

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034259.D
 Acq On : 8 Oct 2019 21:52
 Operator : SY/AP
 Sample : K5243-05DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP

Manual Integrations
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 10/11/2019 5:07:27 PM

Quant Time: Oct 09 07:10:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	925884	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1535066	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1530966	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1395874	10.49	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	82212	0.601	ppbv	93
4) Chloromethane	3.12	50	32887	0.516	ppbv	91
9) Propene	3.00	41	30195m	0.564	ppbv	
11) Trichlorofluoromethane	3.95	101	33342m	0.268	ppbv	
13) Ethanol	3.60	45	126376	9.744	ppbv	97
15) Acetone	3.84	43	306922	2.473	ppbv	98
19) Isopropyl Alcohol	3.98	45	109634	1.437	ppbv #	96
20) Methylene Chloride	4.35	84	43664	1.220	ppbv #	86
26) Hexane	5.71	57	75743	0.776	ppbv #	43
34) 2-Butanone	5.27	43	23625m	0.151	ppbv	
35) Carbon Tetrachloride	7.05	117	8989m	0.070	ppbv	
36) Benzene	6.92	78	17574	0.104	ppbv #	89
44) 2,2,4-Trimethylpentane	7.91	57	23582m	0.072	ppbv	
53) Toluene	9.86	91	104713	0.565	ppbv	92

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

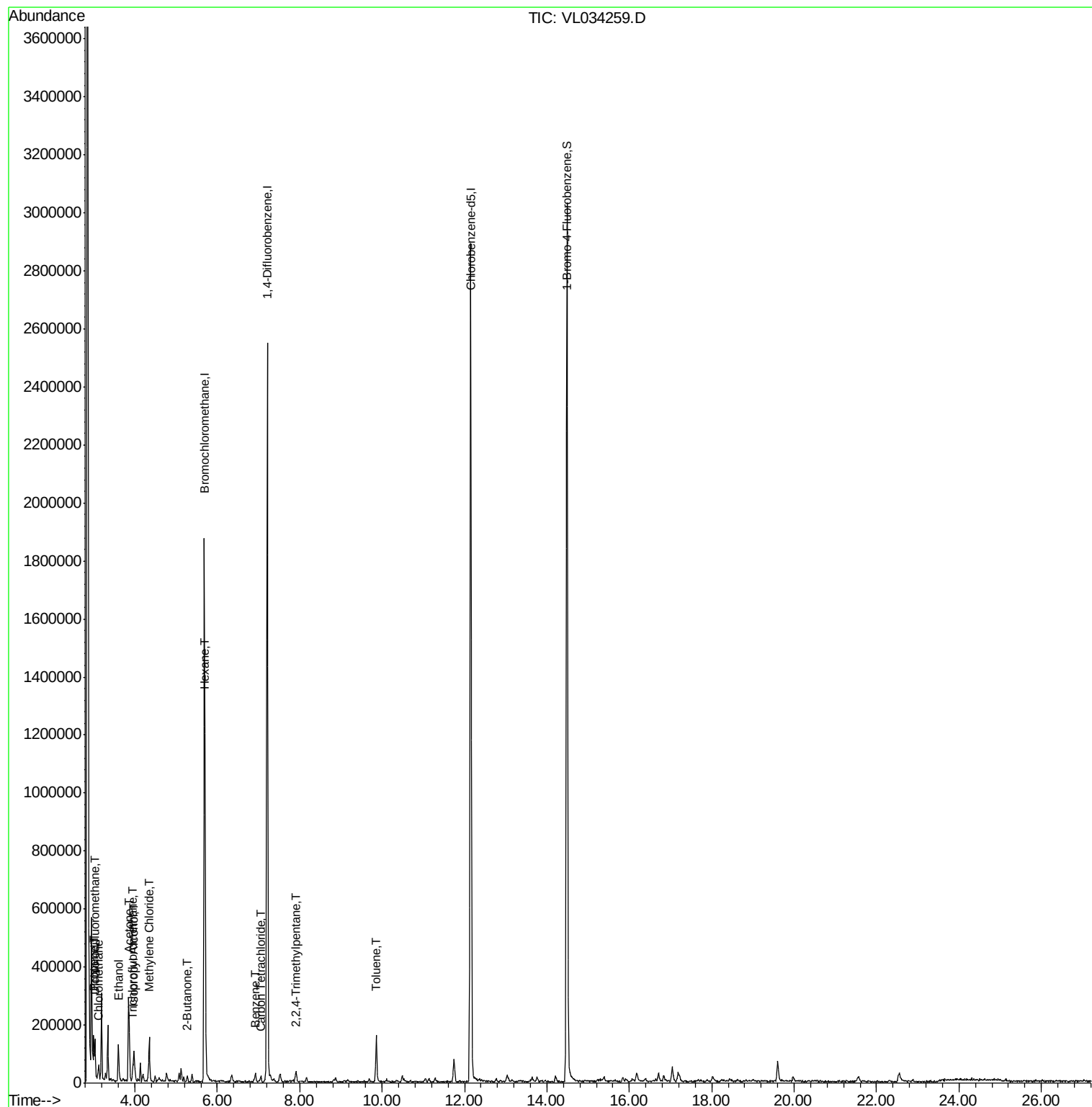
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034259.D
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

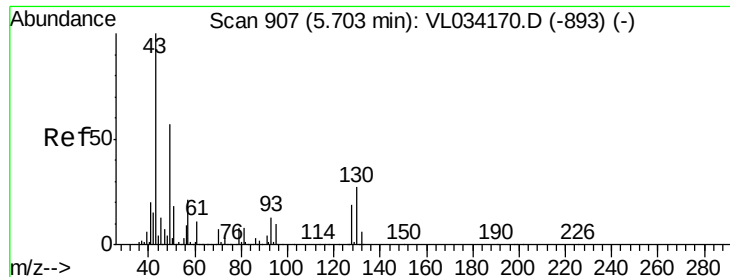
Instrument :
MSVOA_L
ClientSampleId :
QA1DUP

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Quant Time: Oct 09 07:10:34 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# 902

Delta R.T. -0.02 min

Lab File: VL034259.D

Acq: 8 Oct 2019 21:52

Instrument :

MSVOA_L

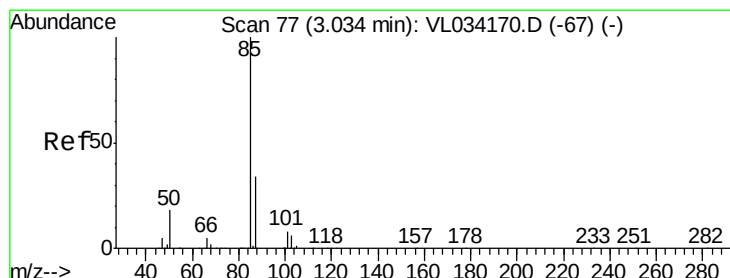
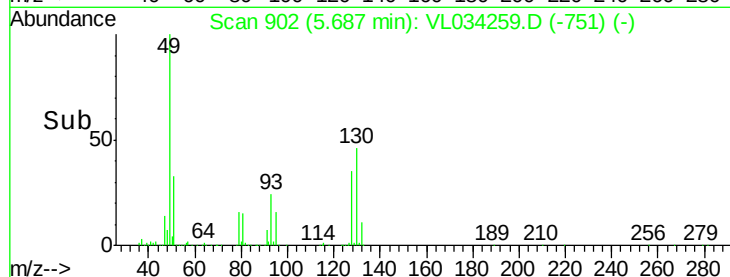
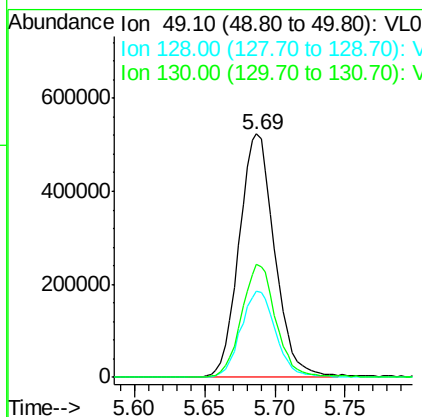
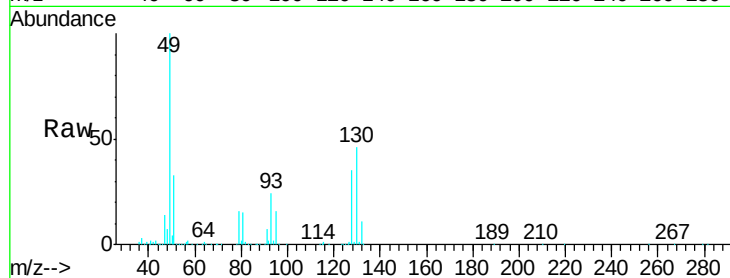
ClientSampled :

QA1DUP

Tgt Ion:	49	Resp:	925884
Ion Ratio	Lower	Upper	
49	100		
128	35.2	17.6	52.9
130	45.0	22.3	66.9

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#2

Dichlorodifluoromethane

Concen: 0.601 ppbv

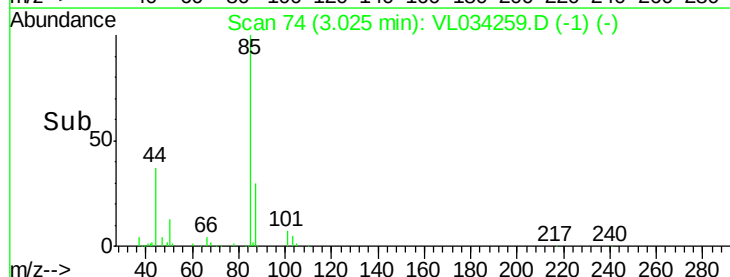
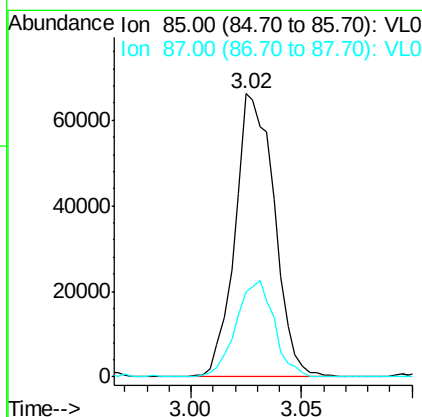
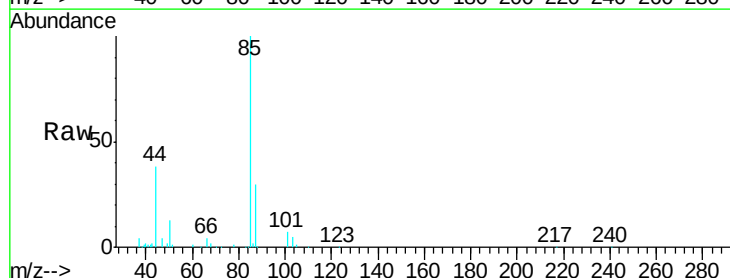
RT: 3.02 min Scan# 74

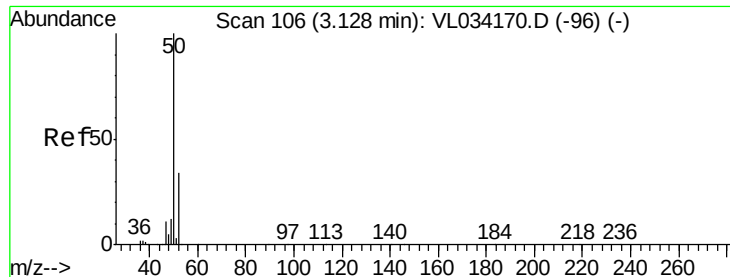
Delta R.T. -0.01 min

Lab File: VL034259.D

Acq: 8 Oct 2019 21:52

Tgt Ion:	85	Resp:	82212
Ion Ratio	Lower	Upper	
85	100		
87	29.9	27.2	40.8





#4

Chloromethane

Concen: 0.516 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034259.D

Acq: 8 Oct 2019 21:52

Instrument :

MSVOA_L

ClientSampleId :

QA1DUP

Tgt Ion: 50 Resp: 32887

Ion Ratio Lower Upper

50 100

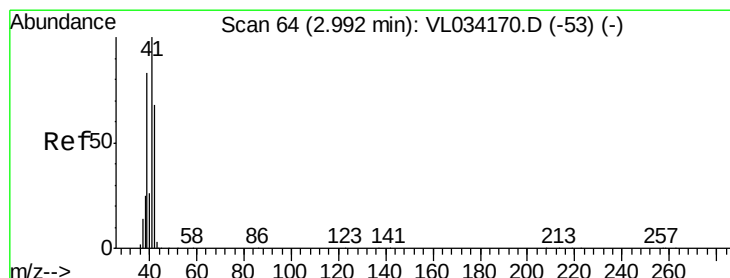
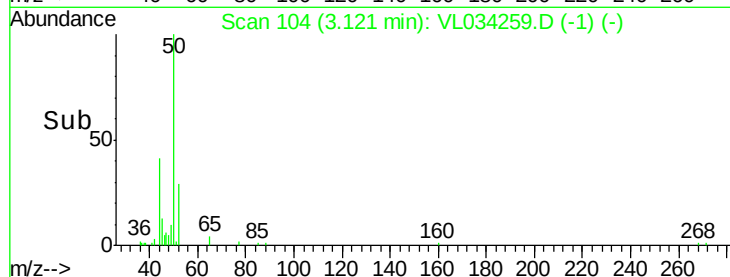
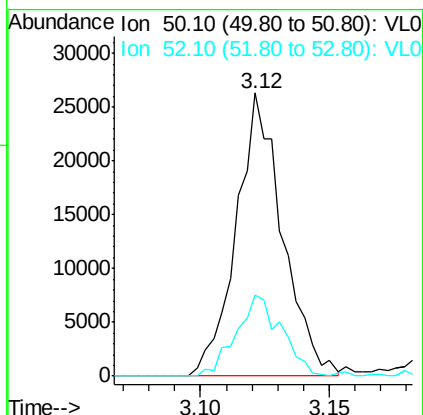
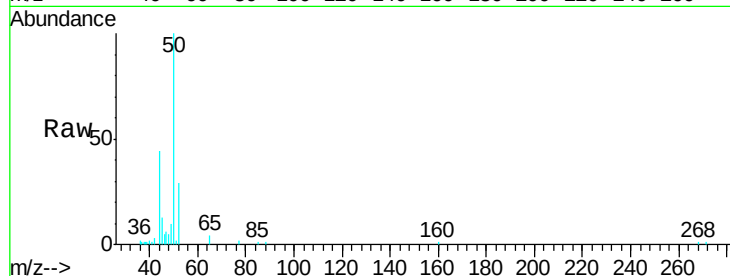
52 28.9 27.1 40.7

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#9

Propene

Concen: 0.564 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL034259.D

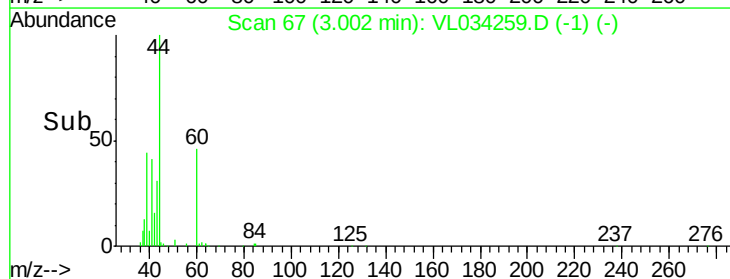
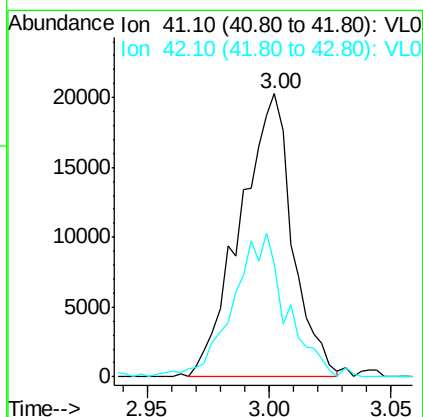
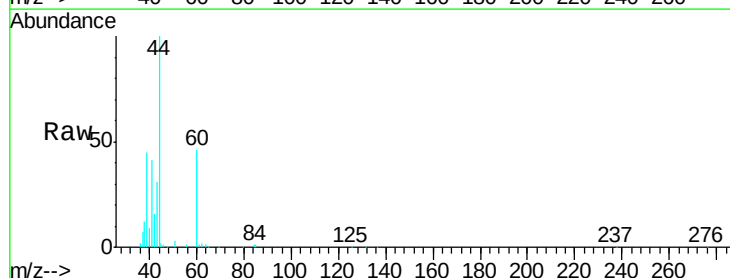
Acq: 8 Oct 2019 21:52

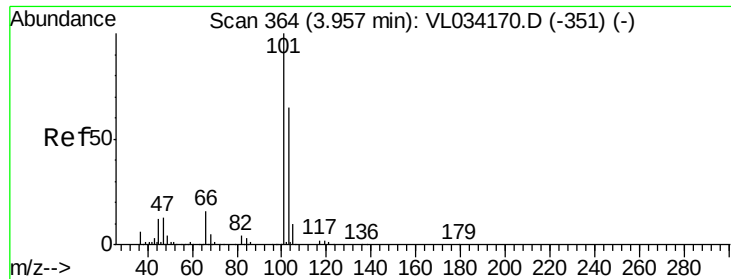
Tgt Ion: 41 Resp: 30195

Ion Ratio Lower Upper

41 100

42 165.0 55.8 83.6#





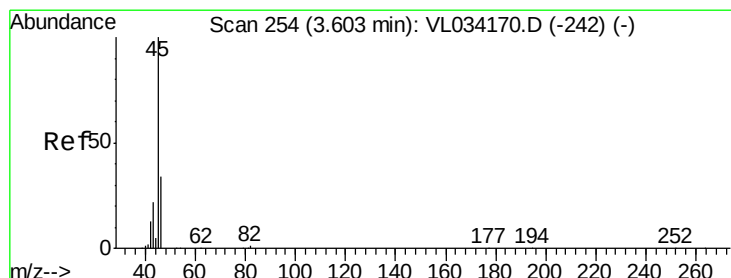
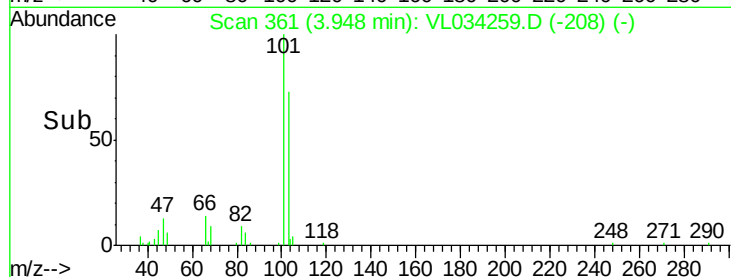
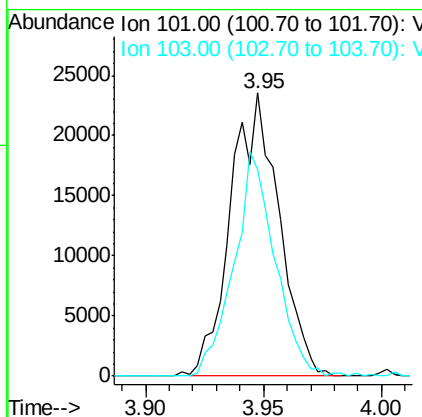
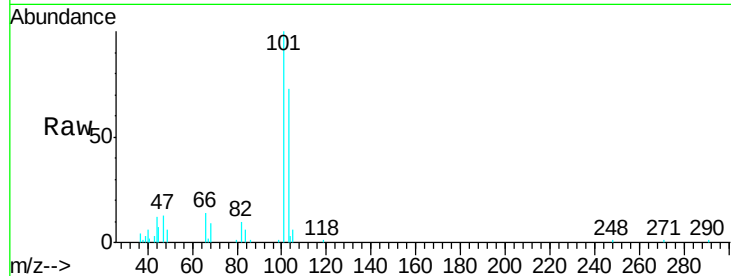
#11
 Trichlorofluoromethane
 Concen: 0.268 ppbv m
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL034259.D
 Acq: 8 Oct 2019 21:52

Instrument :
 MSVOA_L
 ClientSampleId :
 QA1DUP

Tgt Ion:101 Resp: 33342
 Ion Ratio Lower Upper
 101 100
 103 72.8 52.1 78.1

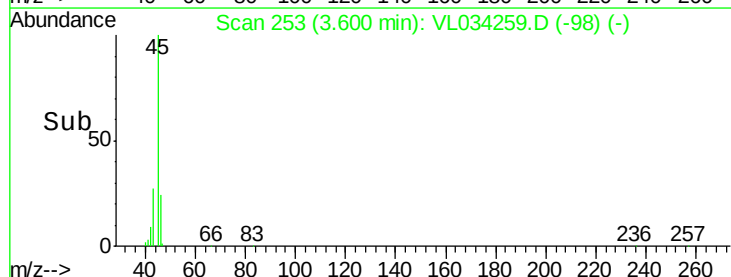
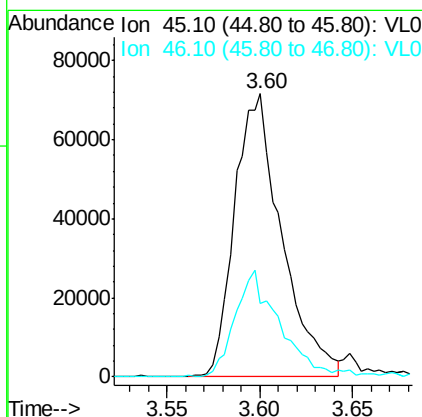
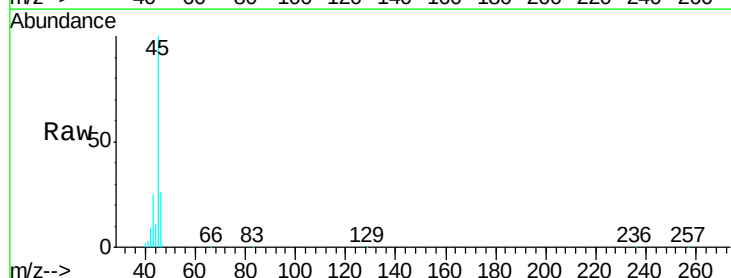
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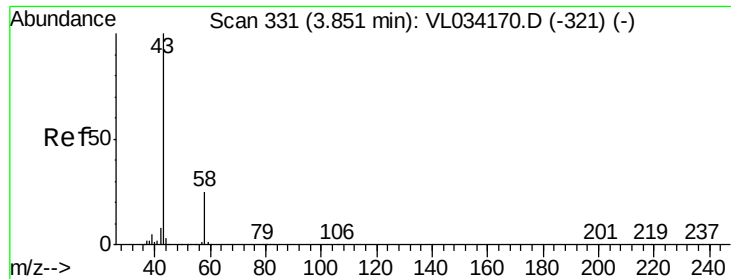
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#13
 Ethanol
 Concen: 9.744 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VL034259.D
 Acq: 8 Oct 2019 21:52

Tgt Ion: 45 Resp: 126376
 Ion Ratio Lower Upper
 45 100
 46 36.8 15.5 61.9





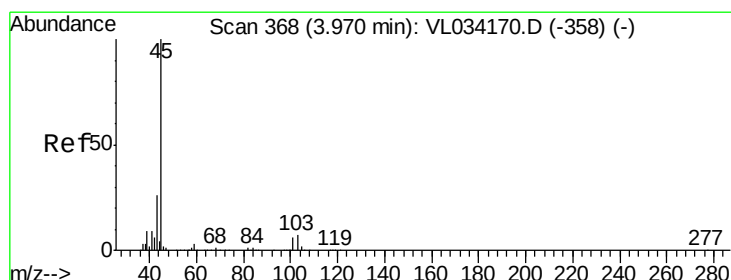
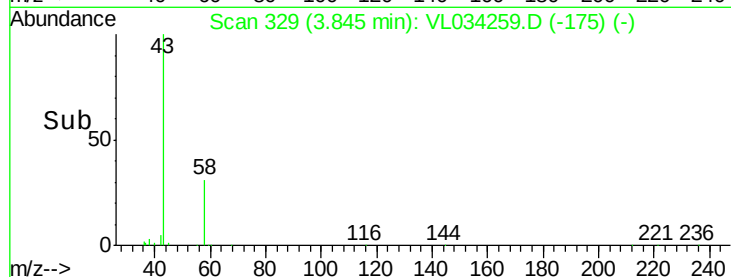
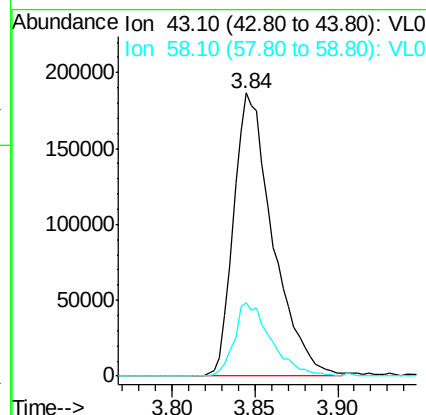
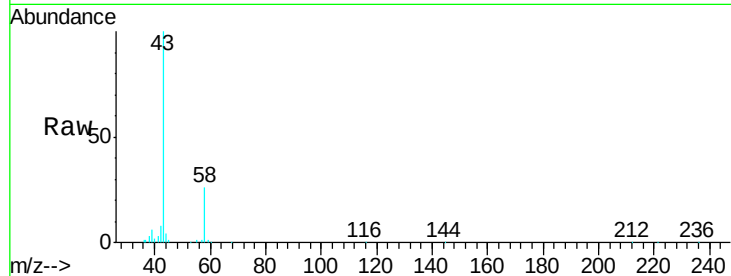
#15
Acetone
Concen: 2.473 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
QA1DUP

Tgt Ion: 43 Resp: 306922
Ion Ratio Lower Upper
43 100
58 24.8 20.5 30.7

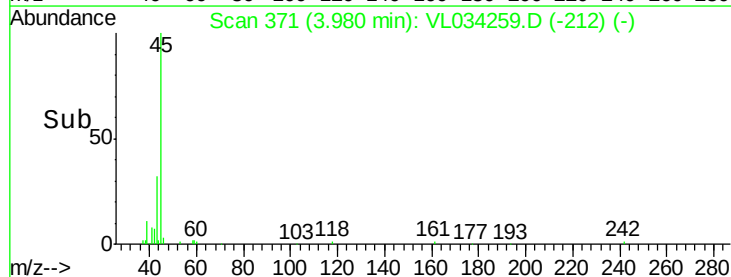
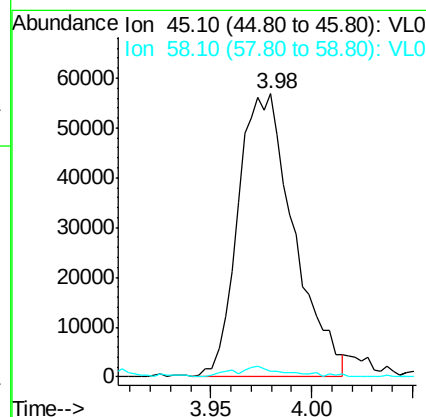
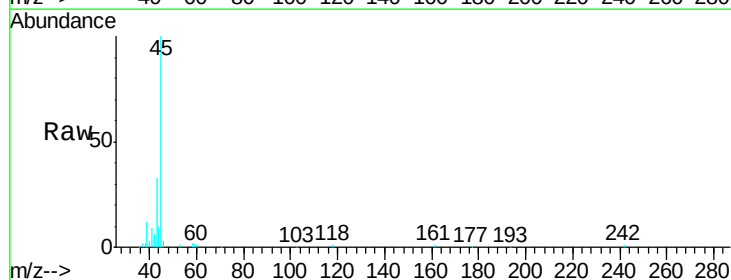
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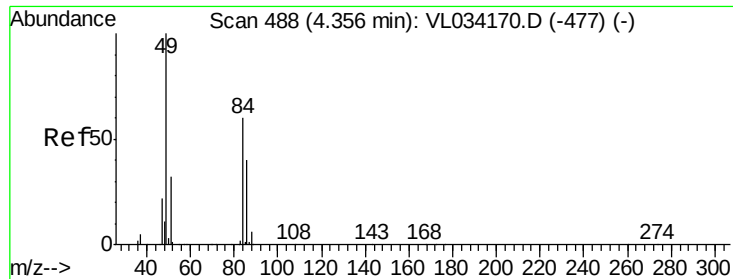
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#19
Isopropyl Alcohol
Concen: 1.437 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 45 Resp: 109634
Ion Ratio Lower Upper
45 100
58 3.0 1.4 2.0#





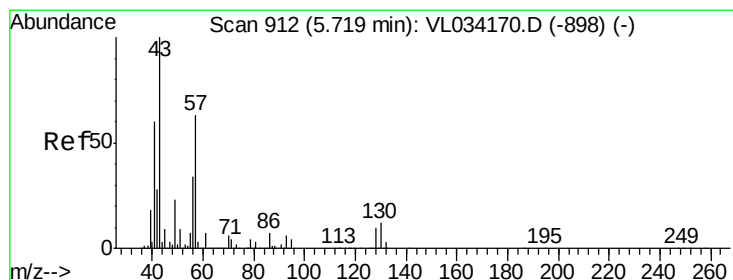
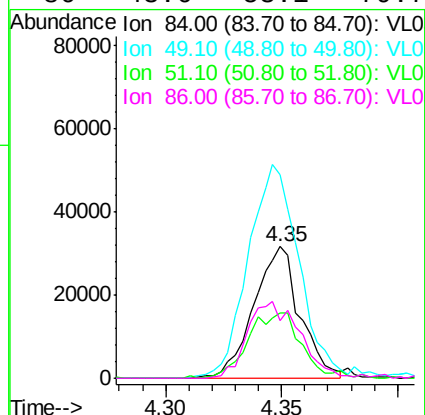
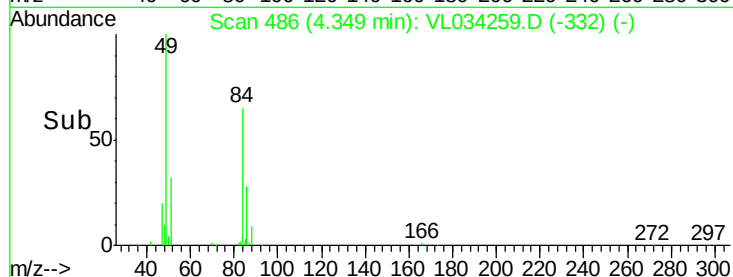
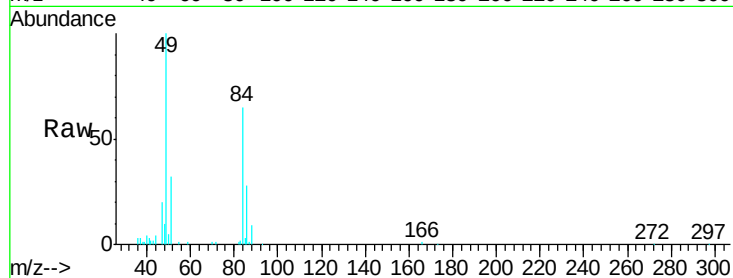
#20
Methylene Chloride
Concen: 1.220 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
QA1DUP

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.0	133.8	200.8
51	48.4	43.6	65.4
86	43.6	53.1	79.7#

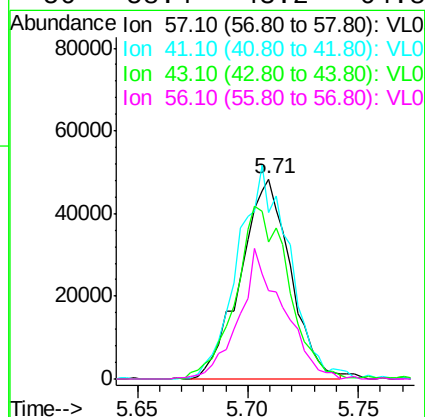
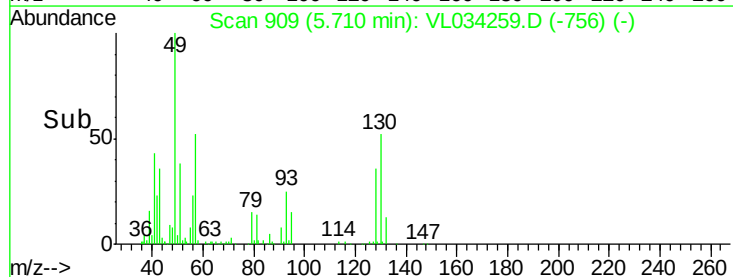
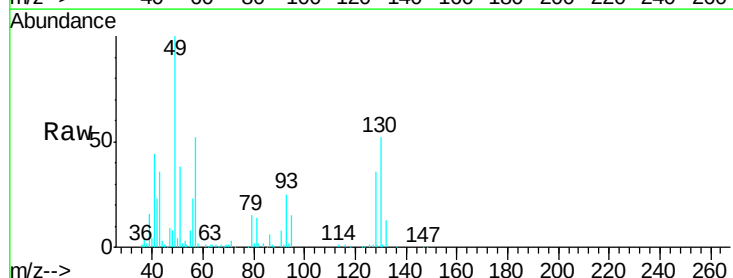
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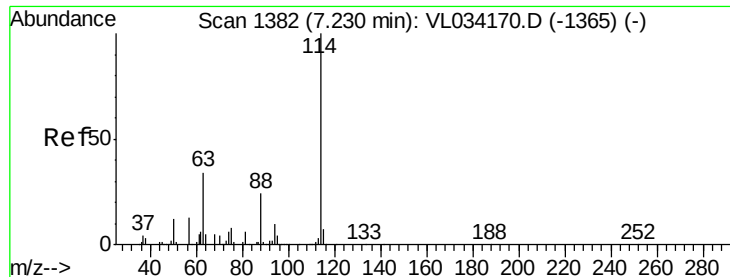
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#26
Hexane
Concen: 0.776 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion	Ratio	Lower	Upper
57	100		
41	110.8	78.5	117.7
43	91.6	189.5	284.3#
56	58.4	43.2	64.8





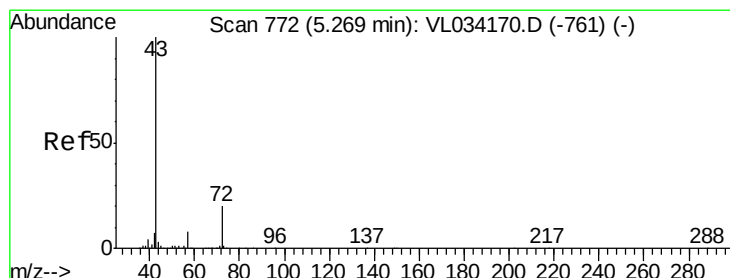
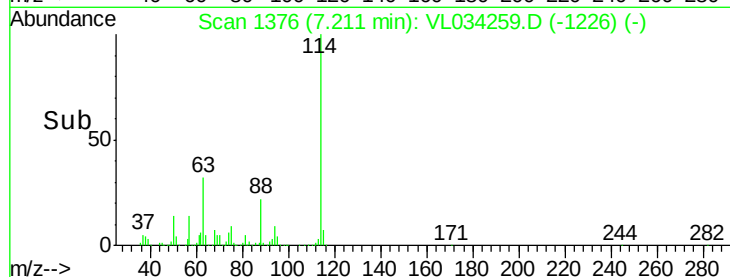
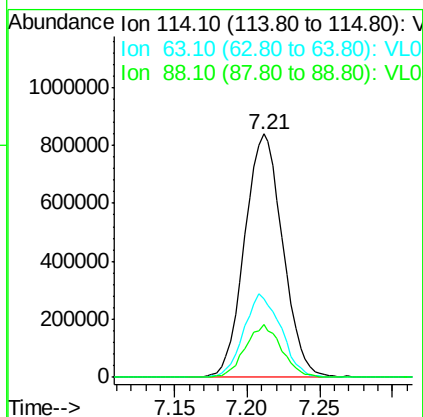
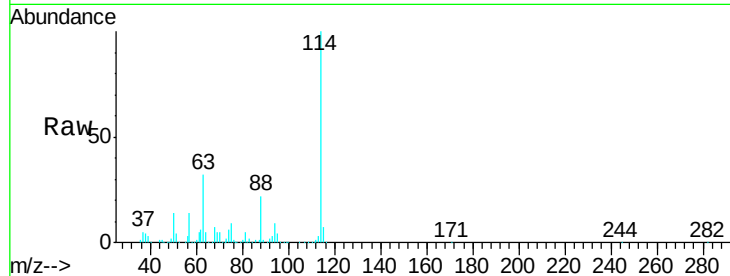
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034259.D
 Acq: 8 Oct 2019 21:52

Instrument :
 MSVOA_L
 ClientSampleId :
 QA1DUP

Tgt Ion	Ratio	Lower	Upper
114	100		
63	33.6	27.8	41.6
88	21.0	17.1	25.7

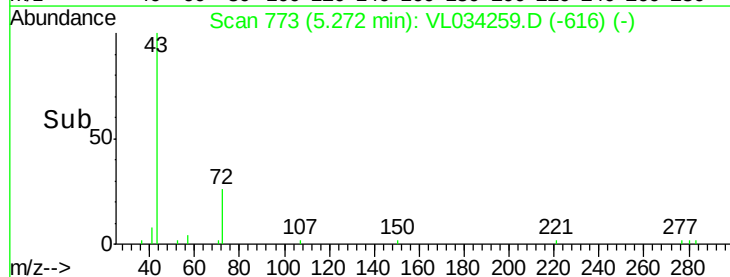
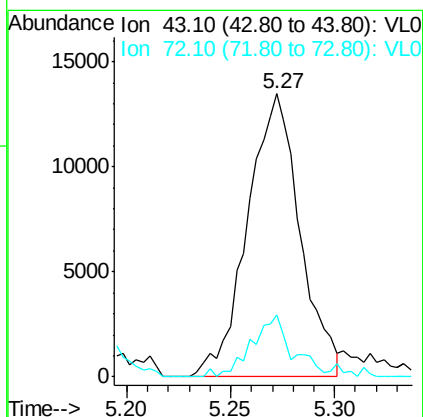
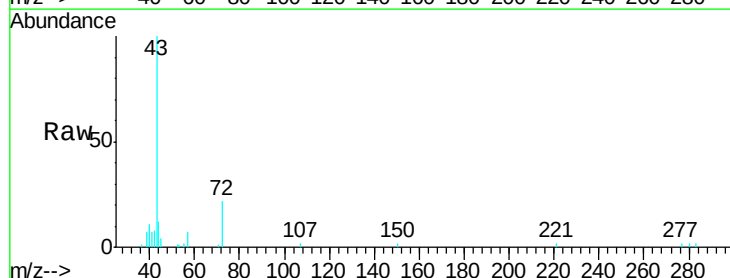
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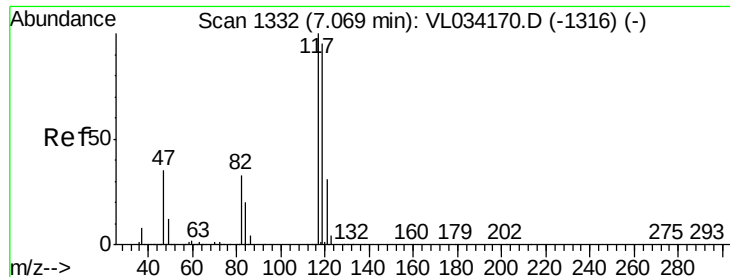
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#34
 2-Butanone
 Concen: 0.151 ppbv m
 RT: 5.27 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VL034259.D
 Acq: 8 Oct 2019 21:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.0	22.6#





#35

Carbon Tetrachloride

Concen: 0.070 ppbv m

RT: 7.05 min Scan# 1327

Delta R.T. -0.02 min

Lab File: VL034259.D

Acq: 8 Oct 2019 21:52

Instrument :

MSVOA_L

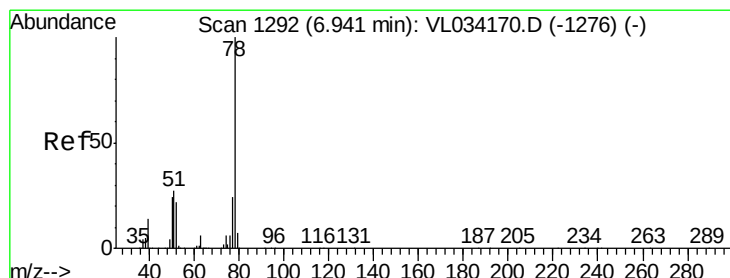
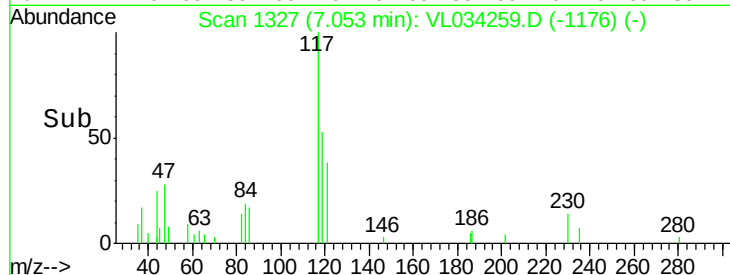
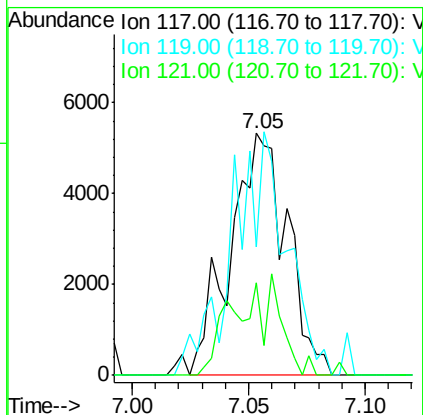
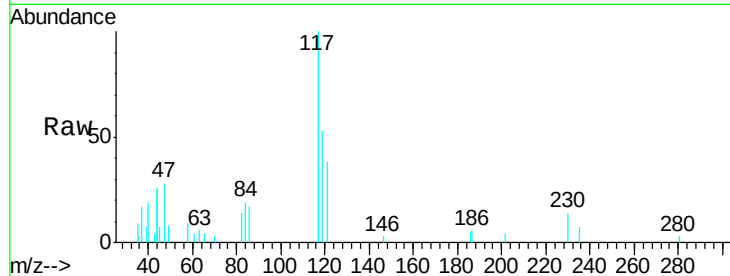
ClientSampleId :

QA1DUP

Tgt Ion	Ratio	Lower	Upper
117	100		
119	53.1	75.8	113.6#
121	38.5	25.0	37.6#

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#36

Benzene

Concen: 0.104 ppbv

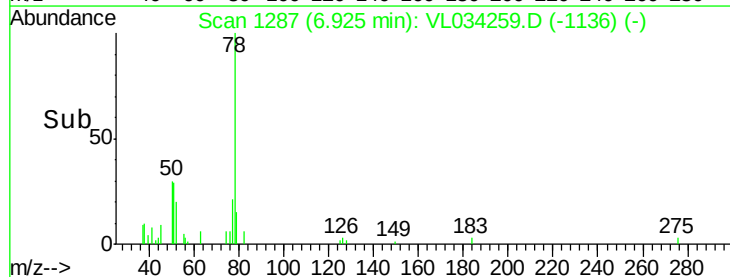
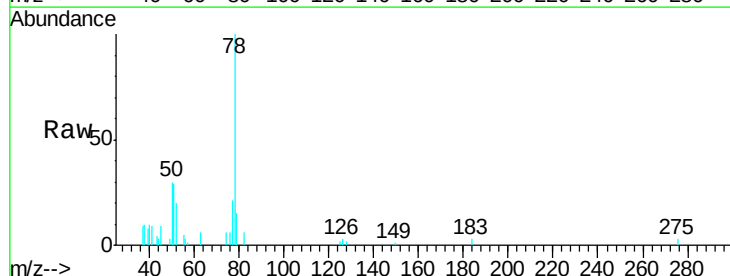
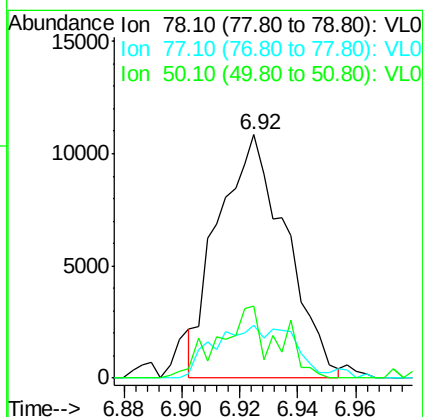
RT: 6.92 min Scan# 1287

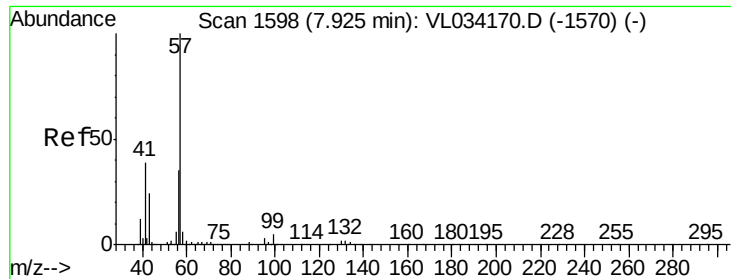
Delta R.T. -0.02 min

Lab File: VL034259.D

Acq: 8 Oct 2019 21:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.3	19.0	28.4
50	30.8	18.9	28.3#





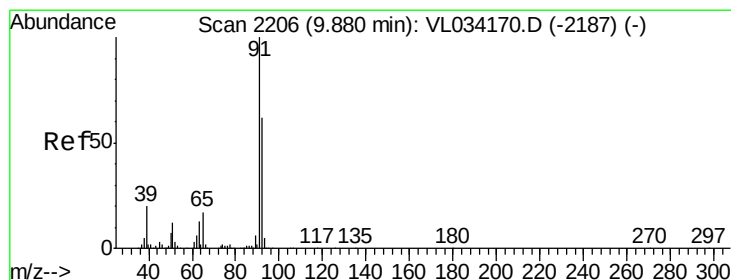
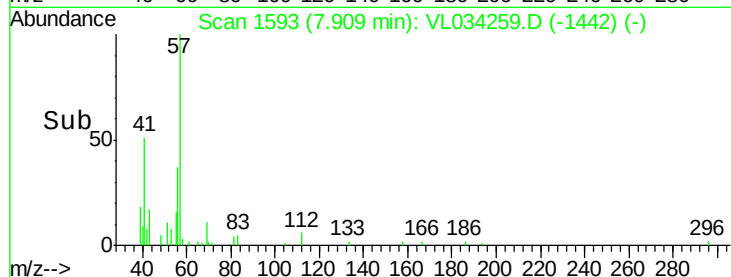
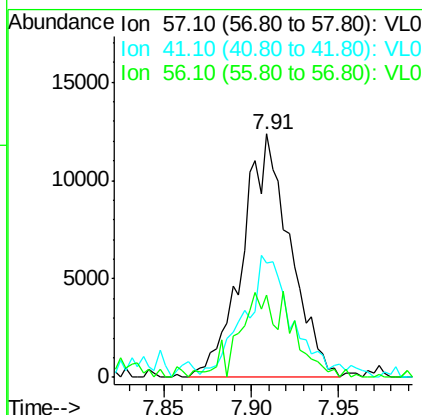
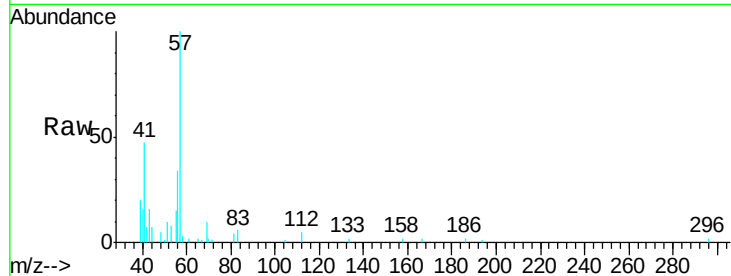
#44
 2,2,4-Trimethylpentane
 Concen: 0.072 ppbv m
 RT: 7.91 min Scan# 1593
 Delta R.T. -0.02 min
 Lab File: VL034259.D
 Acq: 8 Oct 2019 21:52

Instrument :
 MSVOA_L
 ClientSampleId :
 QA1DUP

Tgt Ion	Ratio	Lower	Upper
57	100		
41	53.5	29.8	44.6#
56	37.7	25.9	38.9

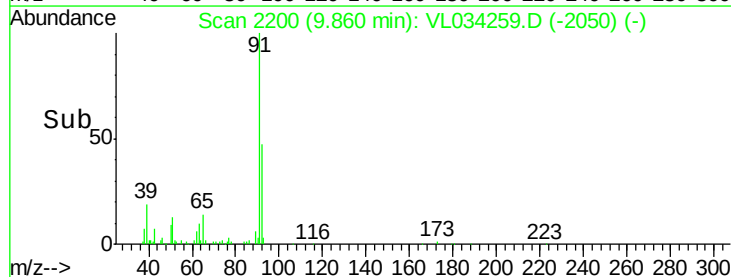
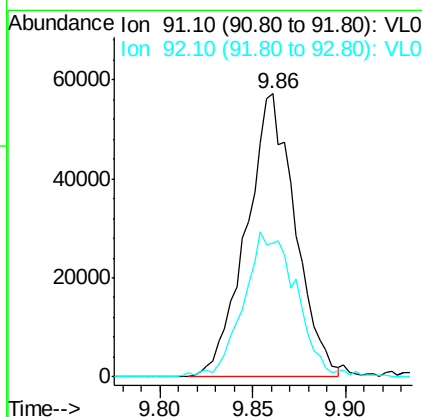
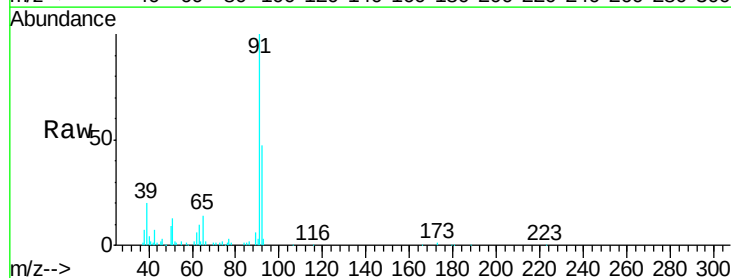
Manual Integrations
 APPROVED

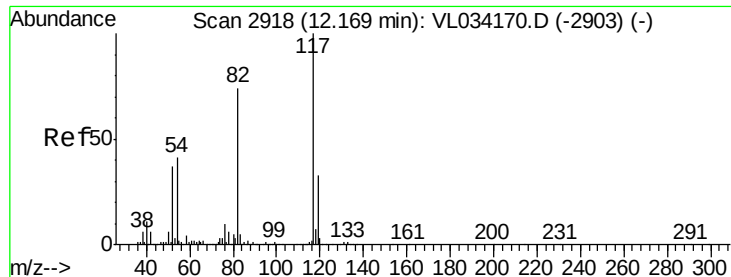
MMDadoda
 10/11/2019 5:07:27 PM



#53
 Toluene
 Concen: 0.565 ppbv
 RT: 9.86 min Scan# 2200
 Delta R.T. -0.02 min
 Lab File: VL034259.D
 Acq: 8 Oct 2019 21:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	49.0	73.6





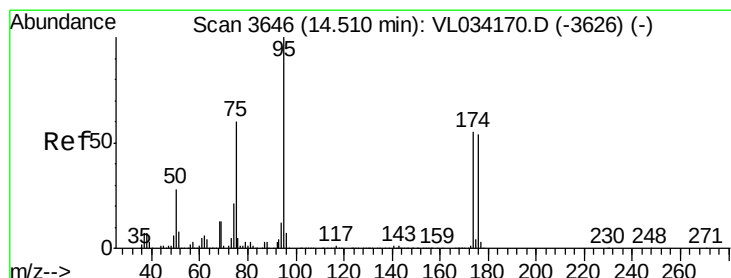
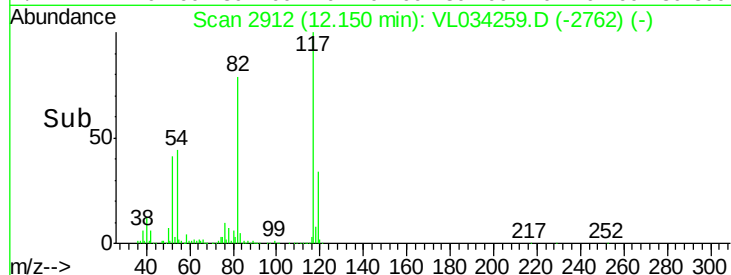
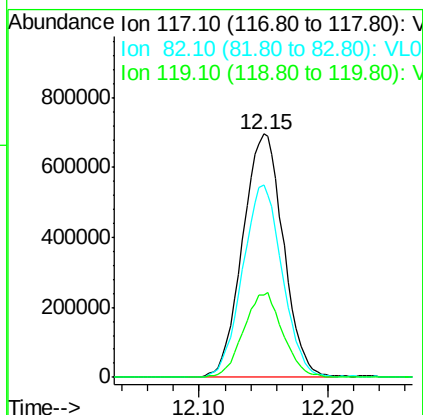
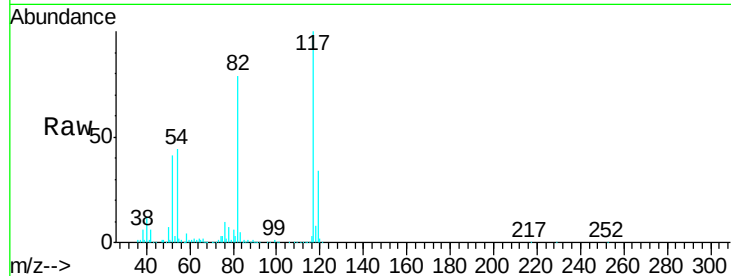
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
QA1DUP

Tgt Ion: 117 Resp: 1530966
Ion Ratio Lower Upper
117 100
82 77.2 58.2 87.4
119 33.5 23.7 35.5

Manual Integrations
APPROVED

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10/11/2019 5:07:27 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.493 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.03 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 95 Resp: 1395874
Ion Ratio Lower Upper
95 100
174 54.0 45.1 67.7
175 3.9 3.3 4.9

