

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032812.D
 Acq On : 27 Nov 2018 18:13
 Operator : SY/AP
 Sample : J6046-05
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-OA-01

Manual Integrations
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 11/28/2018 4:21:25 PM

Quant Time: Nov 28 03:41:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1318707	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3403685	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3054860	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2270965	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	53183	0.28	ppbv	99
3) Chlorodifluoromethane	3.02	51	39985m	0.38	ppbv	
4) Chloromethane	3.18	50	27299	0.47	ppbv #	79
9) Propene	3.06	41	51680m	1.24	ppbv	
11) Trichlorofluoromethane	4.02	101	45669	0.26	ppbv	95
13) Ethanol	3.69	45	554629	40.47	ppbv	99
15) Acetone	3.91	43	424926	3.53	ppbv	95
20) Methylene Chloride	4.42	84	1129340	18.11	ppbv	99
26) Hexane	5.79	57	1275587	10.21	ppbv #	44
34) 2-Butanone	5.35	43	40034	0.23	ppbv	96
35) Carbon Tetrachloride	7.14	117	19869m	0.07	ppbv	
36) Benzene	7.01	78	77848	0.29	ppbv	98
53) Toluene	9.96	91	151619	0.54	ppbv	98
59) m/p-Xylene	13.15	91	45589m	0.14	ppbv	

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

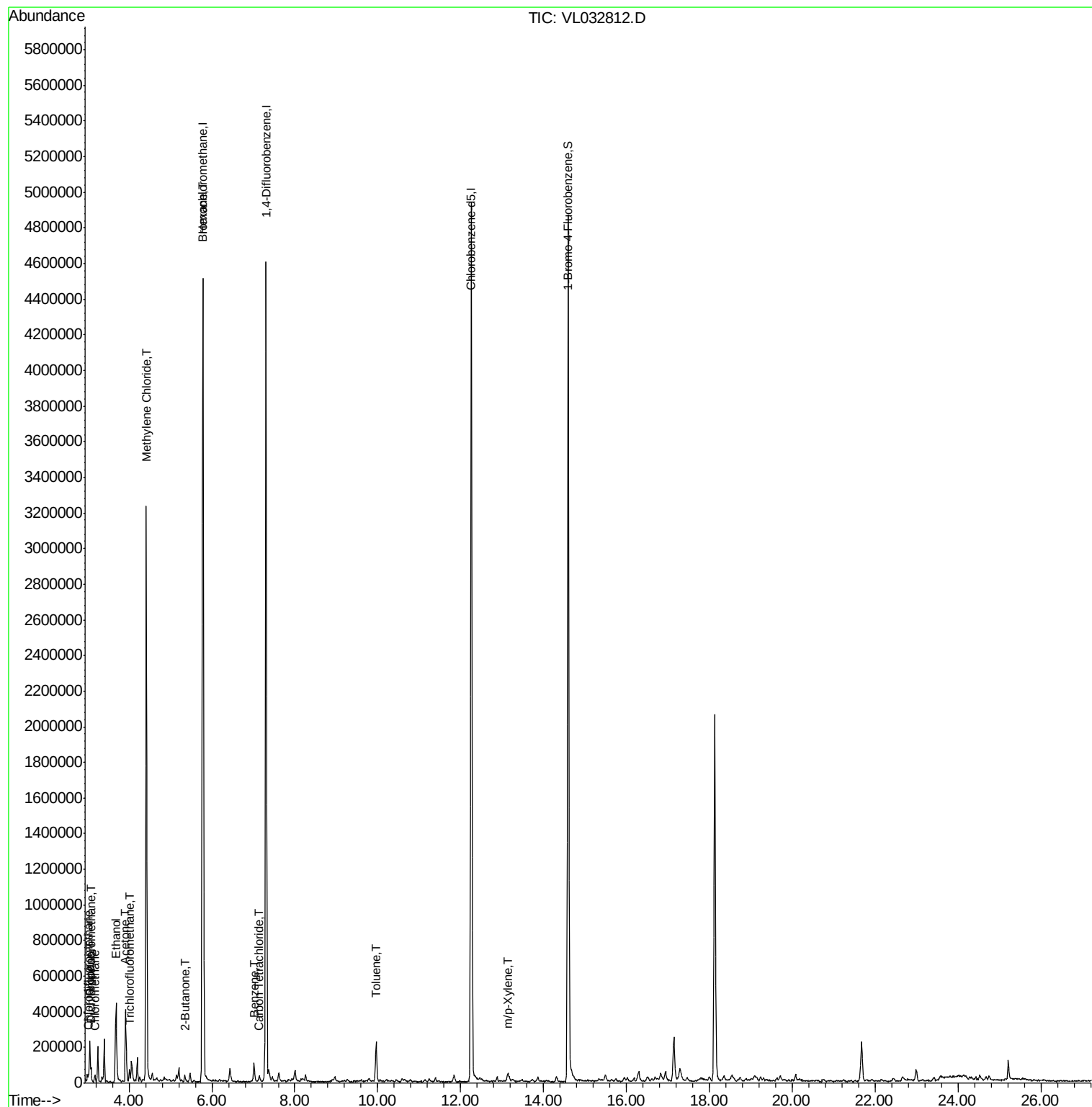
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

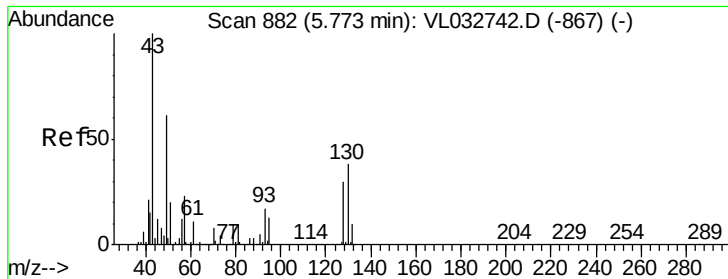
Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01

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Quant Time: Nov 28 03:41:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032812.D

Acq: 27 Nov 2018 18:13

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01

Tgt Ion: 49 Resp: 1318707

Ion Ratio Lower Upper

49 100

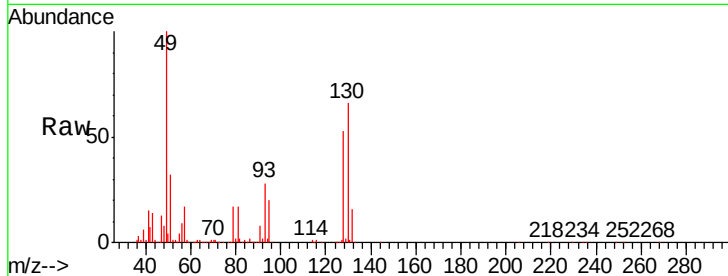
128 53.0 24.9 74.6

130 67.7 31.4 94.2

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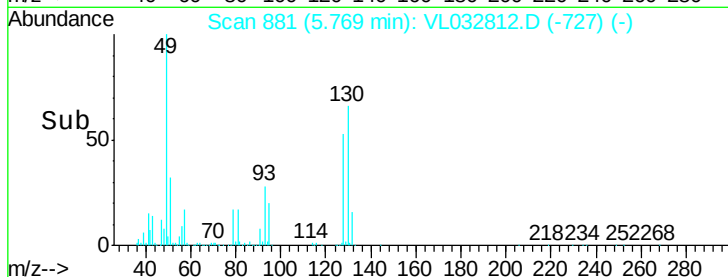


Abundance Ion 49.10 (48.80 to 49.80): VL0

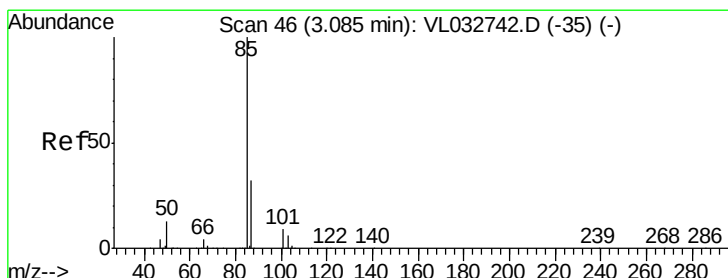
Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 0.28 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032812.D

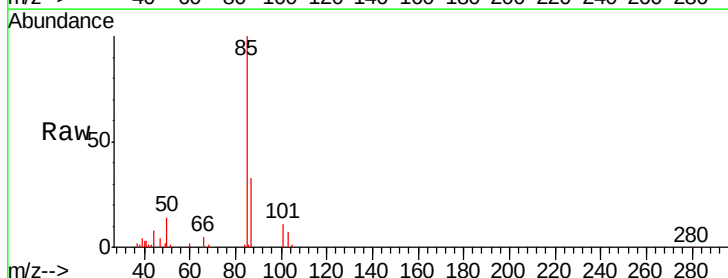
Acq: 27 Nov 2018 18:13

Tgt Ion: 85 Resp: 53183

Ion Ratio Lower Upper

85 100

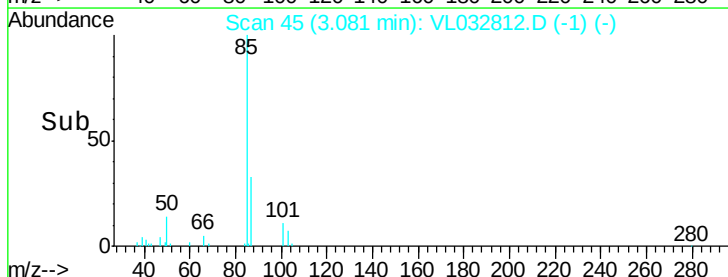
87 33.1 26.0 39.0



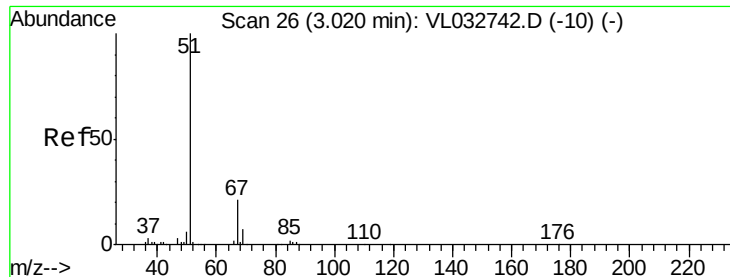
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.38 ppbv m

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032812.D

Acq: 27 Nov 2018 18:13

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01

Tgt Ion: 51 Resp: 39985

Ion Ratio Lower Upper

51 100

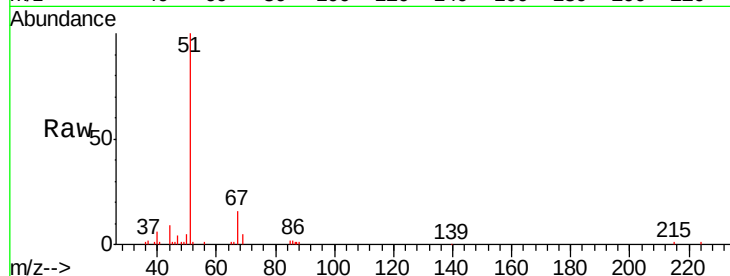
67 20.1 16.1 24.1

Manual Integrations

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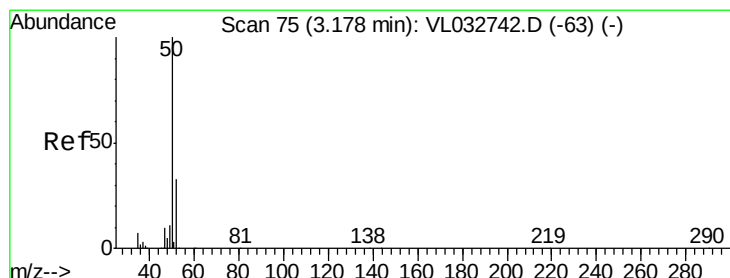
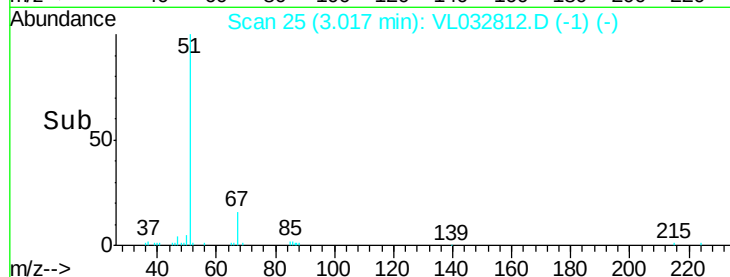
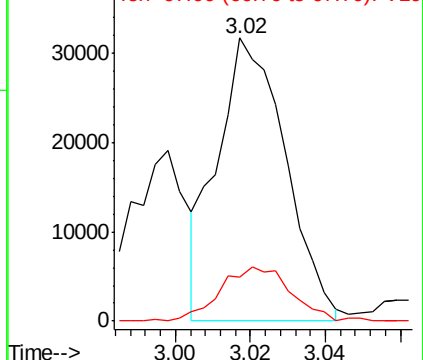
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.47 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032812.D

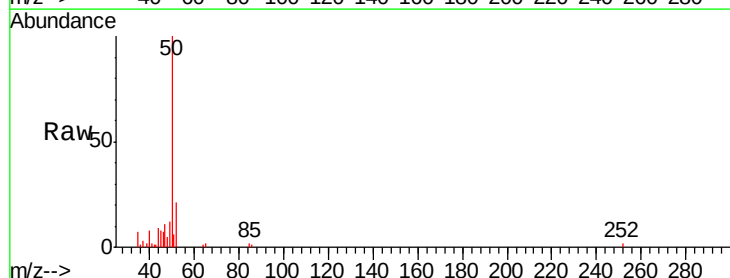
Acq: 27 Nov 2018 18:13

Tgt Ion: 50 Resp: 27299

Ion Ratio Lower Upper

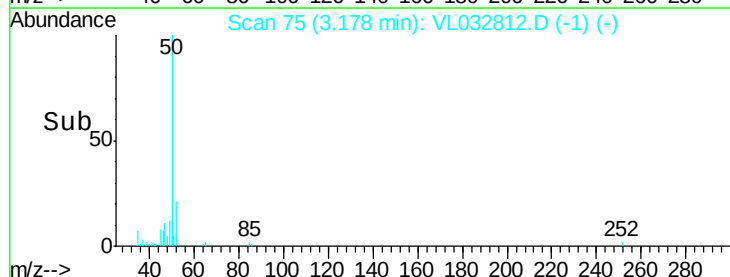
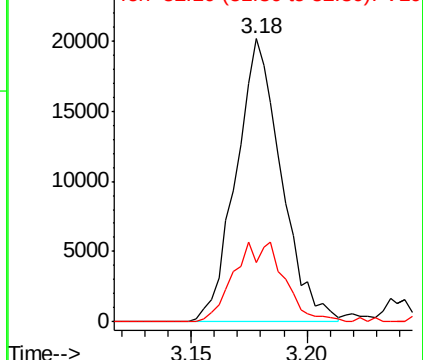
50 100

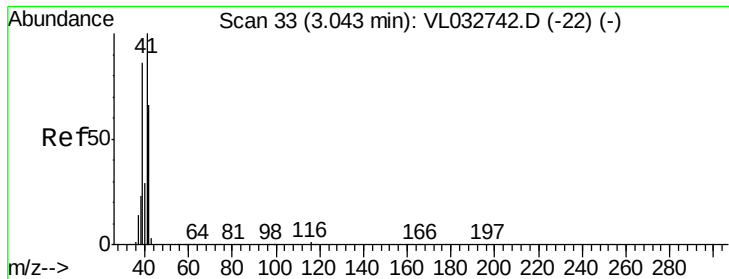
52 21.3 26.6 40.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.24 ppbv m

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL032812.D

Acq: 27 Nov 2018 18:13

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01

Tgt Ion: 41 Resp: 51680

Ion Ratio Lower Upper

41 100

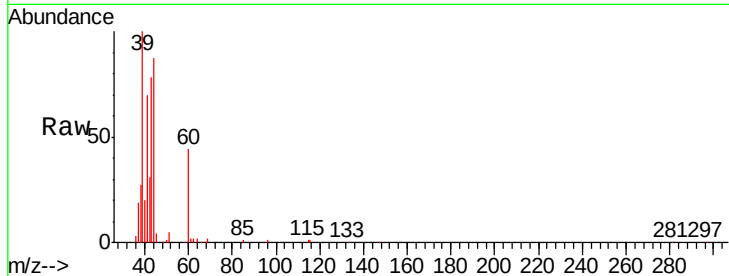
42 64.3 55.0 82.6

Manual Integrations

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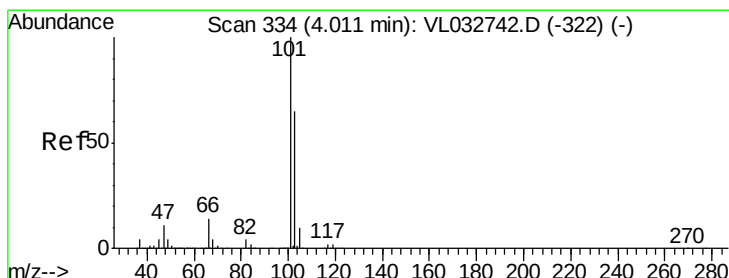
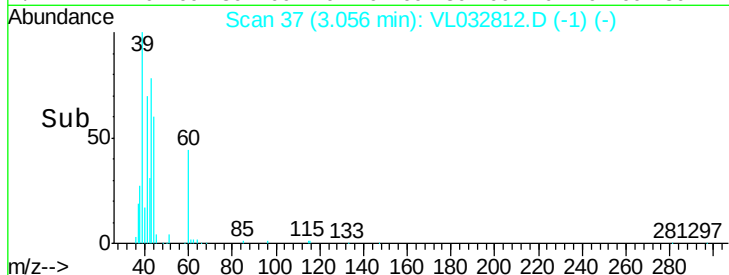
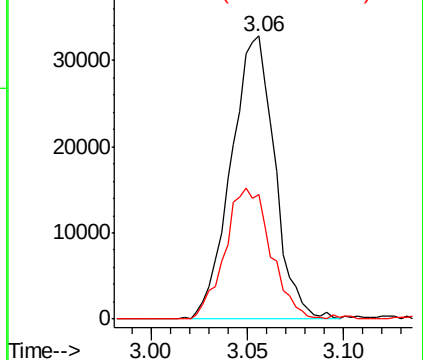
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.26 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL032812.D

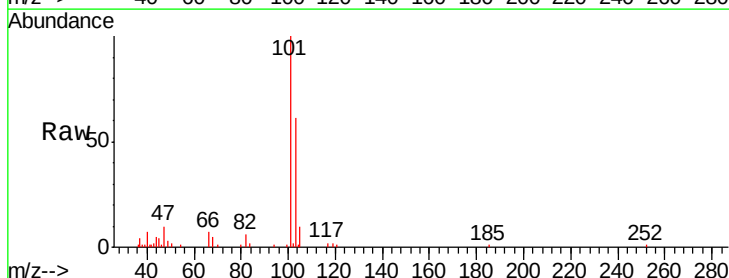
Acq: 27 Nov 2018 18:13

Tgt Ion: 101 Resp: 45669

Ion Ratio Lower Upper

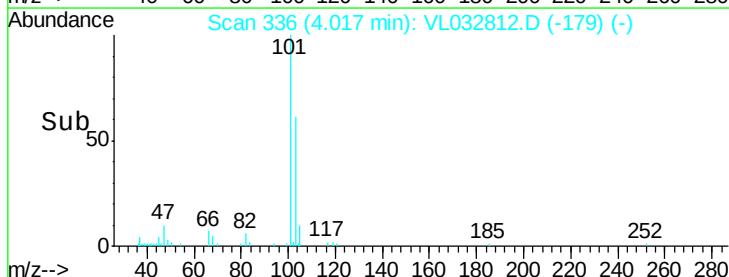
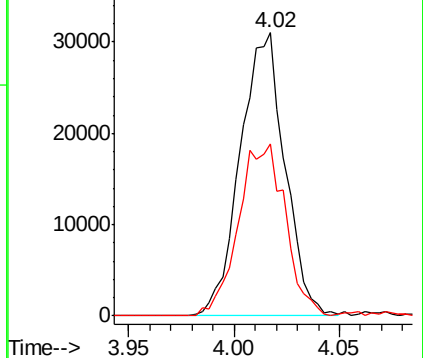
101 100

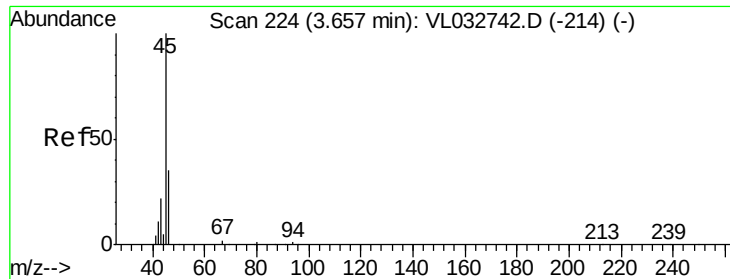
103 60.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





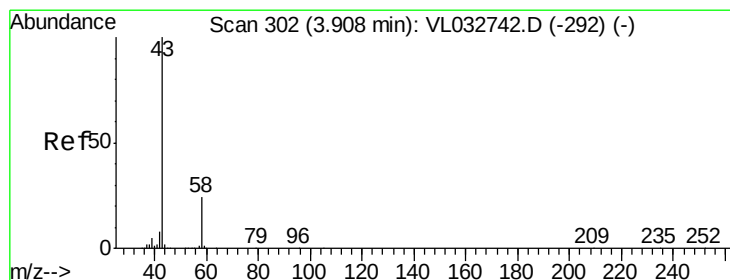
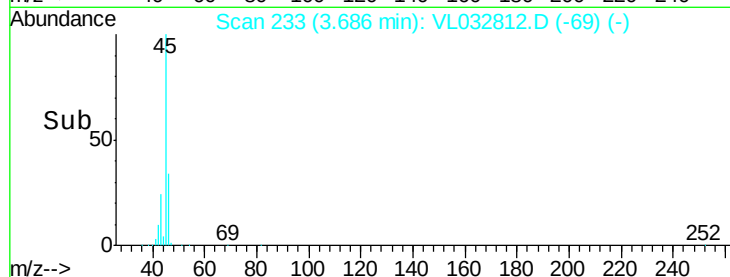
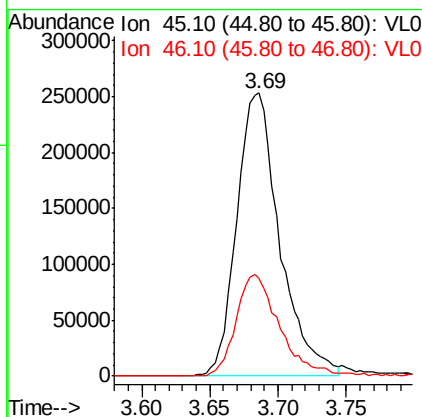
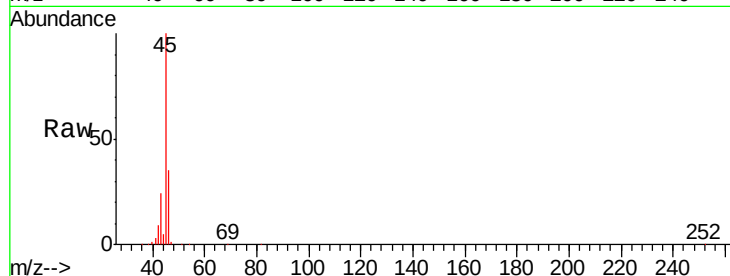
#13
Ethanol
Concen: 40.47 ppbv
RT: 3.69 min Scan# 233
Delta R.T. 0.03 min
Lab File: VL032812.D
Acq: 27 Nov 2018 18:13

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.5	57.9

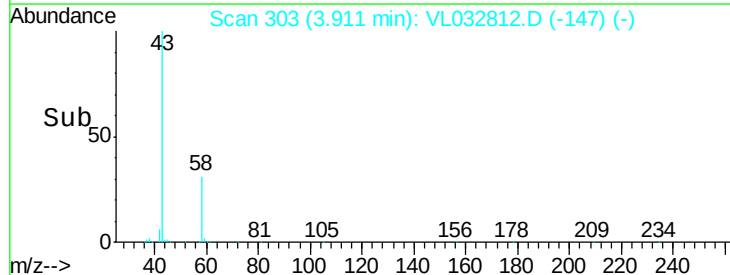
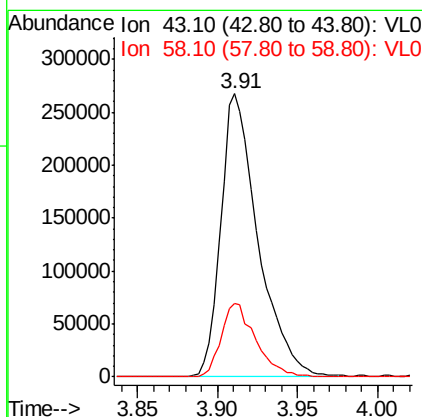
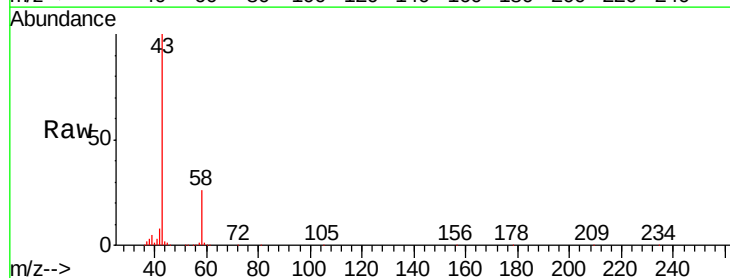
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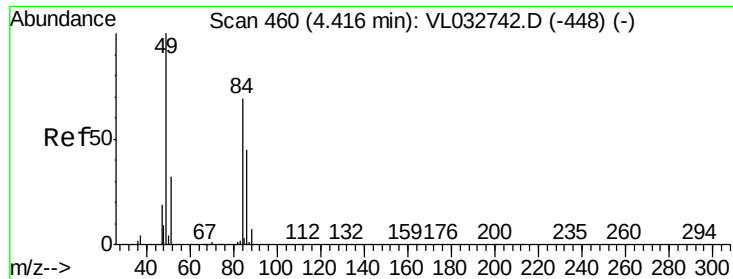
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#15
Acetone
Concen: 3.53 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032812.D
Acq: 27 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.0	21.1	31.7





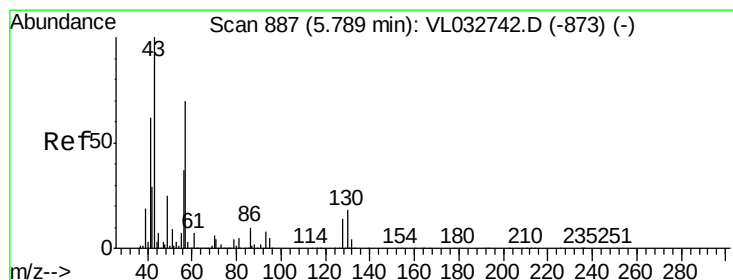
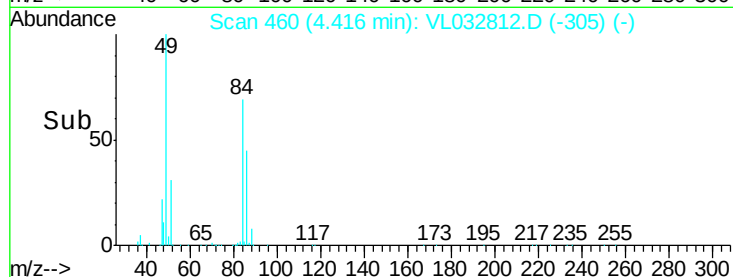
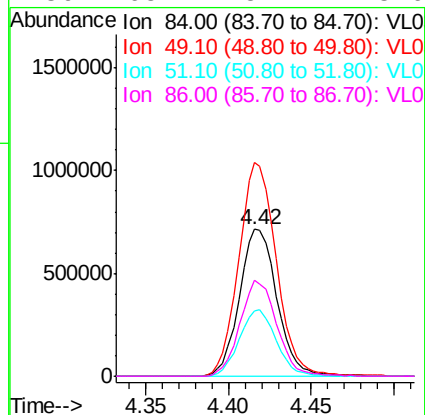
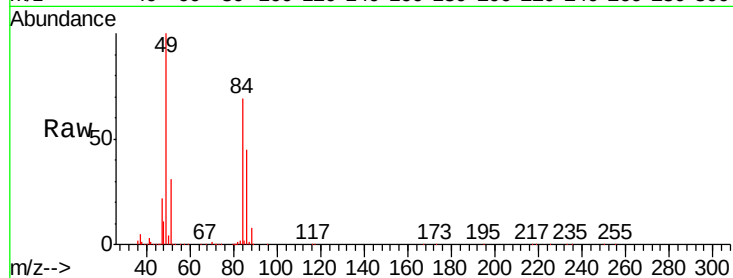
#20
Methylene Chloride
Concen: 18.11 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032812.D
Acq: 27 Nov 2018 18:13

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.4	115.8	173.6
51	44.5	36.9	55.3
86	65.7	52.4	78.6

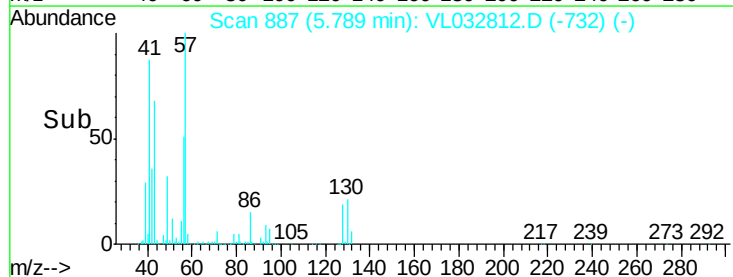
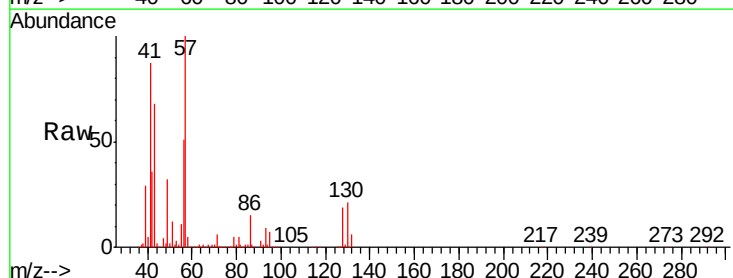
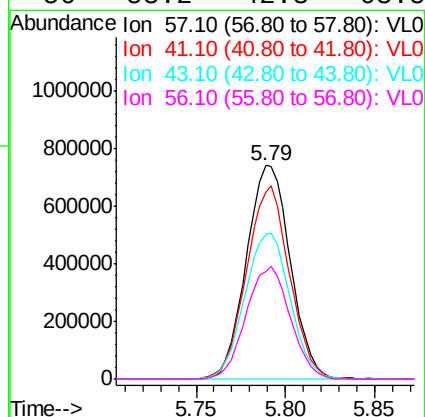
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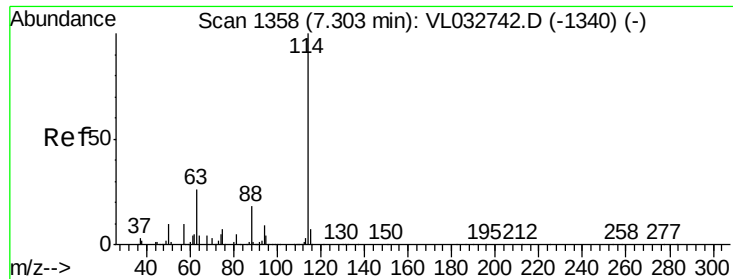
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#26
Hexane
Concen: 10.21 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032812.D
Acq: 27 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.8	70.3	105.5
43	70.6	174.0	261.0#
56	53.2	42.3	63.5





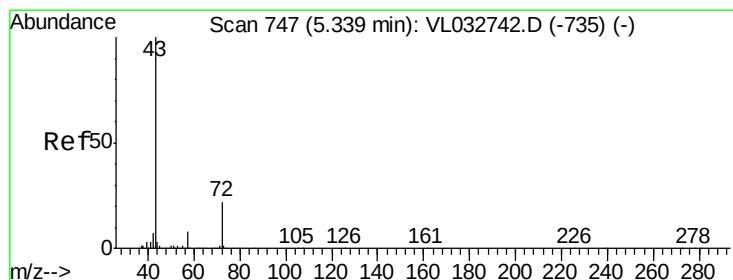
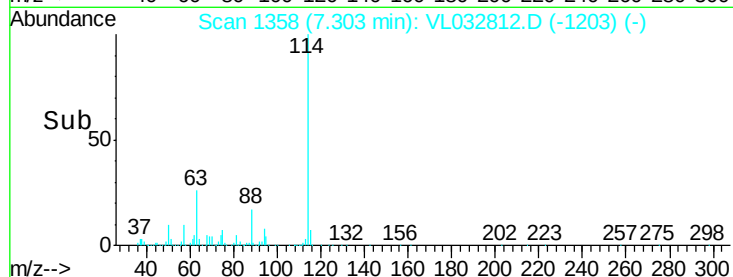
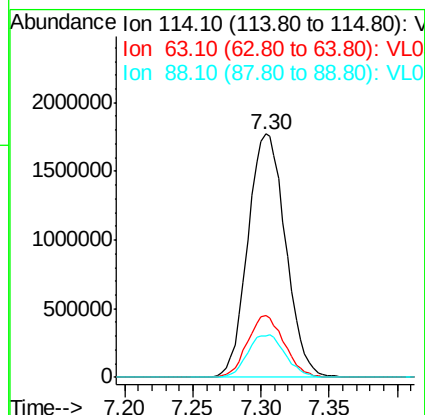
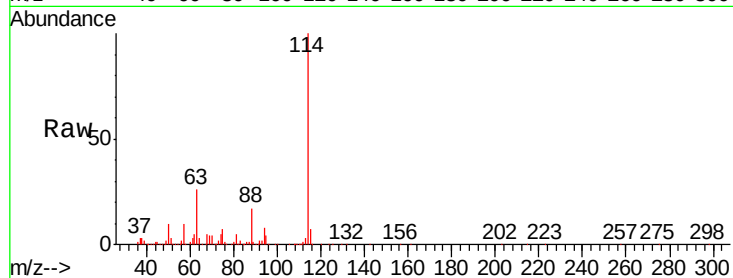
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL032812.D
 Acq: 27 Nov 2018 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-OA-01

Tgt Ion: 114 Resp: 3403685
 Ion Ratio Lower Upper
 114 100
 63 24.9 20.9 31.3
 88 17.6 14.4 21.6

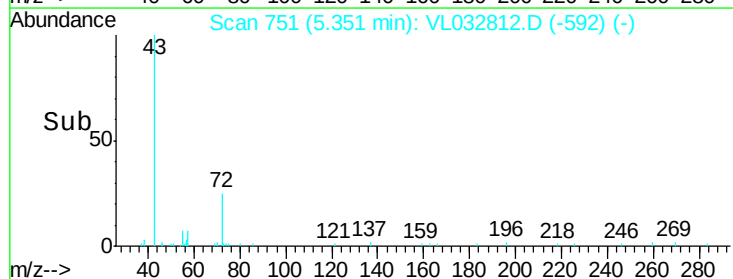
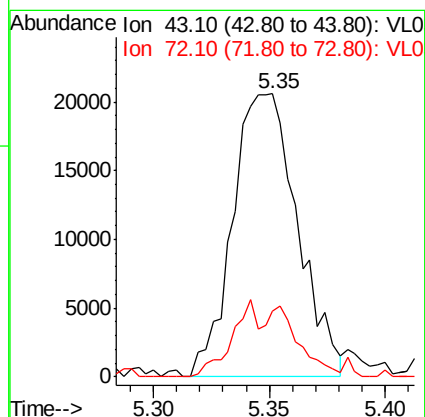
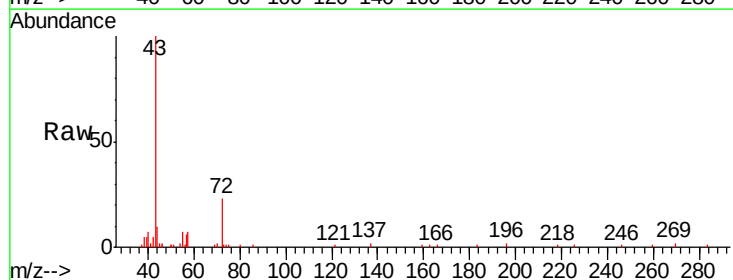
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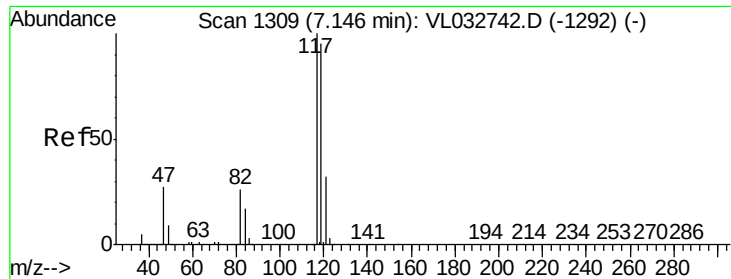
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#34
 2-Butanone
 Concen: 0.23 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VL032812.D
 Acq: 27 Nov 2018 18:13

Tgt Ion: 43 Resp: 40034
 Ion Ratio Lower Upper
 43 100
 72 25.1 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.07 ppbv m

RT: 7.14 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL032812.D

Acq: 27 Nov 2018 18:13

Instrument :

MSVOA_L

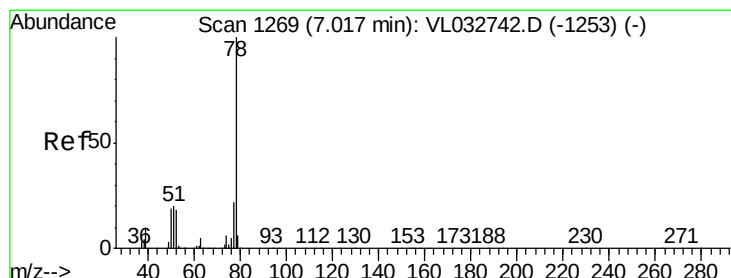
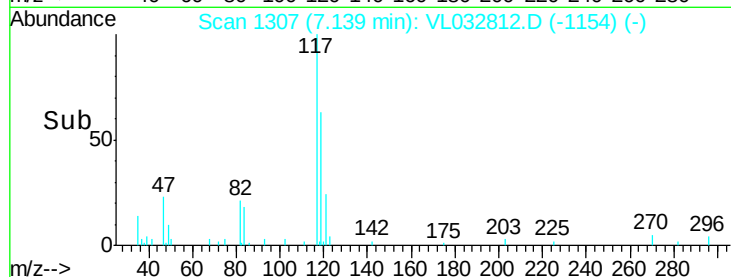
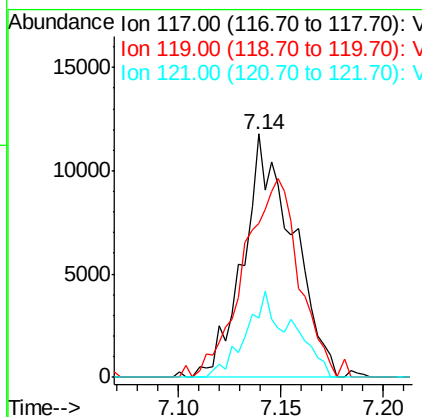
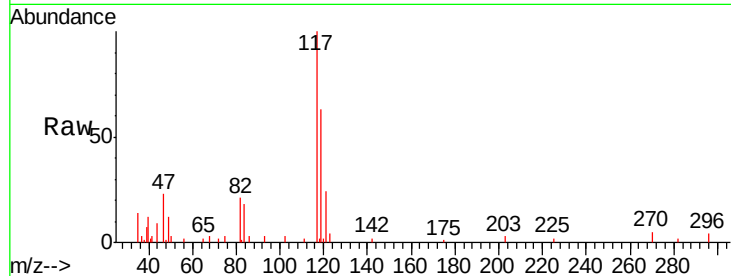
ClientSampled :

EP2-OA-01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	63.0	76.1	114.1#
121	24.2	25.4	38.0#

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#36

Benzene

Concen: 0.29 ppbv

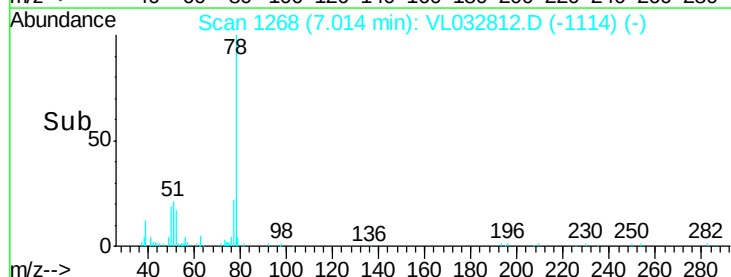
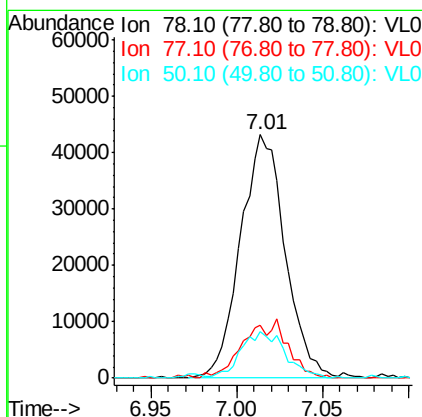
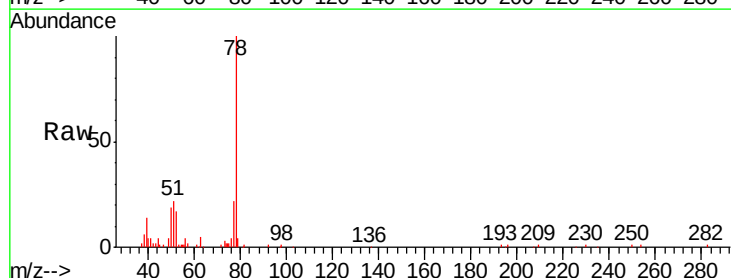
RT: 7.01 min Scan# 1268

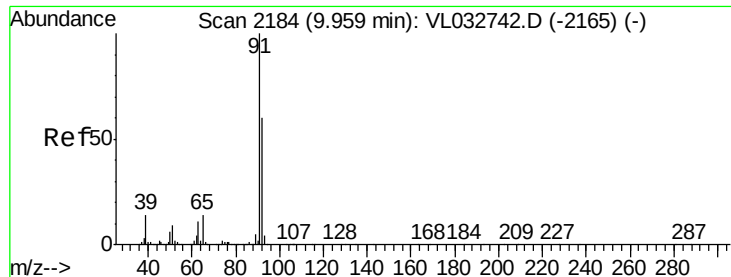
Delta R.T. -0.00 min

Lab File: VL032812.D

Acq: 27 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.8	26.8
50	18.3	15.4	23.0





#53

Toluene

Concen: 0.54 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032812.D

Acq: 27 Nov 2018 18:13

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01

Tgt Ion: 91 Resp: 151619

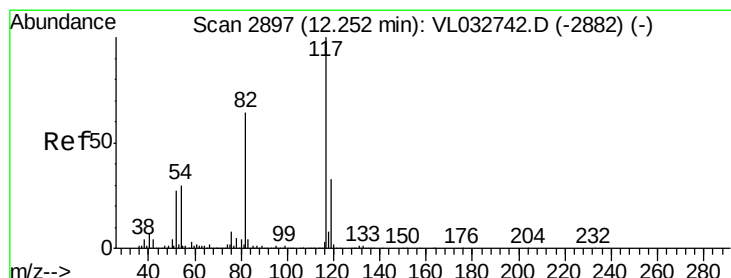
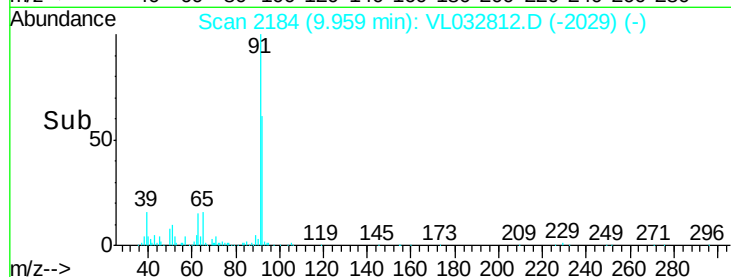
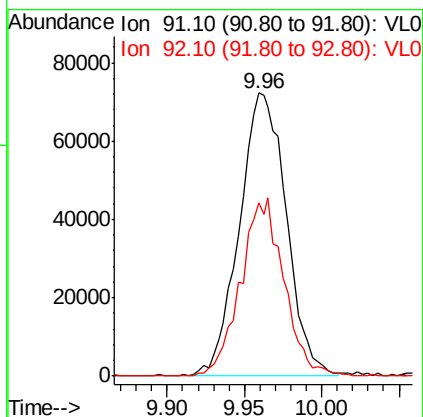
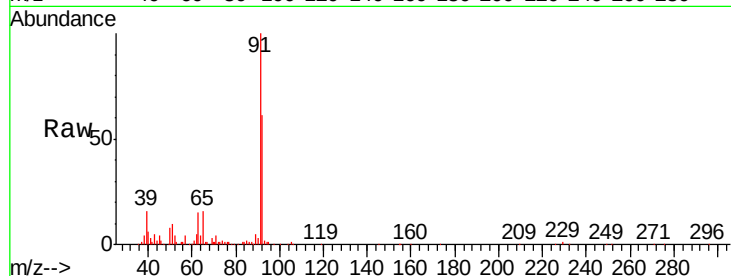
Ion Ratio Lower Upper

91 100

92 58.2 47.9 71.9

Manual Integrations
APPROVED

MMDadoda
11/28/2018 4:21:25 PM



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. 0.01 min

Lab File: VL032812.D

Acq: 27 Nov 2018 18:13

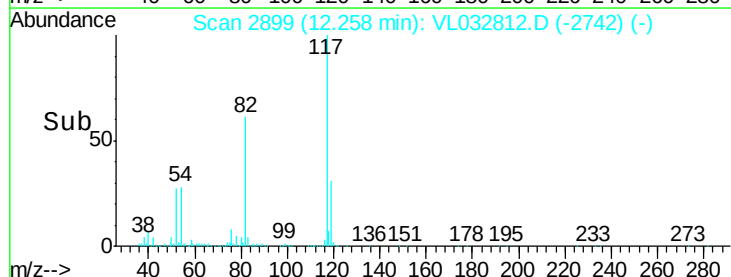
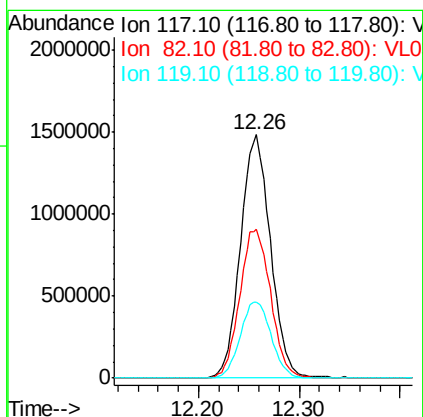
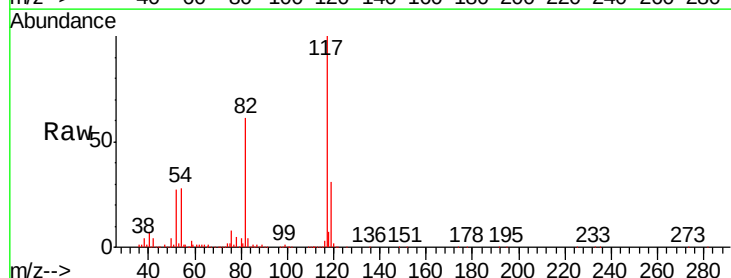
Tgt Ion: 117 Resp: 3054860

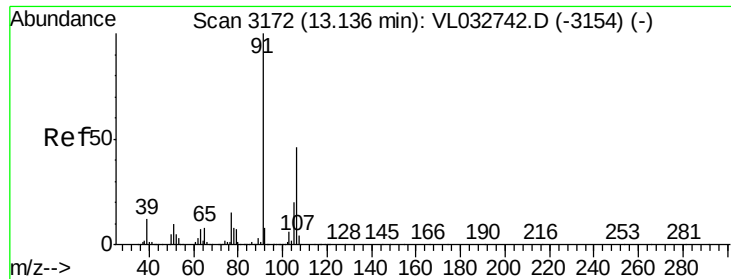
Ion Ratio Lower Upper

117 100

82 63.5 51.0 76.6

119 32.4 28.0 42.0





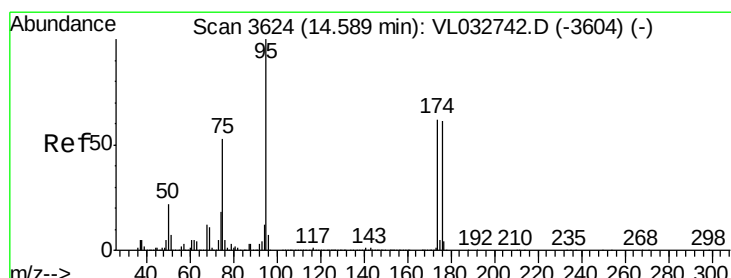
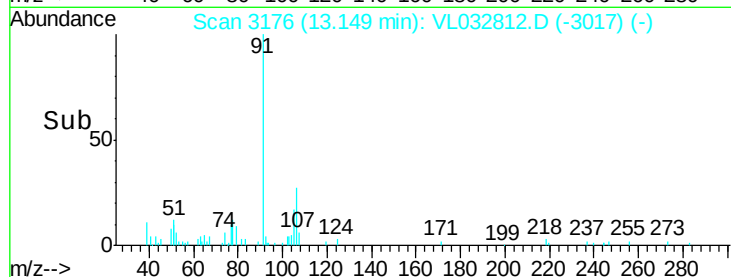
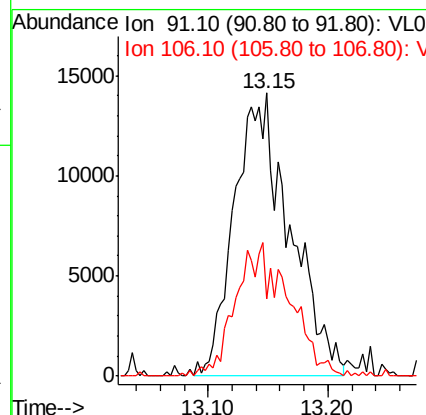
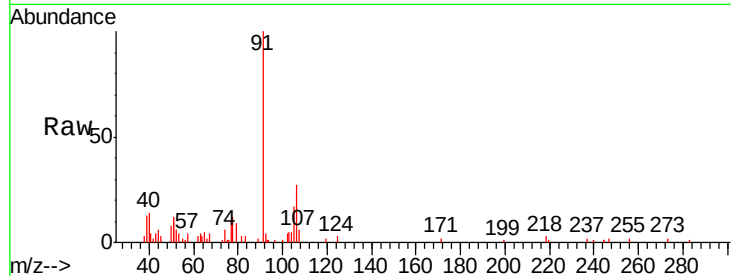
#59
m/p-Xylene
Concen: 0.14 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VL032812.D
Acq: 27 Nov 2018 18:13

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01

Tgt Ion: 91 Resp: 45589
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#

Manual Integrations
APPROVED

MMDadoda
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.94 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032812.D
Acq: 27 Nov 2018 18:13

Tgt Ion: 95 Resp: 2270965
Ion Ratio Lower Upper
95 100
174 67.2 50.7 76.1
175 4.9 3.8 5.6

