

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101419\
 Data File : VL034282.D
 Acq On : 14 Oct 2019 15:19
 Operator : SY/AP
 Sample : K5353-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Manual Integrations
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 10/16/2019 12:59:19 AM

Quant Time: Oct 15 07:53:27 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 2019
 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	944027	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1593230	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1536136m	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.49	95	1384474	10.37	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	88258m	0.633	ppbv	
3) Chlorodifluoromethane	2.97	51	31047m	0.280	ppbv	
4) Chloromethane	3.13	50	28254	0.434	ppbv	100
9) Propene	3.01	41	17288m	0.317	ppbv	
11) Trichlorofluoromethane	3.95	101	32629	0.257	ppbv	91
13) Ethanol	3.60	45	79564	6.017	ppbv	100
15) Acetone	3.85	43	327688	2.590	ppbv	97
20) Methylene Chloride	4.35	84	44975	1.233	ppbv	95
26) Hexane	5.71	57	53711	0.540	ppbv #	60
34) 2-Butanone	5.27	43	26614m	0.164	ppbv	
35) Carbon Tetrachloride	7.05	117	9096m	0.069	ppbv	
53) Toluene	9.86	91	26722m	0.139	ppbv	

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

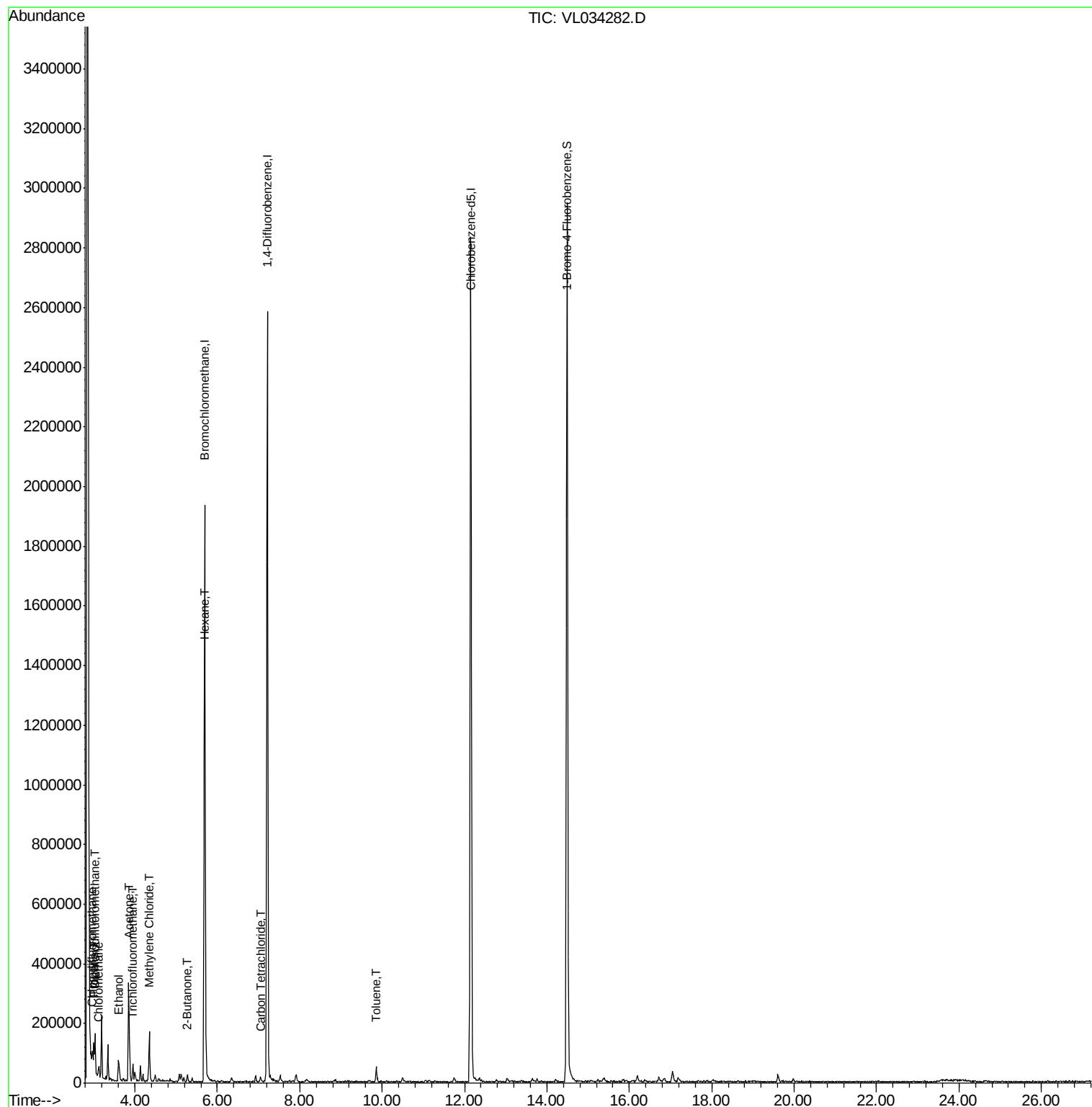
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101419\
Data File : VL034282.D
Acq On : 14 Oct 2019 15:19
Operator : SY/AP
Sample : K5353-01DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

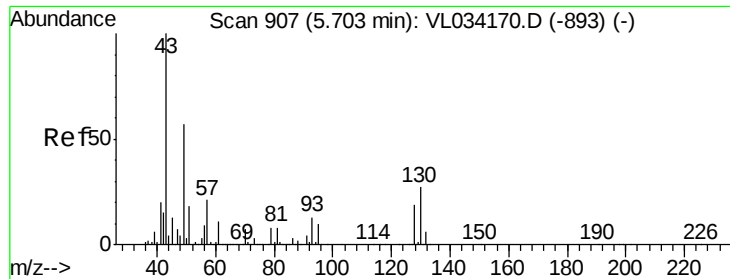
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Manual Integrations
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Quant Time: Oct 15 07:53:27 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: VL034282.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_L

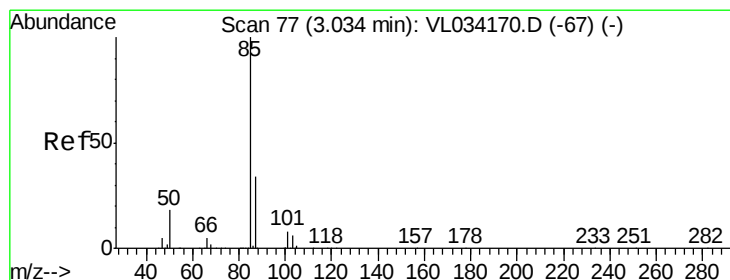
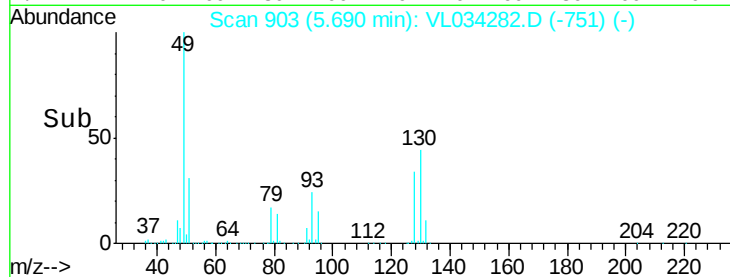
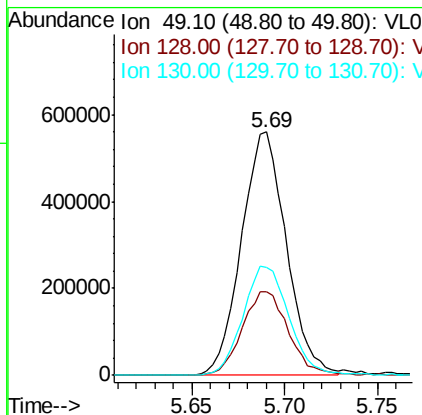
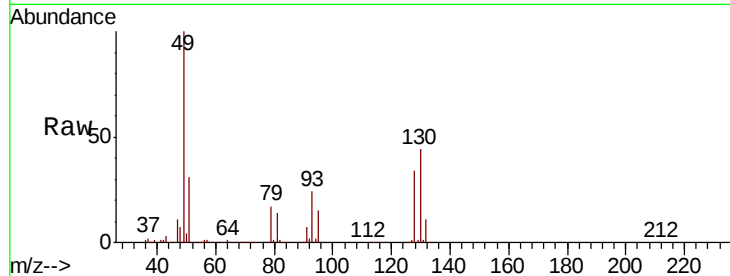
ClientSampled :

AA-1DUP

Tot Ion	Ratio	Lower	Upper
49	100		
128	36.0	17.6	52.9
130	46.5	22.3	66.9

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#2

Dichlorodifluoromethane

Concen: 0.633 ppbv m

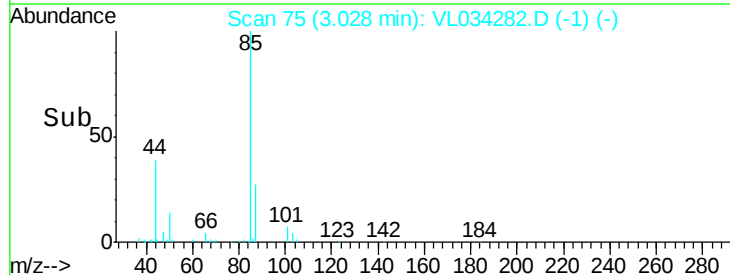
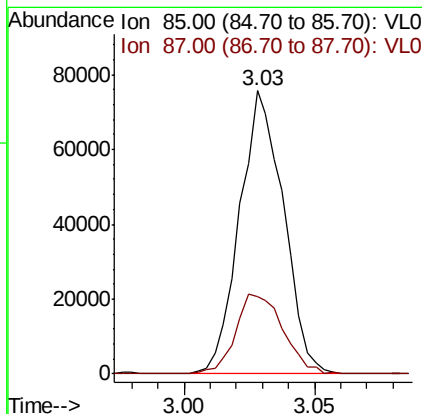
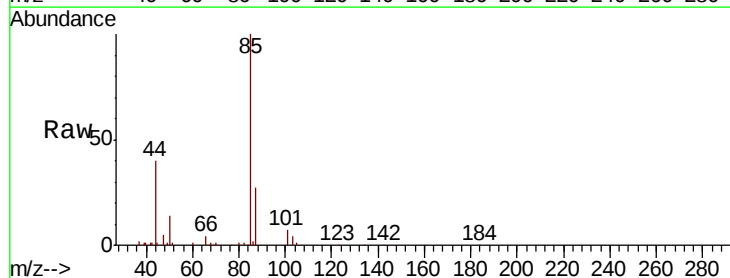
RT: 3.03 min Scan# 75

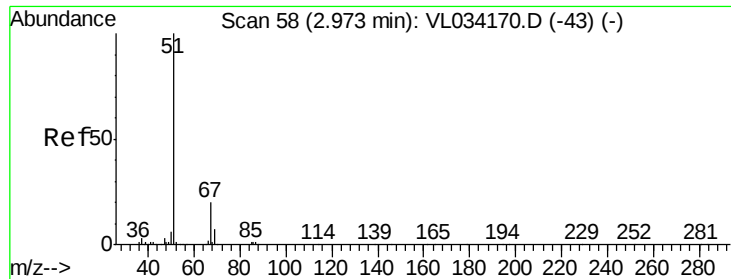
Delta R.T. -0.01 min

Lab File: VL034282.D

Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	27.2	27.2	40.8#





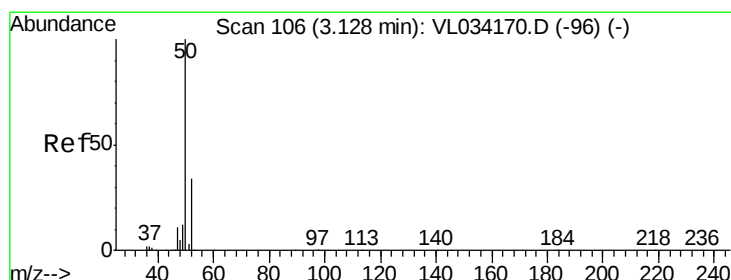
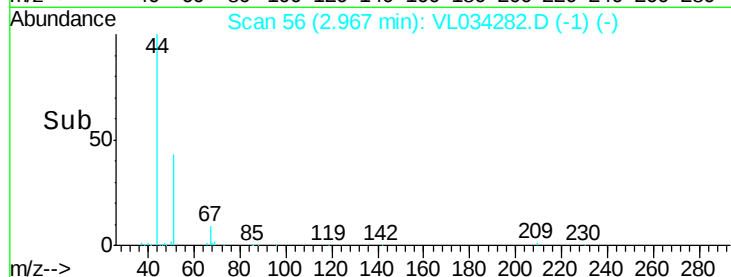
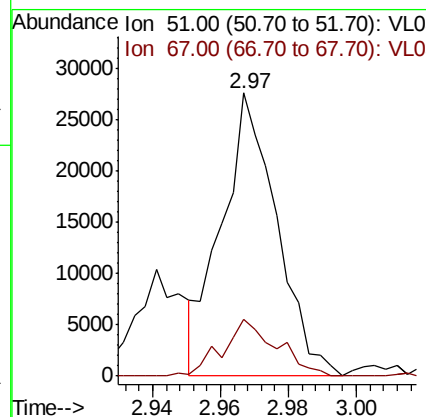
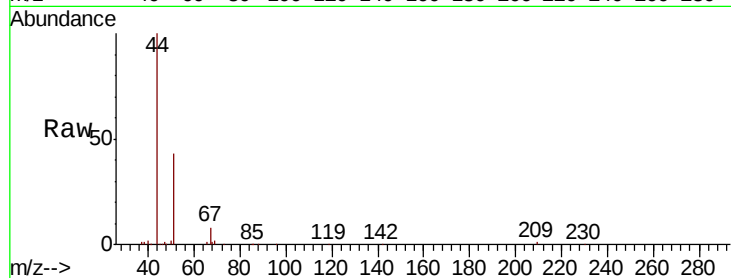
#3
 Chlorodifluoromethane
 Concen: 0.280 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. -0.01 min
 Lab File: VL034282.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.7	14.8	22.2

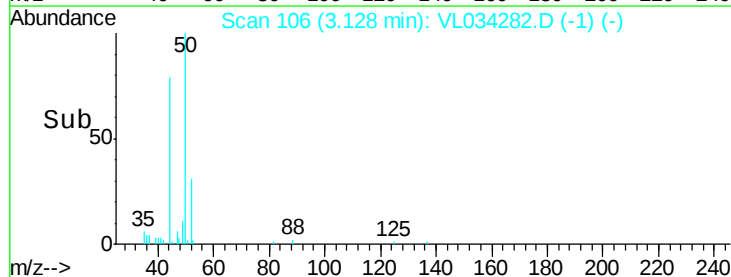
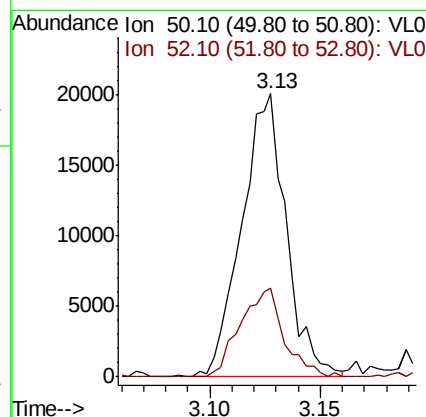
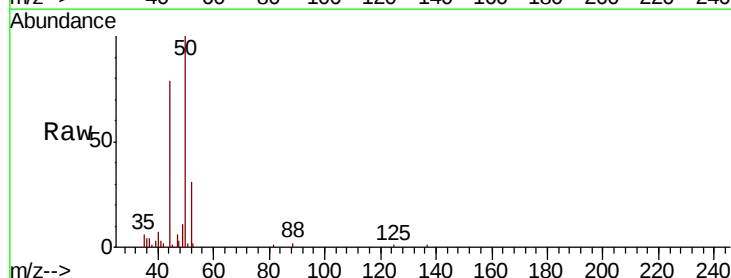
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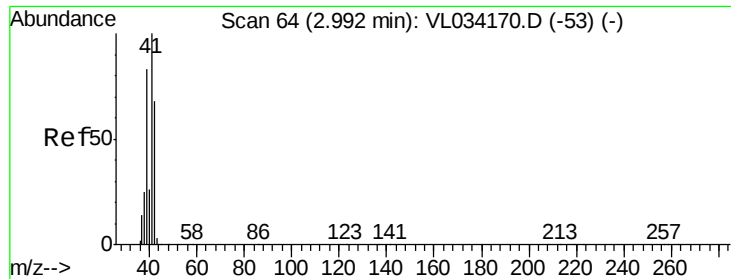
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#4
 Chloromethane
 Concen: 0.434 ppbv
 RT: 3.13 min Scan# 106
 Delta R.T. 0.00 min
 Lab File: VL034282.D
 Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.1	40.7





#9

Propene

Concen: 0.317 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL034282.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_L

ClientSampleId :

AA-1DUP

Tot Ion: 41 Resp: 17288

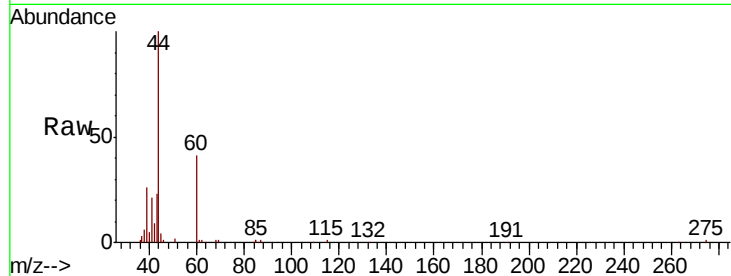
Ion Ratio Lower Upper

41 100

42 213.6 55.8 83.6#

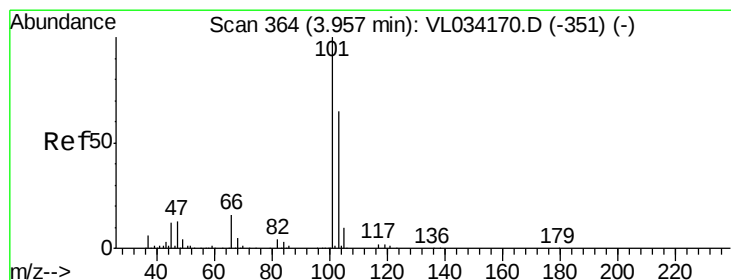
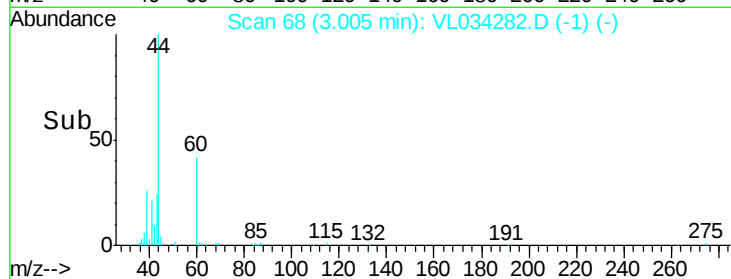
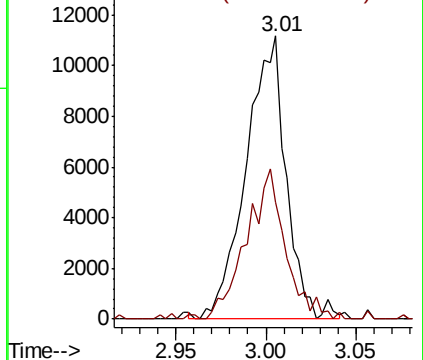
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.257 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034282.D

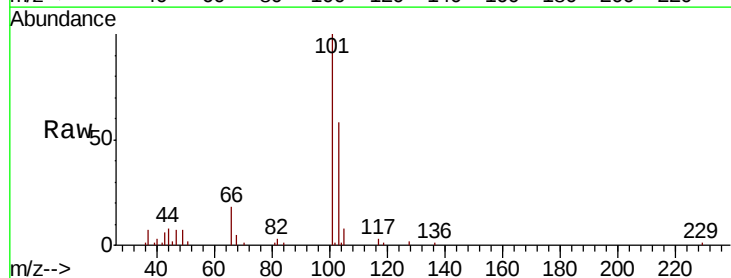
Acq: 14 Oct 2019 15:19

Tgt Ion: 101 Resp: 32629

Ion Ratio Lower Upper

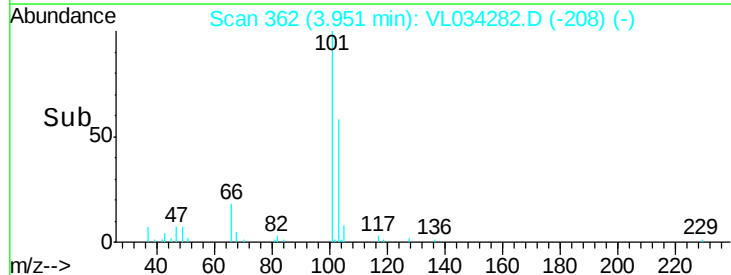
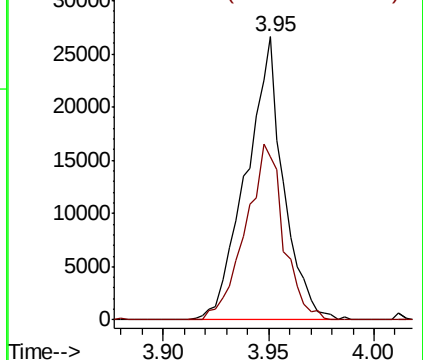
101 100

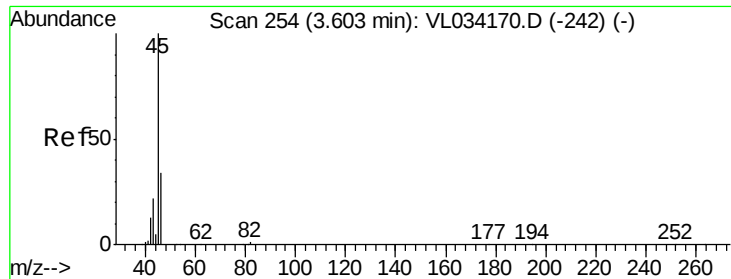
103 57.8 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





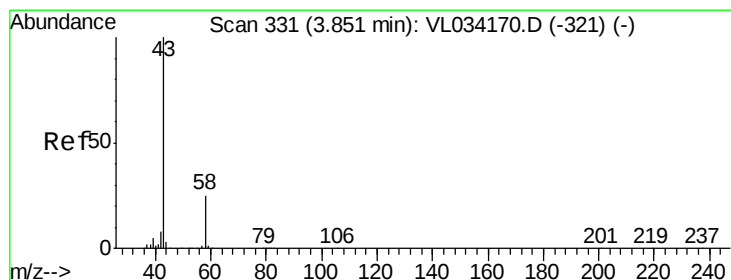
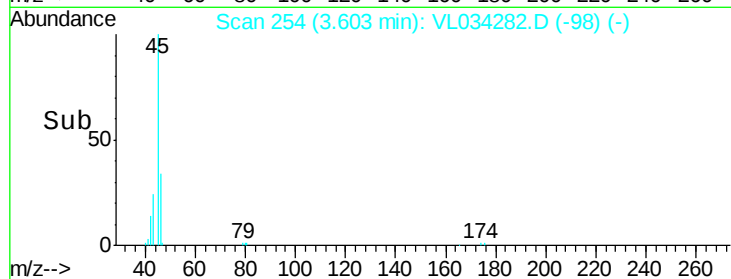
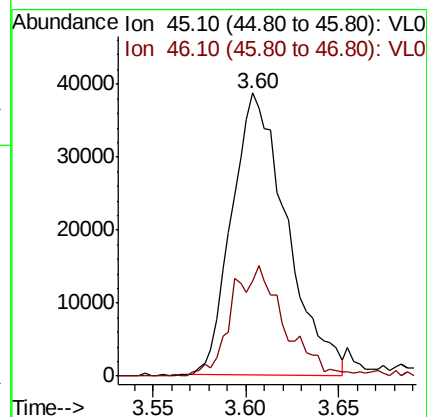
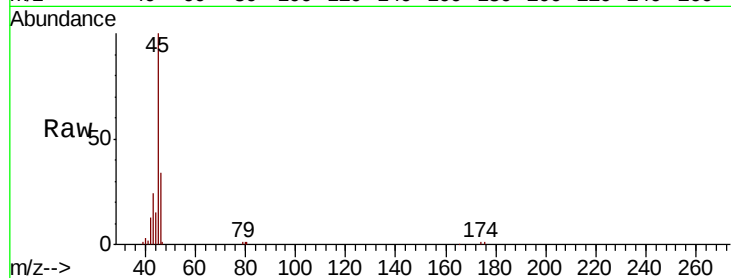
#13
Ethanol
Concen: 6.017 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034282.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tot Ion	45	46	Ratio	Lower	Upper
Resp:	79564				
Ion	45	46	100	38.5	15.5
				61.9	

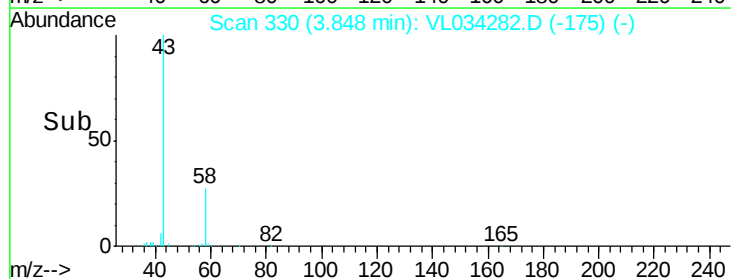
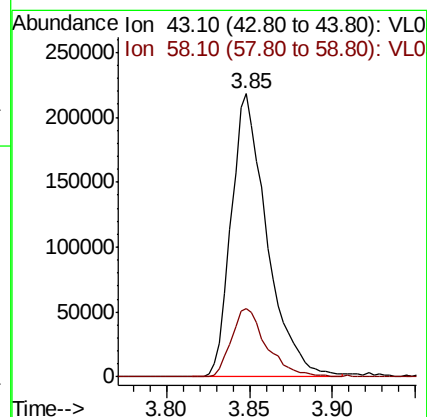
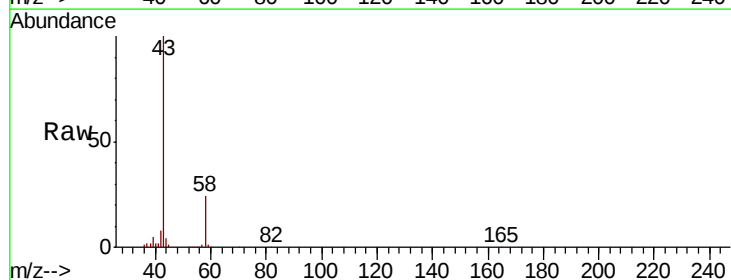
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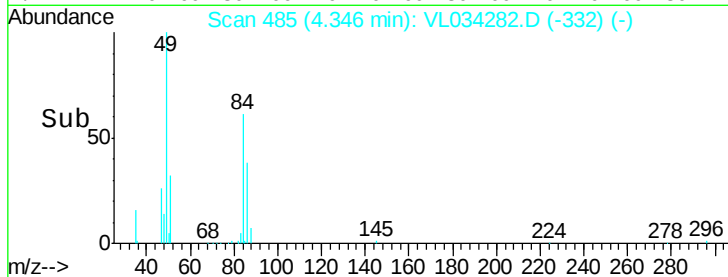
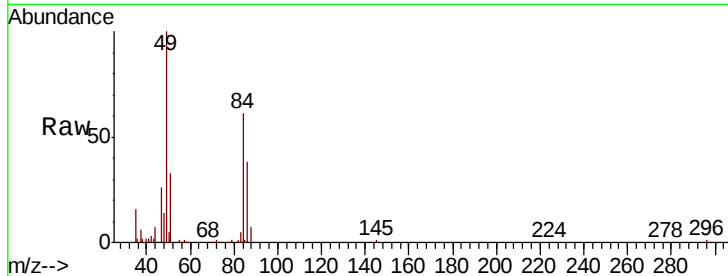
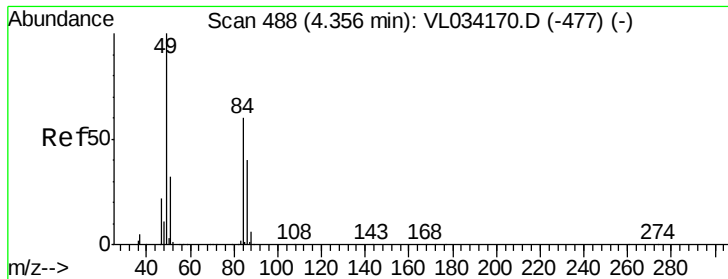
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#15
Acetone
Concen: 2.590 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034282.D
Acq: 14 Oct 2019 15:19

Tgt Ion	43	58	Ratio	Lower	Upper
Resp:	327688				
Ion	43	58	100	24.1	20.5
				30.7	





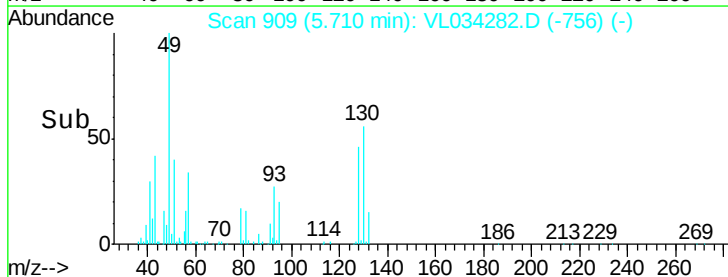
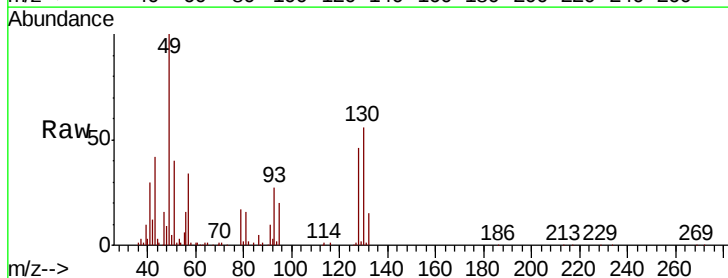
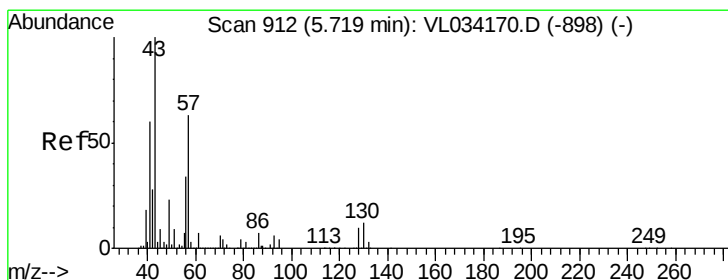
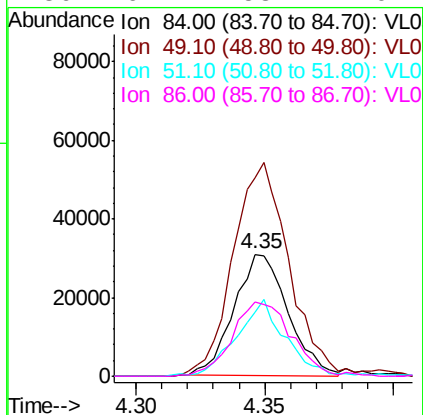
#20
Methvlene Chloride
Concen: 1.233 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034282.D
Acq: 14 Oct 2019 15:19

Tot Ion:	84	Resp:	44975
Ion	Ratio	Lower	Upper
84	100		
49	160.0	133.8	200.8
51	52.2	43.6	65.4
86	61.2	53.1	79.7

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

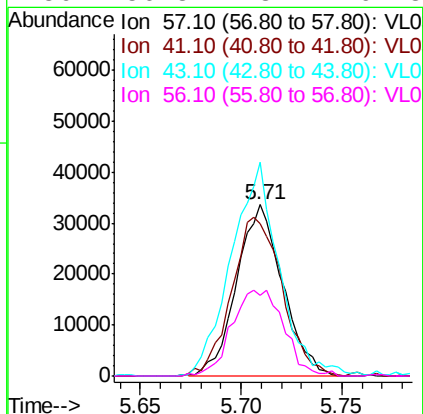
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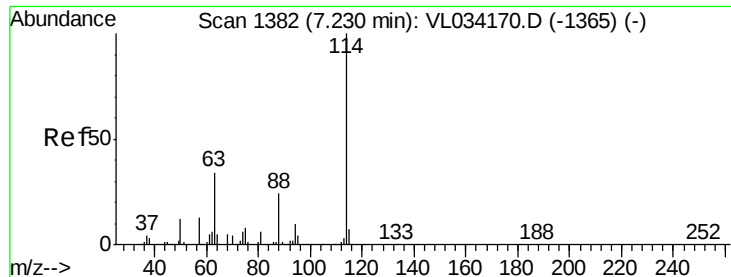
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#26
Hexane
Concen: 0.540 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034282.D
Acq: 14 Oct 2019 15:19

Tgt Ion:	57	Resp:	53711
Ion	Ratio	Lower	Upper
57	100		
41	102.7	78.5	117.7
43	132.0	189.5	284.3#
56	56.8	43.2	64.8





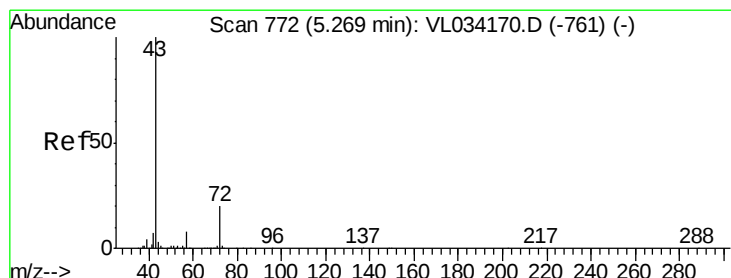
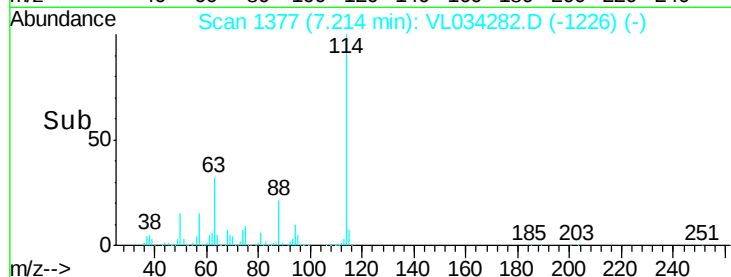
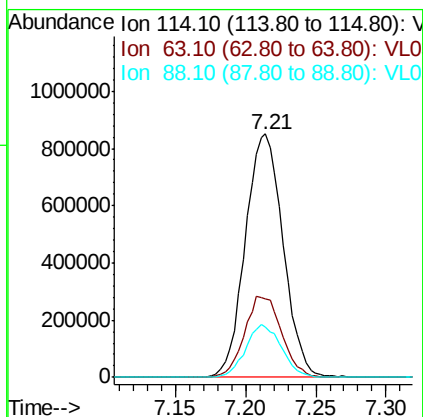
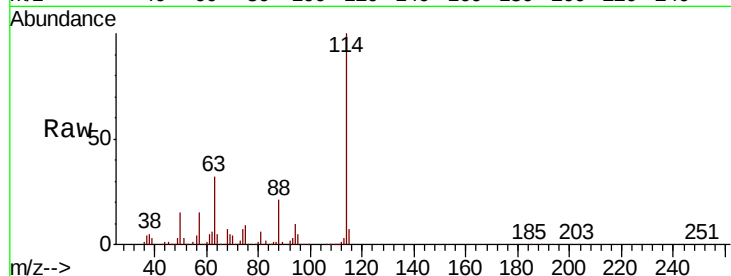
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: VL034282.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	33.1	27.8	41.6
88	20.7	17.1	25.7

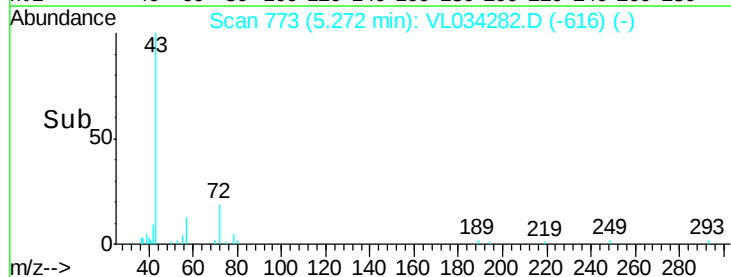
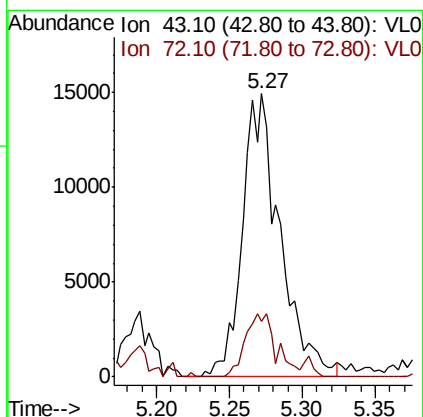
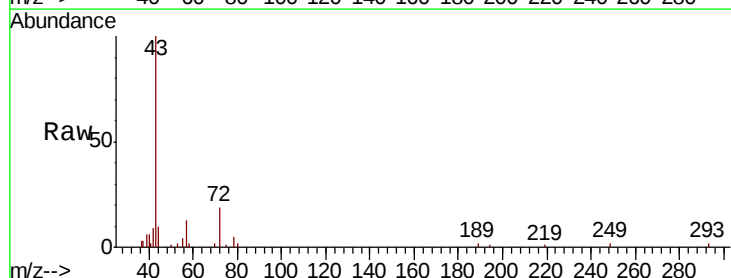
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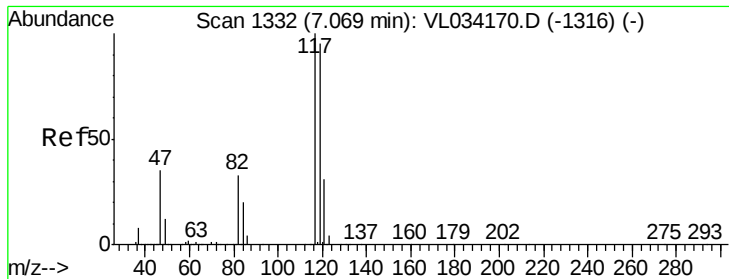
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#34
 2-Butanone
 Concen: 0.164 ppbv m
 RT: 5.27 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VL034282.D
 Acq: 14 Oct 2019 15:19

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





#35

Carbon Tetrachloride

Concen: 0.069 ppbv m

RT: 7.05 min Scan# 1326

Delta R.T. -0.02 min

Lab File: VL034282.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_L

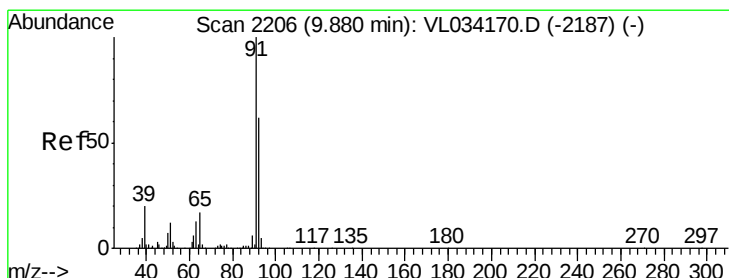
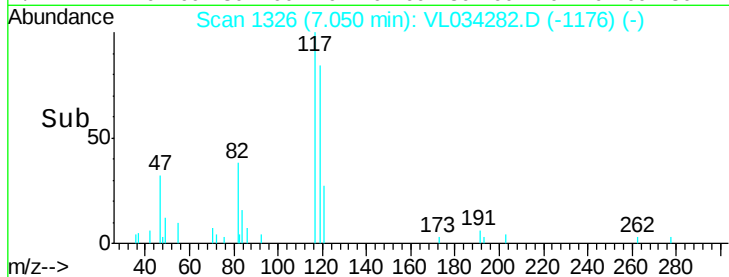
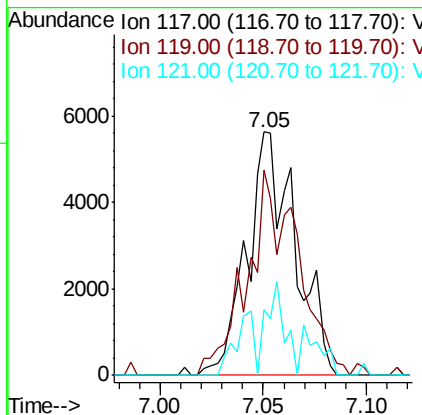
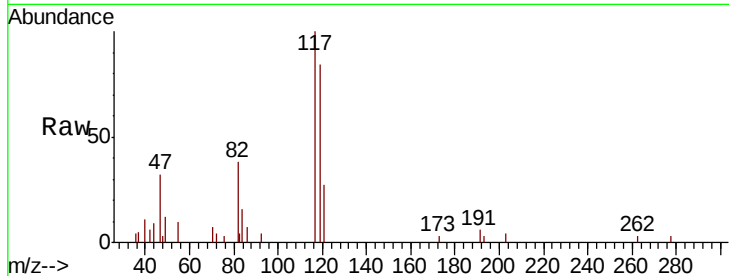
ClientSampleId :

AA-1DUP

Tot Ion	Ratio	Lower	Upper
117	100		
119	84.3	75.8	113.6
121	27.1	25.0	37.6

Manual Integrations
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#53

Toluene

Concen: 0.139 ppbv m

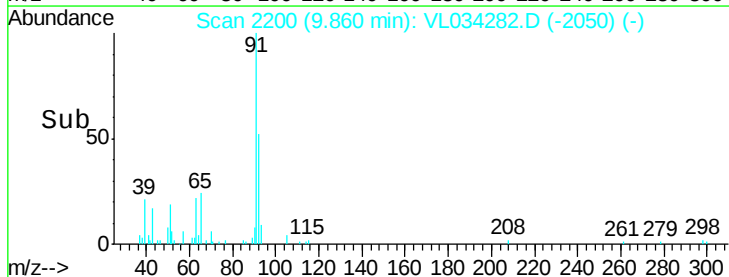
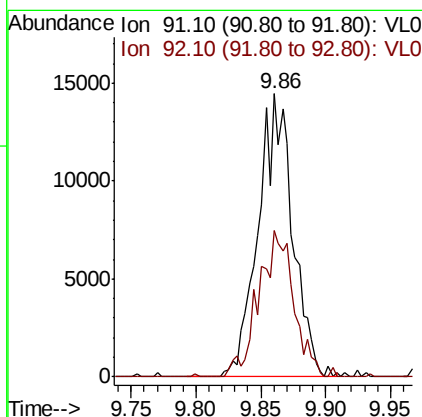
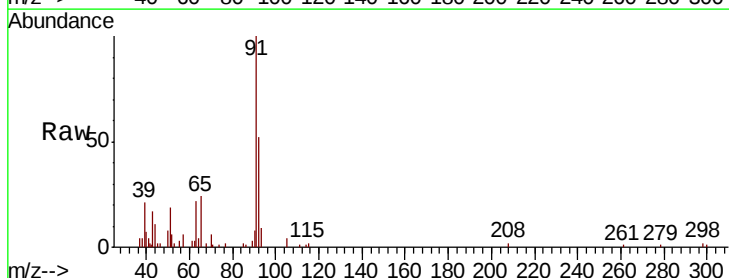
RT: 9.86 min Scan# 2200

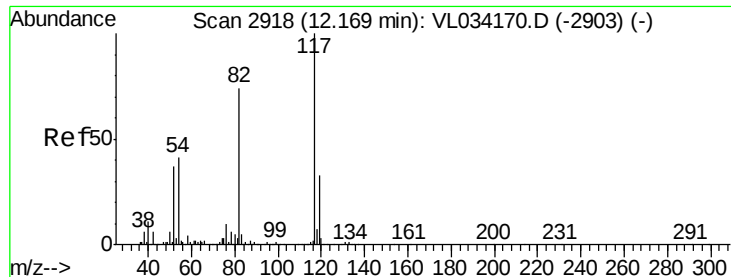
Delta R.T. -0.02 min

Lab File: VL034282.D

Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	49.0	73.6





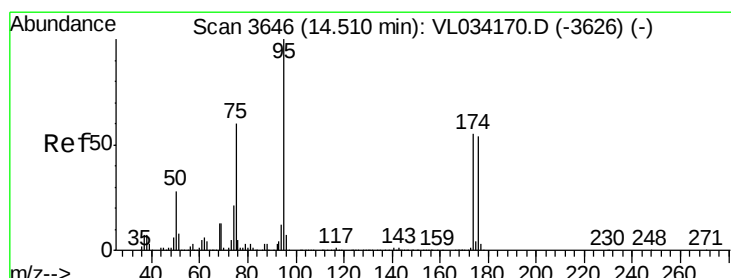
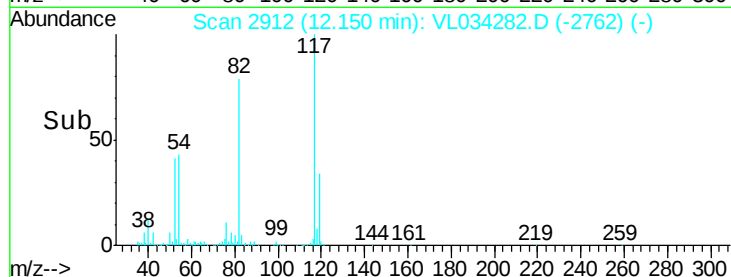
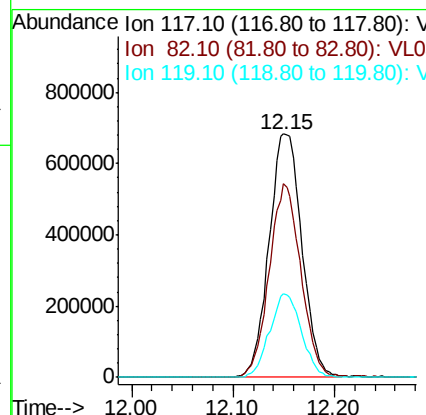
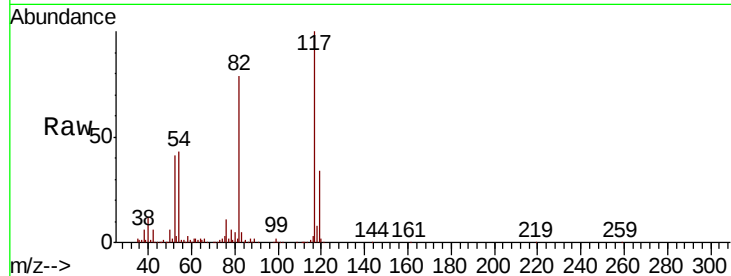
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034282.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tot Ion:117 Resp: 1536136
Ion Ratio Lower Upper
117 100
82 76.6 58.2 87.4
119 33.5 23.7 35.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:59:19 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.372 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034282.D
Acq: 14 Oct 2019 15:19

Tgt Ion: 95 Resp: 1384474
Ion Ratio Lower Upper
95 100
174 54.9 45.1 67.7
175 3.9 3.3 4.9

