

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032819.D
 Acq On : 27 Nov 2018 22:47
 Operator : SY/AP
 Sample : J6046-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-03DL

Manual Integrations
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 11/28/2018 4:21:32 PM

Quant Time: Nov 28 15:55:48 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	1212139	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3177439	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2945310	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2147643	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	18764	0.11	ppbv	93
3) Chlorodifluoromethane	3.02	51	1260142	13.11	ppbv	99
9) Propene	3.05	41	100411	2.61	ppbv	98
11) Trichlorofluoromethane	4.01	101	118644	0.72	ppbv	98
13) Ethanol	3.66	45	151294m	12.01	ppbv	
15) Acetone	3.91	43	377863	3.41	ppbv #	65
19) Isopropyl Alcohol	4.07	45	118078m	1.60	ppbv	
34) 2-Butanone	5.34	43	1447472	8.78	ppbv	100
41) Tetrahydrofuran	6.18	42	32776	0.35	ppbv	100
52) Tetrachloroethene	11.39	164	145132	1.65	ppbv	96
53) Toluene	9.96	91	56188m	0.21	ppbv	

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

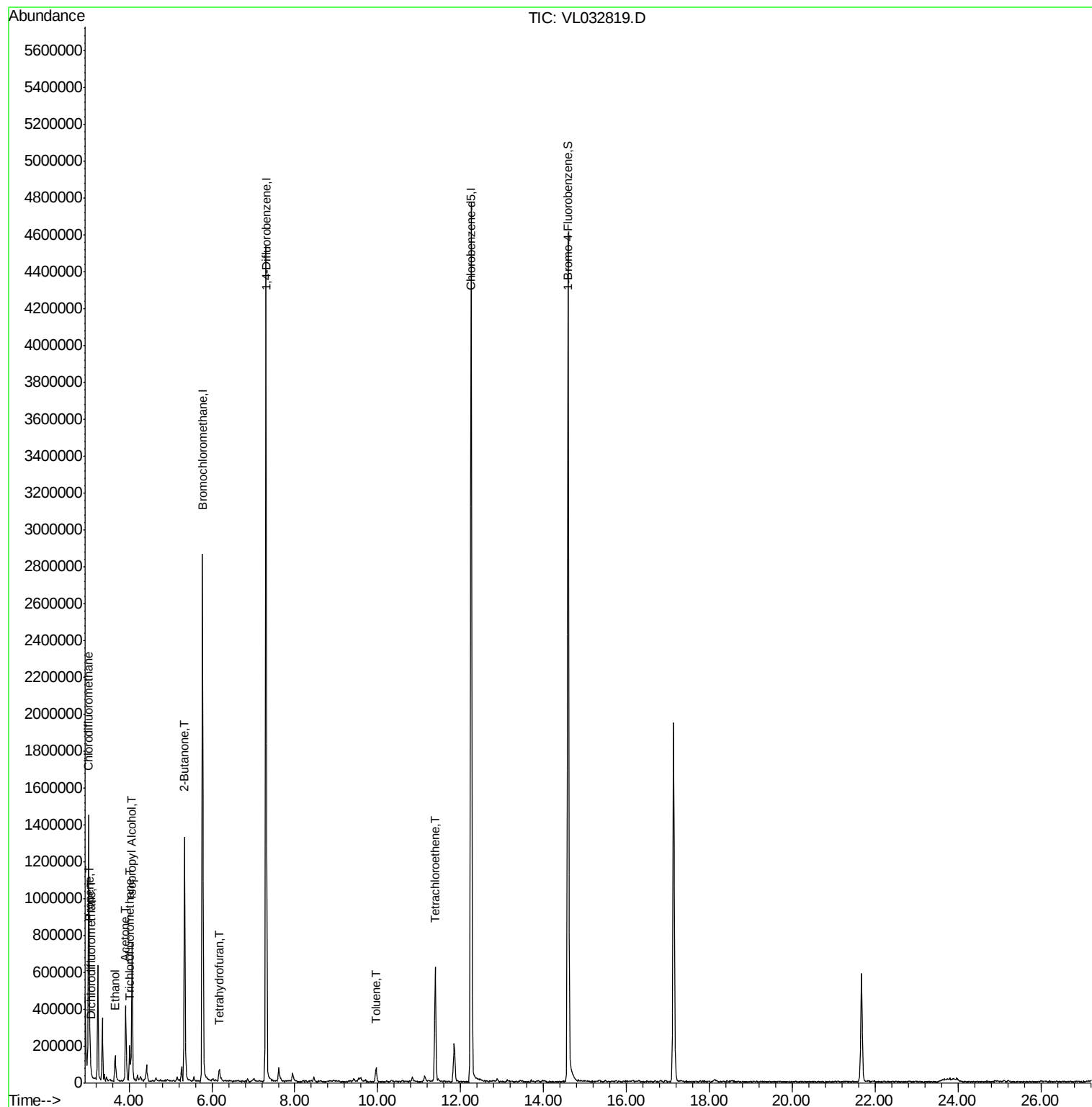
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
Data File : VL032819.D
Acq On : 27 Nov 2018 22:47
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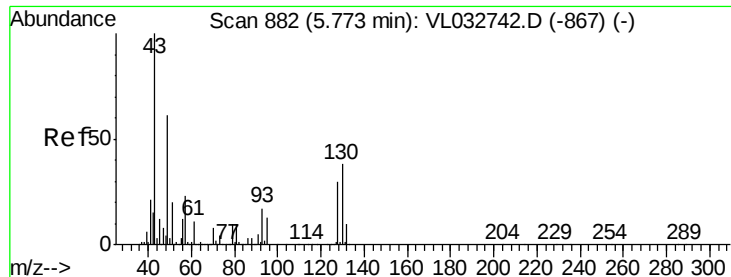
Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-03DL

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Quant Time: Nov 28 15:55:48 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

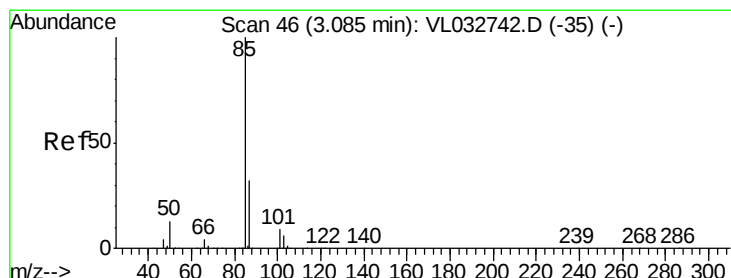
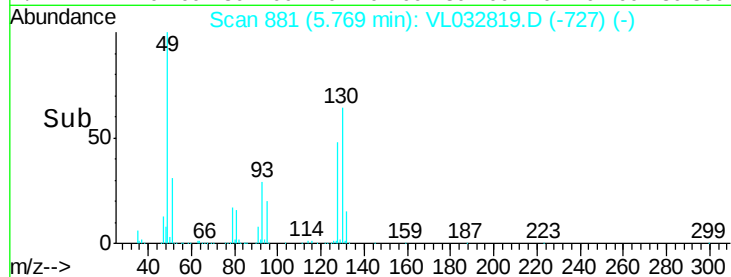
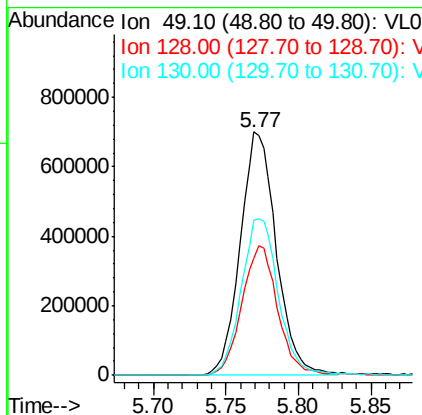
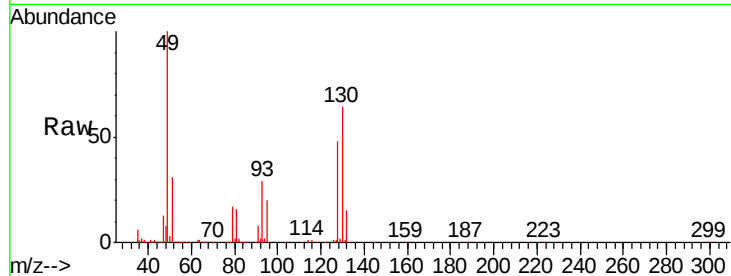
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032819.D
Acq: 27 Nov 2018 22:47

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-03DL

Tgt Ion	Ratio	Lower	Upper
49	100		
128	53.2	24.9	74.6
130	67.2	31.4	94.2

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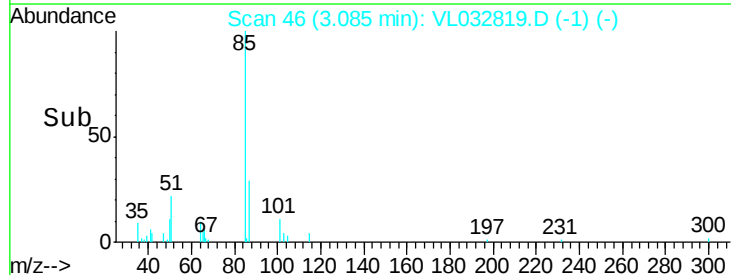
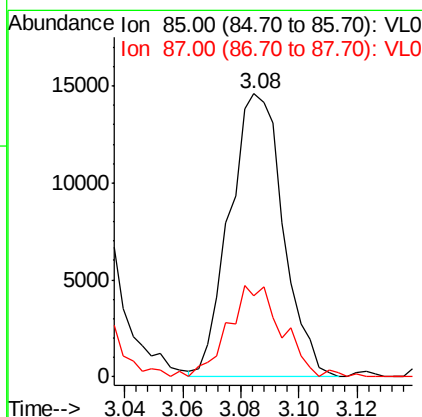
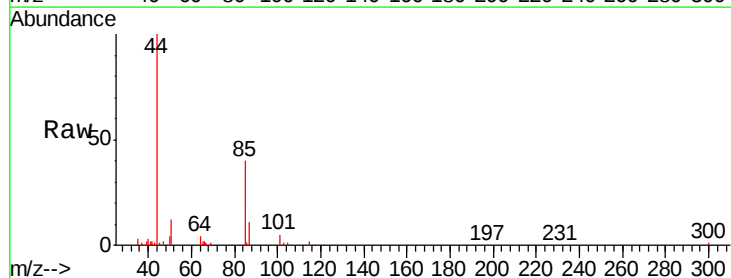
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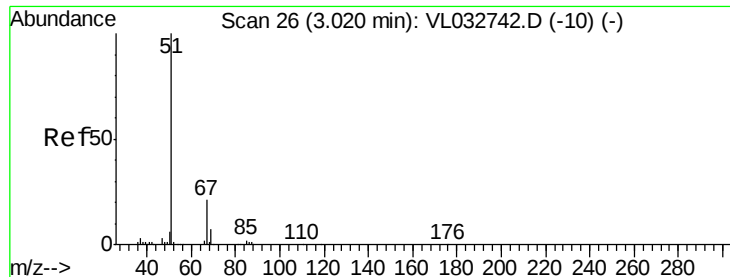


#2

Dichlorodifluoromethane
Concen: 0.11 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032819.D
Acq: 27 Nov 2018 22:47

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.5	26.0	39.0





#3

Chlorodifluoromethane

Concen: 13.11 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL032819.D

Acq: 27 Nov 2018 22:47

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-03DL

Tgt Ion: 51 Resp: 1260142

Ion Ratio Lower Upper

51 100

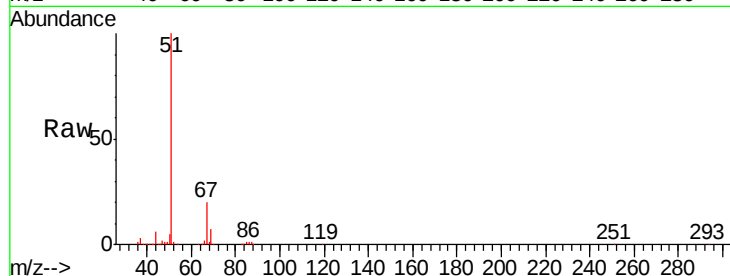
67 19.6 16.1 24.1

Manual Integrations

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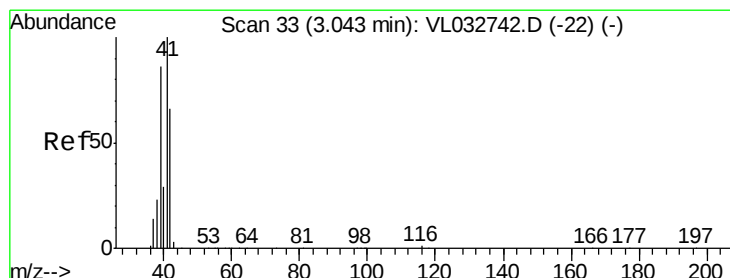
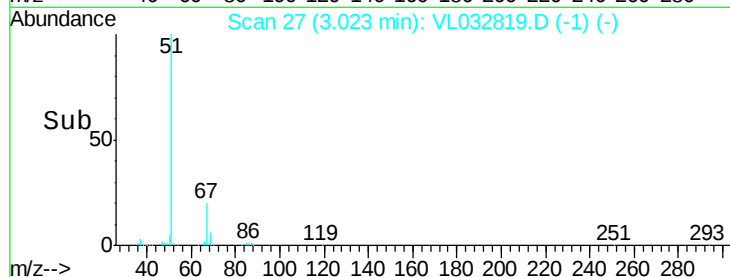
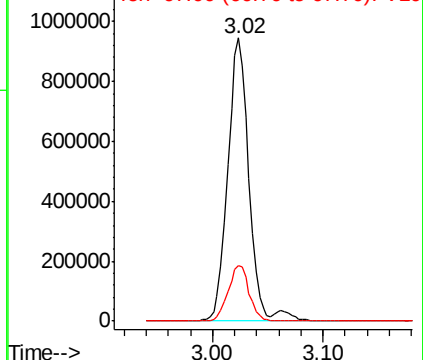
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 2.61 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032819.D

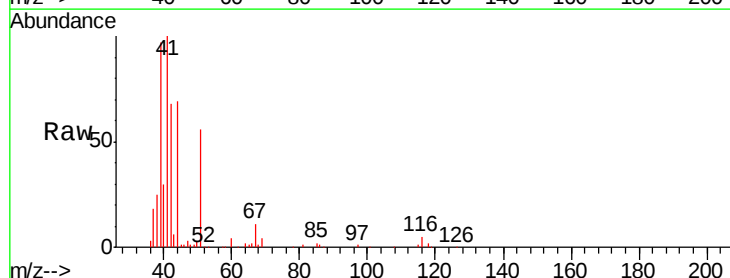
Acq: 27 Nov 2018 22:47

Tgt Ion: 41 Resp: 100411

Ion Ratio Lower Upper

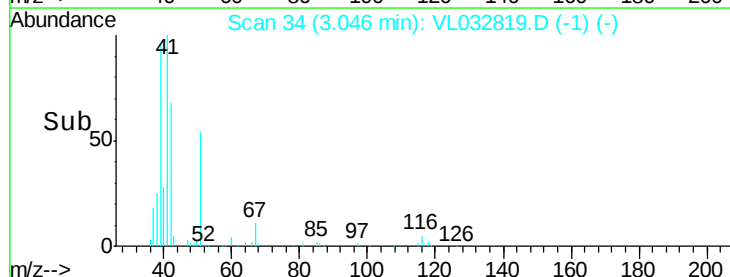
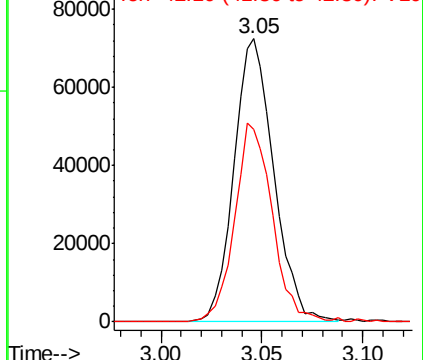
41 100

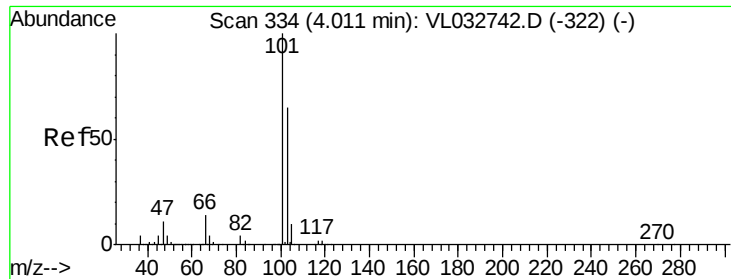
42 66.9 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





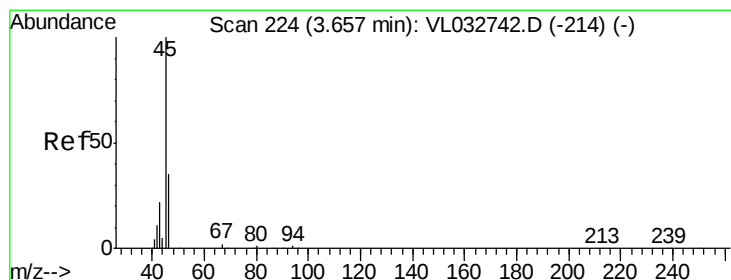
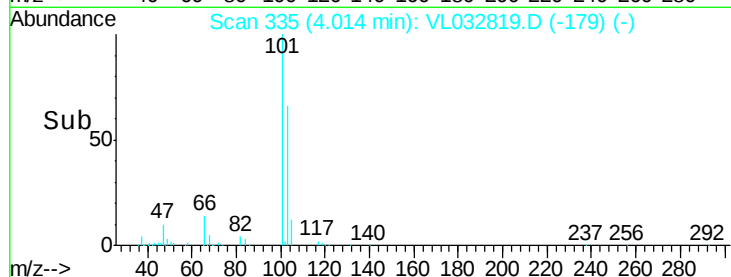
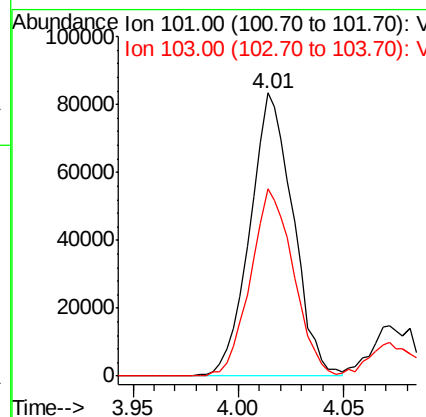
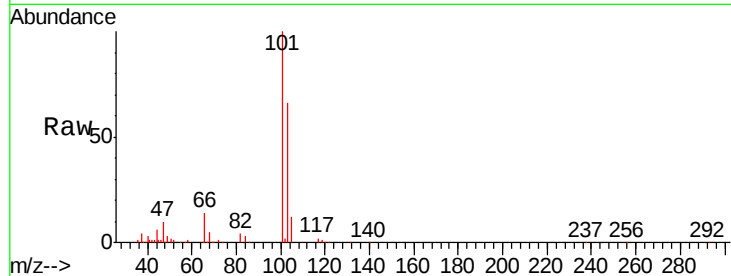
#11
Trichlorofluoromethane
Concen: 0.72 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032819.D
Acq: 27 Nov 2018 22:47

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-03DL

Tgt Ion: 101 Resp: 118644
Ion Ratio Lower Upper
101 100
103 66.1 51.6 77.4

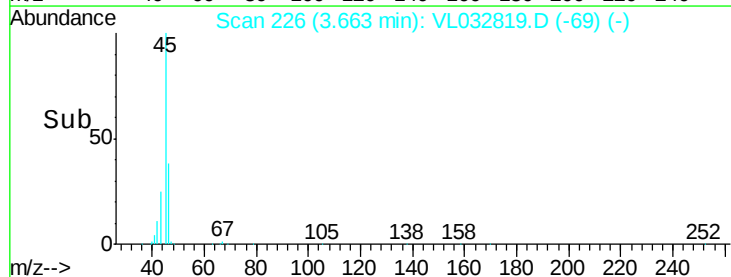
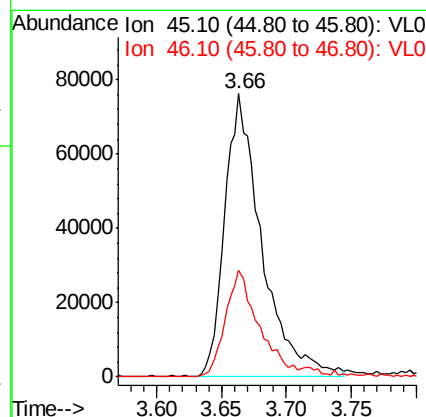
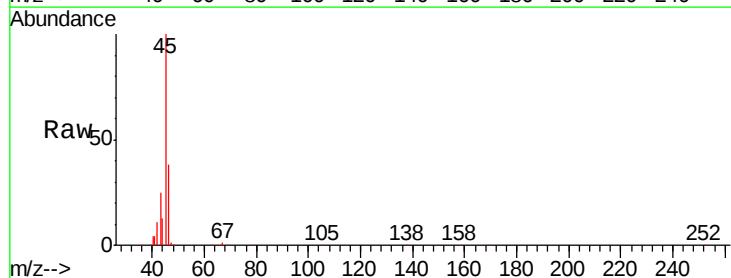
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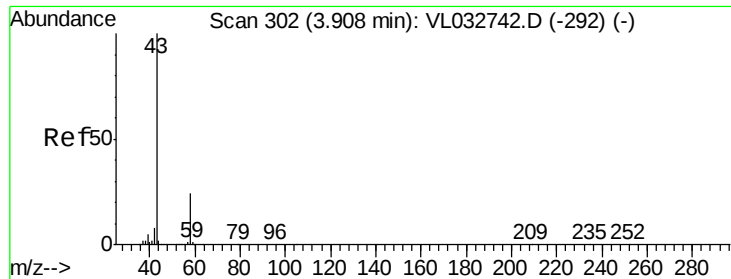
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#13
Ethanol
Concen: 12.01 ppbv m
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032819.D
Acq: 27 Nov 2018 22:47

Tgt Ion: 45 Resp: 151294
Ion Ratio Lower Upper
45 100
46 36.1 14.5 57.9





#15

Acetone

Concen: 3.41 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL032819.D

Acq: 27 Nov 2018 22:47

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-03DL

Tgt Ion: 43 Resp: 377863

Ion Ratio Lower Upper

43 100

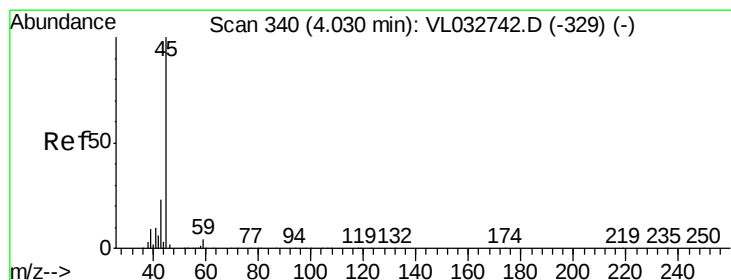
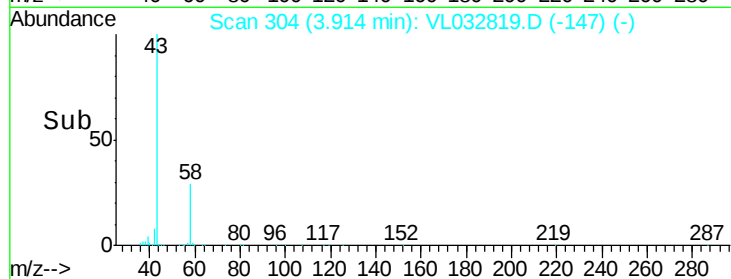
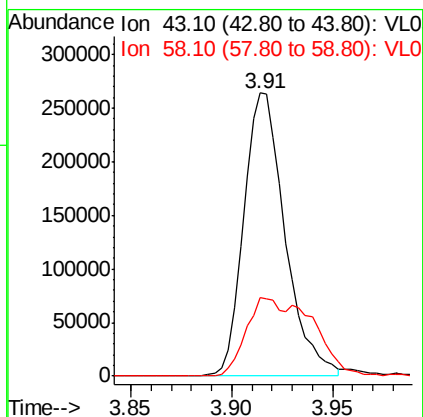
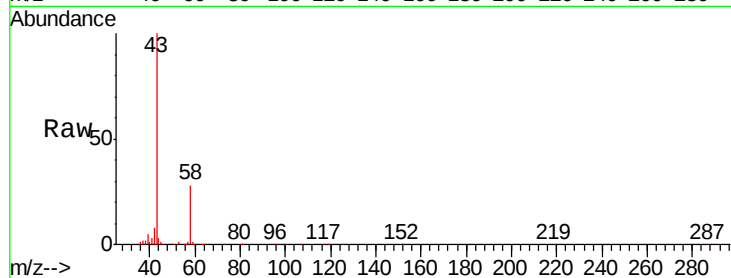
58 44.4 21.1 31.7#

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#19

Isopropyl Alcohol

Concen: 1.60 ppbv m

RT: 4.07 min Scan# 351

Delta R.T. 0.04 min

Lab File: VL032819.D

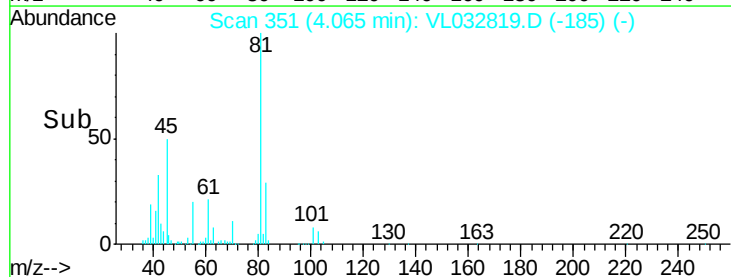
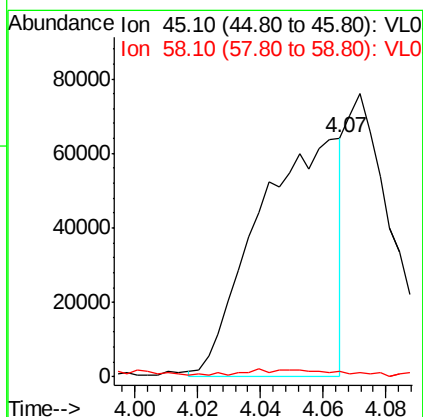
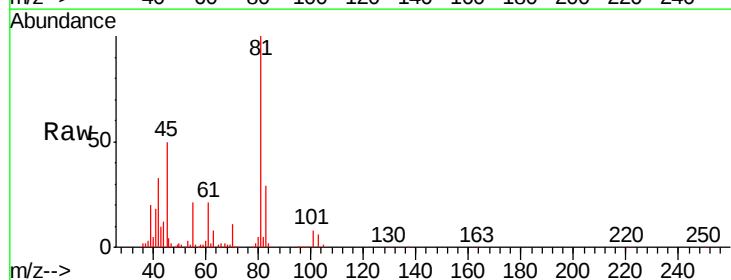
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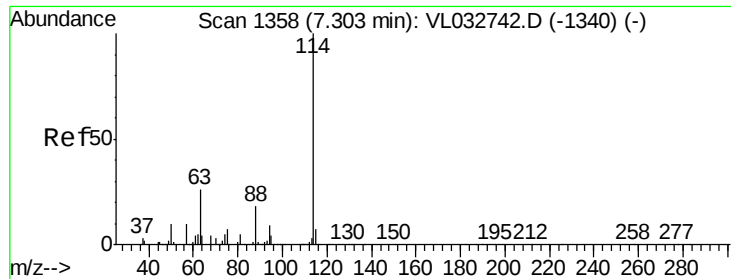
Tgt Ion: 45 Resp: 118078

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#





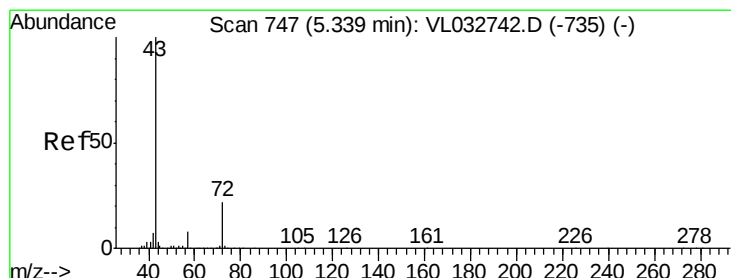
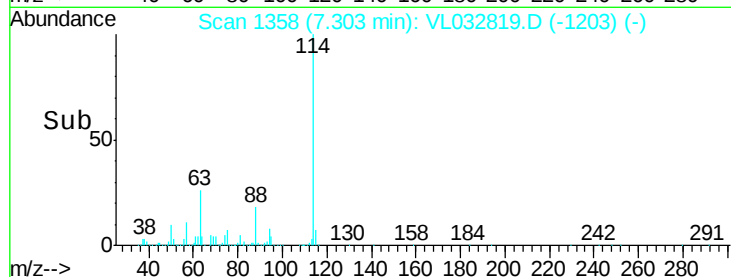
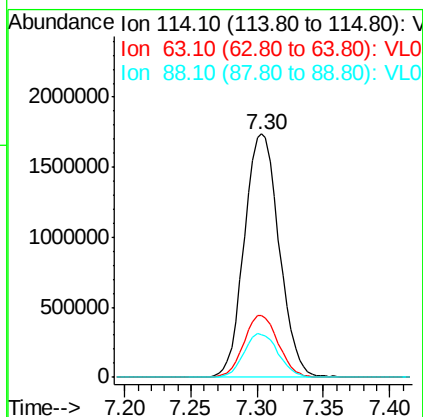
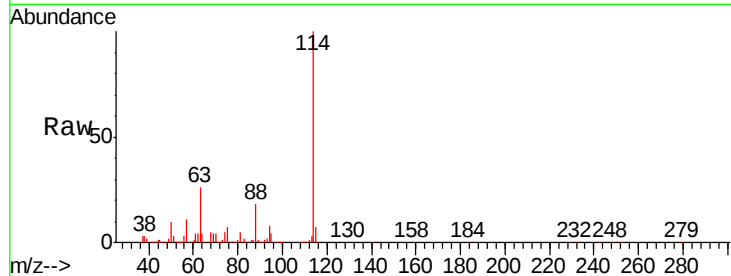
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL032819.D
 Acq: 27 Nov 2018 22:47

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-03DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.9	31.3
88	17.7	14.4	21.6

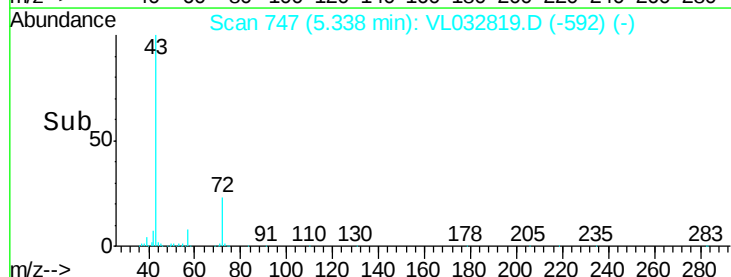
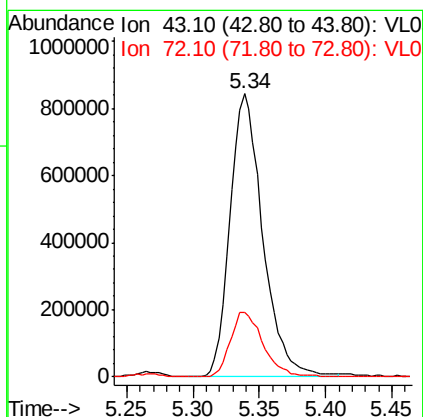
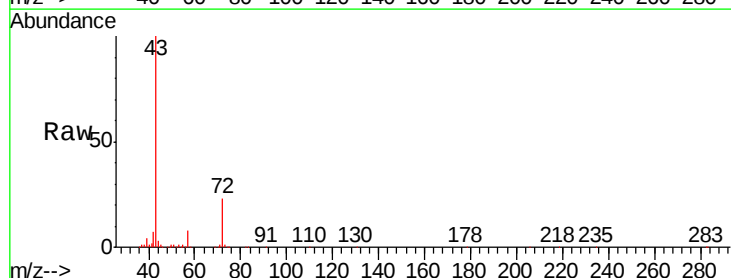
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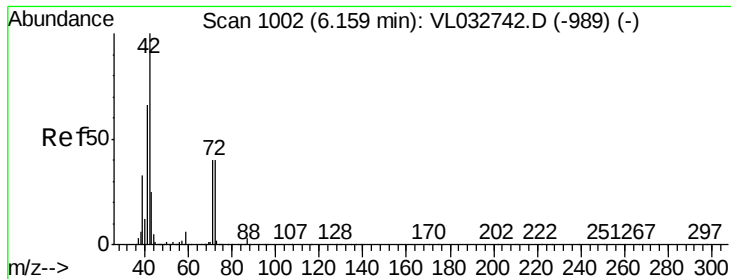
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#34
 2-Butanone
 Concen: 8.78 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL032819.D
 Acq: 27 Nov 2018 22:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6





#41

Tetrahydrofuran

Concen: 0.35 ppbv

RT: 6.18 min Scan# 1008

Delta R.T. 0.02 min

Lab File: VL032819.D

Acq: 27 Nov 2018 22:47

Instrument :

MSVOA_L

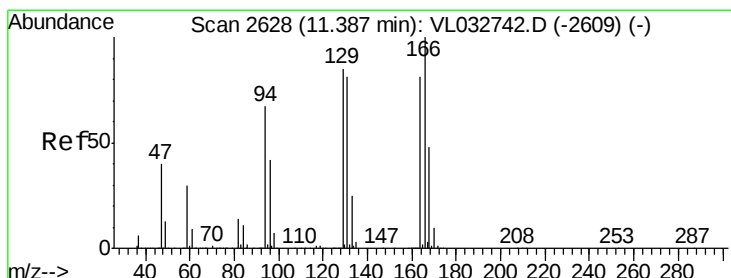
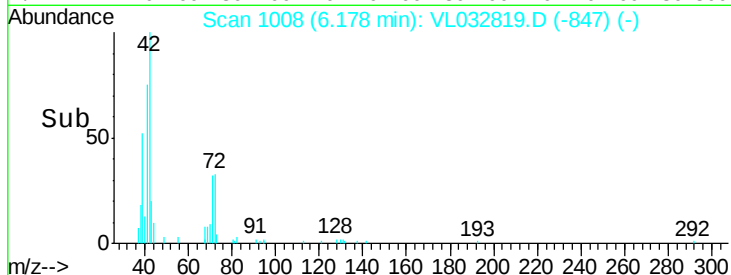
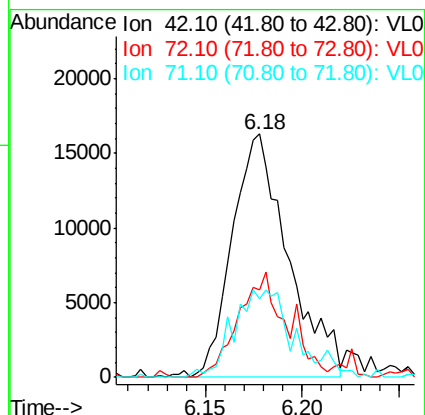
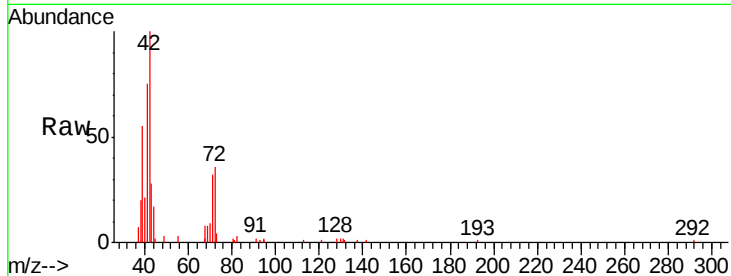
ClientSampleId :

EP2-SV-03DL

Tgt Ion:	42	Resp:	32776
Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.4	48.6
71	39.1	31.6	47.4

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#52

Tetrachloroethene

Concen: 1.65 ppbv

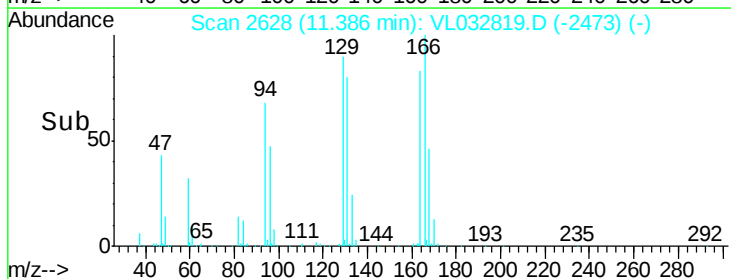
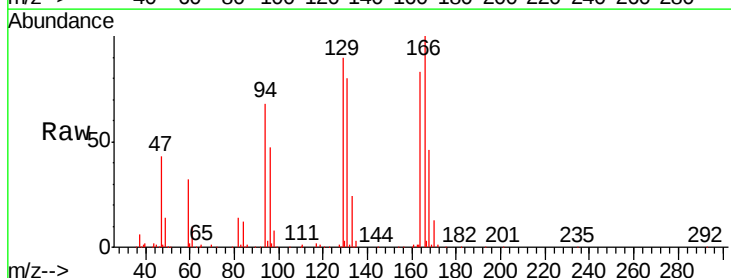
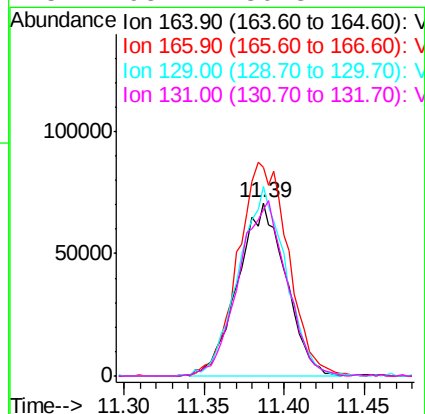
RT: 11.39 min Scan# 2628

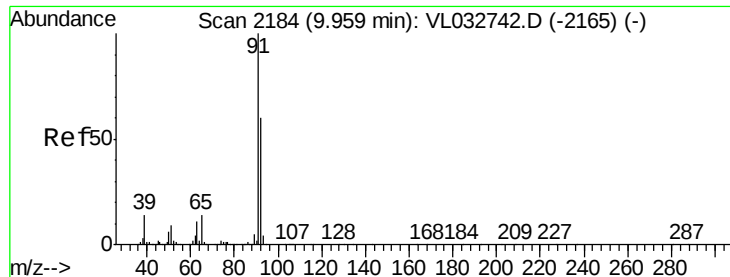
Delta R.T. -0.00 min

Lab File: VL032819.D

Acq: 27 Nov 2018 22:47

Tgt Ion:	164	Resp:	145132
Ion	Ratio	Lower	Upper
164	100		
166	120.3	99.3	148.9
129	108.5	83.9	125.9
131	95.7	80.8	121.2





#53

Toluene

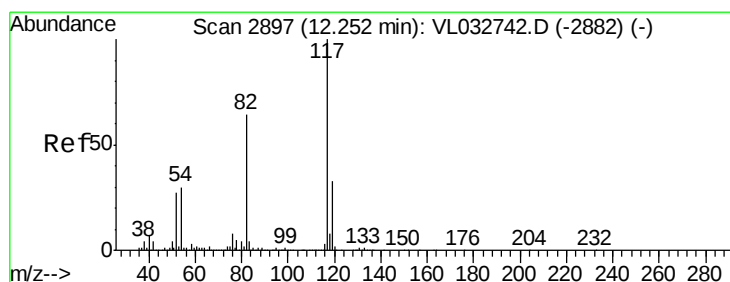
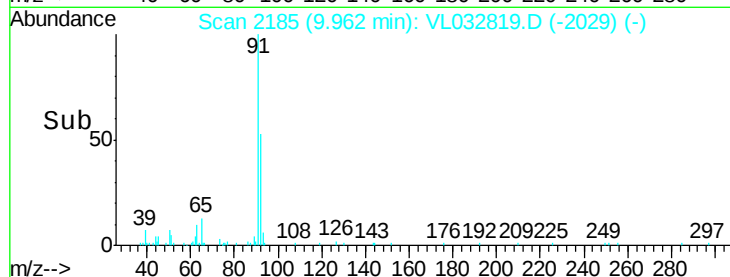
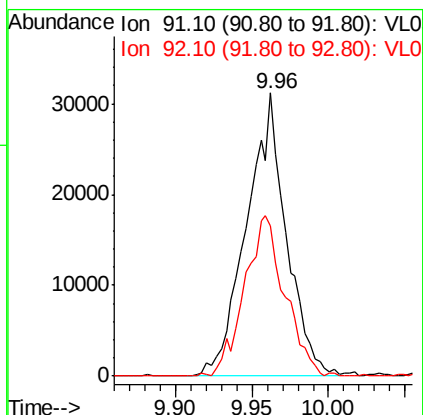
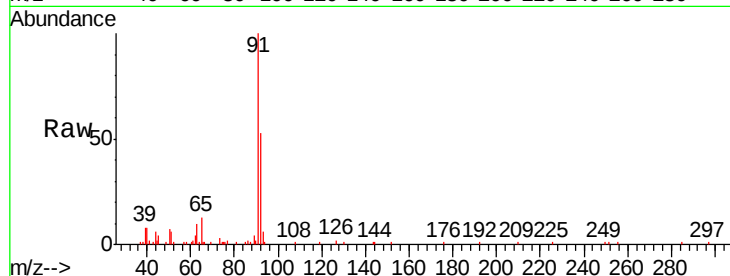
Concen: 0.21 ppbv m
RT: 9.96 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VL032819.D
Acq: 27 Nov 2018 22:47

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-03DL

Tgt Ion: 91 Resp: 56188
Ion Ratio Lower Upper
91 100
92 57.8 47.9 71.9

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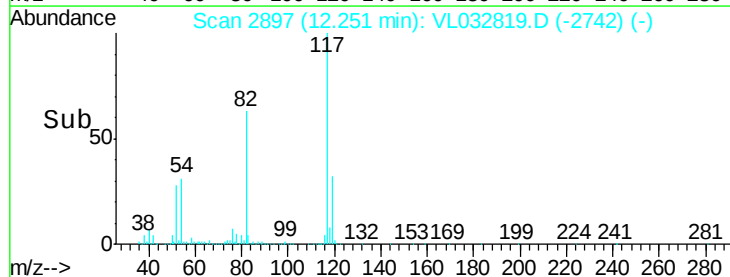
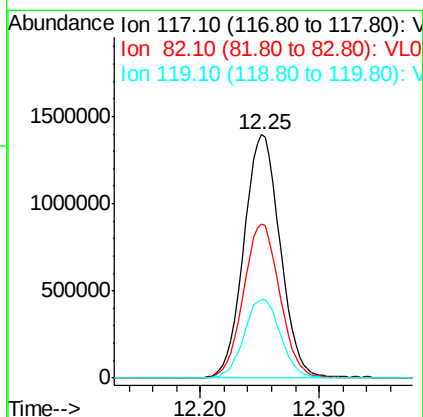
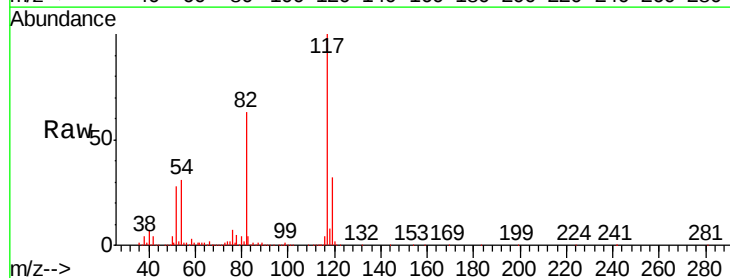


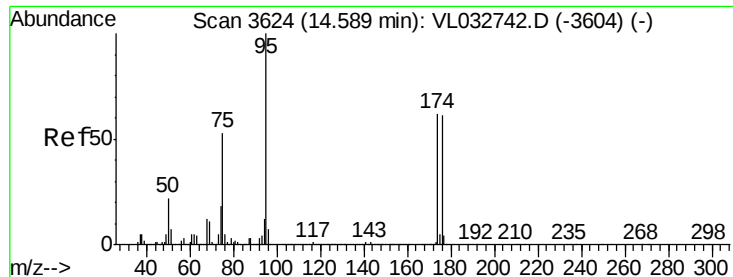
#55

Chlorobenzene-d5

Concen: 10.00 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032819.D
Acq: 27 Nov 2018 22:47

Tgt Ion: 117 Resp: 2945310
Ion Ratio Lower Upper
117 100
82 64.3 51.0 76.6
119 32.8 28.0 42.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.75 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL032819.D
 Acq: 27 Nov 2018 22:47

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-03DL

Tgt Ion: 95 Resp: 2147643
 Ion Ratio Lower Upper
 95 100
 174 65.8 50.7 76.1
 175 4.8 3.8 5.6

Manual Integrations
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