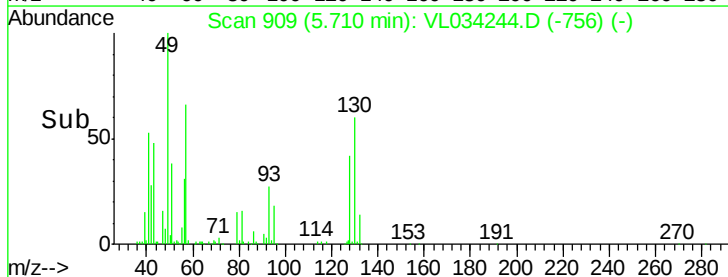
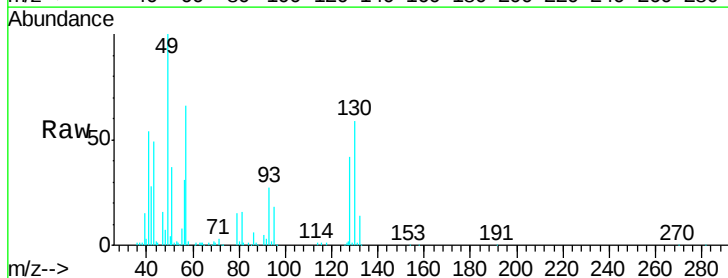
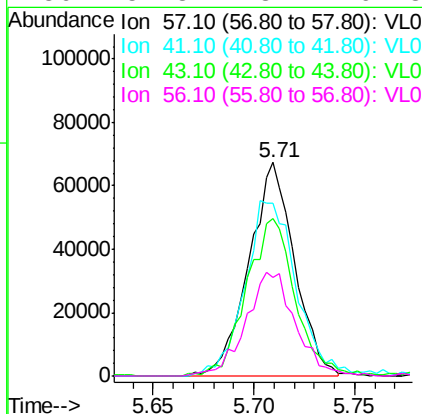
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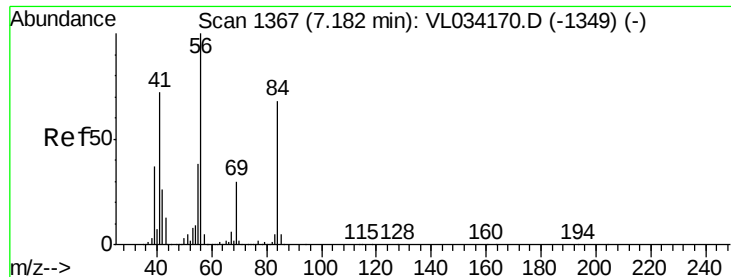
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#26
Hexane
Concen: 1.122 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Tgt Ion: 57 Resp: 106120
Ion Ratio Lower Upper
57 100
41 94.2 78.5 117.7
43 79.1 189.5 284.3#
56 52.8 43.2 64.8





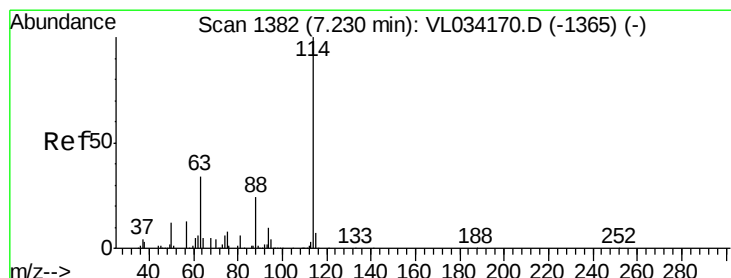
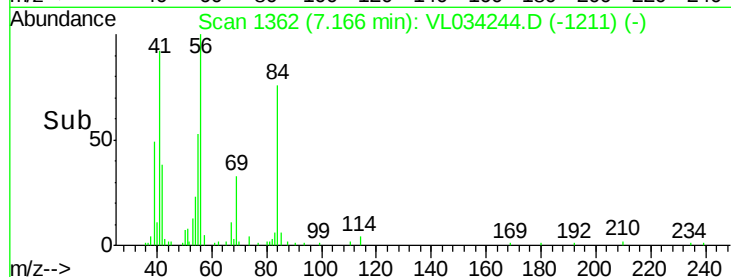
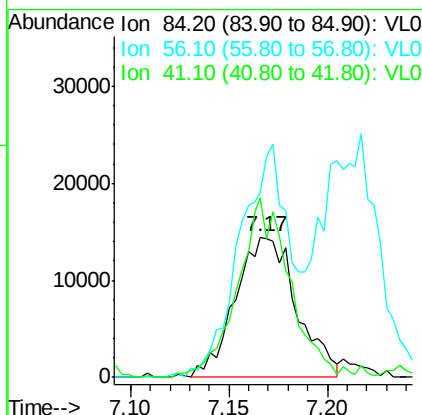
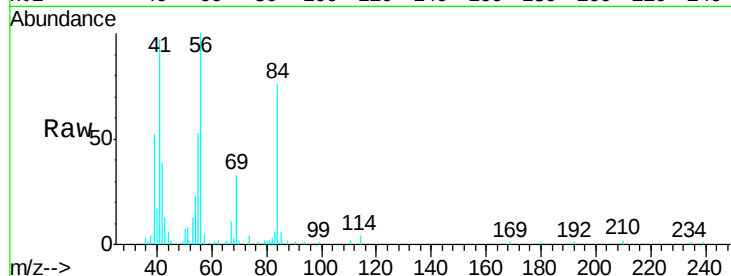
#30
Cyclohexane
Concen: 0.460 ppbv m
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Instrument :
MSVOA_L
ClientSampled :
V-4DL

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	126.2	189.2#
41	110.4	85.8	128.8

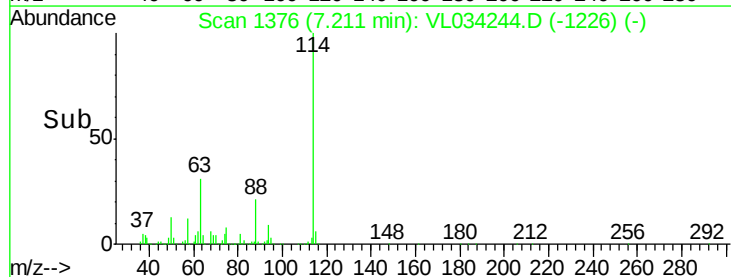
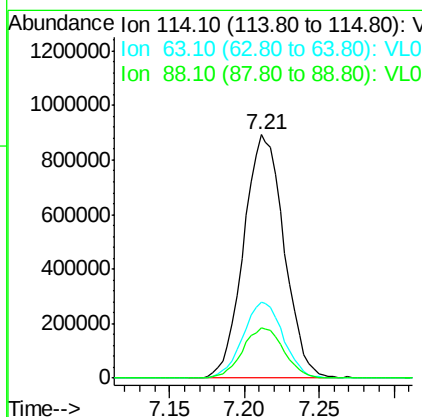
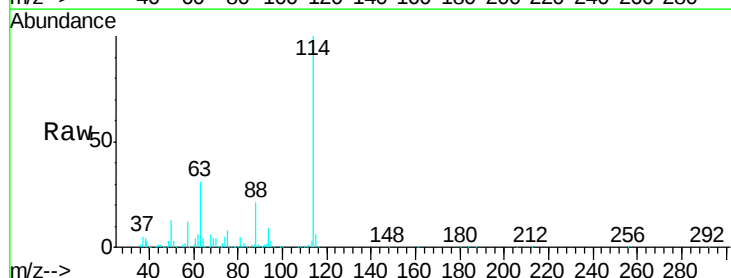
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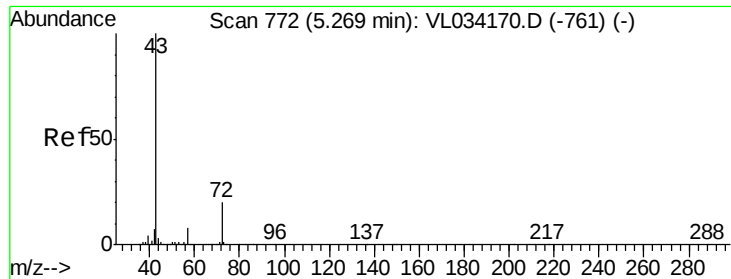
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	31.1	27.8	41.6
88	21.0	17.1	25.7





#34

2-Butanone

Concen: 0.278 ppbv

RT: 5.27 min Scan# 772

Delta R.T. 0.00 min

Lab File: VL034244.D

Acq: 8 Oct 2019 5:38

Instrument :

MSVOA_L

ClientSampled :

V-4DL

Tgt Ion: 43 Resp: 47733

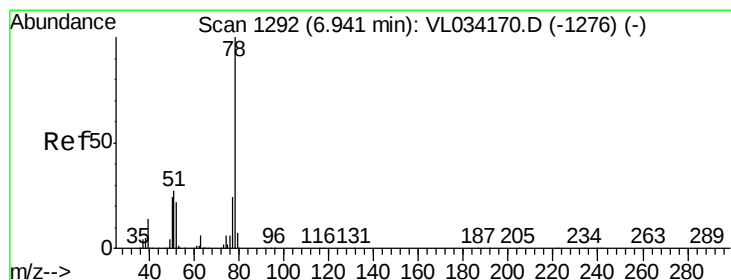
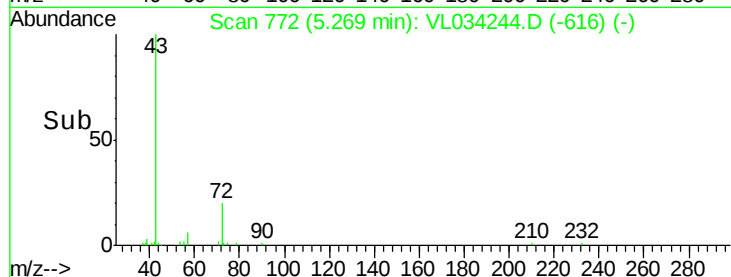
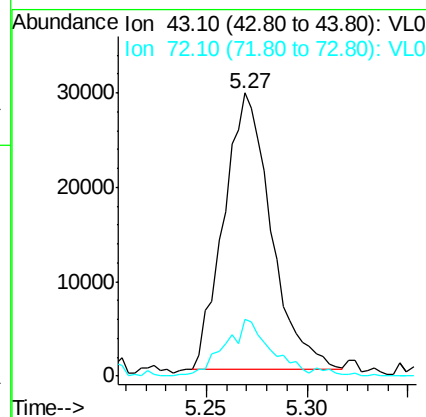
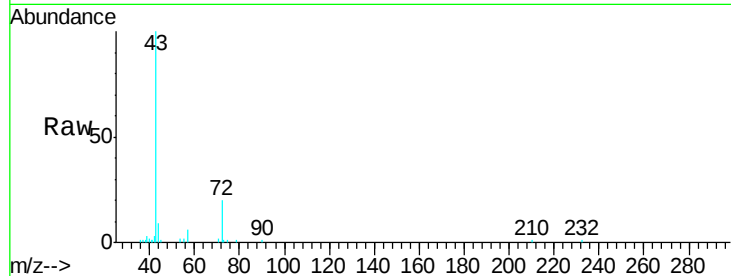
Ion Ratio Lower Upper

43 100

72 21.3 15.0 22.6

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#36

Benzene

Concen: 0.803 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. -0.02 min

Lab File: VL034244.D

Acq: 8 Oct 2019 5:38

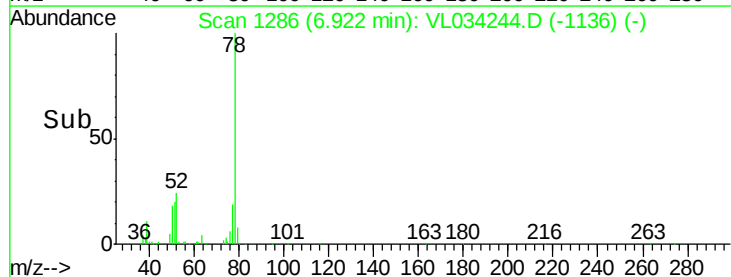
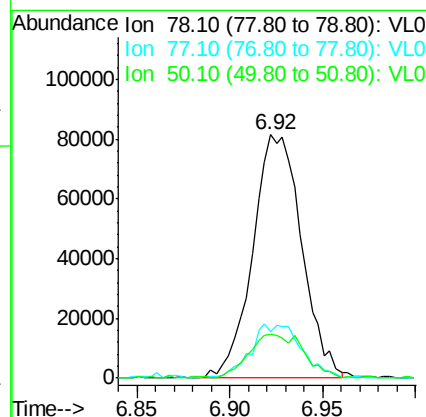
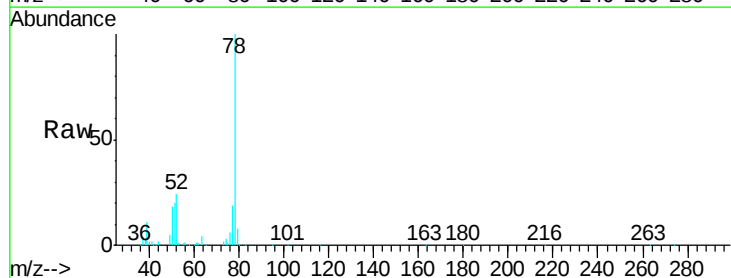
Tgt Ion: 78 Resp: 149194

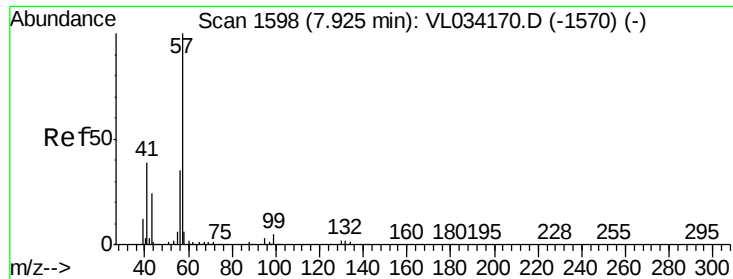
Ion Ratio Lower Upper

78 100

77 18.9 19.0 28.4#

50 17.7 18.9 28.3#





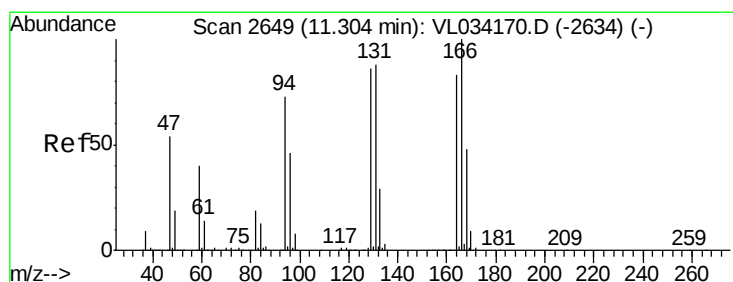
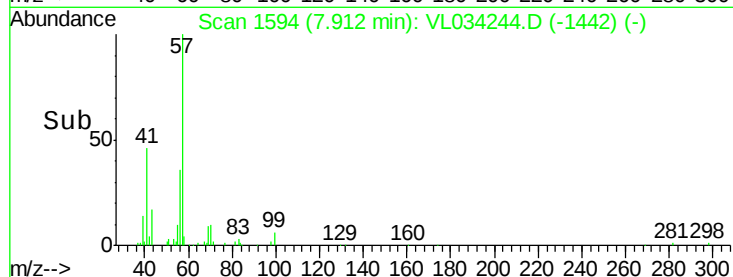
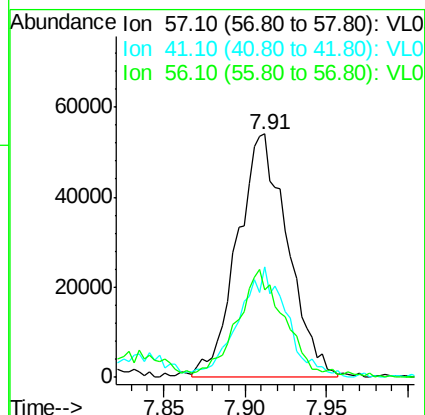
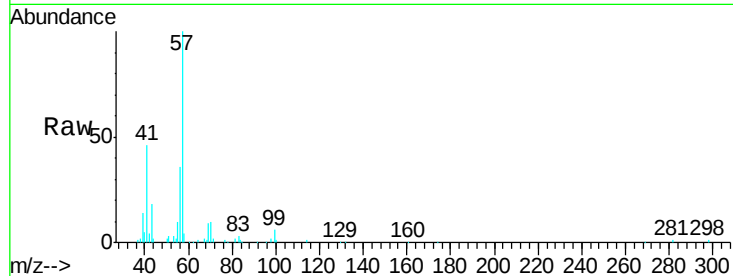
#44
2,2,4-Trimethylpentane
Concen: 0.325 ppbv m
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Instrument :
MSVOA_L
ClientSampleId :
V-4DL

Tgt Ion	Ratio	Lower	Upper
57	100		
41	43.3	29.8	44.6
56	42.9	25.9	38.9#

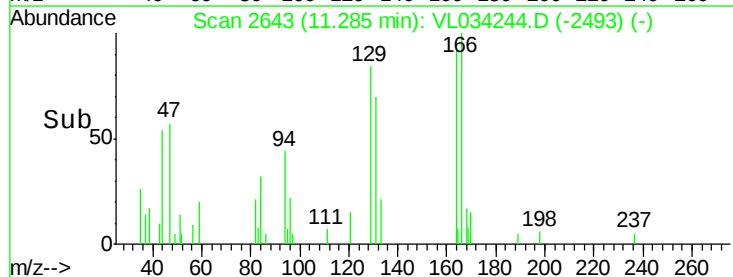
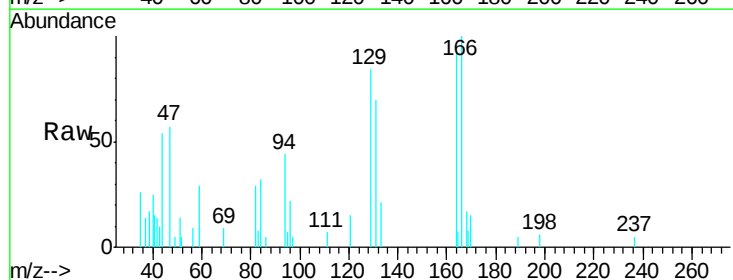
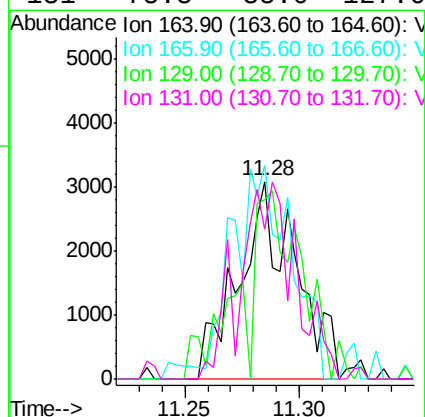
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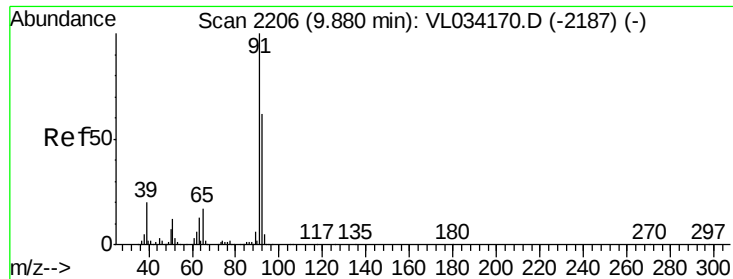
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#52
Tetrachloroethene
Concen: 0.087 ppbv m
RT: 11.28 min Scan# 2643
Delta R.T. -0.02 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	108.3	96.7	145.1
129	90.7	82.8	124.2
131	75.8	85.0	127.6#





#53

Toluene

Concen: 2.402 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. -0.02 min

Lab File: VL034244.D

Acq: 8 Oct 2019 5:38

Instrument :

MSVOA_L

ClientSampleId :

V-4DL

Tgt Ion: 91 Resp: 487923

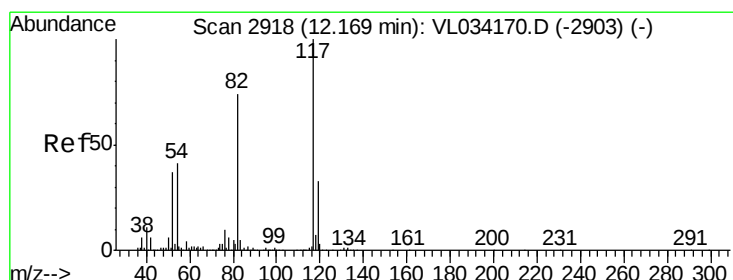
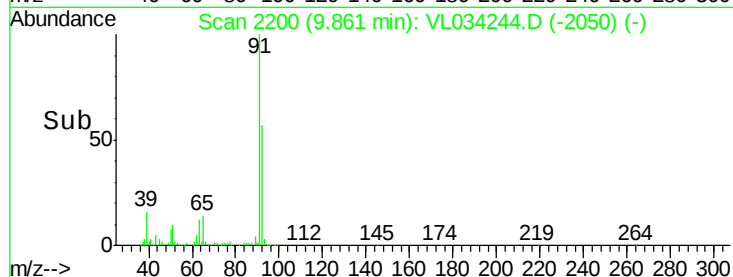
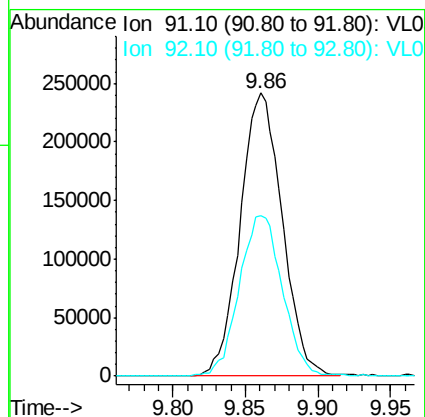
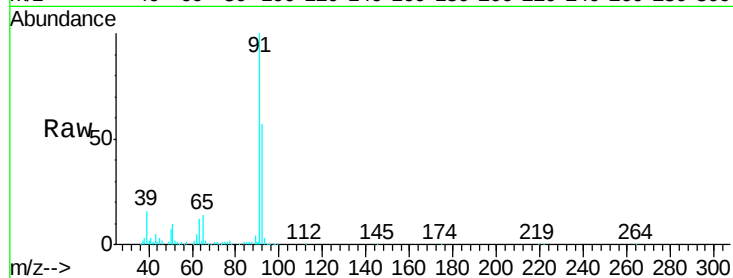
Ion Ratio Lower Upper

91 100

92 58.3 49.0 73.6

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.02 min

Lab File: VL034244.D

Acq: 8 Oct 2019 5:38

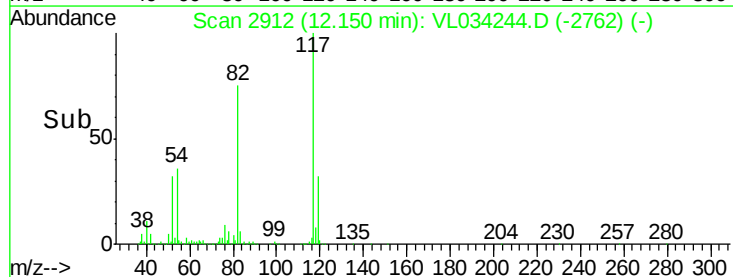
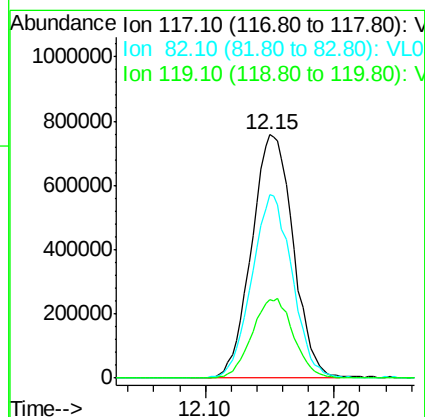
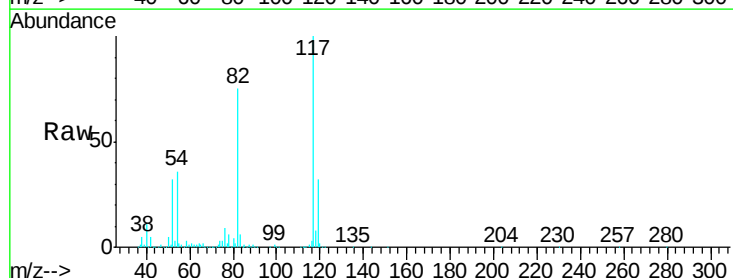
Tgt Ion: 117 Resp: 1699494

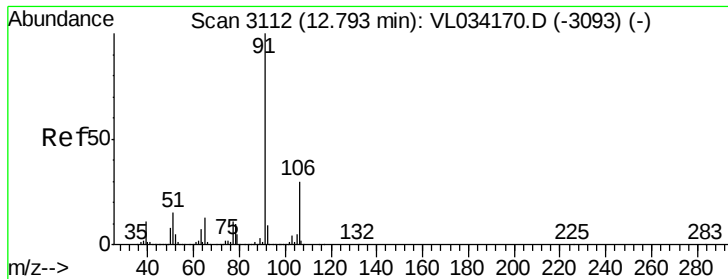
Ion Ratio Lower Upper

117 100

82 73.4 58.2 87.4

119 32.8 23.7 35.5





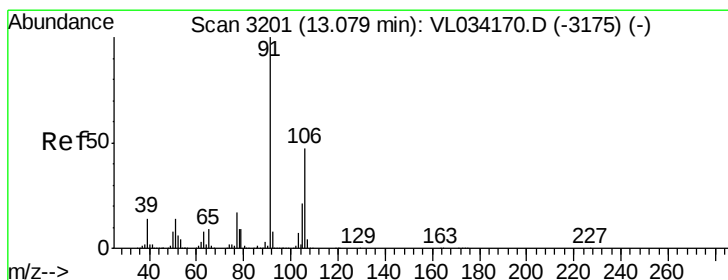
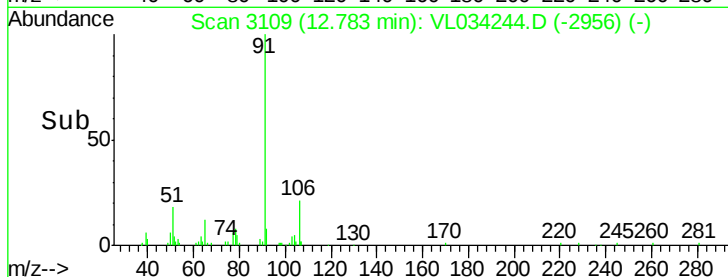
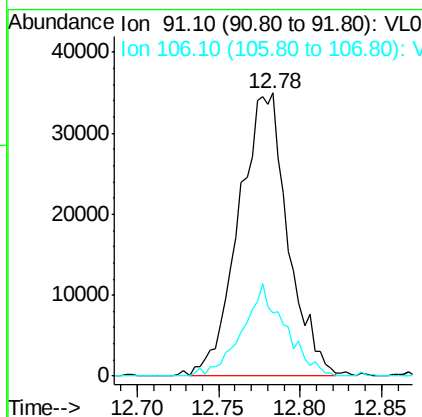
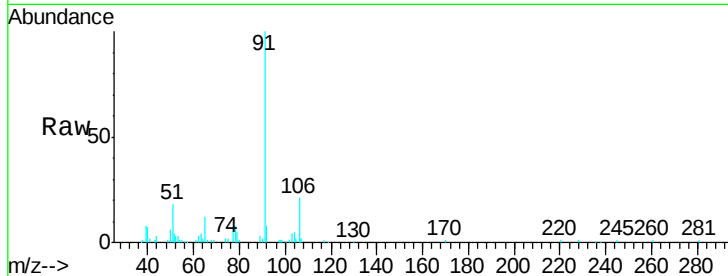
#58
Ethyl Benzene
Concen: 0.268 ppbv m
RT: 12.78 min Scan# 3109
Delta R.T. -0.01 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Instrument :
MSVOA_L
ClientSampled :
V-4DL

Tgt Ion: 91 Resp: 73404
Ion Ratio Lower Upper
91 100
106 20.7 24.2 36.4#

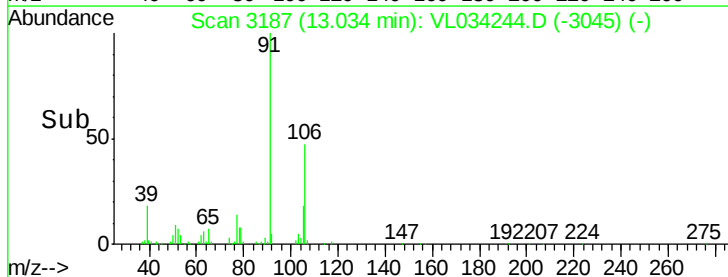
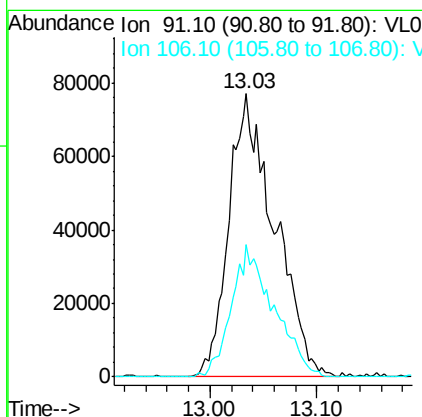
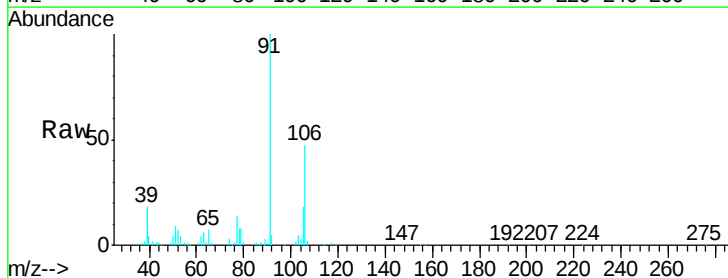
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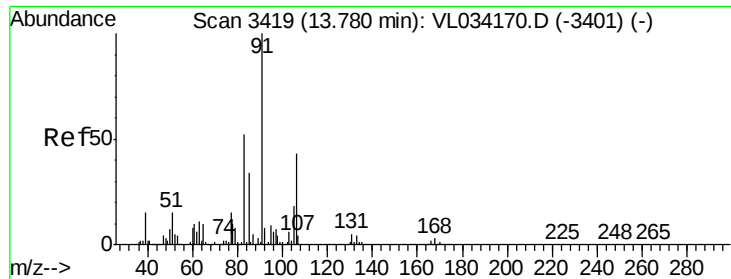
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#59
m/p-Xylene
Concen: 1.004 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Tgt Ion: 91 Resp: 227972
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#





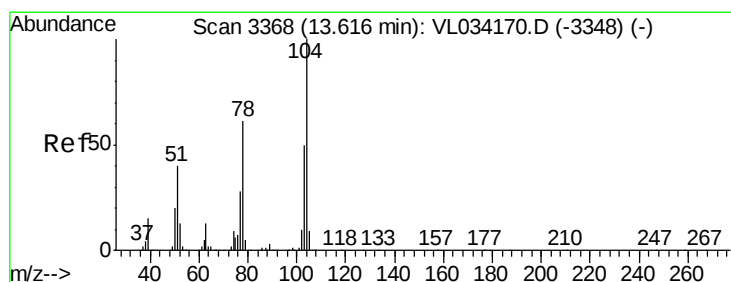
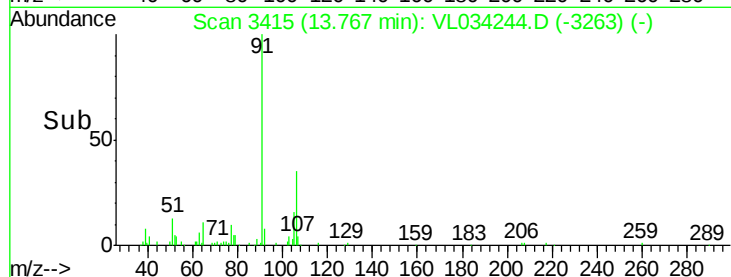
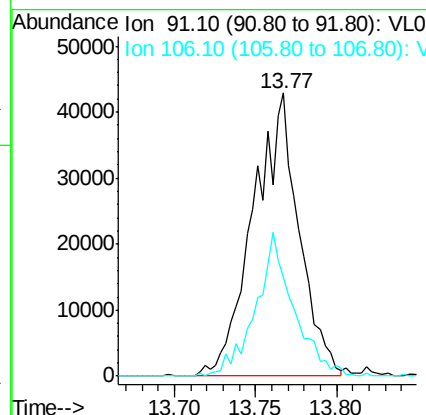
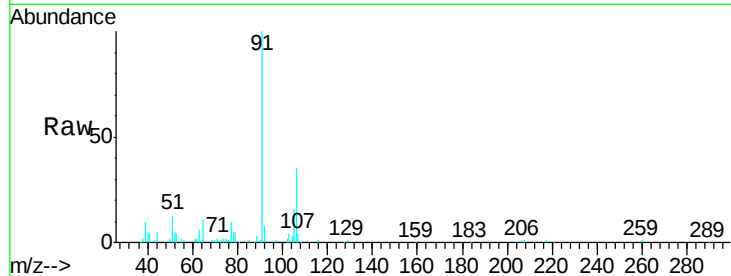
#60
o-Xylene
Concen: 0.372 ppbv m
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Instrument :
MSVOA_L
ClientSampleId :
V-4DL

Tgt Ion: 91 Resp: 84437
Ion Ratio Lower Upper
91 100
106 42.0 21.2 63.6

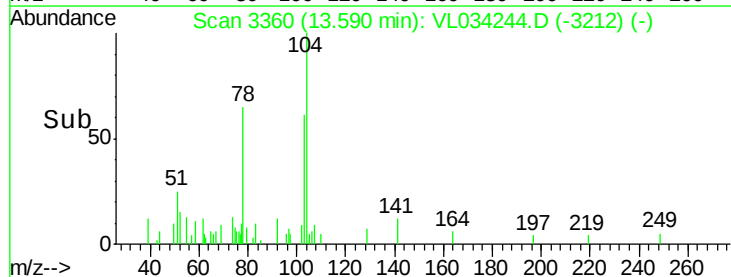
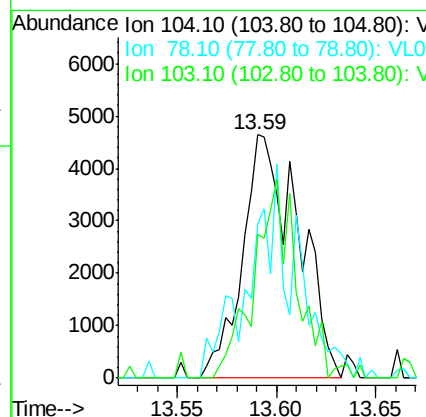
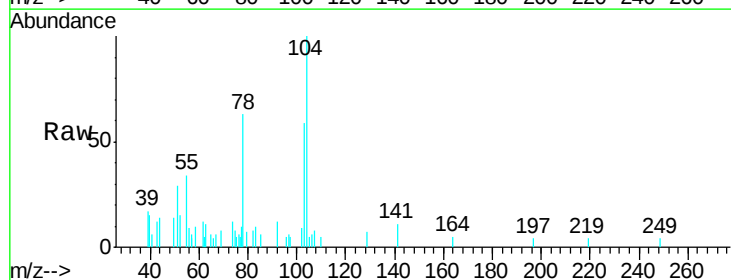
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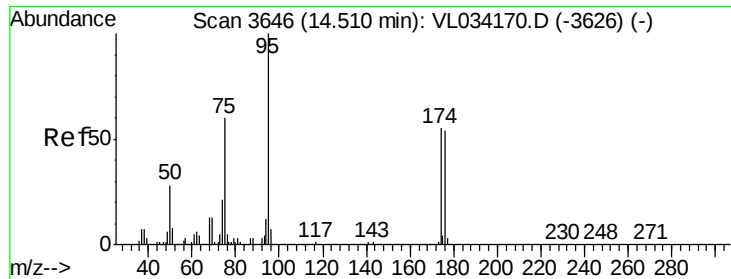
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#61
Styrene
Concen: 0.056 ppbv m
RT: 13.59 min Scan# 3360
Delta R.T. -0.03 min
Lab File: VL034244.D
Acq: 8 Oct 2019 5:38

Tgt Ion: 104 Resp: 9129
Ion Ratio Lower Upper
104 100
78 0.0 49.7 74.5#
103 0.0 38.4 57.6#





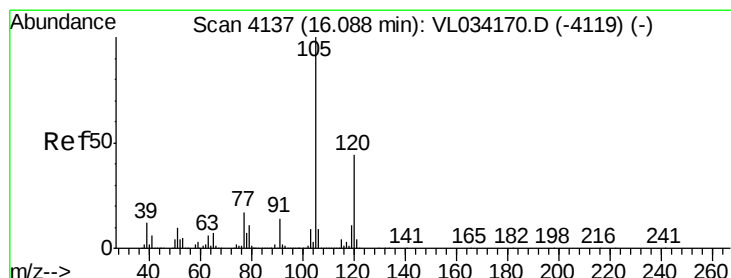
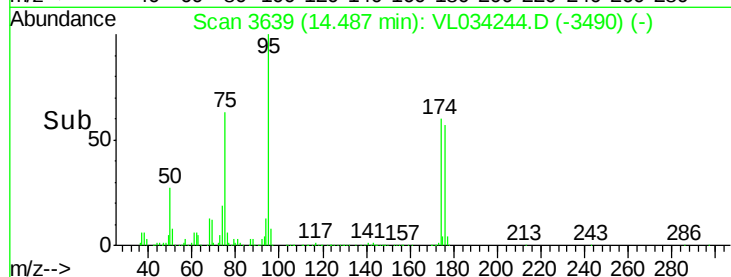
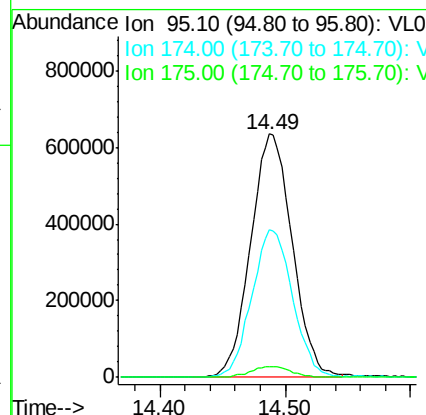
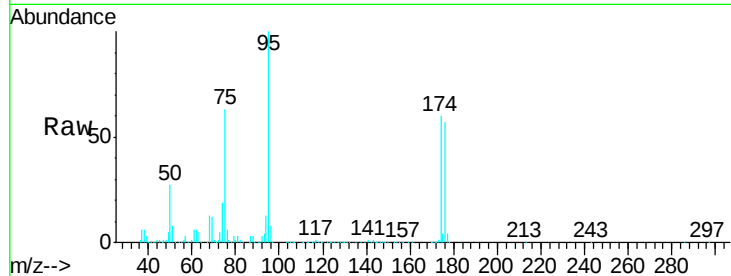
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.901 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034244.D
 Acq: 8 Oct 2019 5:38

Instrument :
 MSVOA_L
 ClientSampled :
 V-4DL

Tgt Ion: 95 Resp: 1462157
 Ion Ratio Lower Upper
 95 100
 174 59.9 45.1 67.7
 175 4.4 3.3 4.9

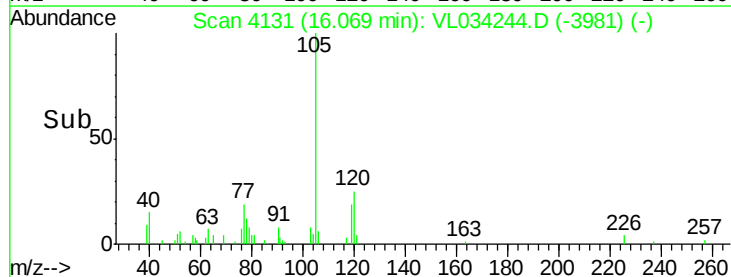
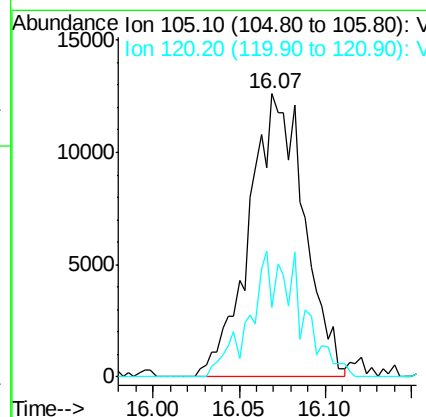
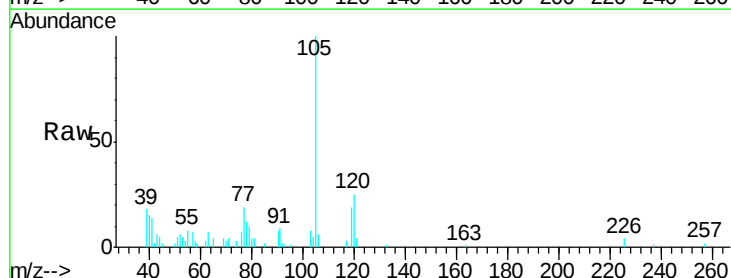
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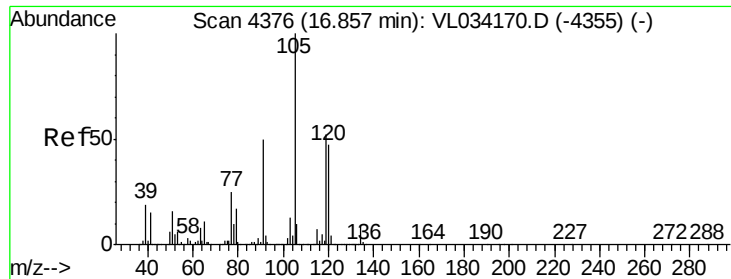
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#73
 1,3,5-Trimethylbenzene
 Concen: 0.113 ppbv m
 RT: 16.07 min Scan# 4131
 Delta R.T. -0.02 min
 Lab File: VL034244.D
 Acq: 8 Oct 2019 5:38

Tgt Ion: 105 Resp: 28056
 Ion Ratio Lower Upper
 105 100
 120 24.7 35.6 53.4#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.355 ppbv
 RT: 16.84 min Scan# 4370
 Delta R.T. -0.02 min
 Lab File: VL034244.D
 Acq: 8 Oct 2019 5:38

Instrument :
 MSVOA_L
 ClientSampleId :
 V-4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	34.0	37.5	56.3#
91	13.6	41.1	61.7#
77	12.3	19.9	29.9#

Manual Integrations
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