

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101419\
 Data File : VL034281.D
 Acq On : 14 Oct 2019 14:39
 Operator : SY/AP
 Sample : K5353-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

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

Quant Time: Oct 15 07:12:37 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 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	983651	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1654476	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1589103	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1420317	10.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	86599	0.596	ppbv	92
3) Chlorodifluoromethane	2.97	51	31340m	0.272	ppbv	
4) Chloromethane	3.12	50	29426	0.434	ppbv	93
9) Propene	3.00	41	16716	0.294	ppbv	98
11) Trichlorofluoromethane	3.95	101	30937	0.234	ppbv	99
13) Ethanol	3.61	45	71095	5.160	ppbv	97
15) Acetone	3.85	43	324302	2.460	ppbv	96
20) Methylene Chloride	4.35	84	37440	0.985	ppbv #	89
26) Hexane	5.71	57	52551m	0.507	ppbv	
34) 2-Butanone	5.26	43	25687m	0.152	ppbv	
35) Carbon Tetrachloride	7.06	117	8376m	0.061	ppbv	
53) Toluene	9.86	91	26563m	0.133	ppbv	

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

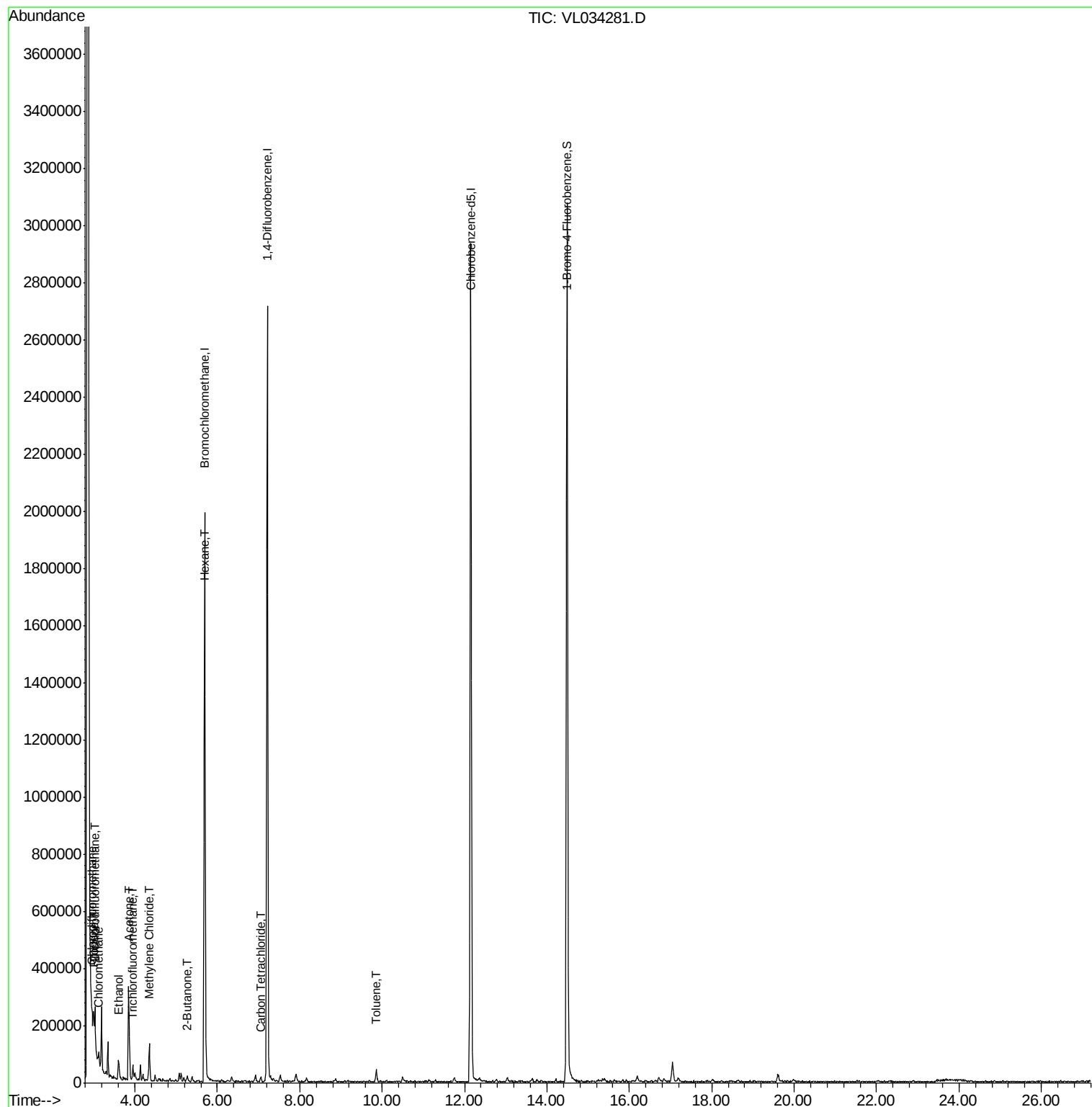
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101419\
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Operator : SY/AP
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Misc : 400ml/MSVOA L
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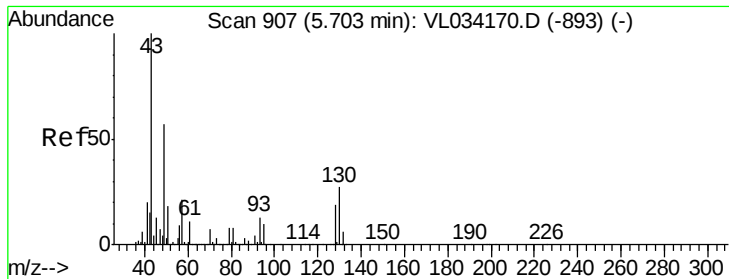
Instrument :
MSVOA_L
ClientSampleId :
AA-1

Manual Integrations
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Quant Time: Oct 15 07:12:37 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: VL034281.D

Acq: 14 Oct 2019 14:39

Instrument :

MSVOA_L

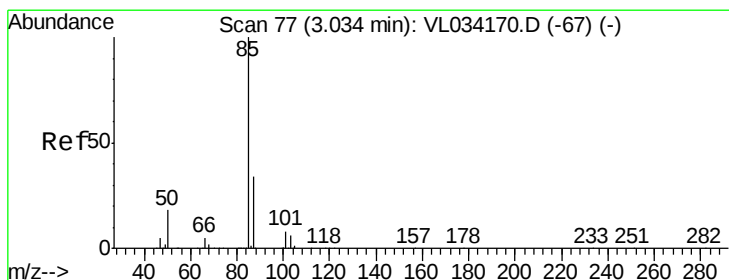
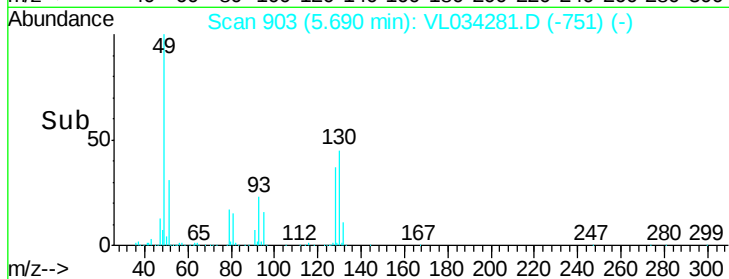
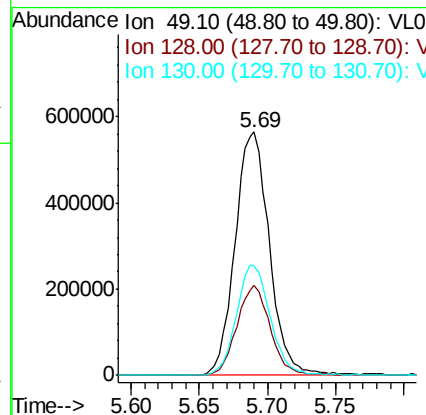
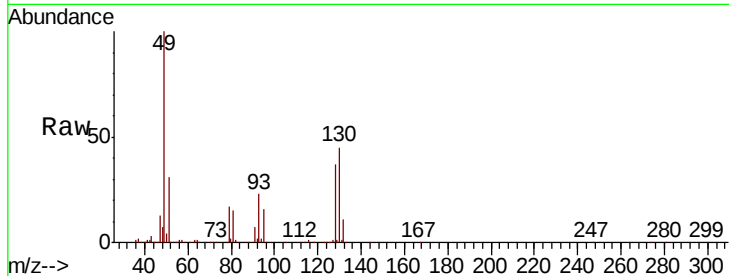
ClientSampleId :

AA-1

Tot Ion:	49	Resp:	983651
Ion	Ratio	Lower	Upper
49	100		
128	36.3	17.6	52.9
130	45.2	22.3	66.9

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.596 ppbv

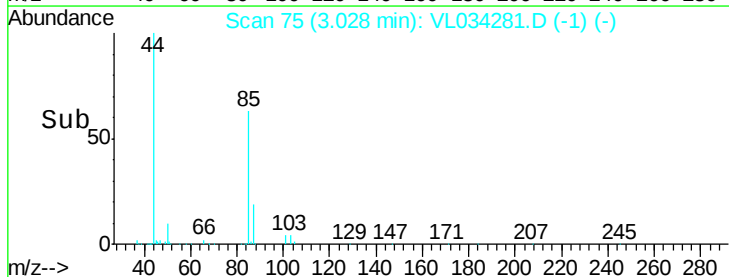
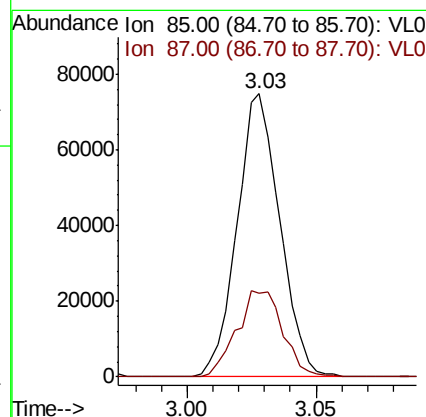
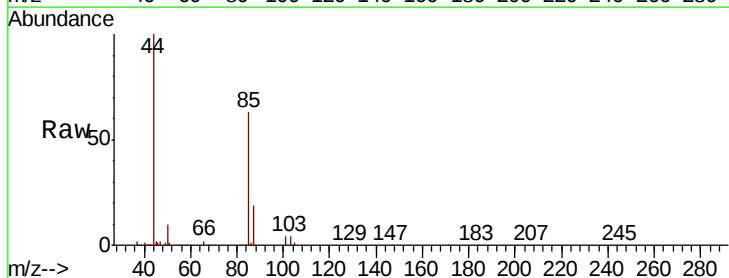
RT: 3.03 min Scan# 75

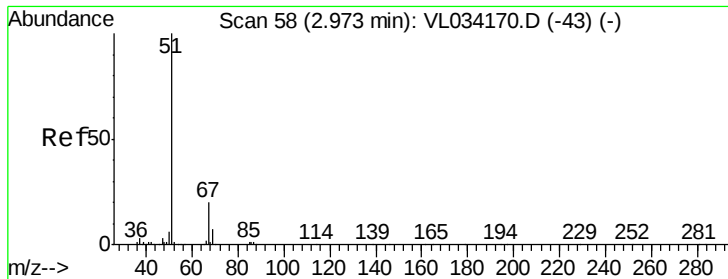
Delta R.T. -0.01 min

Lab File: VL034281.D

Acq: 14 Oct 2019 14:39

Tgt Ion:	85	Resp:	86599
Ion	Ratio	Lower	Upper
85	100		
87	29.4	27.2	40.8





#3

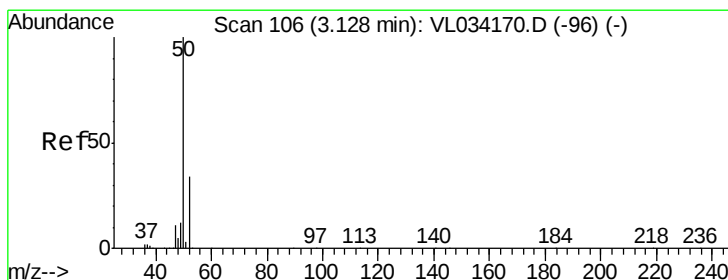
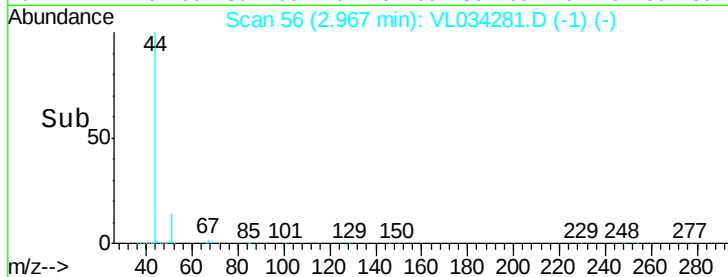
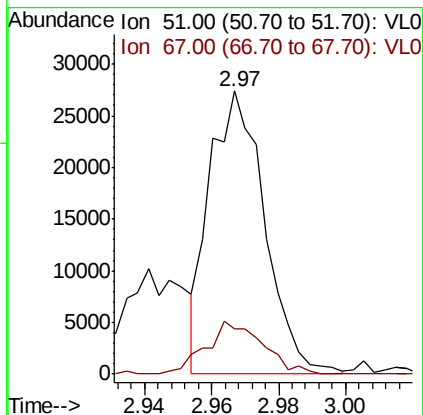
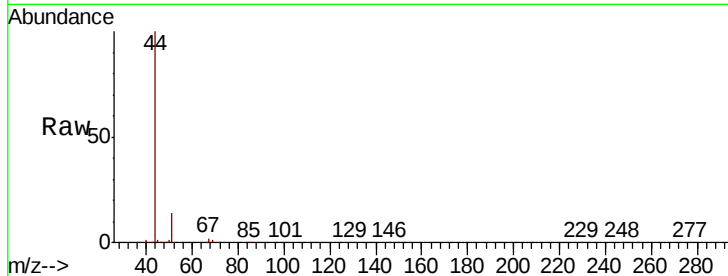
Chlorodifluoromethane
 Concen: 0.272 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. -0.01 min
 Lab File: VL034281.D
 Acq: 14 Oct 2019 14:39

Instrument :
 MSVOA_L
 ClientSampled :
 AA-1

Tot Ion	Ion	Ratio	Lower	Upper
51	100			
67	19.3	14.8	22.2	

Manual Integrations
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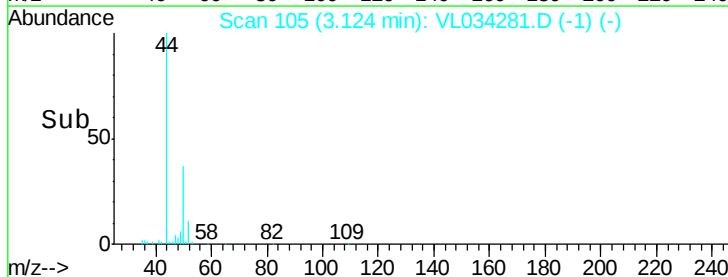
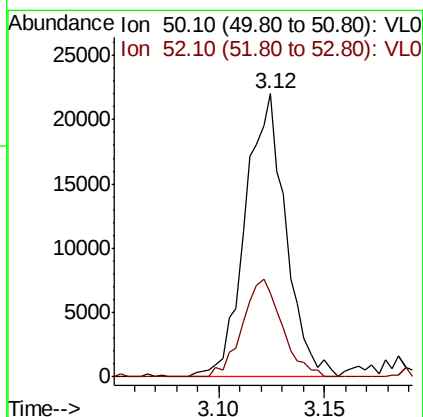
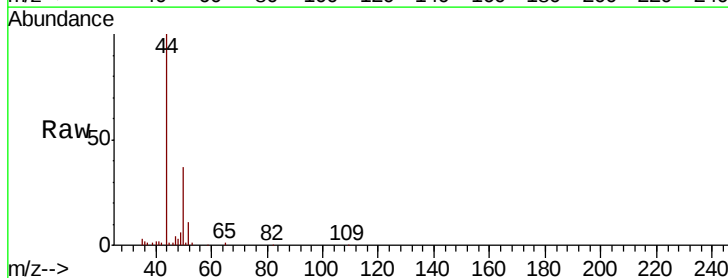
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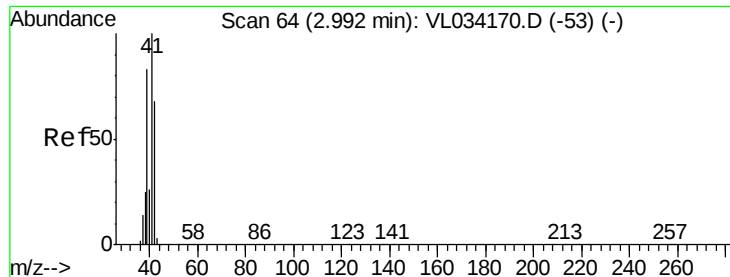


#4

Chloromethane
 Concen: 0.434 ppbv
 RT: 3.12 min Scan# 105
 Delta R.T. -0.00 min
 Lab File: VL034281.D
 Acq: 14 Oct 2019 14:39

Tgt Ion	Ion	Ratio	Lower	Upper
50	100			
52	29.7	27.1	40.7	





#9

Propene

Concen: 0.294 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL034281.D

Acq: 14 Oct 2019 14:39

Instrument :

MSVOA_L

ClientSampled :

AA-1

Tot Ion: 41 Resp: 16716

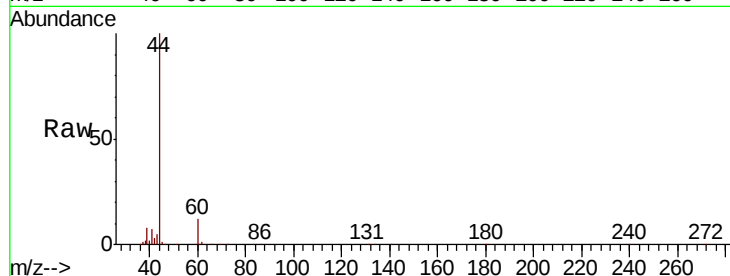
Ion Ratio Lower Upper

41 100

42 68.1 55.8 83.6

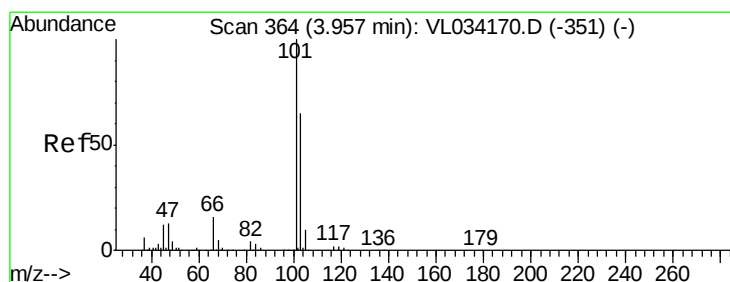
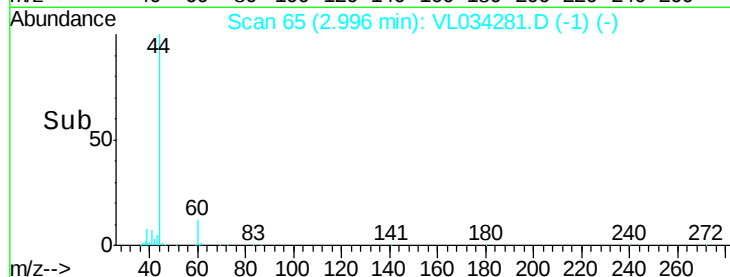
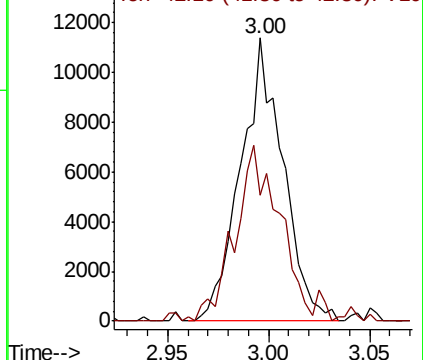
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.234 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL034281.D

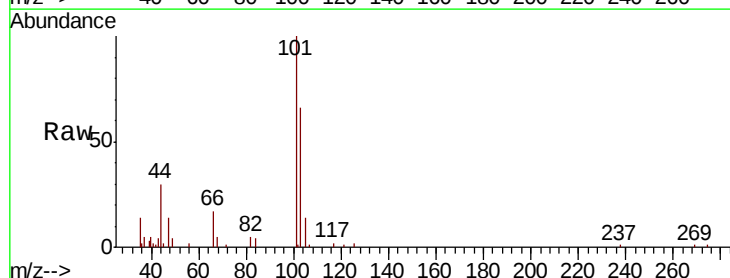
Acq: 14 Oct 2019 14:39

Tgt Ion: 101 Resp: 30937

Ion Ratio Lower Upper

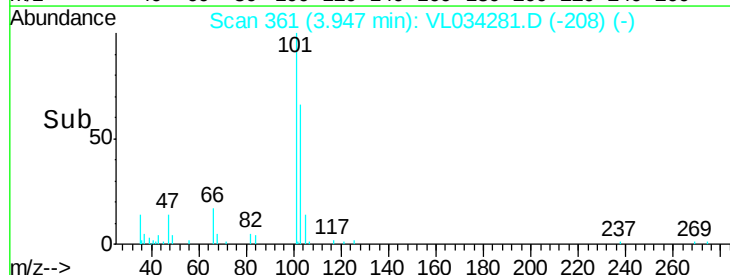
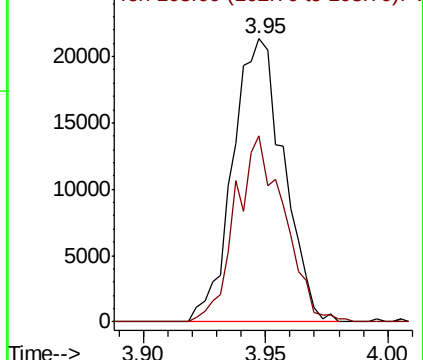
101 100

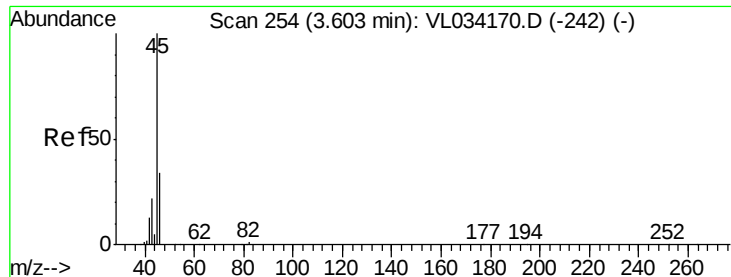
103 65.7 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





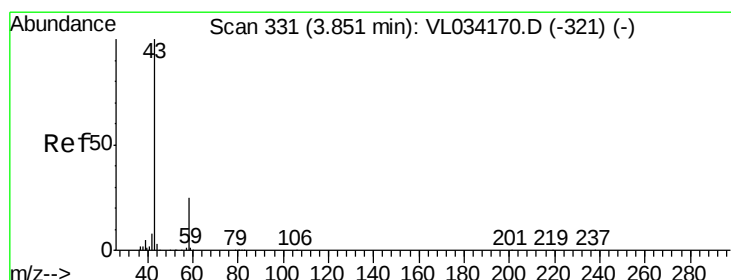
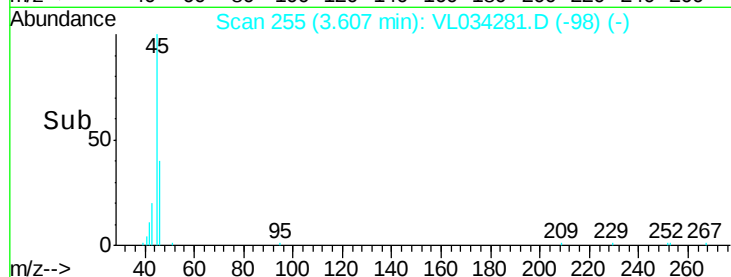
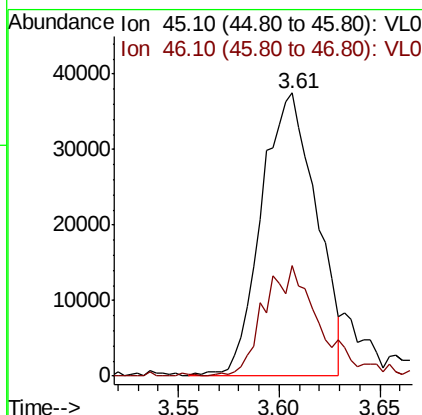
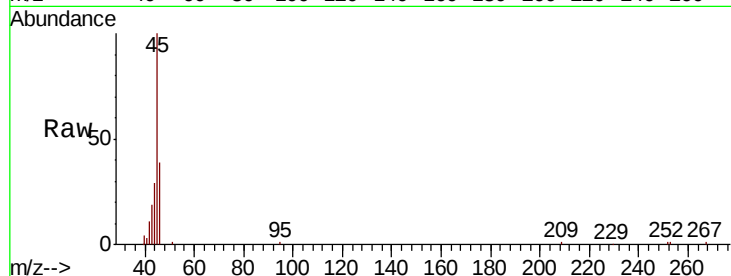
#13
Ethanol
Concen: 5.160 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tot Ion	45	46	Ratio	100	40.7	Resp	71095	Lower	15.5	Upper	61.9
Ion	45	46	Ratio	100	40.7	Resp	71095	Lower	15.5	Upper	61.9

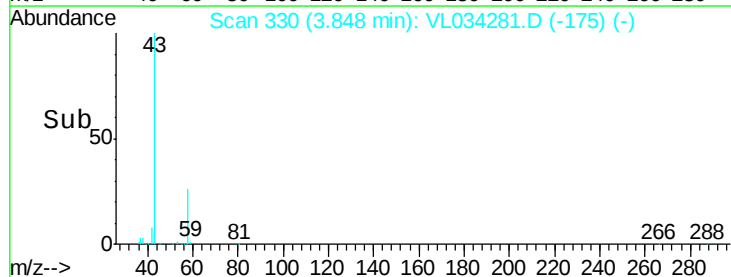
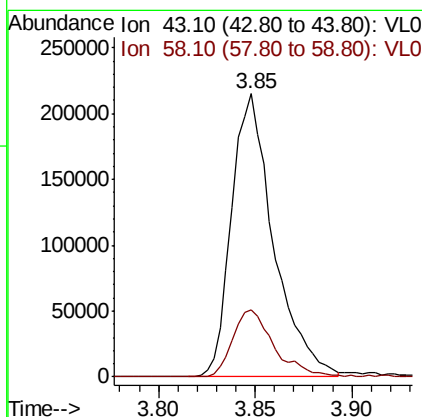
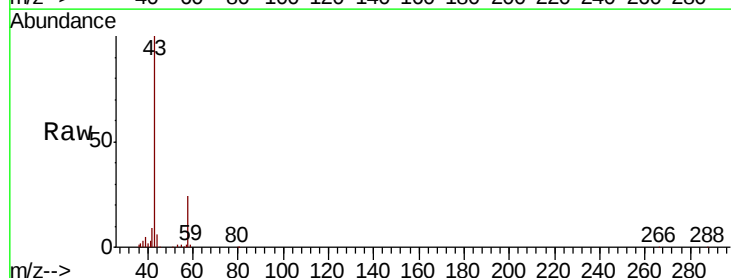
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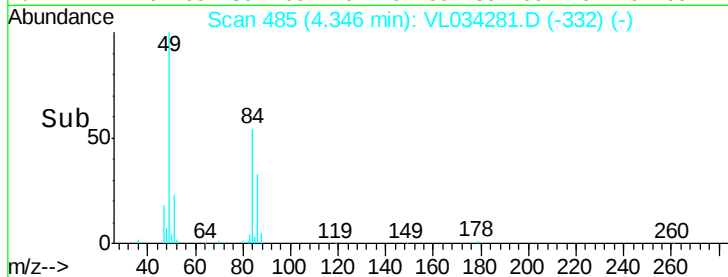
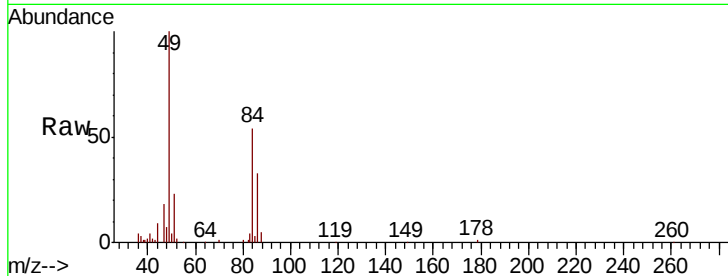
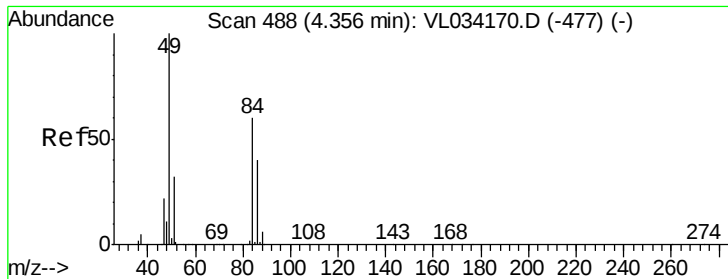
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#15
Acetone
Concen: 2.460 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Tgt Ion	43	58	Ratio	100	23.7	Resp	324302	Lower	20.5	Upper	30.7
Ion	43	58	Ratio	100	23.7	Resp	324302	Lower	20.5	Upper	30.7





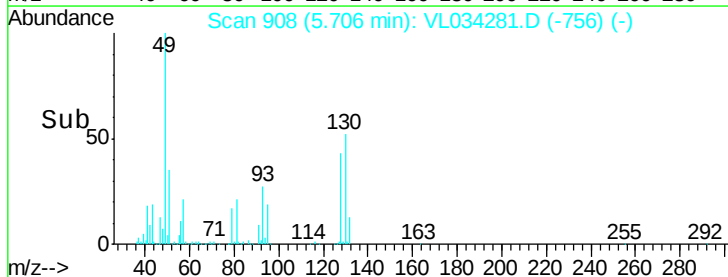
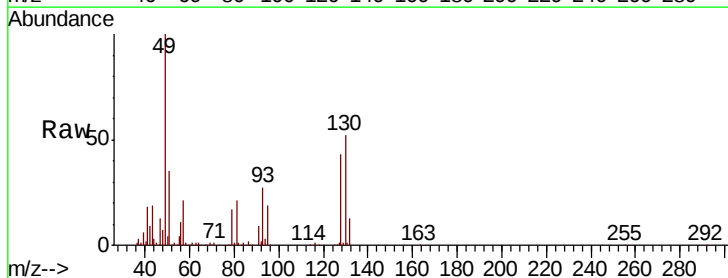
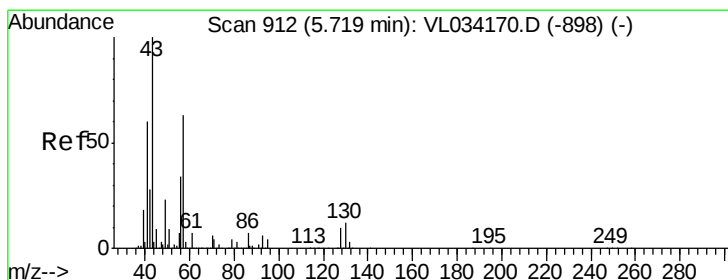
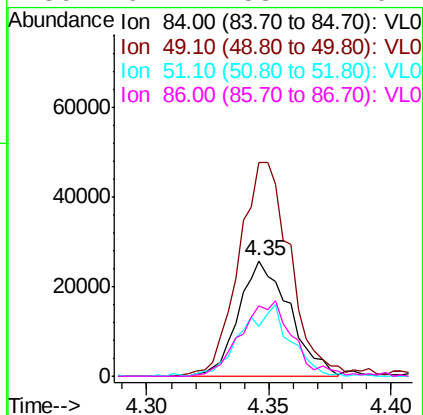
#20
Methvlene Chloride
Concen: 0.985 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Tot Ion:	84	Resp:	37440
Ion	Ratio	Lower	Upper
84	100		
49	182.8	133.8	200.8
51	43.0	43.6	65.4#
86	61.2	53.1	79.7

Instrument :
MSVOA_L
ClientSampleId :
AA-1

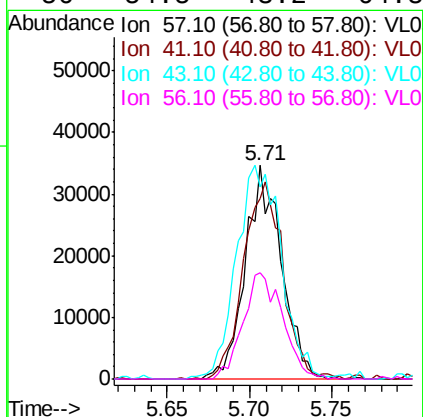
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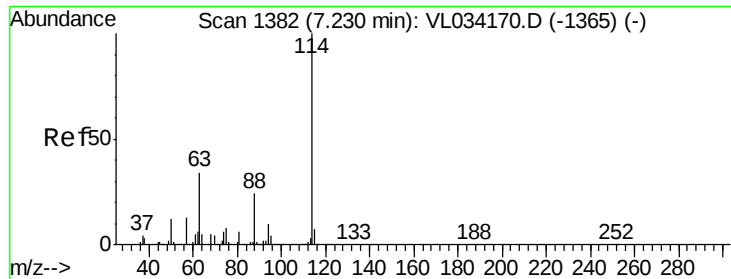
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#26
Hexane
Concen: 0.507 ppbv m
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Tgt Ion:	57	Resp:	52551
Ion	Ratio	Lower	Upper
57	100		
41	0.0	78.5	117.7#
43	126.4	189.5	284.3#
56	54.5	43.2	64.8





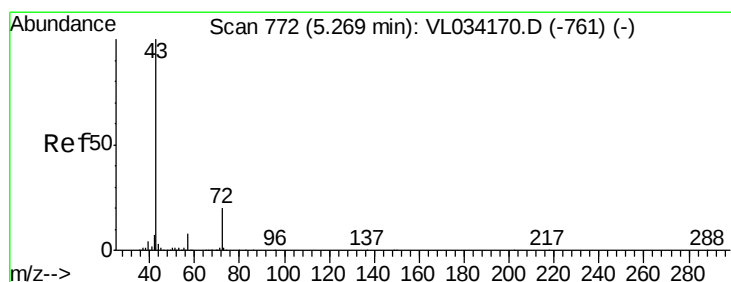
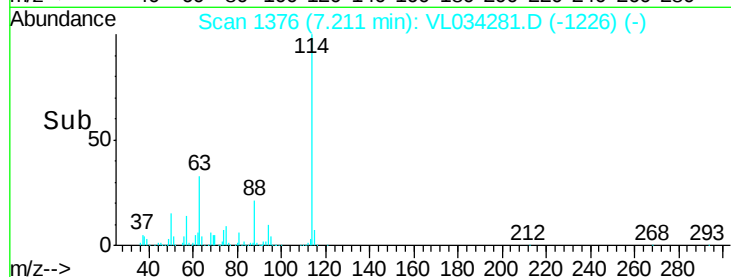
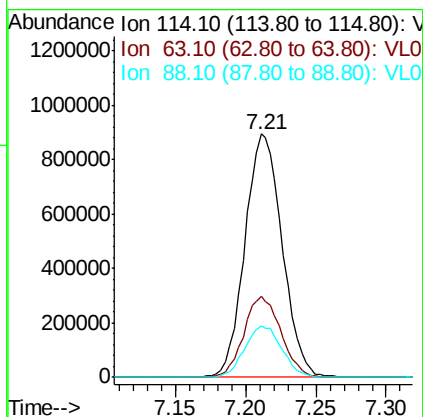
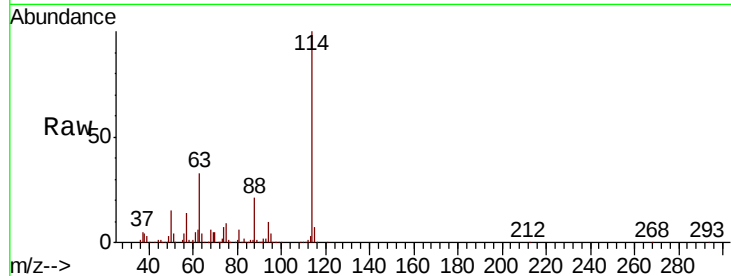
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034281.D
 Acq: 14 Oct 2019 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	33.3	27.8	41.6
88	21.1	17.1	25.7

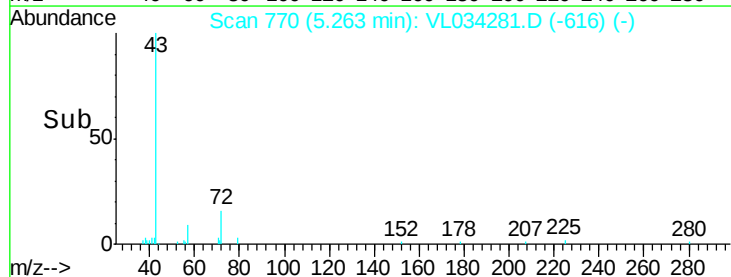
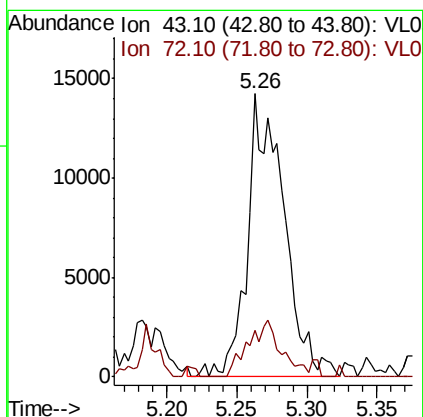
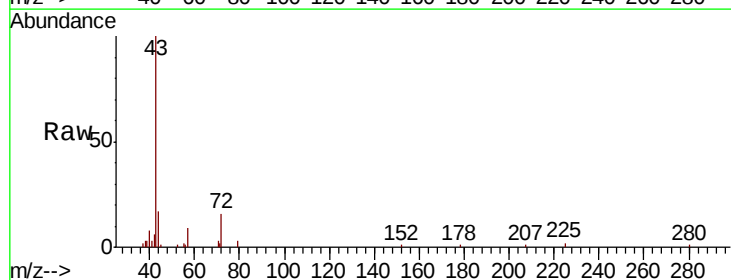
Manual Integrations
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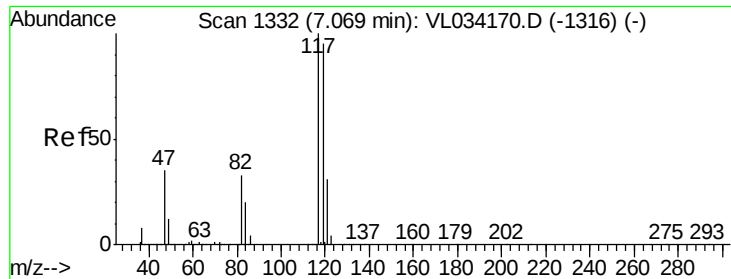
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#34
 2-Butanone
 Concen: 0.152 ppbv m
 RT: 5.26 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VL034281.D
 Acq: 14 Oct 2019 14:39

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





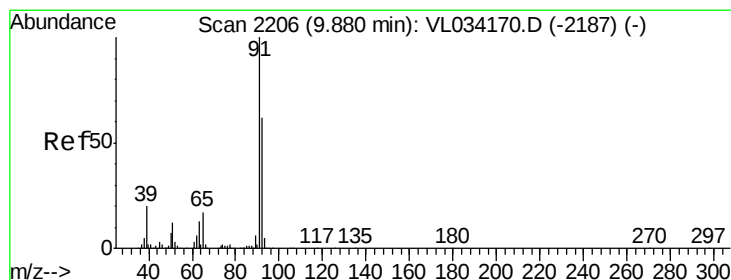
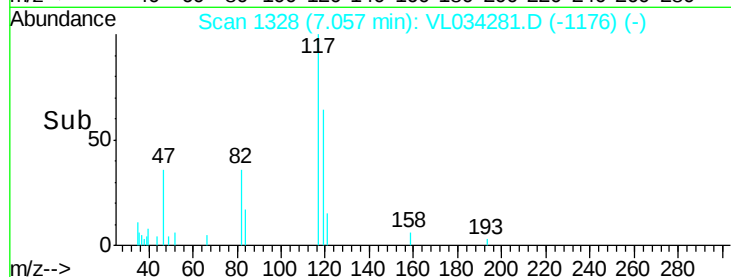
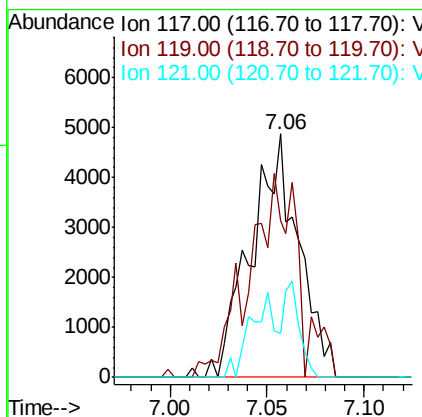
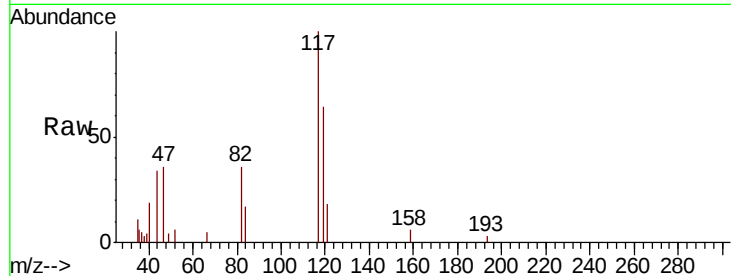
#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 7.06 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Instrument :
MSVOA_L
ClientSampled :
AA-1

Tot Ion	Ratio	Lower	Upper
117	100		
119	64.3	75.8	113.6#
121	18.3	25.0	37.6#

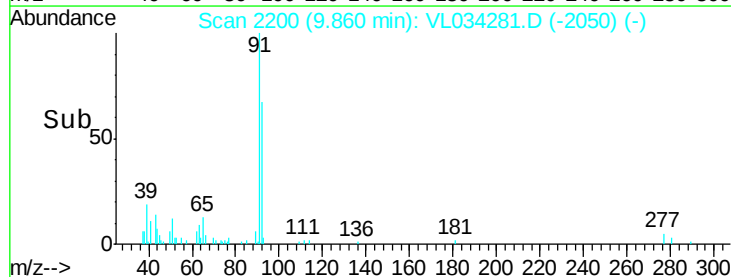
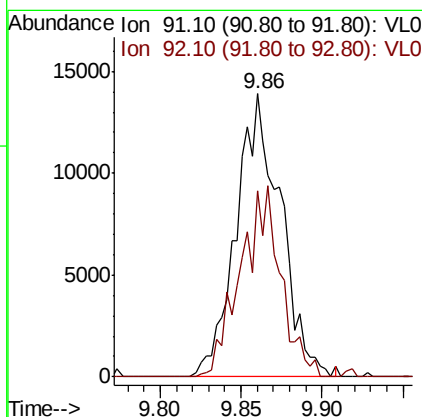
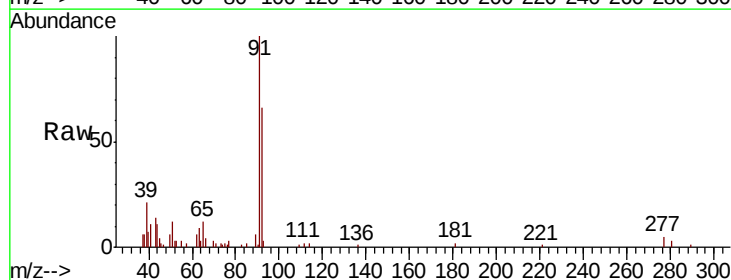
Manual Integrations
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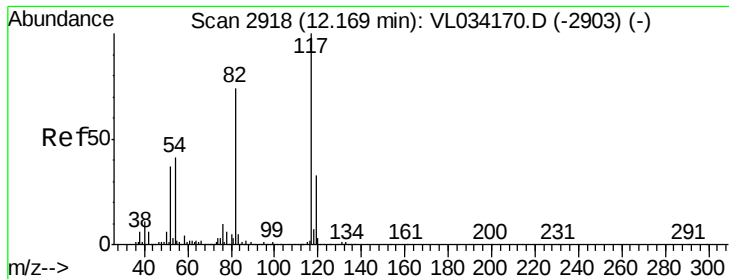
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#53
Toluene
Concen: 0.133 ppbv m
RT: 9.86 min Scan# 2200
Delta R.T. -0.02 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.0	73.6#





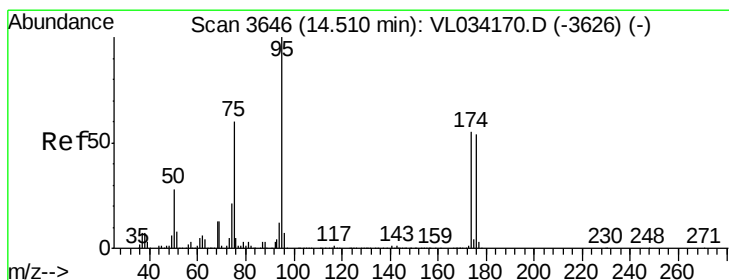
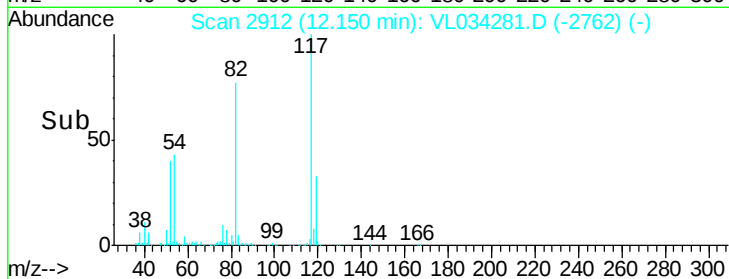
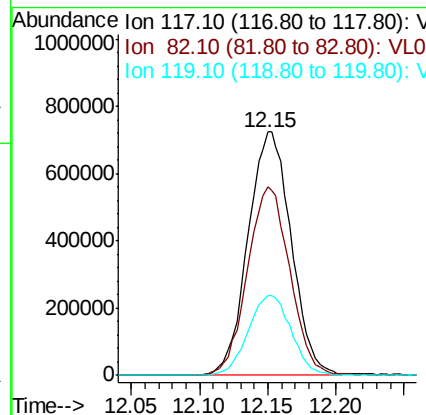
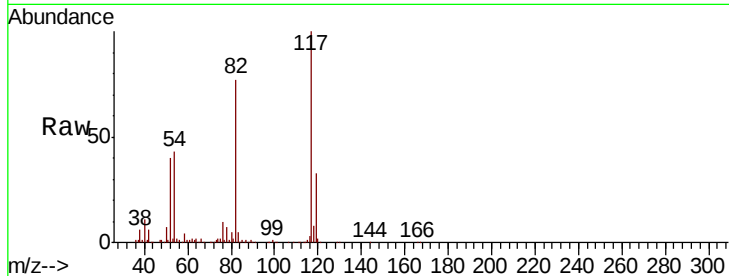
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Instrument :
MSVOA_L
ClientSampled :
AA-1

Tot Ion:117 Resp: 1589103
Ion Ratio Lower Upper
117 100
82 76.4 58.2 87.4
119 32.7 23.7 35.5

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.286 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034281.D
Acq: 14 Oct 2019 14:39

Tgt Ion: 95 Resp: 1420317
Ion Ratio Lower Upper
95 100
174 55.9 45.1 67.7
175 3.9 3.3 4.9

