

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032816.D
 Acq On : 27 Nov 2018 20:50
 Operator : SY/AP
 Sample : J6046-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01DL

Manual Integrations
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 11/28/2018 4:21:29 PM

Quant Time: Nov 28 15:51:03 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 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	1279200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3250365	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3017464	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2234227	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	45795m	0.45	ppbv	
9) Propene	3.05	41	66861	1.65	ppbv	96
11) Trichlorofluoromethane	4.02	101	24791	0.14	ppbv	93
13) Ethanol	3.66	45	148128m	11.14	ppbv	
15) Acetone	3.92	43	246147	2.11	ppbv #	70
19) Isopropyl Alcohol	4.05	45	141840m	1.82	ppbv	
26) Hexane	5.79	57	13219m	0.11	ppbv	
34) 2-Butanone	5.34	43	814268	4.83	ppbv	98
41) Tetrahydrofuran	6.17	42	73918m	0.76	ppbv	
52) Tetrachloroethene	11.39	164	46893m	0.52	ppbv	
53) Toluene	9.96	91	69059m	0.26	ppbv	

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

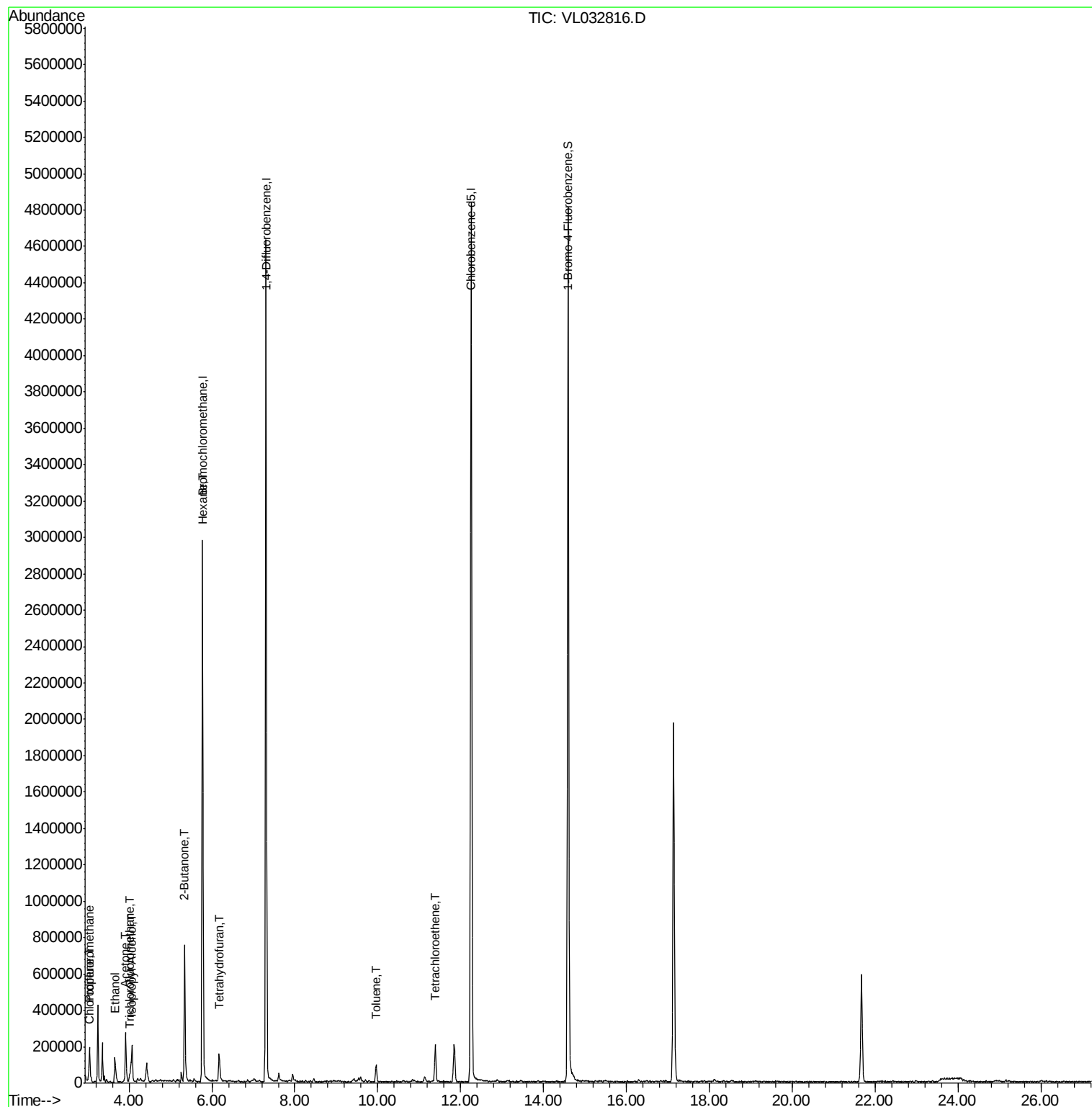
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
Data File : VL032816.D
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Operator : SY/AP
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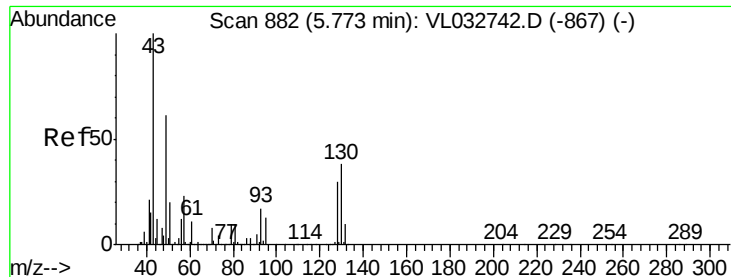
Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01DL

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Quant Time: Nov 28 15:51:03 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: VL032816.D

Acq: 27 Nov 2018 20:50

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-01DL

Tgt Ion: 49 Resp: 1279200

Ion Ratio Lower Upper

49 100

128 52.2 24.9 74.6

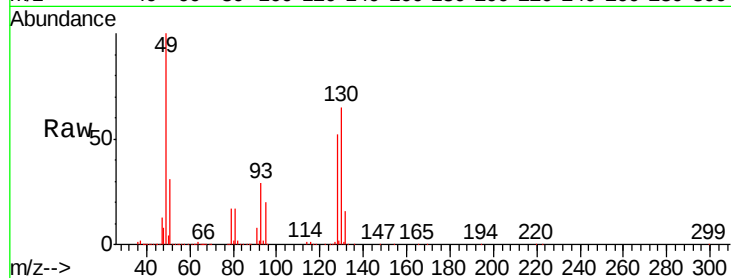
130 66.7 31.4 94.2

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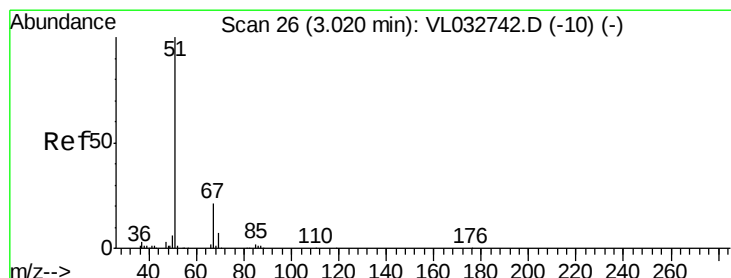
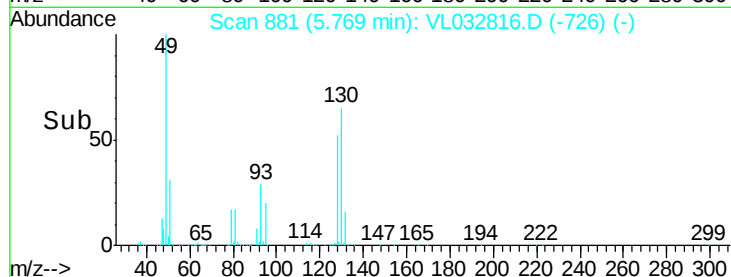
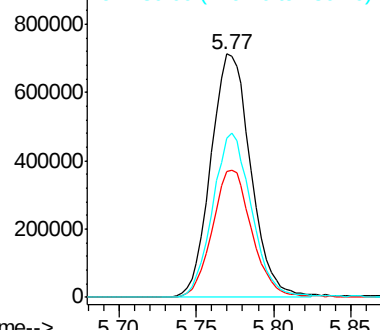
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.45 ppbv m

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032816.D

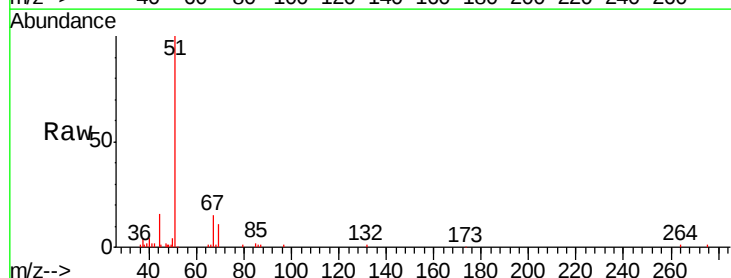
Acq: 27 Nov 2018 20:50

Tgt Ion: 51 Resp: 45795

Ion Ratio Lower Upper

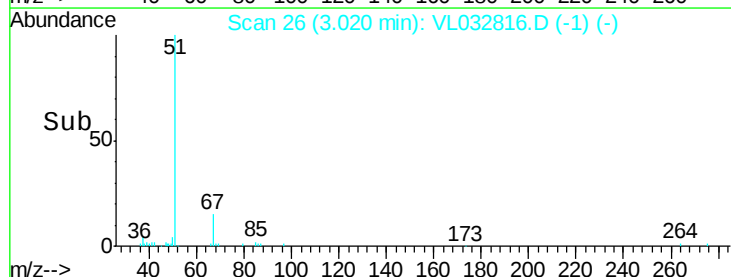
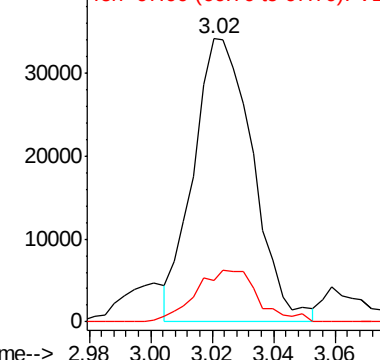
51 100

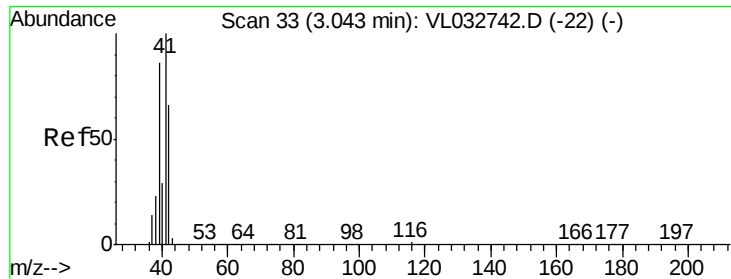
67 19.2 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 1.65 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032816.D

Acq: 27 Nov 2018 20:50

Instrument :

MSVOA_L

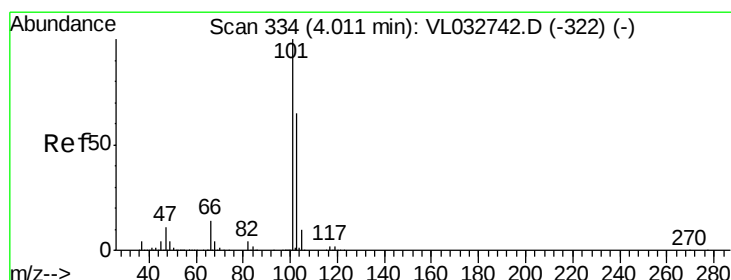
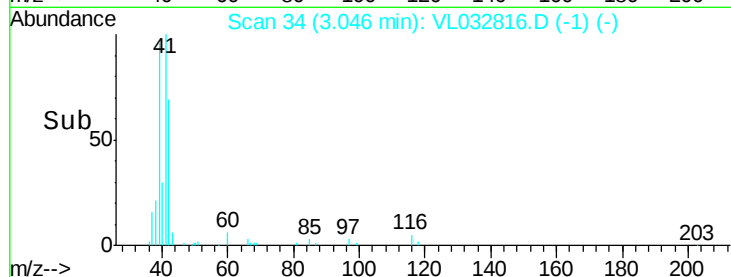
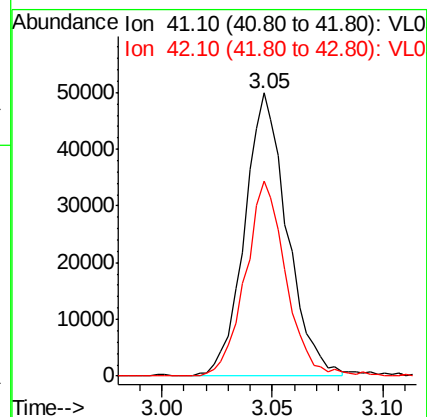
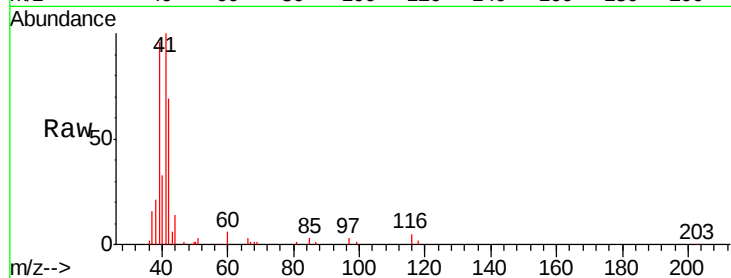
ClientSampleId :

EP2-SV-01DL

Tgt Ion: 41 Resp: 66861
 Ion Ratio Lower Upper
 41 100
 42 65.9 55.0 82.6

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#11

Trichlorofluoromethane

Concen: 0.14 ppbv

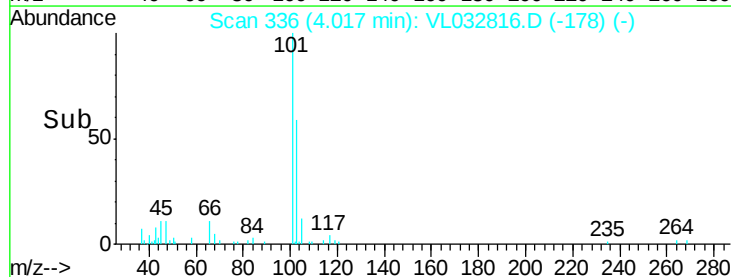
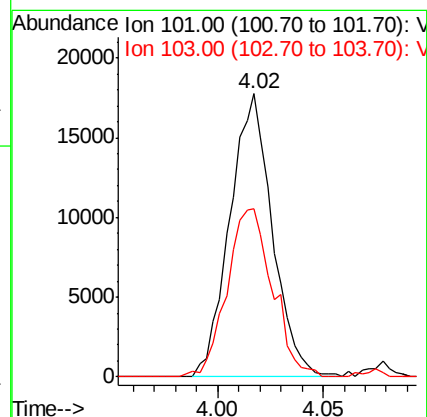
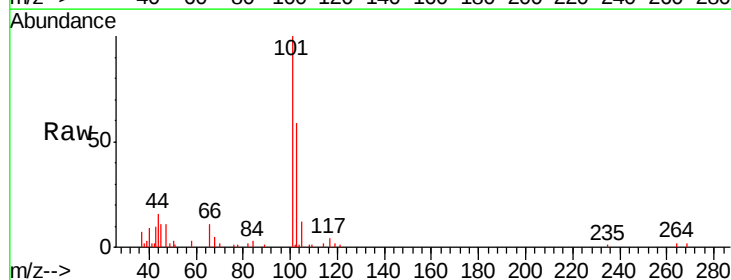
RT: 4.02 min Scan# 336

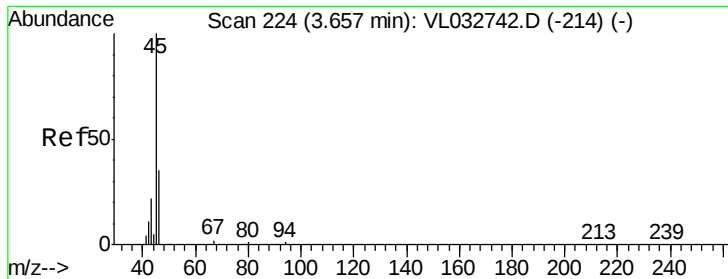
Delta R.T. 0.01 min

Lab File: VL032816.D

Acq: 27 Nov 2018 20:50

Tgt Ion: 101 Resp: 24791
 Ion Ratio Lower Upper
 101 100
 103 59.4 51.6 77.4





#13

Ethanol

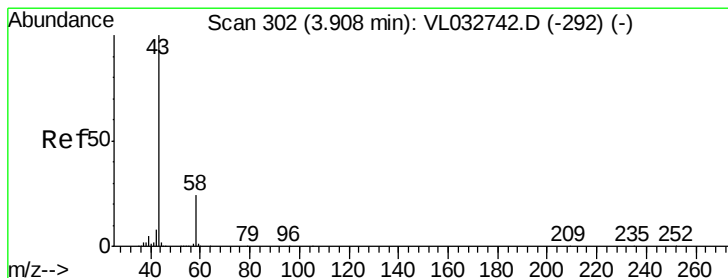
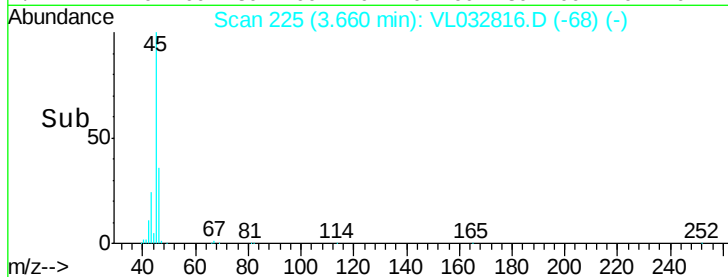
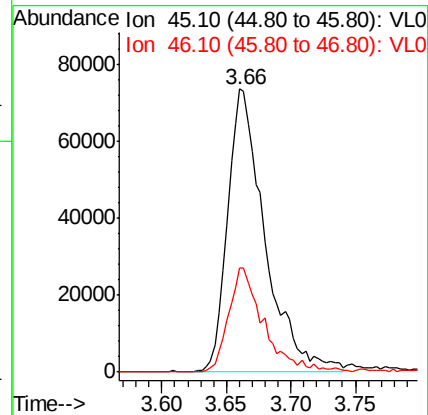
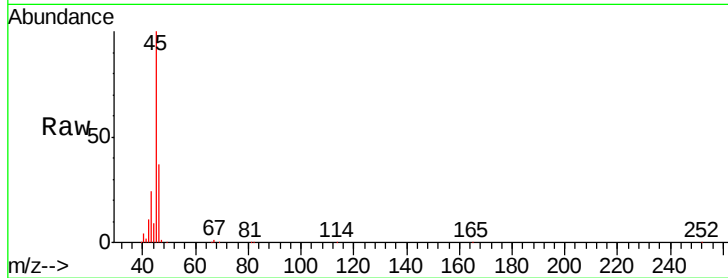
Concen: 11.14 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032816.D
Acq: 27 Nov 2018 20:50

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01DL

Tgt Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.5	57.9

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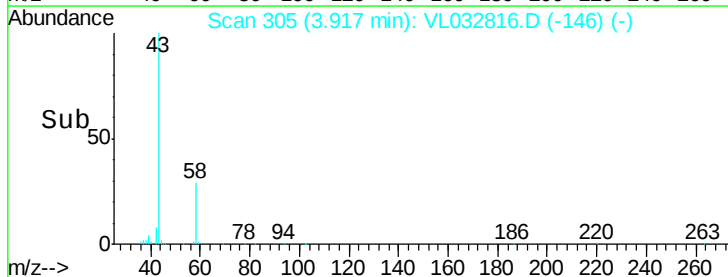
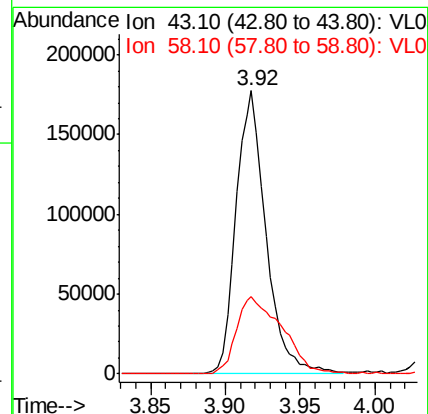
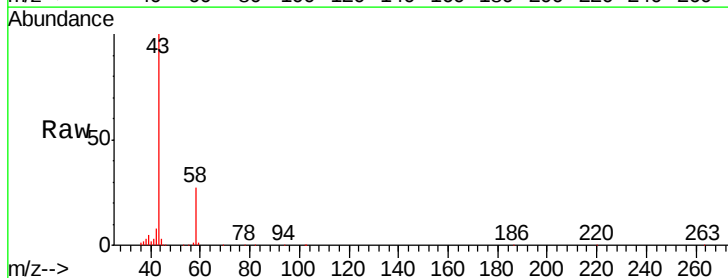


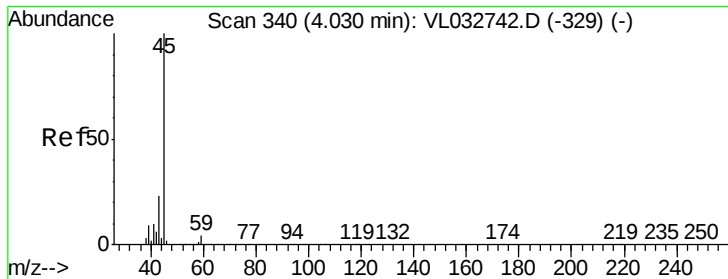
#15

Acetone

Concen: 2.11 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL032816.D
Acq: 27 Nov 2018 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.8	21.1	31.7#





#19

Isopropyl Alcohol

Concen: 1.82 ppbv m

RT: 4.05 min Scan# 346

Delta R.T. 0.02 min

Lab File: VL032816.D

Acq: 27 Nov 2018 20:50

Instrument :

MSVOA_L

ClientSampleId :

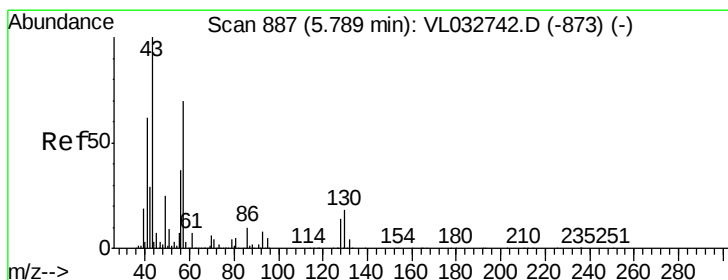
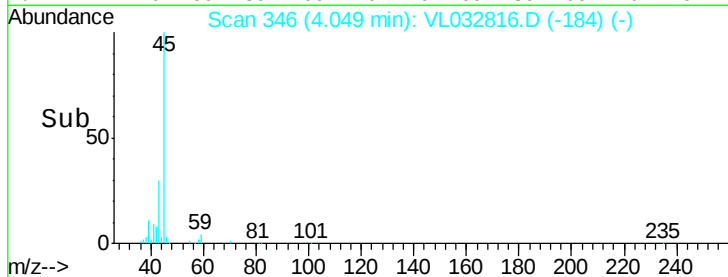
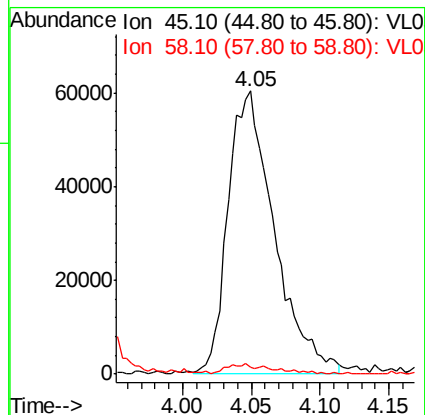
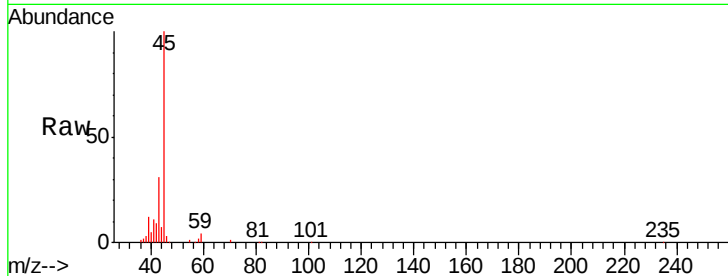
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Tgt Ion: 45 Resp: 141840

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#

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#26

Hexane

Concen: 0.11 ppbv m

RT: 5.79 min Scan# 886

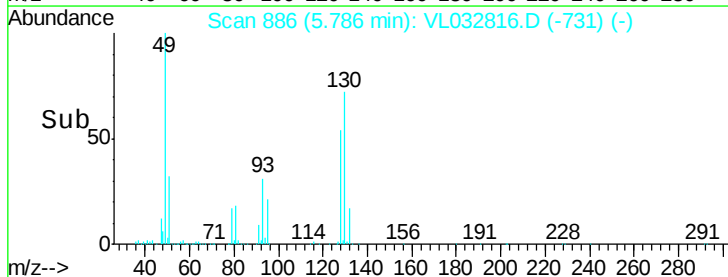
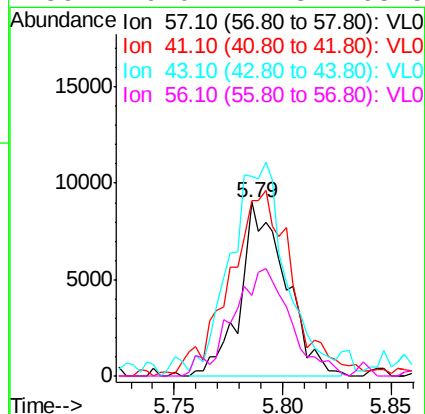
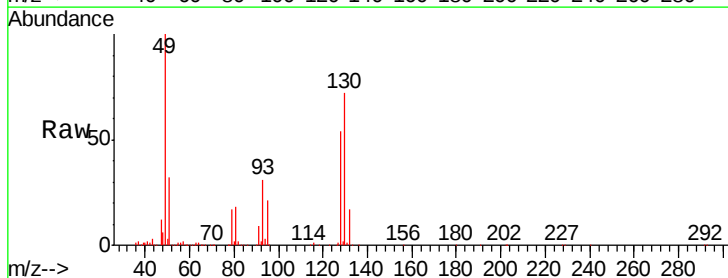
Delta R.T. -0.00 min

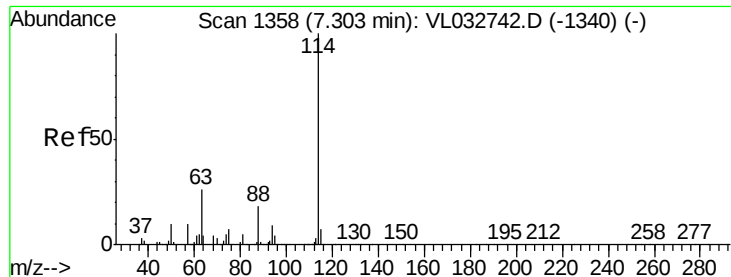
Lab File: VL032816.D

Acq: 27 Nov 2018 20:50

Tgt Ion: 57 Resp: 13219

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.3	105.5#
43	0.0	174.0	261.0#
56	0.0	42.3	63.5#





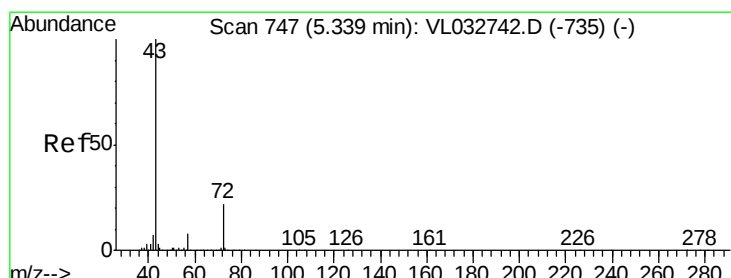
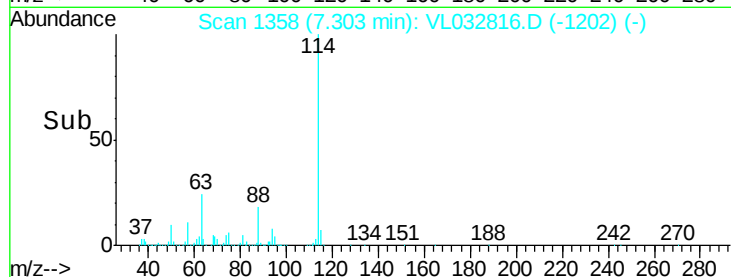
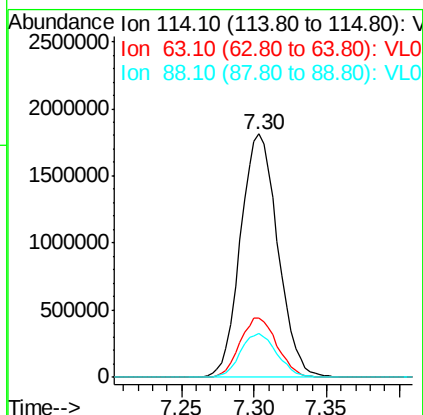
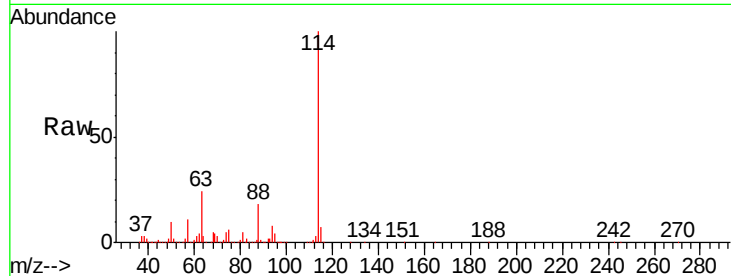
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032816.D
 Acq: 27 Nov 2018 20:50

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.9	31.3
88	17.8	14.4	21.6

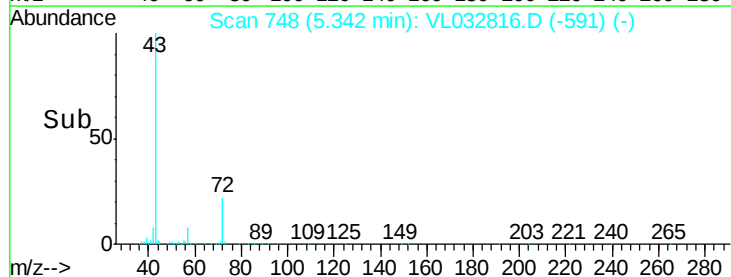
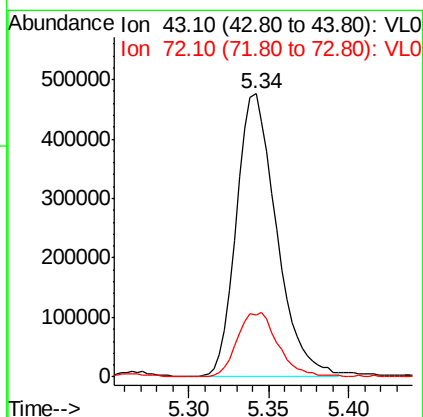
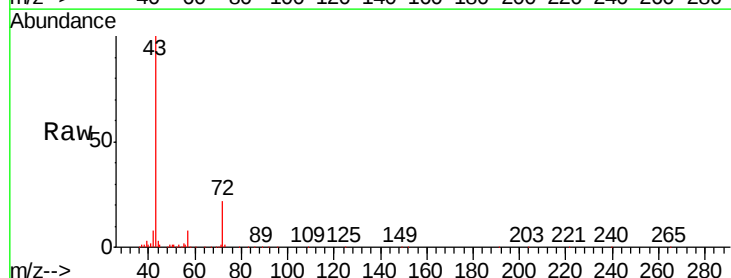
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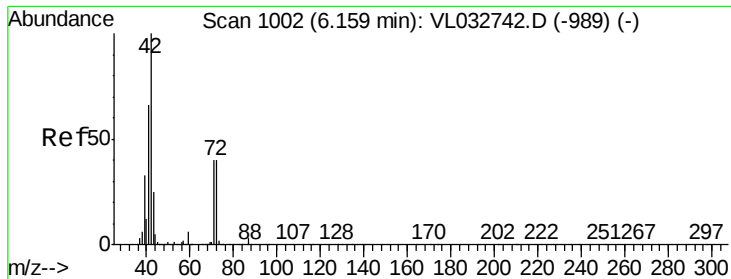
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#34
 2-Butanone
 Concen: 4.83 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: VL032816.D
 Acq: 27 Nov 2018 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6





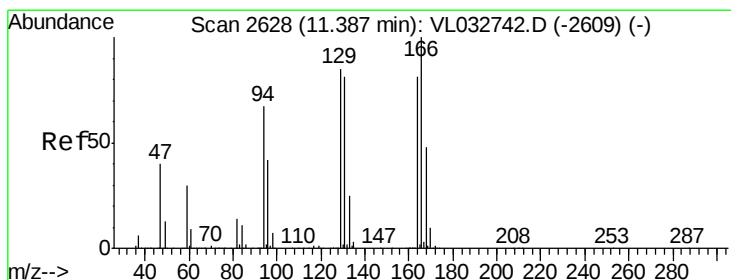
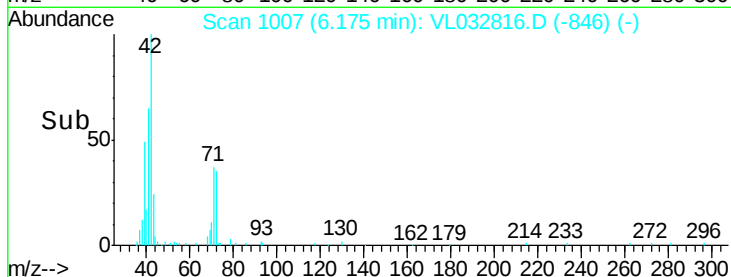
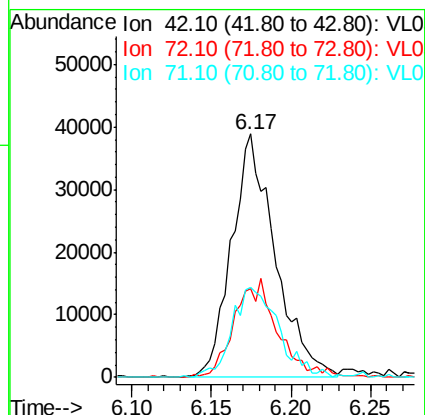
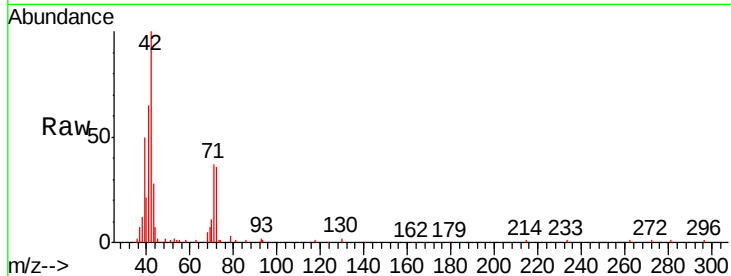
#41
Tetrahydrofuran
Concen: 0.76 ppbv m
RT: 6.17 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VL032816.D
Acq: 27 Nov 2018 20:50

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.4	48.6#
71	0.0	31.6	47.4#

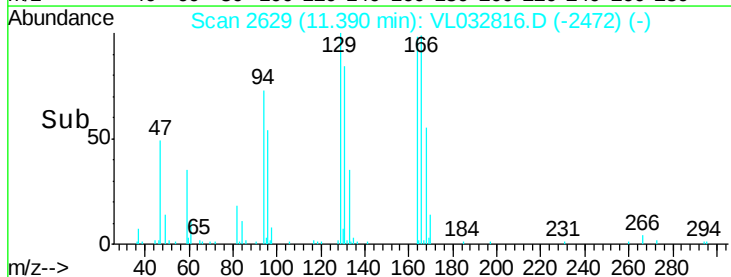
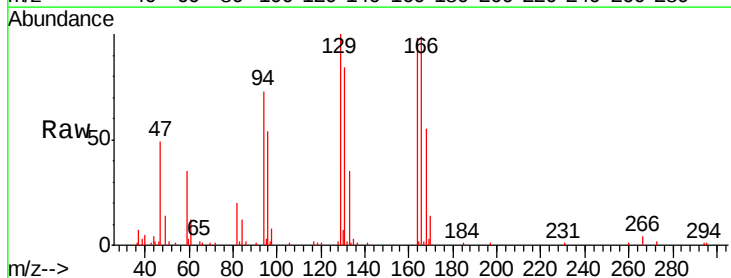
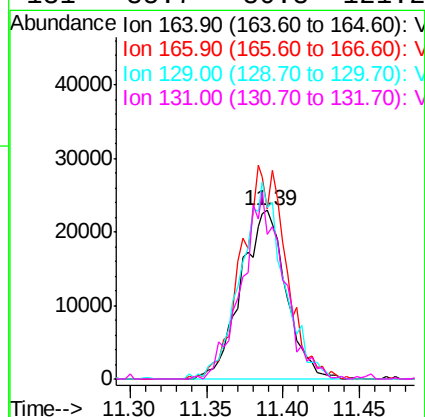
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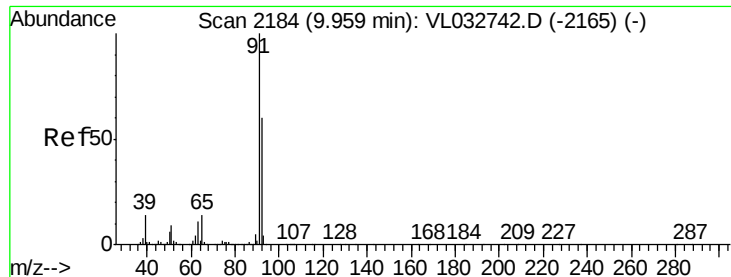
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#52
Tetrachloroethene
Concen: 0.52 ppbv m
RT: 11.39 min Scan# 2629
Delta R.T. 0.00 min
Lab File: VL032816.D
Acq: 27 Nov 2018 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	100.9	99.3	148.9
129	101.9	83.9	125.9
131	85.7	80.8	121.2





#53

Toluene

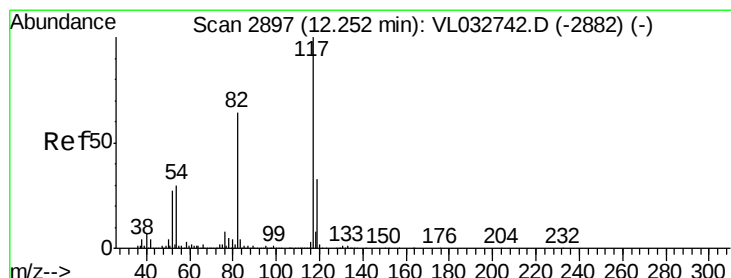
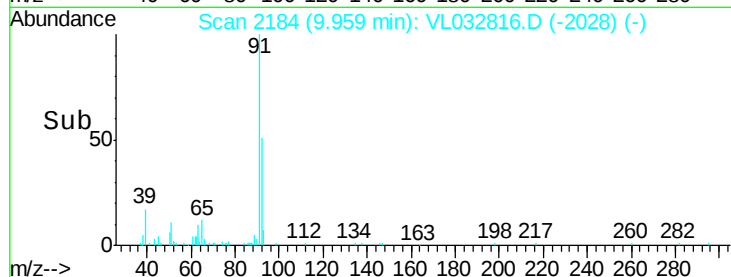
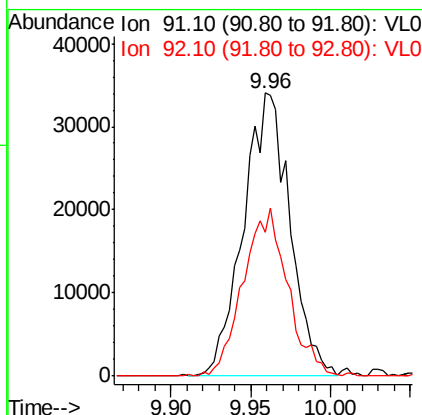
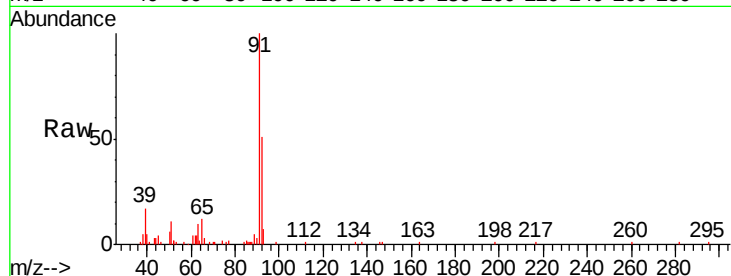
Concen: 0.26 ppbv m
RT: 9.96 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL032816.D
Acq: 27 Nov 2018 20:50

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	47.9	71.9

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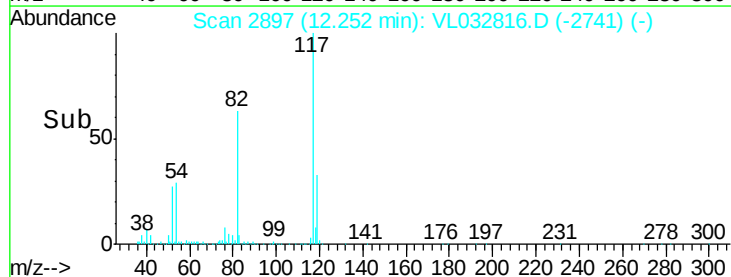
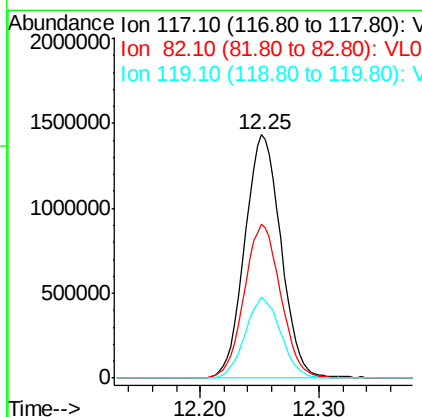
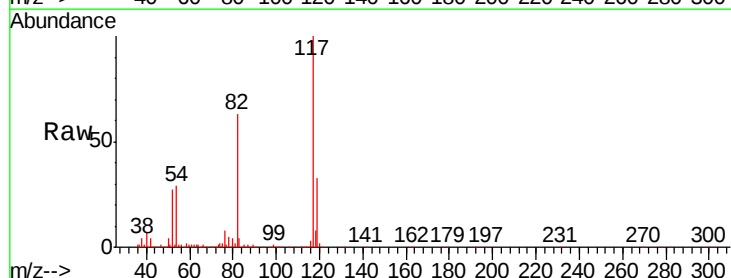


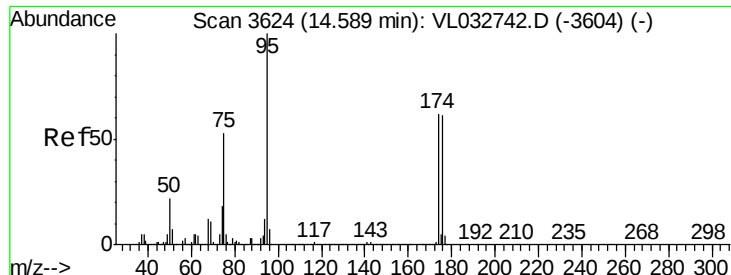
#55

Chlorobenzene-d5

Concen: 10.00 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032816.D
Acq: 27 Nov 2018 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.0	76.6
119	33.1	28.0	42.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.90 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VL032816.D
 Acq: 27 Nov 2018 20:50

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01DL

Tgt Ion: 95 Resp: 2234227
 Ion Ratio Lower Upper
 95 100
 174 65.4 50.7 76.1
 175 4.9 3.8 5.6

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