

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034329.D
 Acq On : 17 Oct 2019 23:20
 Operator : SY/AP
 Sample : K5409-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

Manual Integrations
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Quant Time: Oct 18 05:45:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 05:45:25 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	873460	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1841670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1882742	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1576202	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	168666	3.716	ppbv	94
13) Ethanol	3.62	45	6003m	0.591	ppbv	
15) Acetone	3.84	43	584812	4.681	ppbv	99
26) Hexane	5.71	57	13722	0.153	ppbv #	36
27) Carbon Disulfide	4.56	76	13155m	0.141	ppbv	
34) 2-Butanone	5.28	43	29221m	0.194	ppbv	
36) Benzene	6.92	78	23458m	0.133	ppbv	
38) Trichloroethene	7.88	130	6908m	0.097	ppbv	
52) Tetrachloroethene	11.29	164	2608361	37.659	ppbv	95
53) Toluene	9.86	91	57173m	0.293	ppbv	
59) m/p-Xylene	13.03	91	47357m	0.208	ppbv	

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

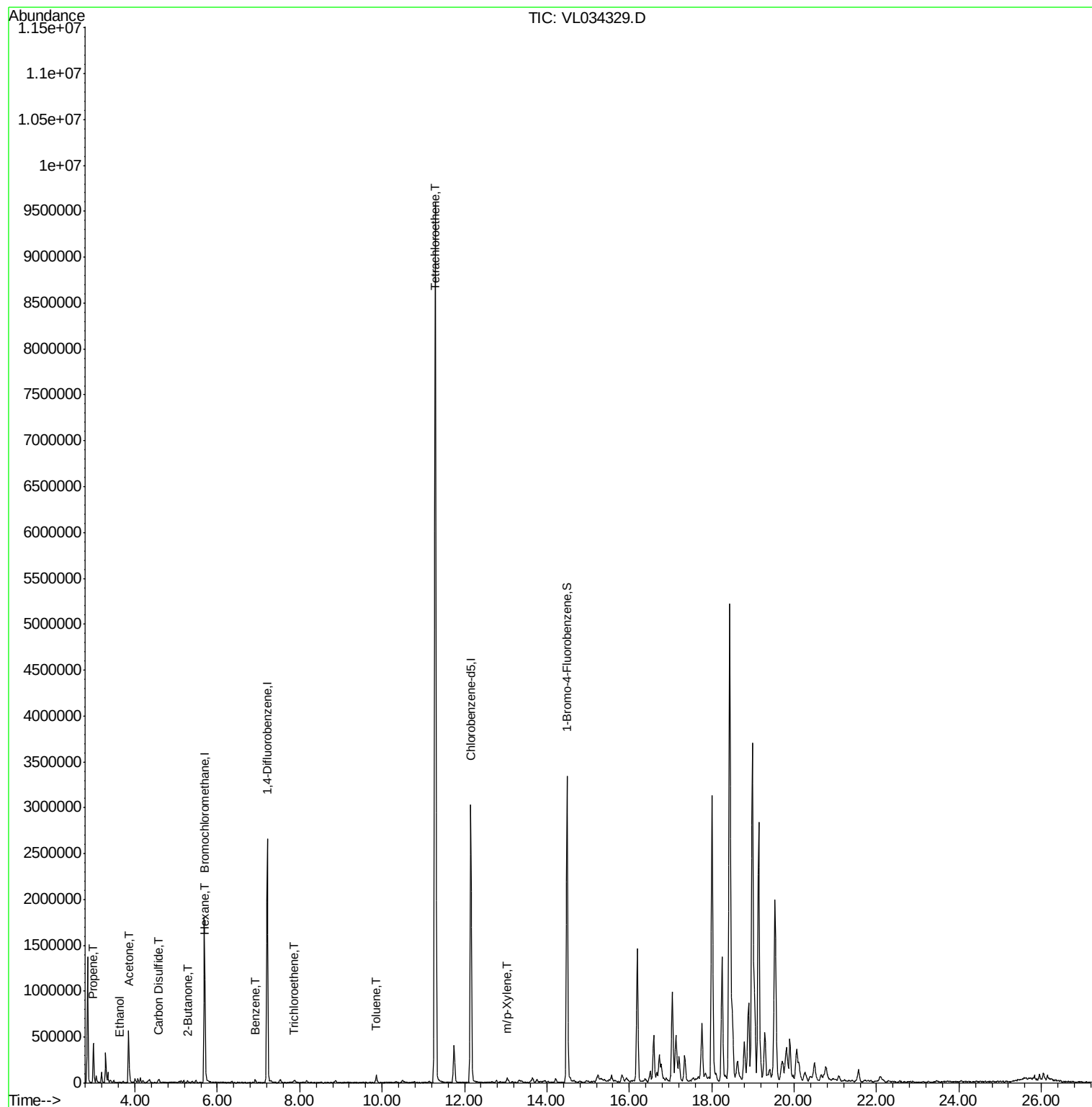
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101719\
Data File : VL034329.D
Acq On : 17 Oct 2019 23:20
Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

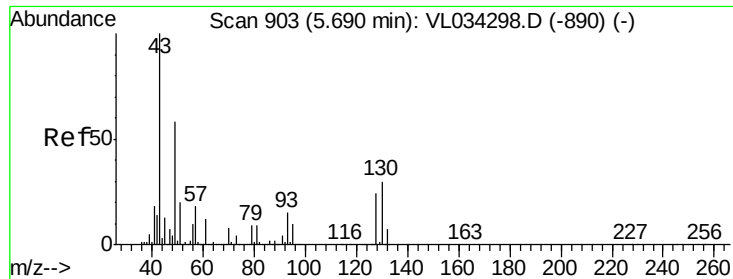
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

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Quant Time: Oct 18 05:45:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





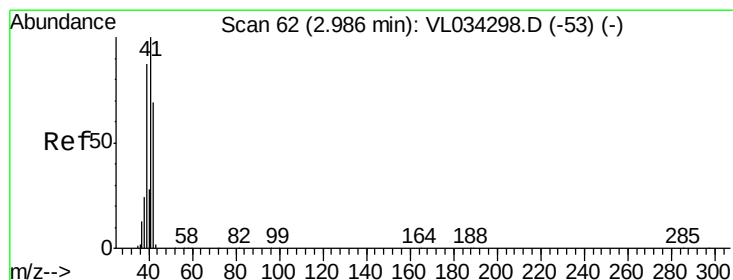
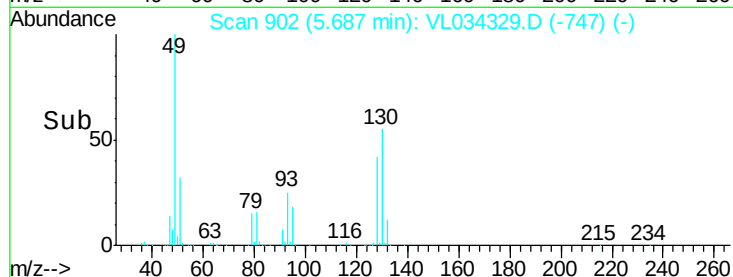
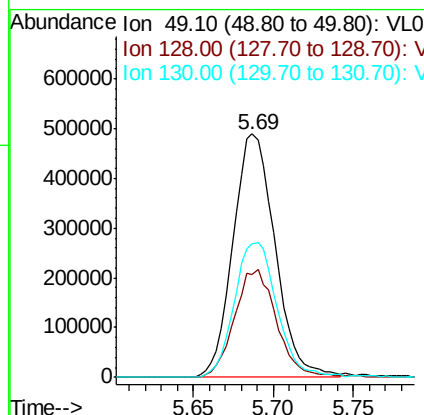
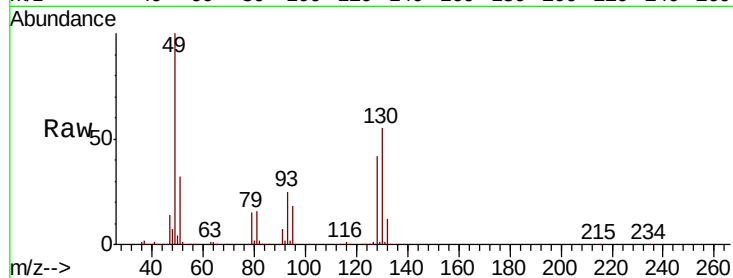
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VL034329.D
 Acq: 17 Oct 2019 23:20

Instrument :
 MSVOA_L
 ClientSampled :
 SV2DL2

Tot Ion	Ratio	Lower	Upper
49	100		
128	44.8	20.6	61.8
130	57.0	26.2	78.5

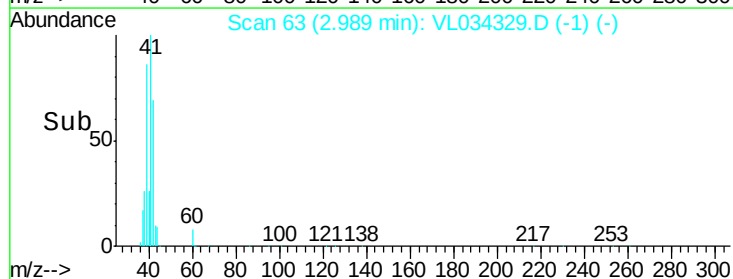
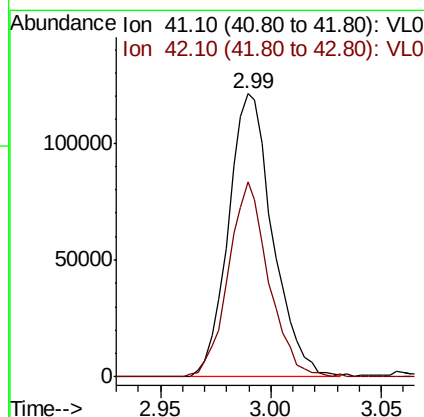
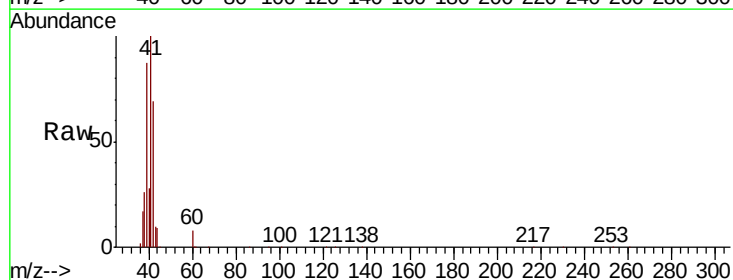
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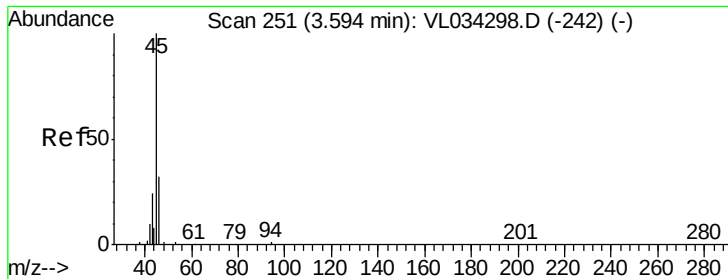
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#9
 Propene
 Concen: 3.716 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL034329.D
 Acq: 17 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
41	100		
42	62.8	53.9	80.9





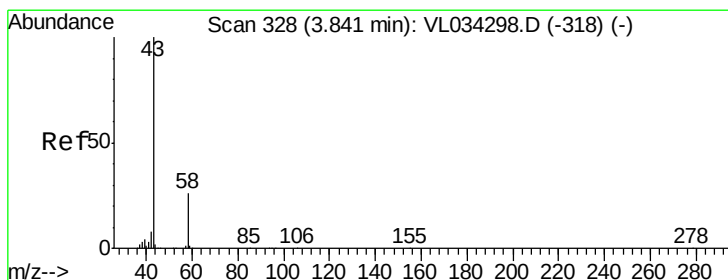
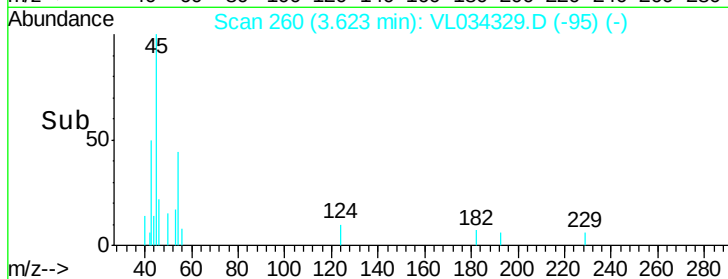
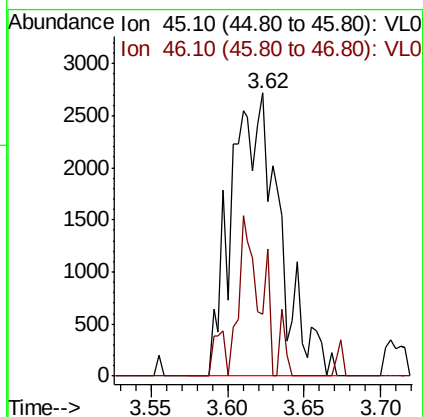
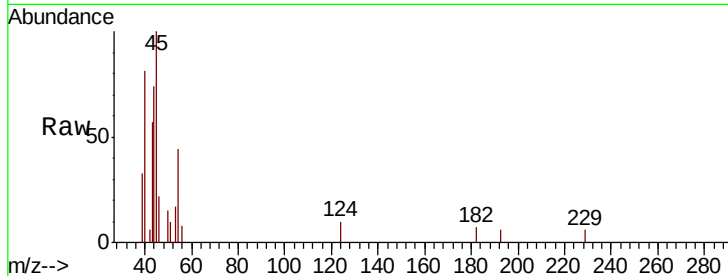
#13
Ethanol
Concen: 0.591 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.03 min
Lab File: VL034329.D
Acq: 17 Oct 2019 23:20

Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

Tot Ion: 45 Resp: 6003
Ion Ratio Lower Upper
45 100
46 30.5 15.8 63.2

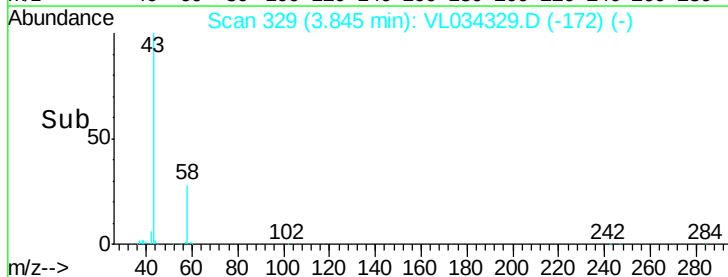
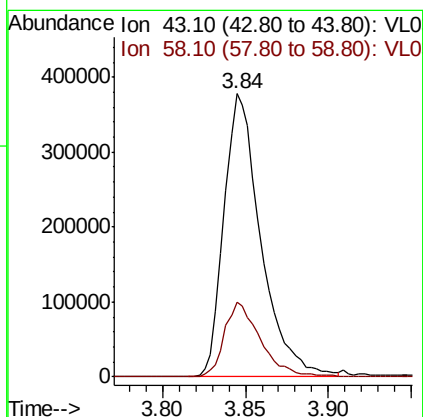
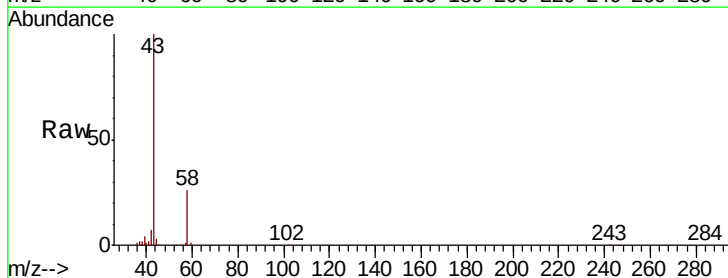
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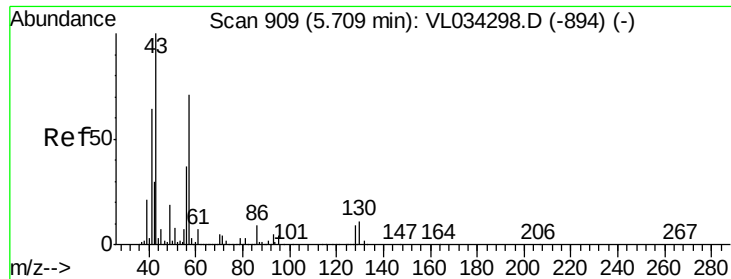
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#15
Acetone
Concen: 4.681 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL034329.D
Acq: 17 Oct 2019 23:20

Tgt Ion: 43 Resp: 584812
Ion Ratio Lower Upper
43 100
58 26.2 20.4 30.6





#26

Hexane

Concen: 0.153 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL034329.D

Acq: 17 Oct 2019 23:20

Instrument :

MSVOA_L

ClientSampled :

SV2DL2

Tot Ion: 57 Resp: 13722

Ion Ratio Lower Upper

57 100

41 122.1 76.5 114.7#

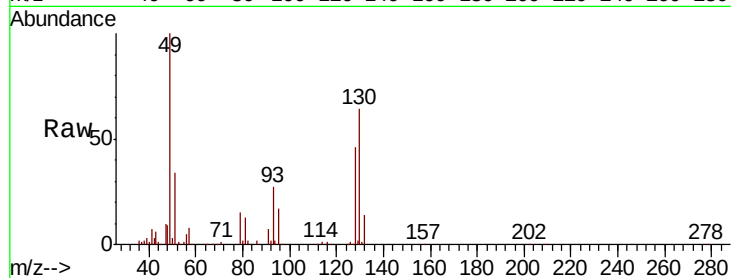
43 81.5 188.5 282.7#

56 57.8 42.8 64.2

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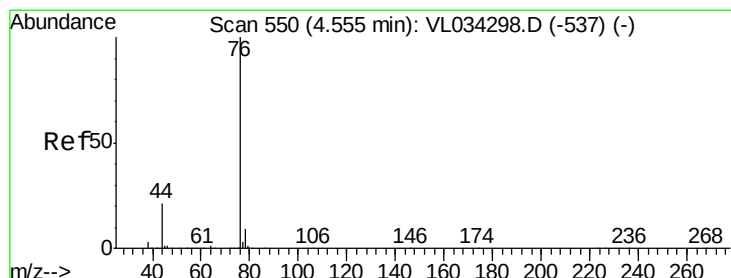
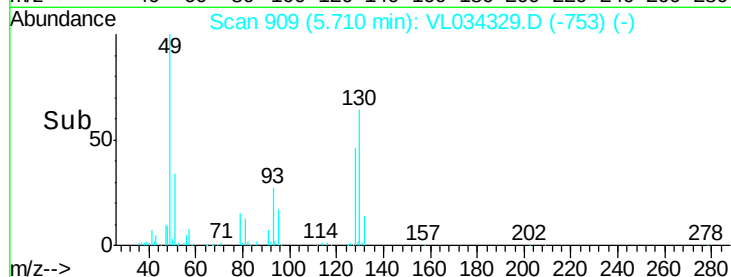
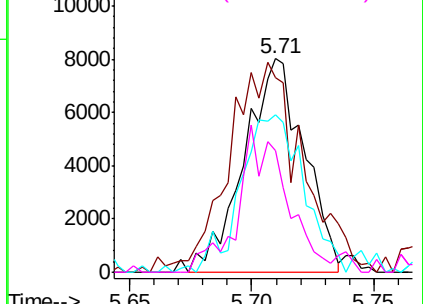


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.141 ppbv m

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL034329.D

Acq: 17 Oct 2019 23:20

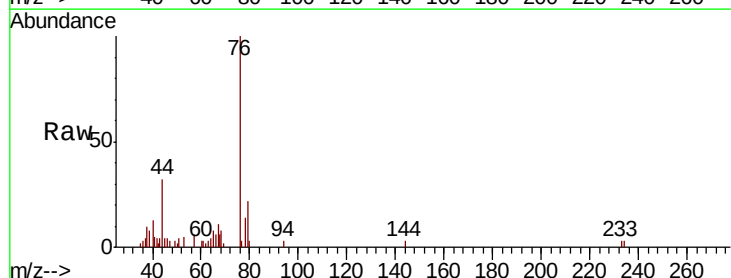
Tgt Ion: 76 Resp: 13155

Ion Ratio Lower Upper

76 100

44 61.0 17.3 25.9#

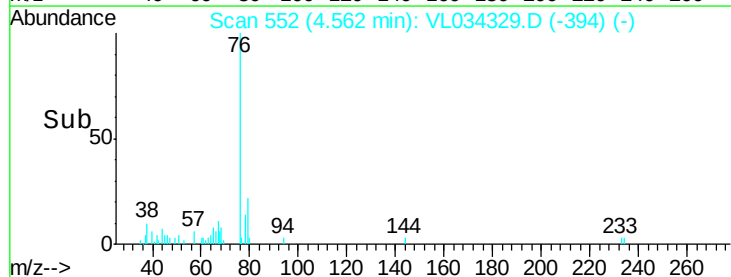
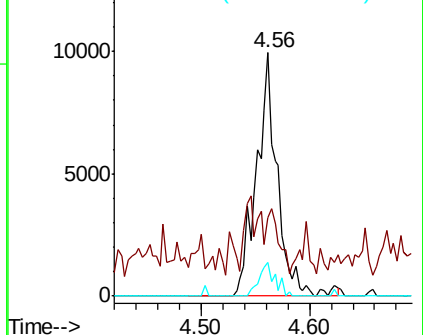
78 0.0 7.8 11.6#

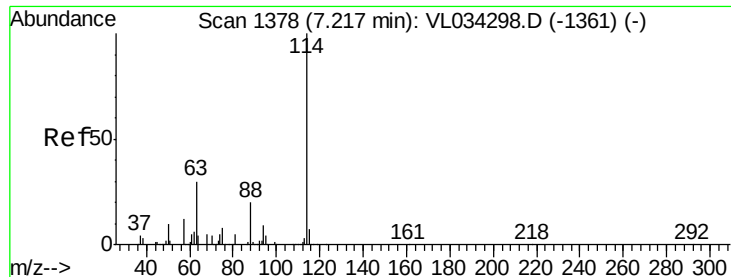


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





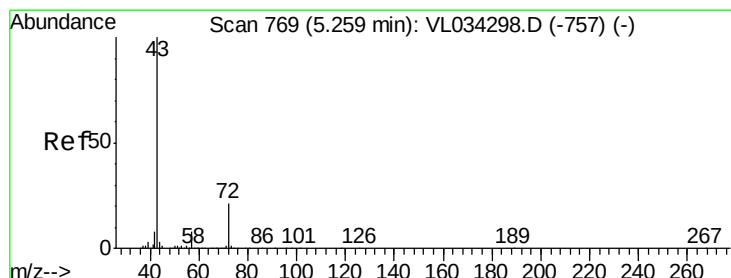
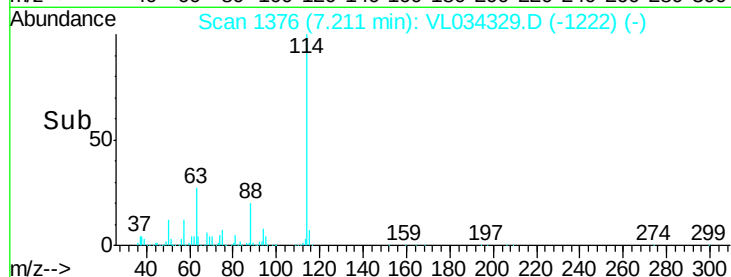
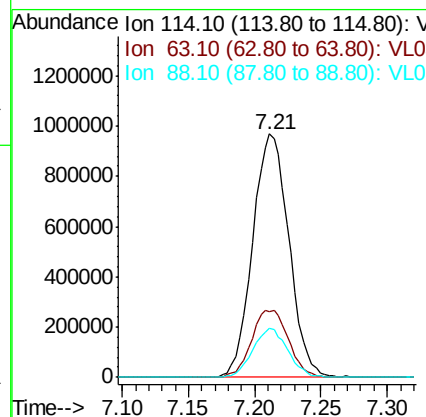
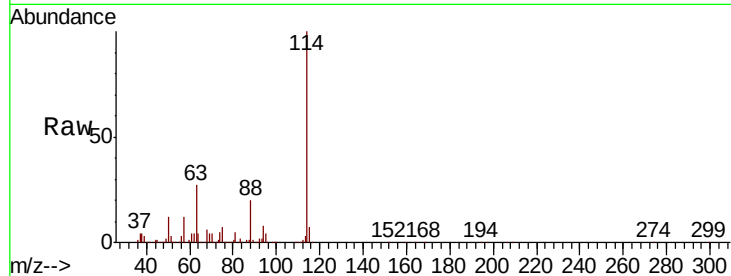
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034329.D
 Acq: 17 Oct 2019 23:20

Instrument :
 MSVOA_L
 ClientSampled :
 SV2DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	25.2	37.8
88	19.6	16.0	24.0

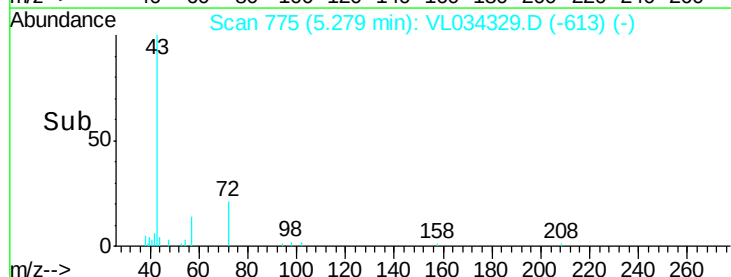
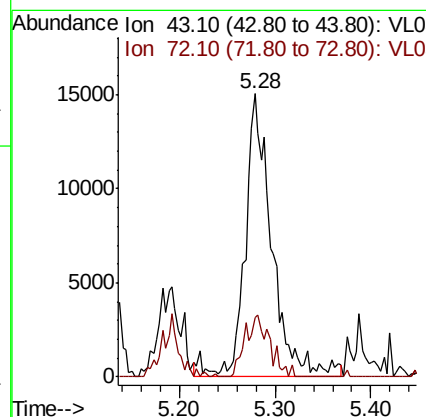
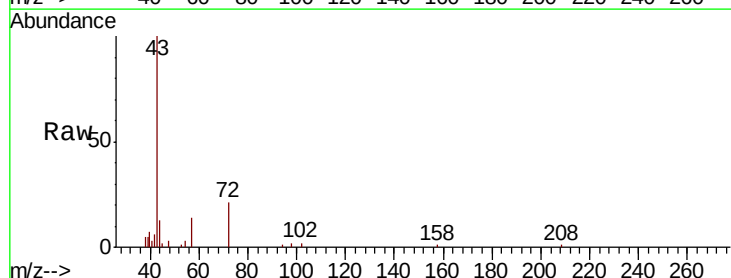
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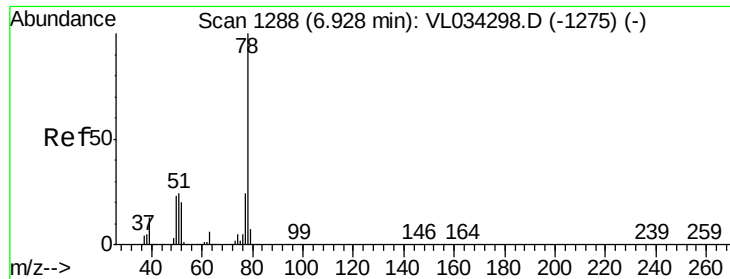
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#34
 2-Butanone
 Concen: 0.194 ppbv m
 RT: 5.28 min Scan# 775
 Delta R.T. 0.02 min
 Lab File: VL034329.D
 Acq: 17 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.3	24.5#





#36

Benzene

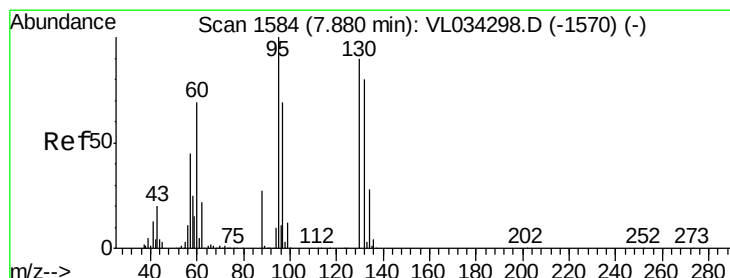
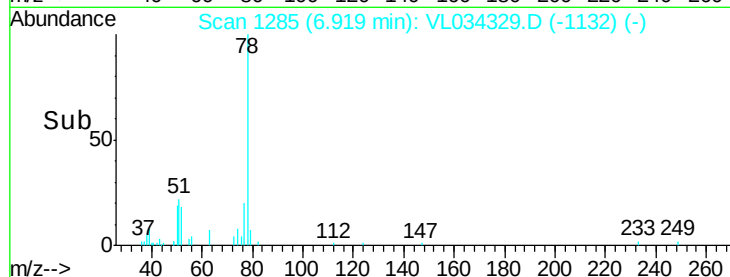
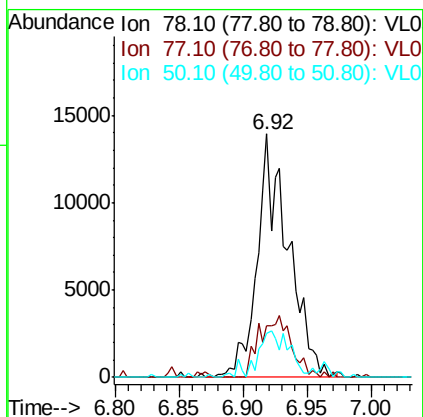
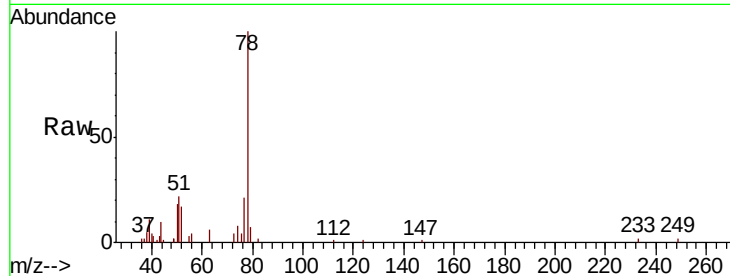
Concen: 0.133 ppbv m
RT: 6.92 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL034329.D
Acq: 17 Oct 2019 23:20

Instrument :
MSVOA_L
ClientSampled :
SV2DL2

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.0	19.0	28.4
50	18.2	18.6	27.8#

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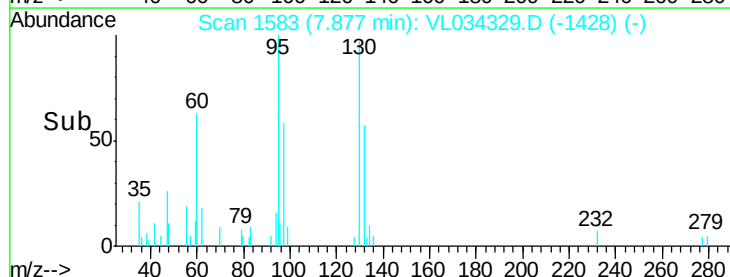
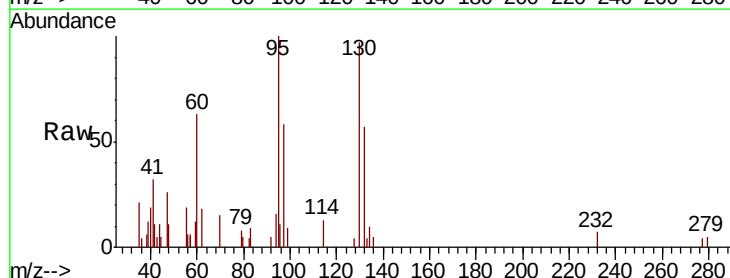
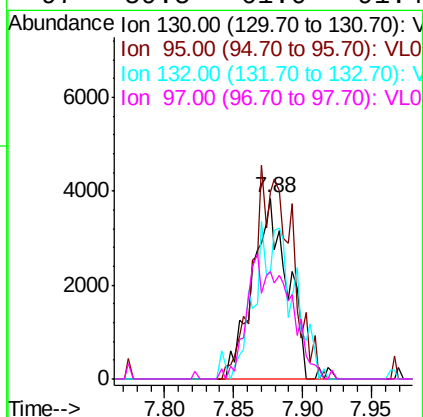


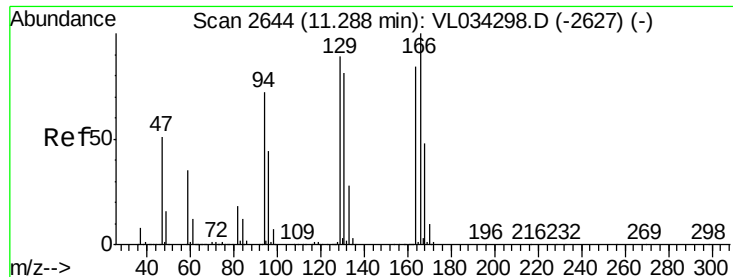
#38

Trichloroethene

Concen: 0.097 ppbv m
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL034329.D
Acq: 17 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	88.6	132.8
132	59.2	71.2	106.8#
97	59.5	61.0	91.4#





#52

Tetrachloroethene

Concen: 37.659 ppbv

RT: 11.29 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VL034329.D

Acq: 17 Oct 2019 23:20

Instrument :

MSVOA_L

ClientSampled :

SV2DL2

Tot Ion:164 Resp: 2608361

Ion Ratio Lower Upper

164 100

166 125.9 95.3 142.9

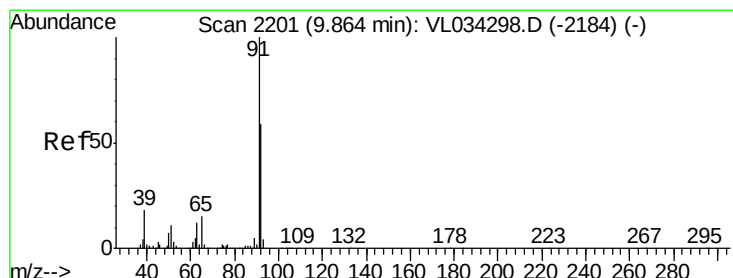
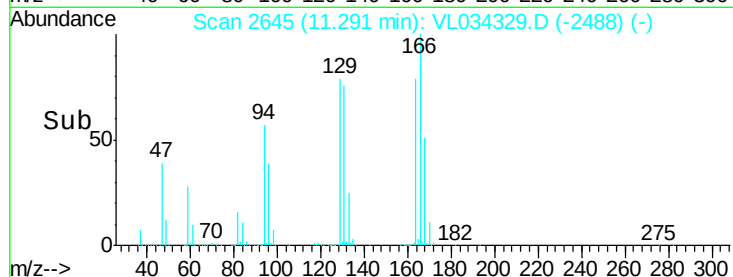
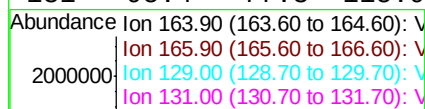
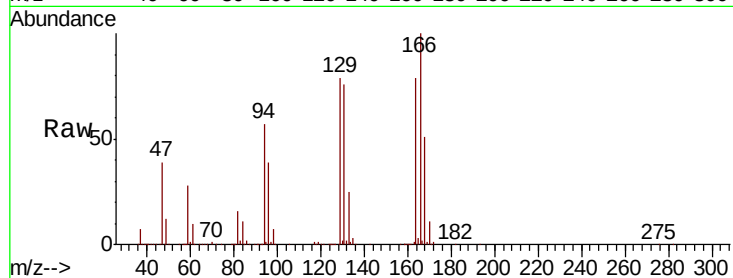
129 99.2 84.5 126.7

131 95.4 77.3 115.9

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#53

Toluene

Concen: 0.293 ppbv m

RT: 9.86 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VL034329.D

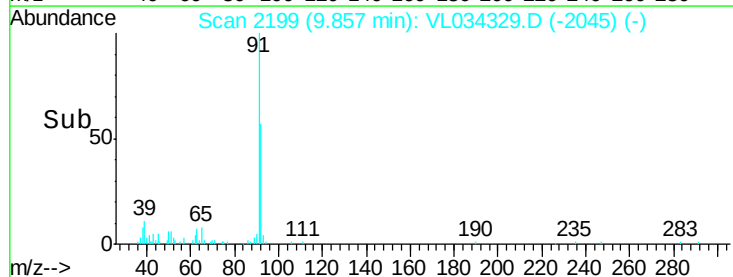
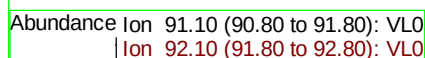
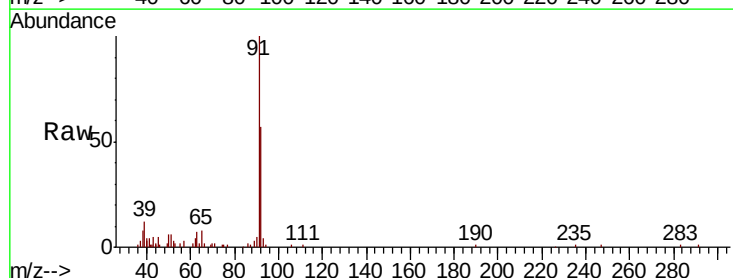
Acq: 17 Oct 2019 23:20

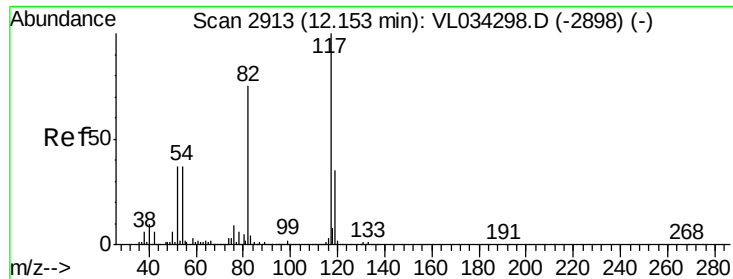
Tgt Ion: 91 Resp: 57173

Ion Ratio Lower Upper

91 100

92 55.5 48.4 72.6





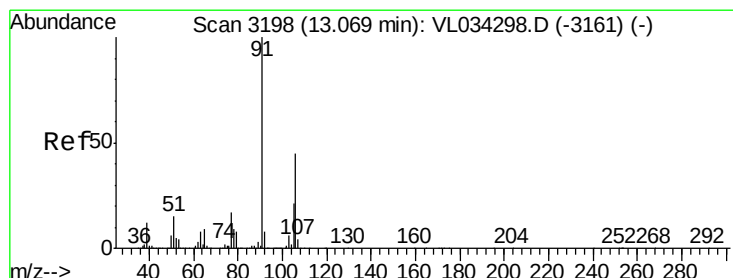
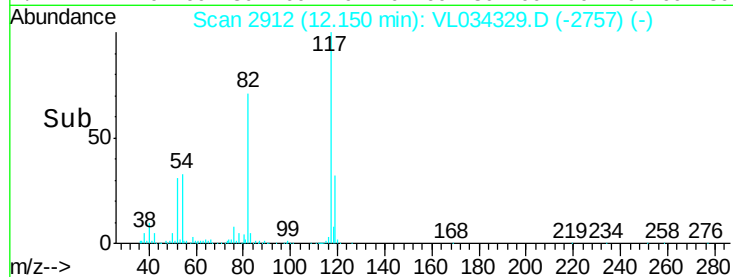
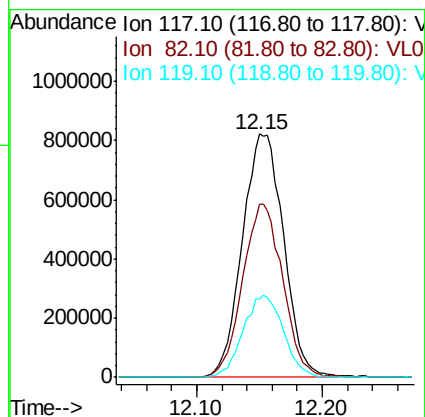
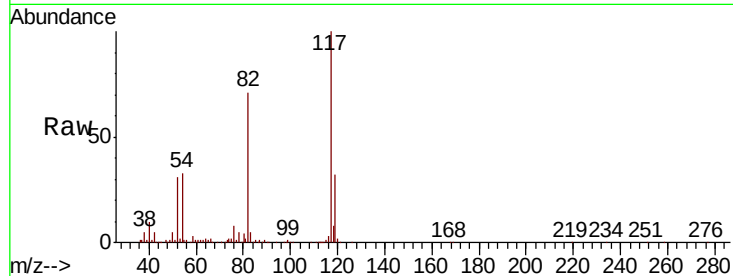
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034329.D
Acq: 17 Oct 2019 23:20

Instrument :
MSVOA_L
ClientSampled :
SV2DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.6	55.5	83.3
119	33.0	26.5	39.7

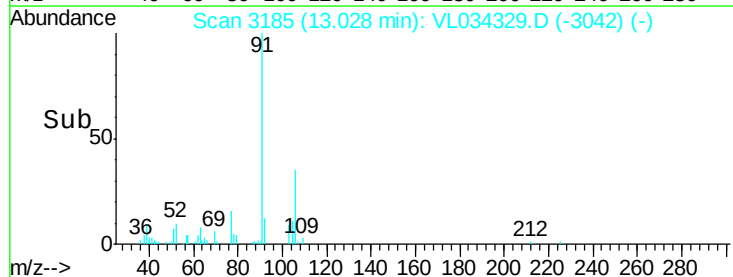
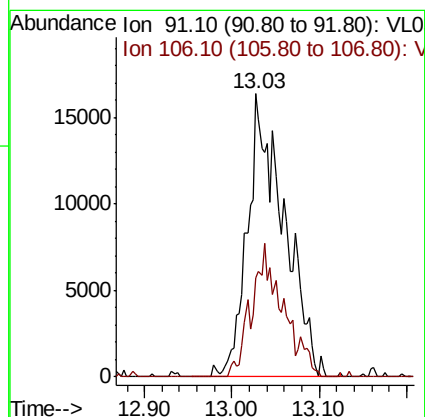
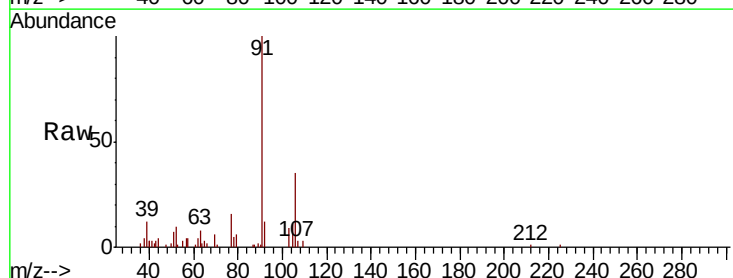
Manual Integrations
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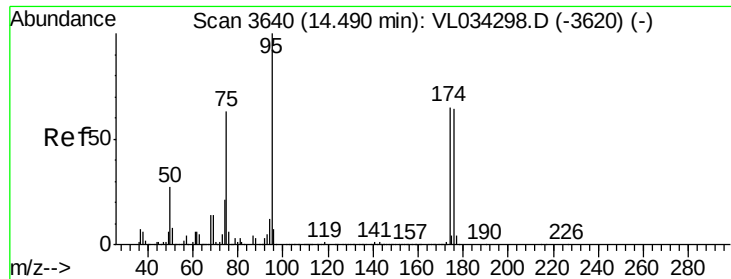
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#59
m/p-Xylene
Concen: 0.208 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.04 min
Lab File: VL034329.D
Acq: 17 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#





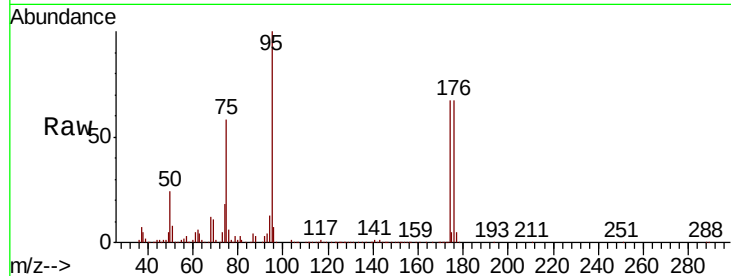
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.885 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VL034329.D
 Acq: 17 Oct 2019 23:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	69.1	52.6	78.8
175	5.1	3.8	5.6

Manual Integrations
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Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

