

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032813.D
 Acq On : 27 Nov 2018 18:53
 Operator : SY/AP
 Sample : J6046-05DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-OA-01DUP

Manual Integrations
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 11/28/2018 4:21:27 PM

Quant Time: Nov 28 03:44:52 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	1342933	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3426661	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3055557	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2323733	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	50489	0.26	ppbv	98
3) Chlorodifluoromethane	3.02	51	42509m	0.40	ppbv	
4) Chloromethane	3.18	50	26796m	0.45	ppbv	
9) Propene	3.05	41	50464m	1.18	ppbv	
11) Trichlorofluoromethane	4.02	101	46578m	0.26	ppbv	
13) Ethanol	3.68	45	361860	25.93	ppbv	98
15) Acetone	3.91	43	374756	3.06	ppbv	97
20) Methylene Chloride	4.42	84	892440	14.06	ppbv	99
26) Hexane	5.79	57	770629	6.06	ppbv #	44
34) 2-Butanone	5.35	43	38348	0.22	ppbv	98
35) Carbon Tetrachloride	7.15	117	19632m	0.07	ppbv	
36) Benzene	7.02	78	69135	0.25	ppbv	97
53) Toluene	9.97	91	143756	0.50	ppbv	99
59) m/p-Xylene	13.14	91	38129m	0.12	ppbv	

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

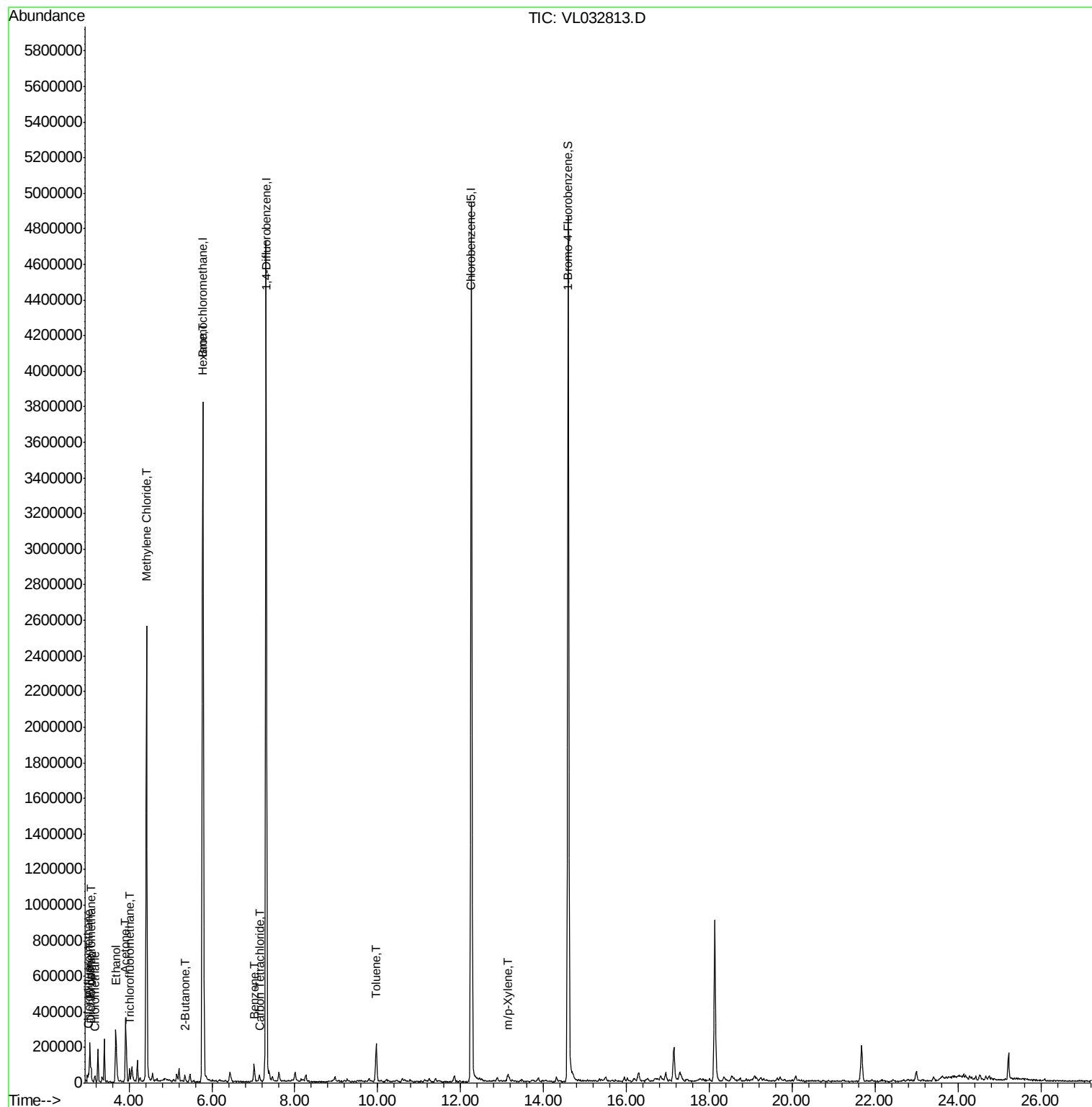
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
Data File : VL032813.D
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Sample : J6046-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

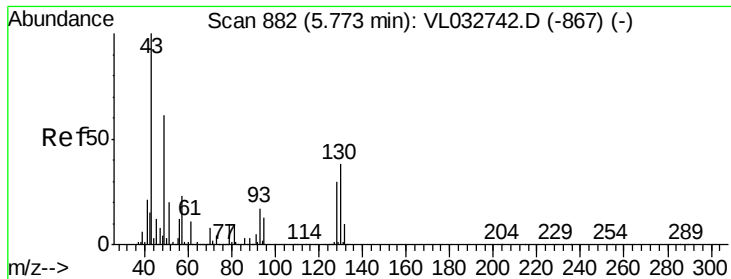
Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01DUP

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Quant Time: Nov 28 03:44:52 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# 882

Delta R.T. -0.00 min

Lab File: VL032813.D

Acq: 27 Nov 2018 18:53

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01DUP

Tgt Ion: 49 Resp: 1342933

Ion Ratio Lower Upper

49 100

128 52.1 24.9 74.6

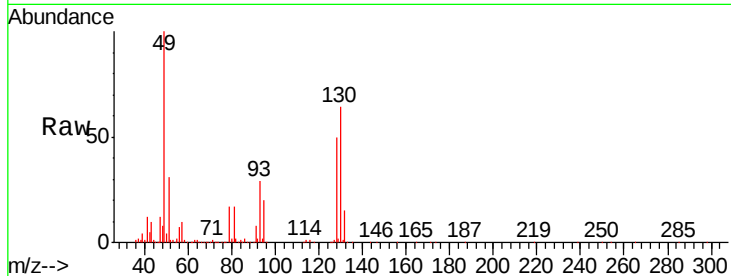
130 66.8 31.4 94.2

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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

5.77

800000

600000

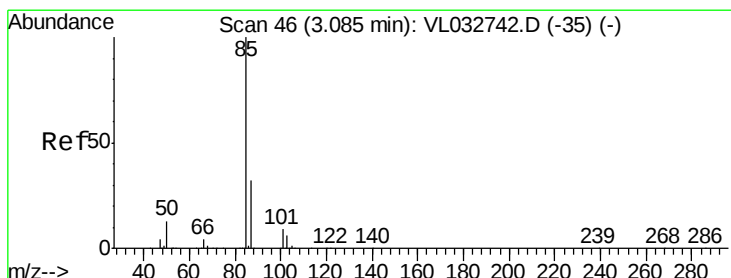
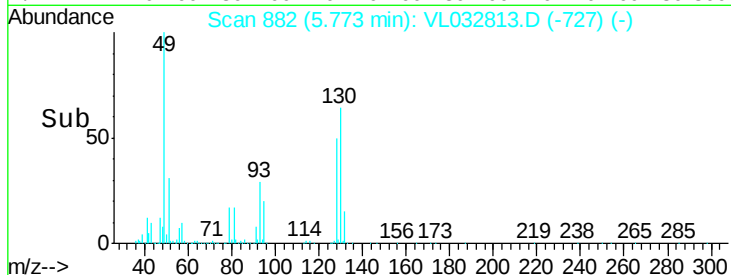
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 0.26 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032813.D

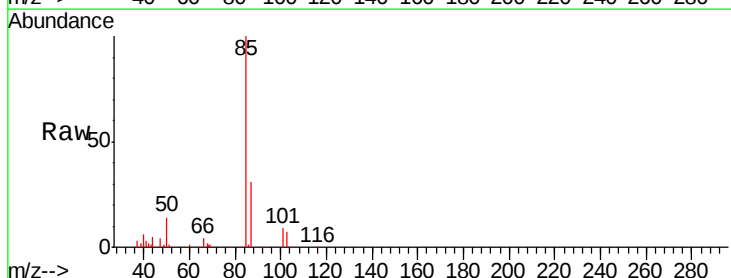
Acq: 27 Nov 2018 18:53

Tgt Ion: 85 Resp: 50489

Ion Ratio Lower Upper

85 100

87 31.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

50000

40000

30000

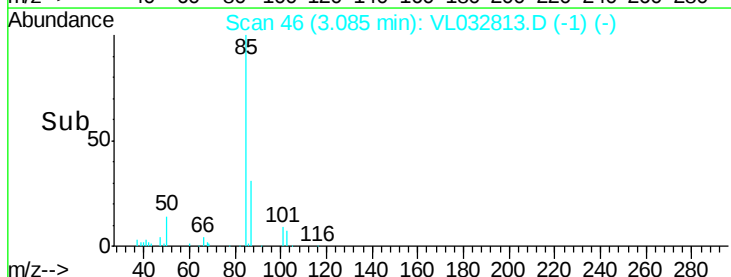
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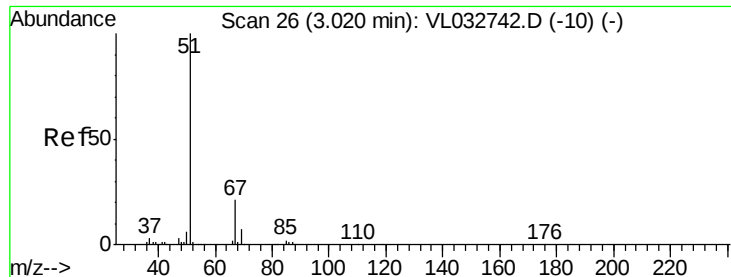
10000

0

3.05 3.10

Time-->





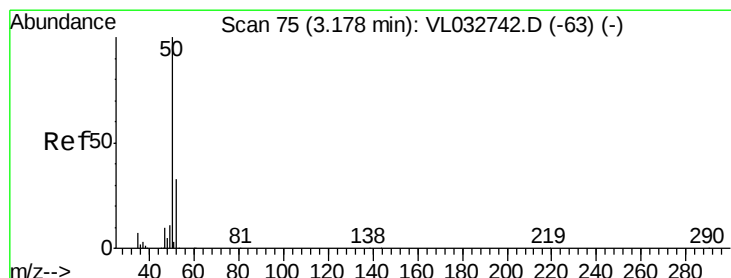
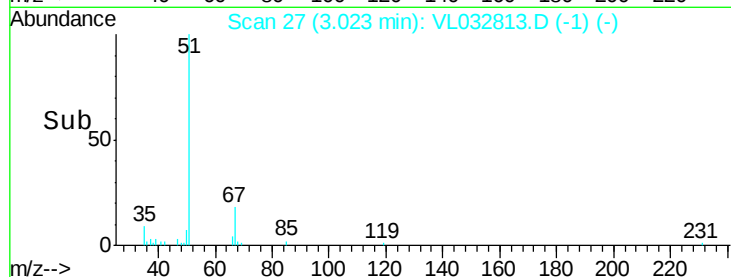
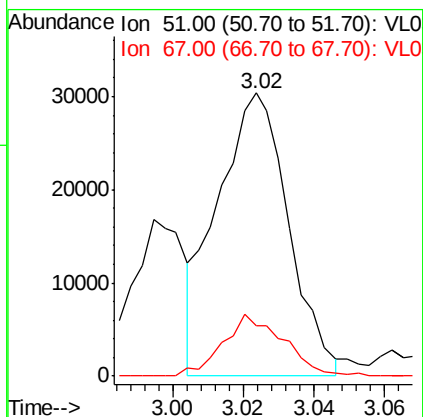
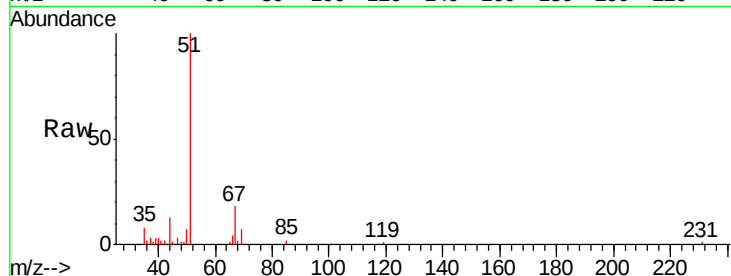
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Chlorodifluoromethane
Concen: 0.40 ppbv m
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01DUP

Tgt Ion: 51 Resp: 42509
Ion Ratio Lower Upper
51 100
67 18.6 16.1 24.1

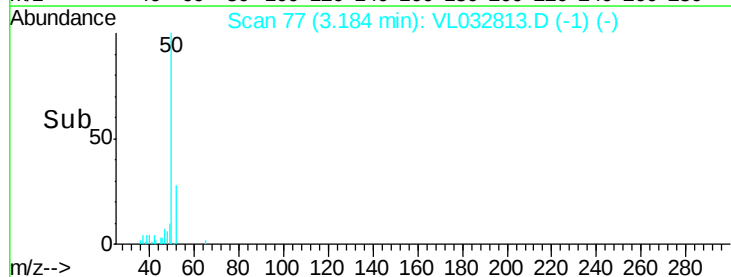
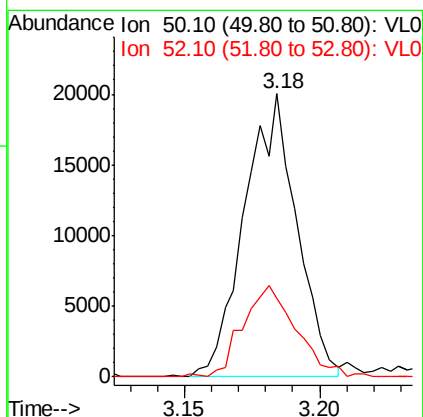
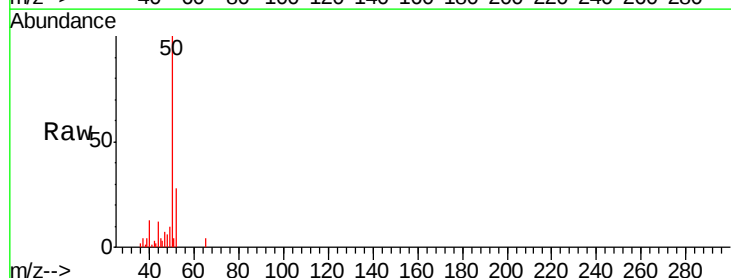
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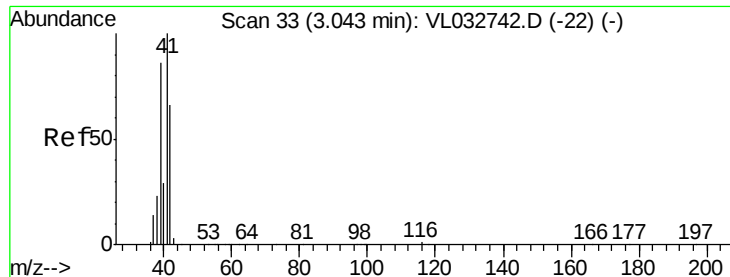
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#4
Chloromethane
Concen: 0.45 ppbv m
RT: 3.18 min Scan# 77
Delta R.T. 0.01 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Tgt Ion: 50 Resp: 26796
Ion Ratio Lower Upper
50 100
52 27.7 26.6 40.0





#9

Propene

Concen: 1.18 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032813.D

Acq: 27 Nov 2018 18:53

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01DUP

Tgt Ion: 41 Resp: 50464

Ion Ratio Lower Upper

41 100

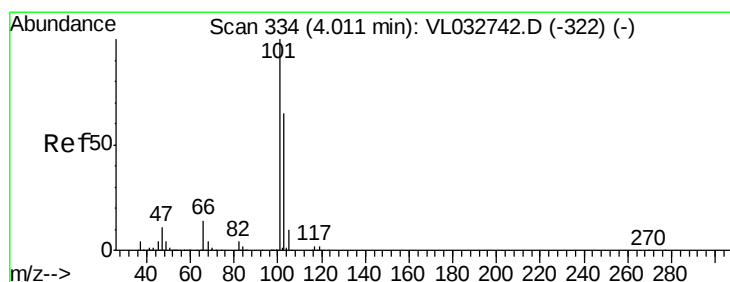
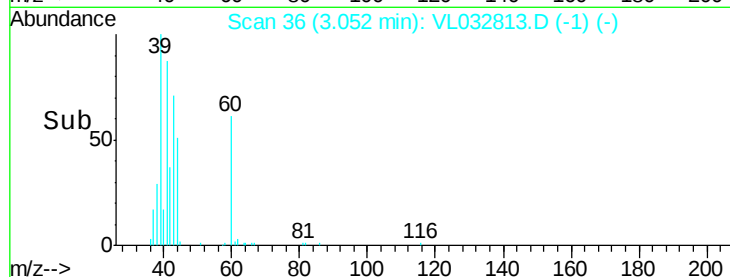
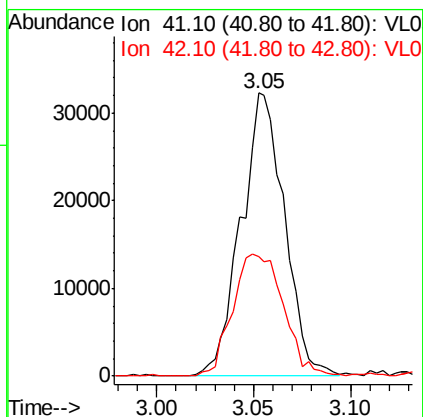
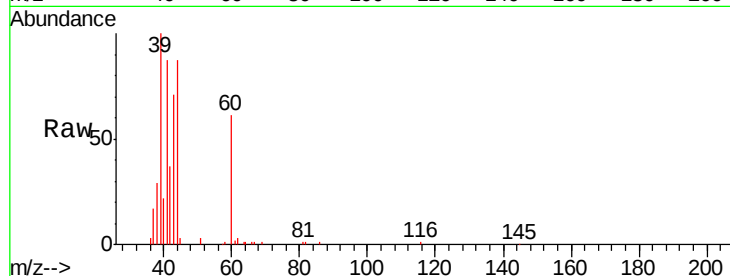
42 63.6 55.0 82.6

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.26 ppbv m

RT: 4.02 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL032813.D

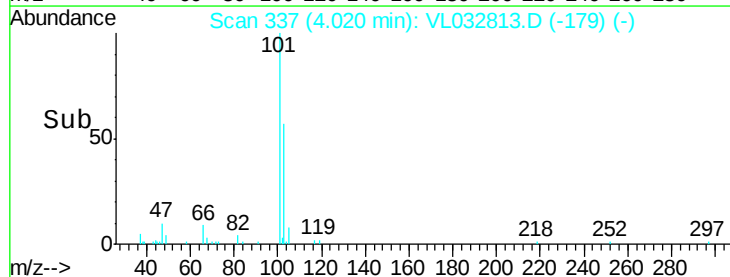
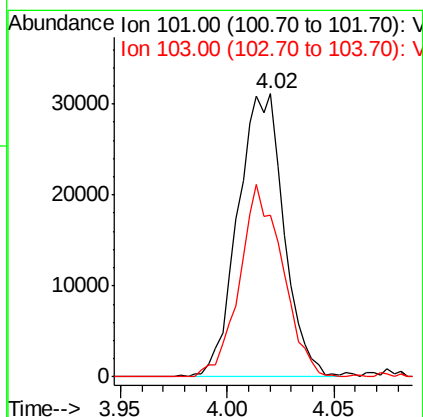
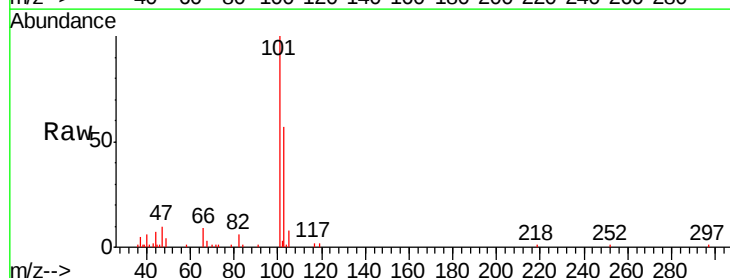
Acq: 27 Nov 2018 18:53

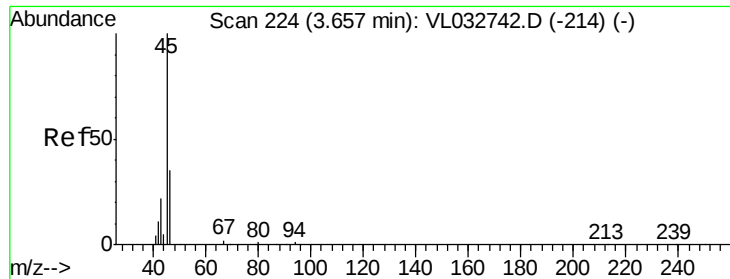
Tgt Ion: 101 Resp: 46578

Ion Ratio Lower Upper

101 100

103 57.1 51.6 77.4





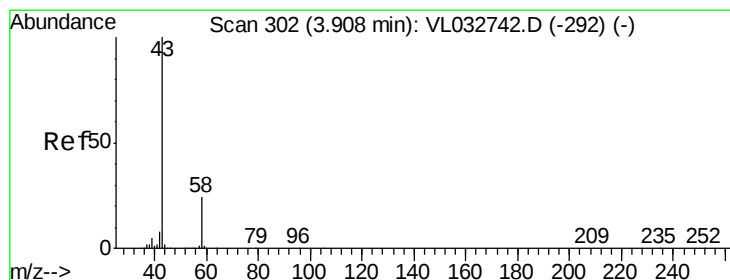
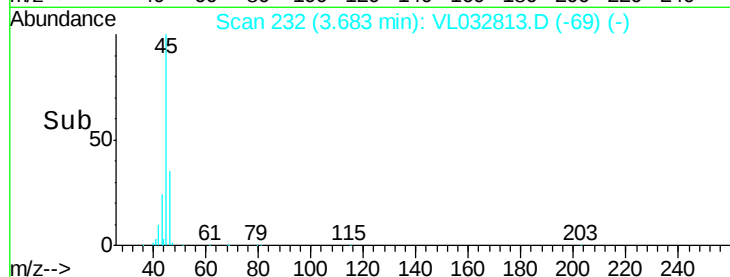
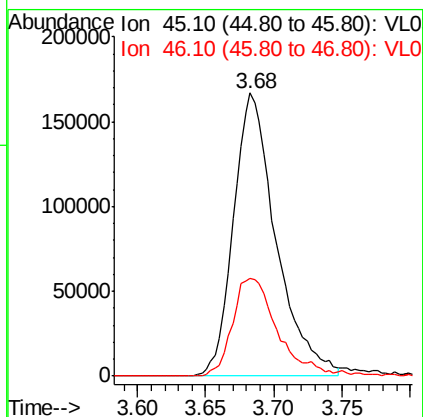
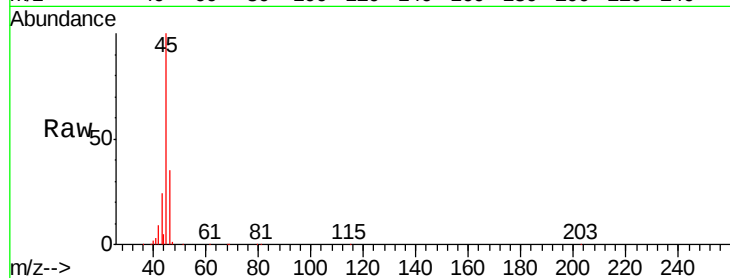
#13
Ethanol
Concen: 25.93 ppbv
RT: 3.68 min Scan# 232
Delta R.T. 0.03 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01DUP

Tgt Ion: 45 Resp: 361860
Ion Ratio Lower Upper
45 100
46 37.5 14.5 57.9

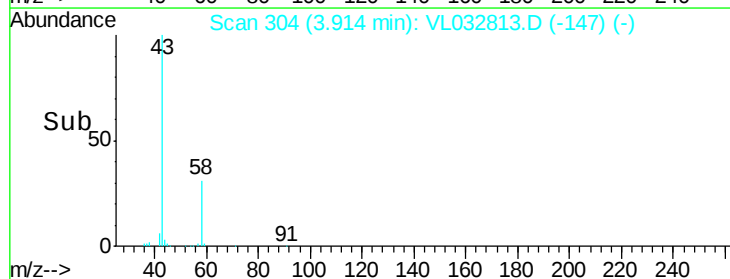
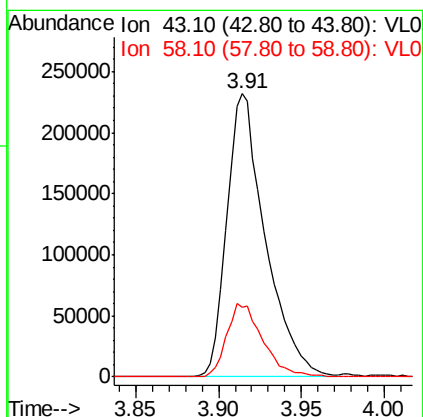
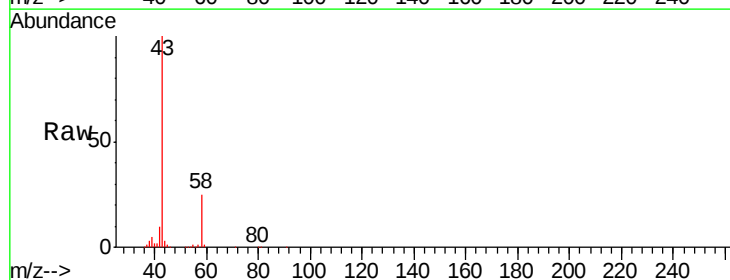
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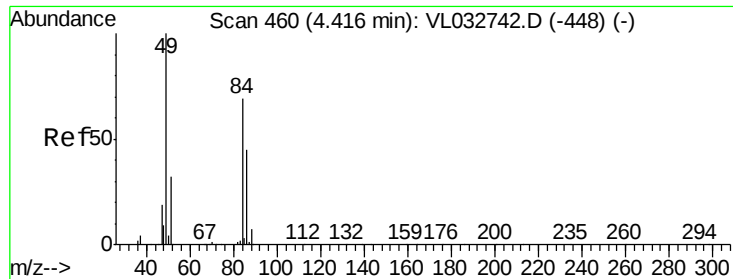
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#15
Acetone
Concen: 3.06 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Tgt Ion: 43 Resp: 374756
Ion Ratio Lower Upper
43 100
58 24.6 21.1 31.7





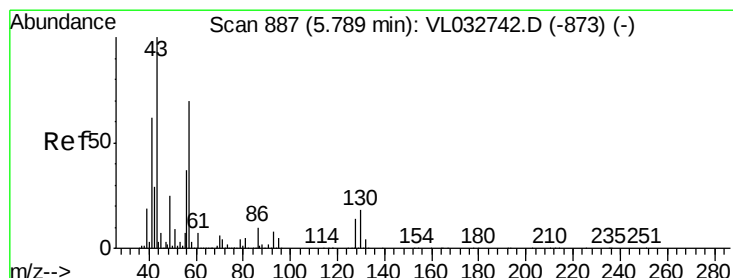
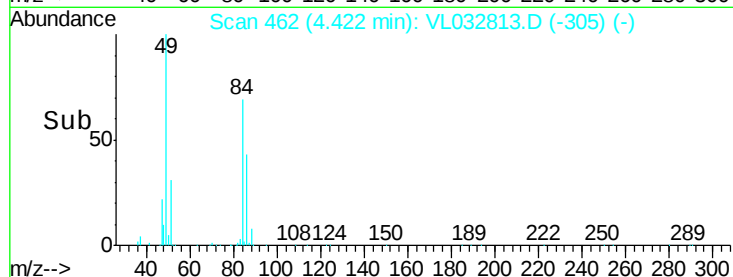
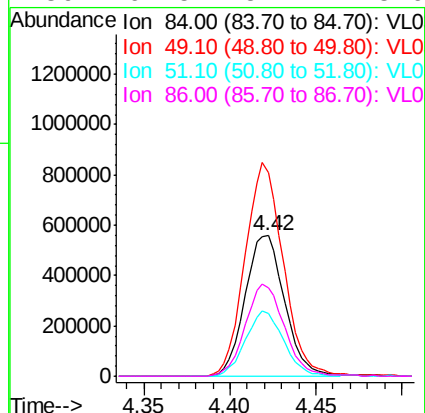
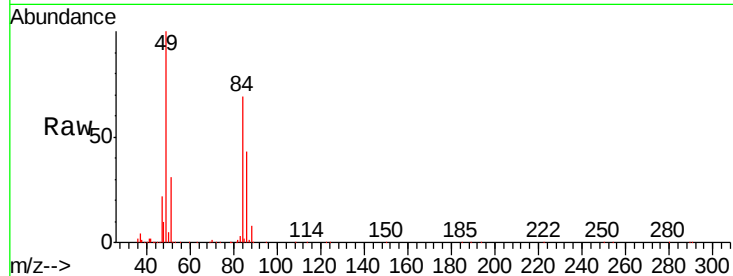
#20
Methylene Chloride
Concen: 14.06 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01DUP

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.9	115.8	173.6
51	44.6	36.9	55.3
86	62.5	52.4	78.6

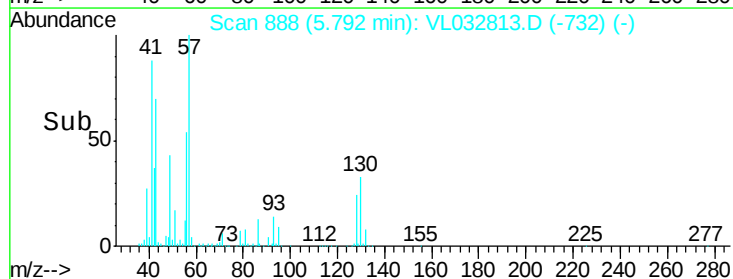
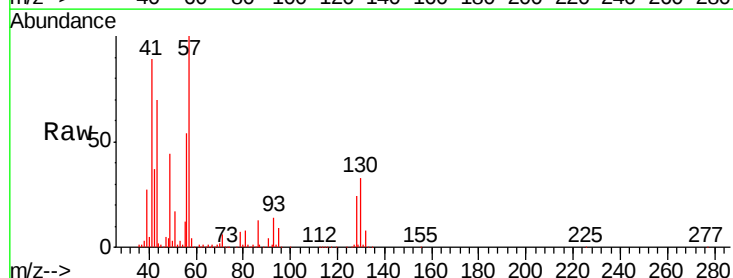
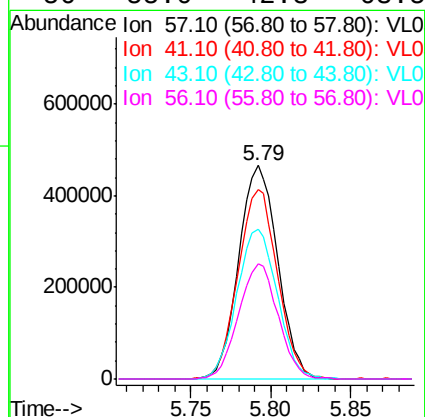
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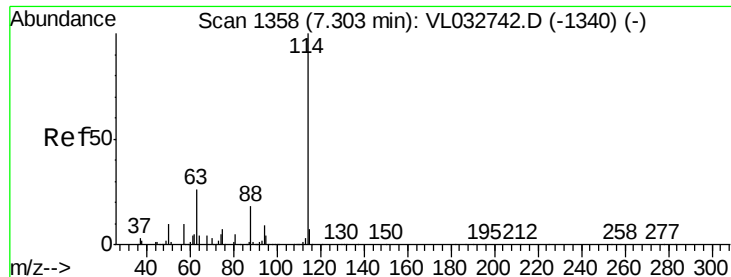
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#26
Hexane
Concen: 6.06 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.8	70.3	105.5
43	73.7	174.0	261.0#
56	55.0	42.3	63.5





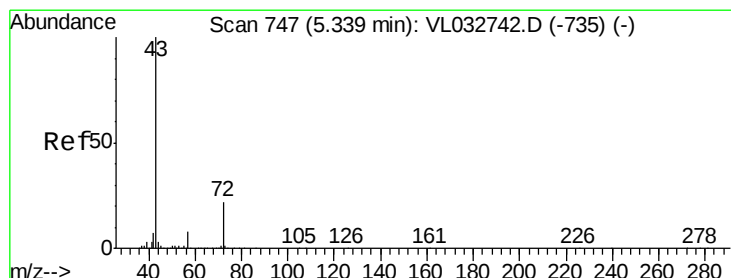
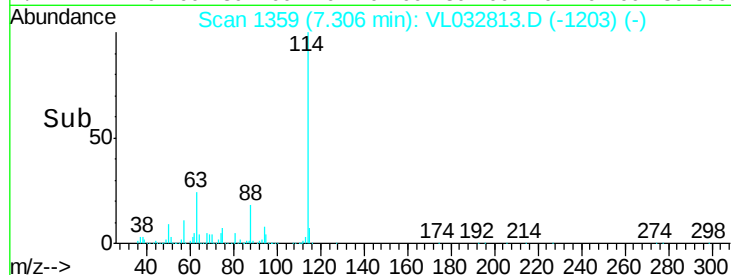
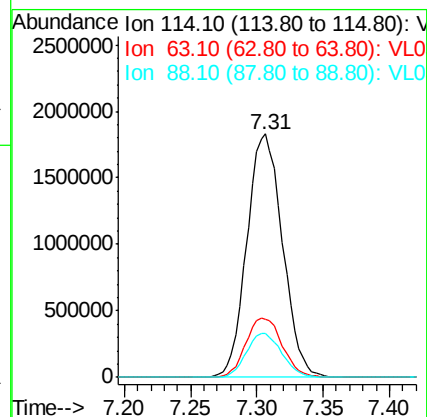
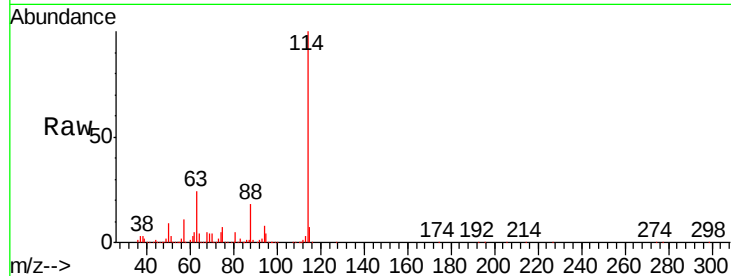
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032813.D
 Acq: 27 Nov 2018 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-OA-01DUP

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.9	31.3
88	18.0	14.4	21.6

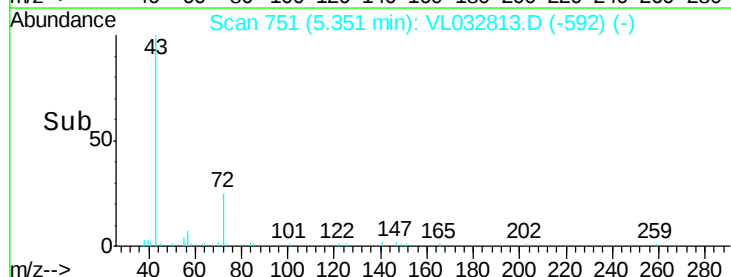
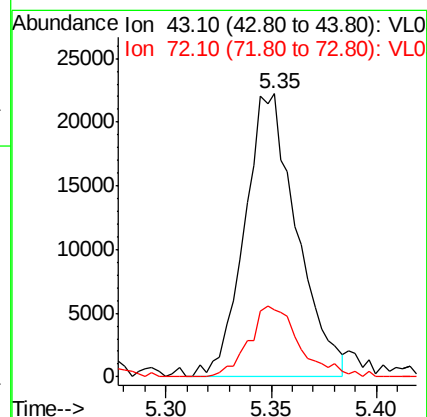
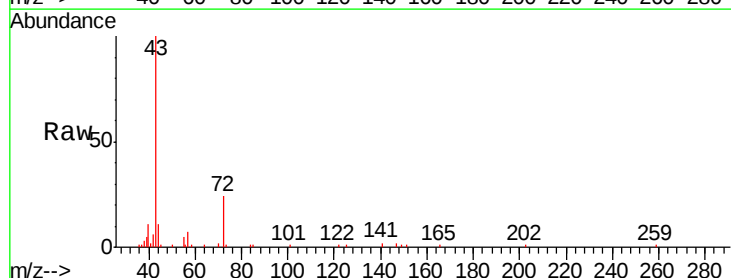
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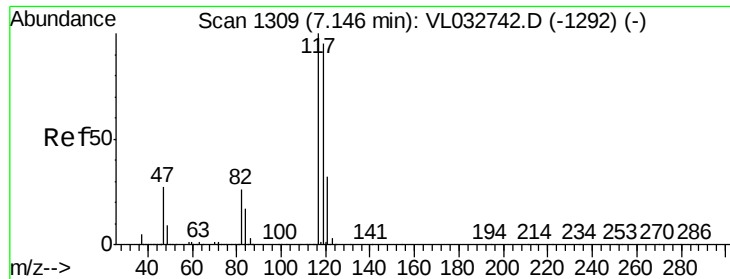
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#34
 2-Butanone
 Concen: 0.22 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VL032813.D
 Acq: 27 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.4	27.6





#35

Carbon Tetrachloride

Concen: 0.07 ppbv m

RT: 7.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL032813.D

Acq: 27 Nov 2018 18:53

Instrument :

MSVOA_L

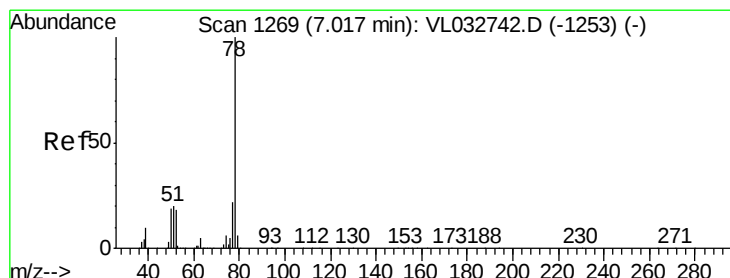
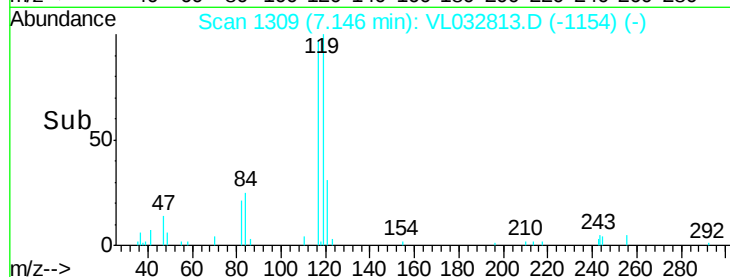
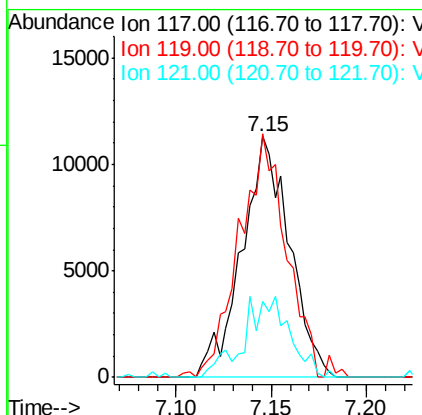
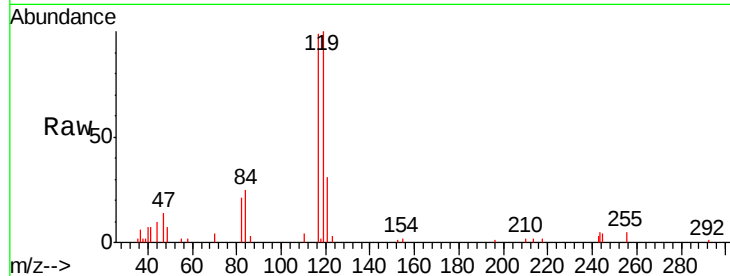
ClientSampleId :

EP2-OA-01DUP

Tgt Ion:	117	Resp:	19632
Ion Ratio	Lower	Upper	
117	100		
119	101.1	76.1	114.1
121	31.4	25.4	38.0

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#36

Benzene

Concen: 0.25 ppbv

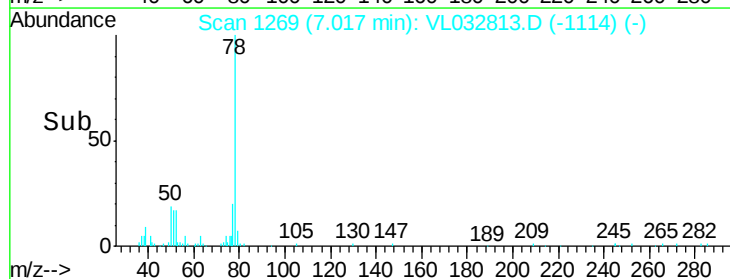
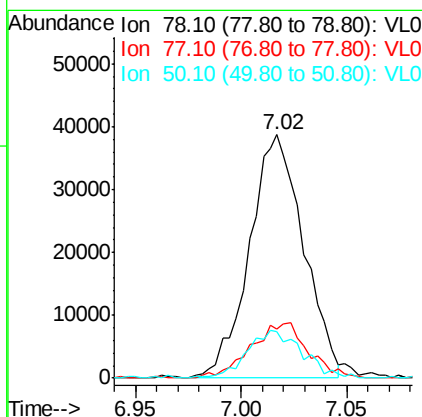
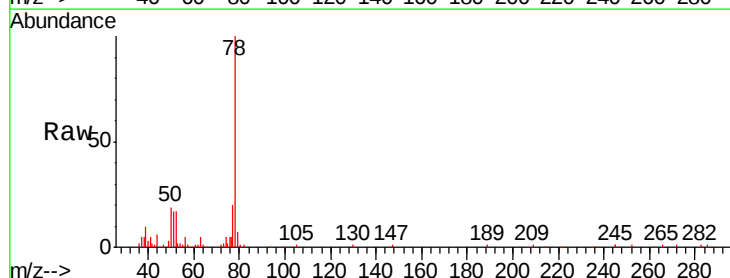
RT: 7.02 min Scan# 1269

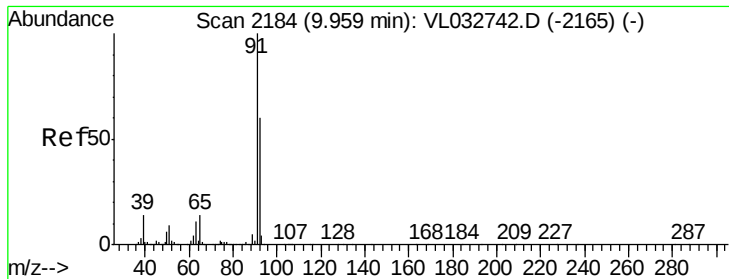
Delta R.T. -0.00 min

Lab File: VL032813.D

Acq: 27 Nov 2018 18:53

Tgt Ion:	78	Resp:	69135
Ion Ratio	Lower	Upper	
78	100		
77	20.0	17.8	26.8
50	18.9	15.4	23.0





#53

Toluene

Concen: 0.50 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL032813.D

Acq: 27 Nov 2018 18:53

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01DUP

Tgt Ion: 91 Resp: 143756

Ion Ratio Lower Upper

91 100

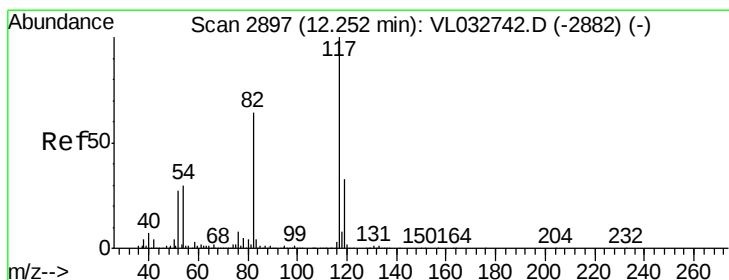
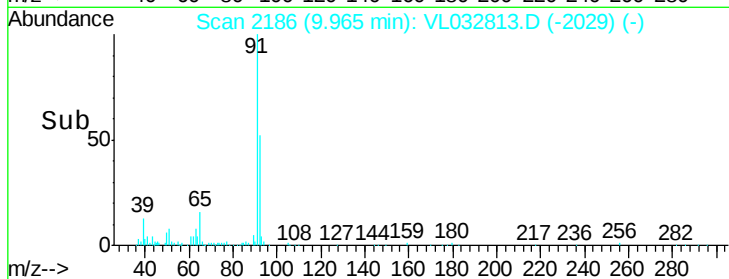
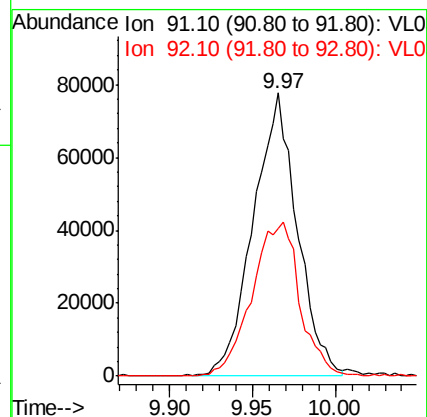
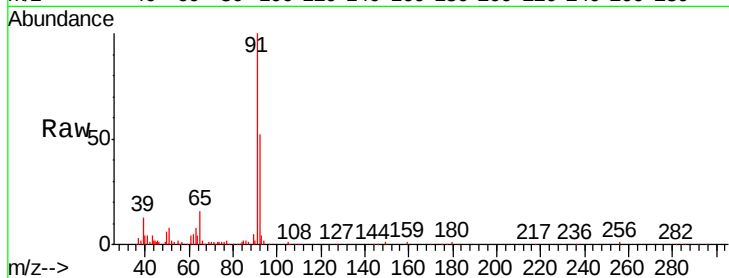
92 59.4 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

11/28/2018 4:21:27 PM



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. 0.01 min

Lab File: VL032813.D

Acq: 27 Nov 2018 18:53

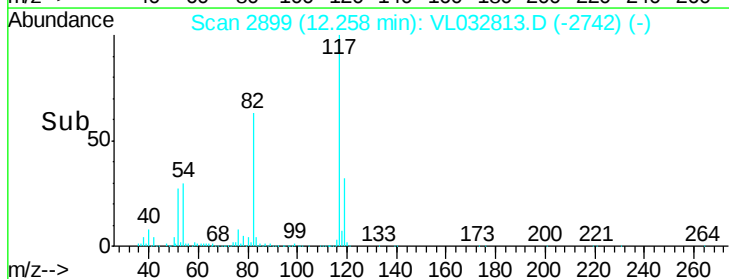
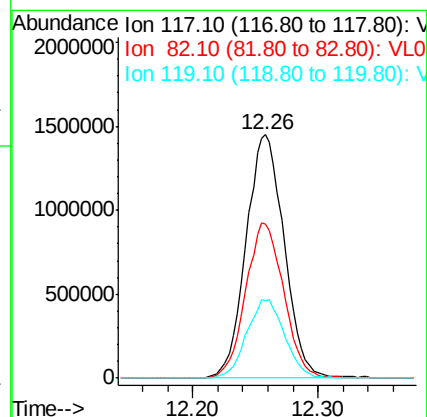
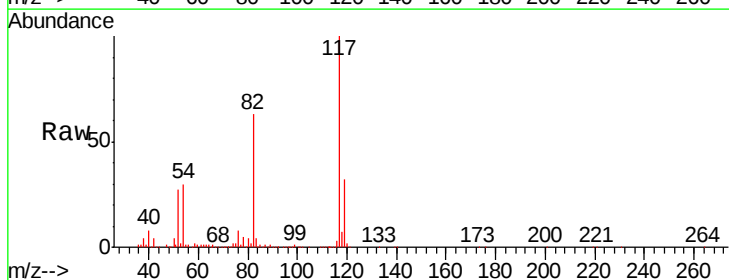
Tgt Ion: 117 Resp: 3055557

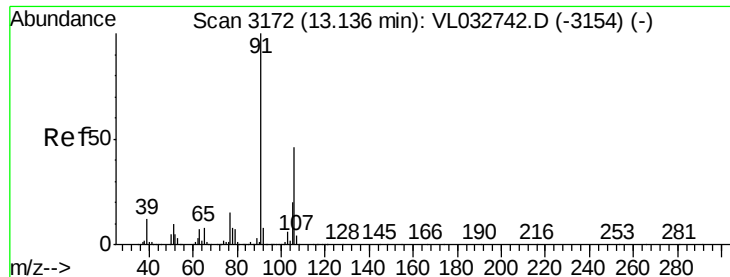
Ion Ratio Lower Upper

117 100

82 64.5 51.0 76.6

119 32.4 28.0 42.0





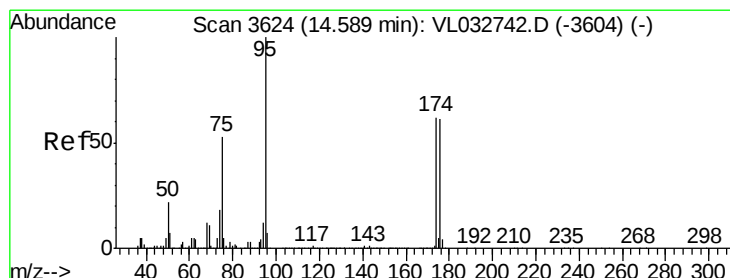
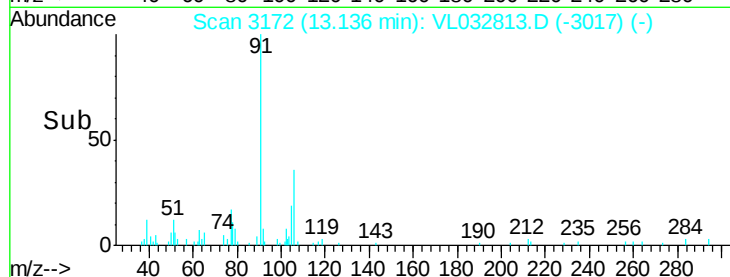
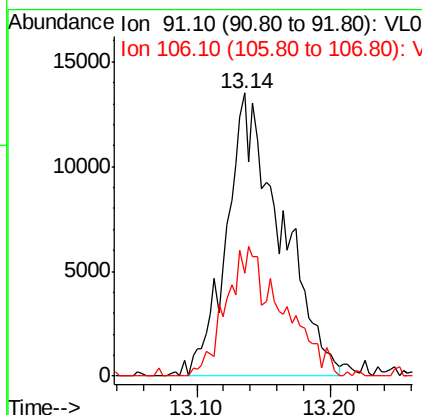
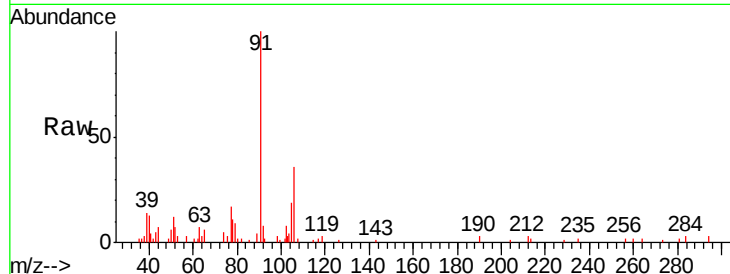
#59
m/p-Xylene
Concen: 0.12 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01DUP

Tgt Ion: 91 Resp: 38129
Ion Ratio Lower Upper
91 100
106 47.6 36.1 54.1

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.17 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032813.D
Acq: 27 Nov 2018 18:53

Tgt Ion: 95 Resp: 2323733
Ion Ratio Lower Upper
95 100
174 66.4 50.7 76.1
175 4.8 3.8 5.6

