

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033758.D
 Acq On : 23 May 2019 00:01
 Operator : SY/AP
 Sample : K2929-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-55DL

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:51:17 AM

Quant Time: May 23 06:01:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	938382	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2237408	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2194226	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1817256	10.22	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	188726	4.128	ppbv	90
13) Ethanol	3.66	45	39760m	2.691	ppbv	
15) Acetone	3.90	43	413411	3.175	ppbv	94
17) tert-Butyl alcohol	4.38	59	11023m	0.105	ppbv	
19) Isopropyl Alcohol	4.04	45	12559m	0.150	ppbv	
26) Hexane	5.78	57	9492m	0.097	ppbv	
34) 2-Butanone	5.33	43	64736	0.467	ppbv	95
53) Toluene	9.94	91	53353m	0.243	ppbv	

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

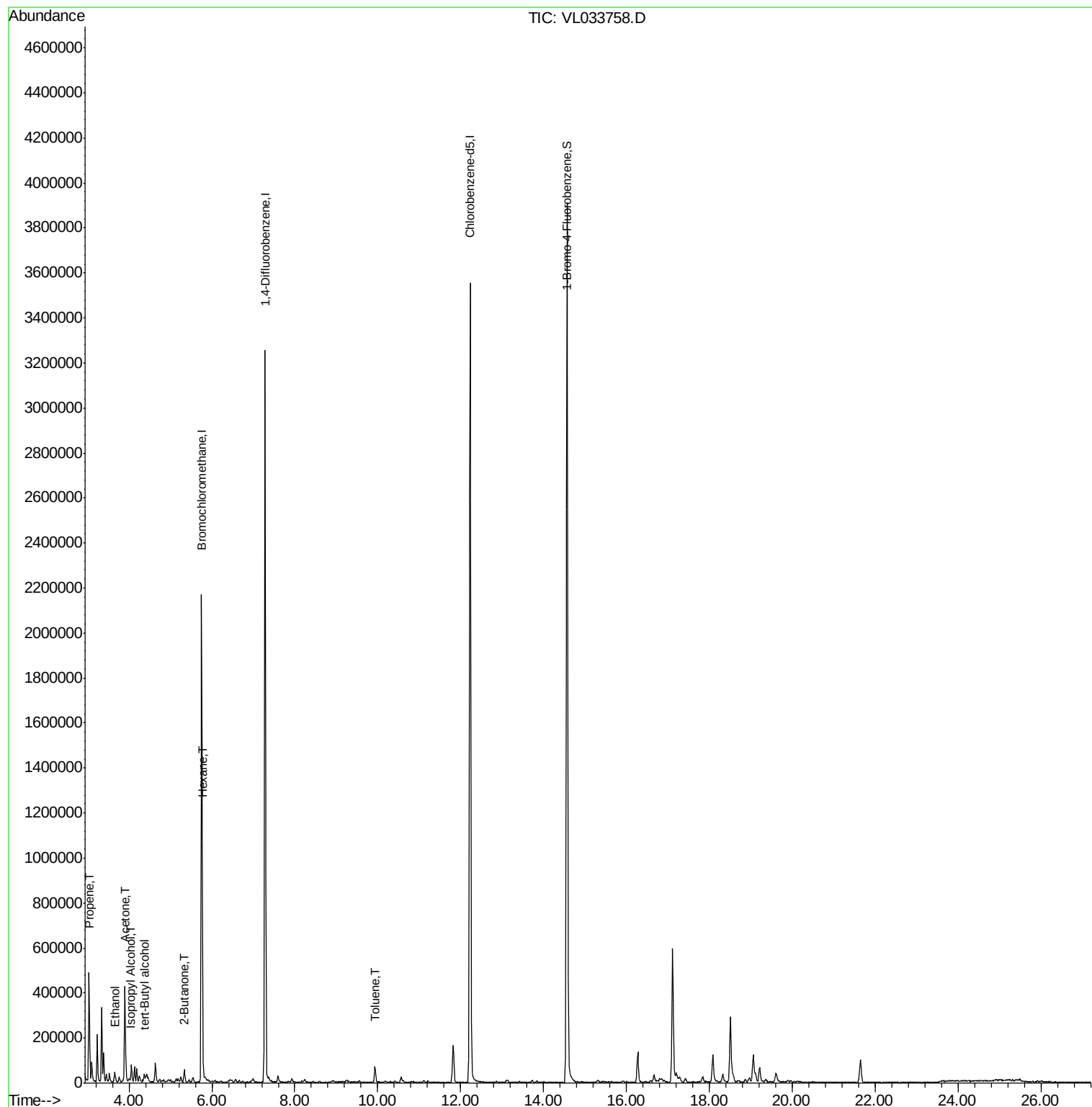
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033758.D
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Operator : SY/AP
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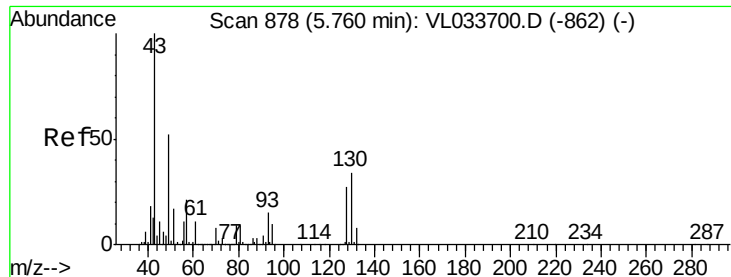
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

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Quant Time: May 23 06:01:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033758.D

Acq: 23 May 2019 00:01

Instrument :

MSVOA_L

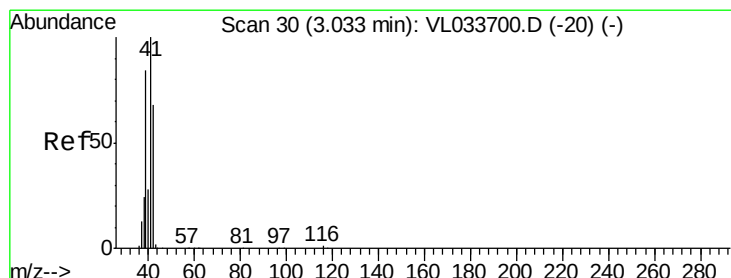
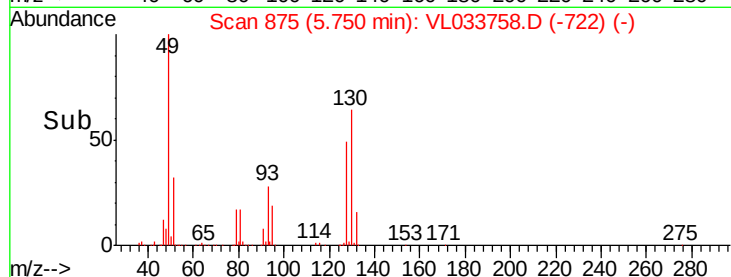
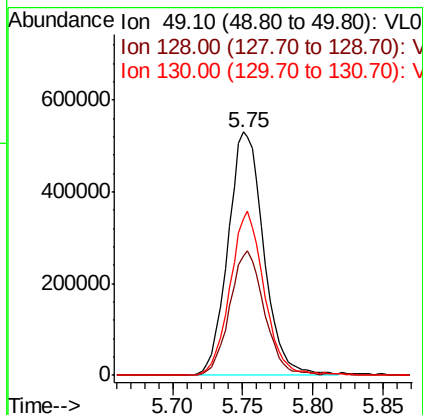
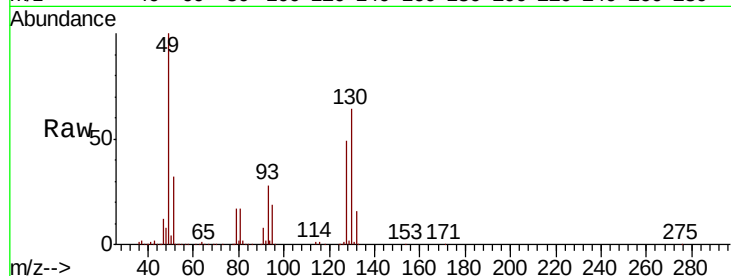
ClientSampleId :

BPS1-SG-3005-55DL

Tot Ion:	49	Resp:	938382
Ion	Ratio	Lower	Upper
49	100		
128	50.1	25.2	75.6
130	65.0	32.5	97.5

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#9

Propene

Concen: 4.128 ppbv

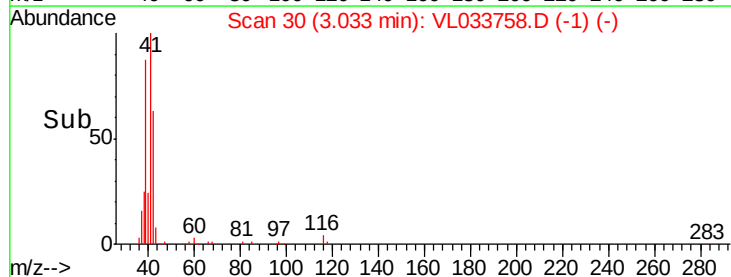
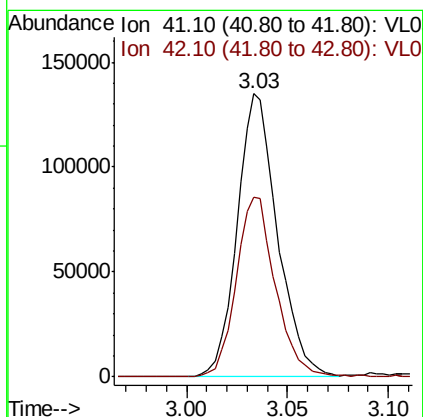
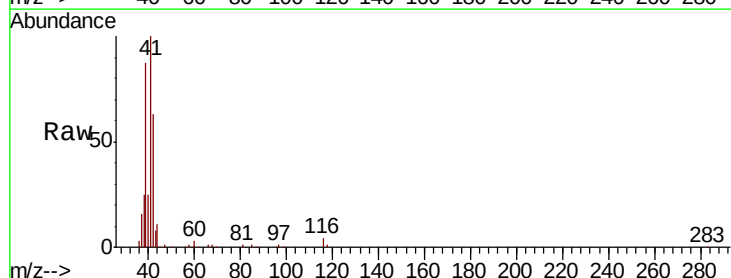
RT: 3.03 min Scan# 30

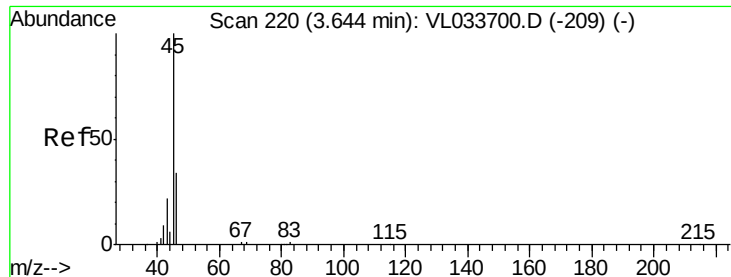
Delta R.T. 0.00 min

Lab File: VL033758.D

Acq: 23 May 2019 00:01

Tgt Ion:	41	Resp:	188726
Ion	Ratio	Lower	Upper
41	100		
42	62.2	56.1	84.1





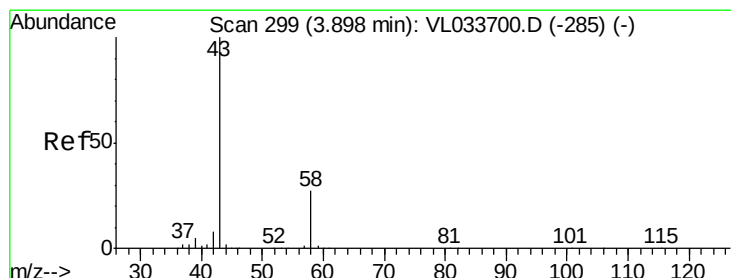
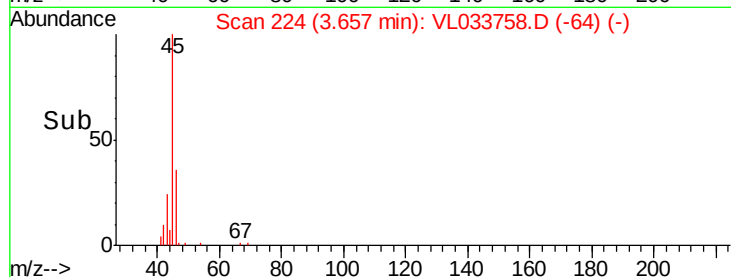
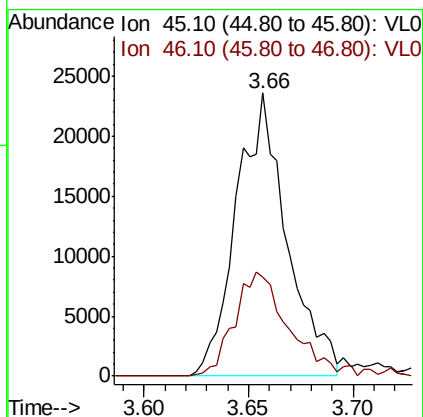
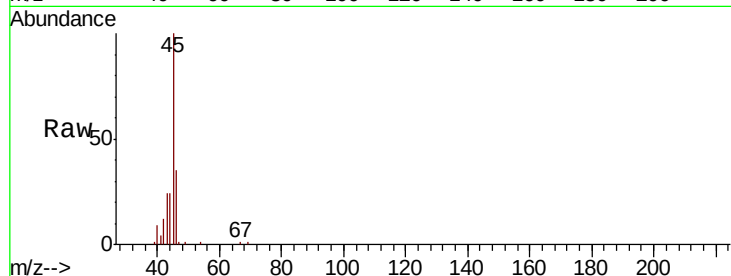
#13
Ethanol
Concen: 2.691 ppbv m
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033758.D
Acq: 23 May 2019 00:01

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.8	59.0#

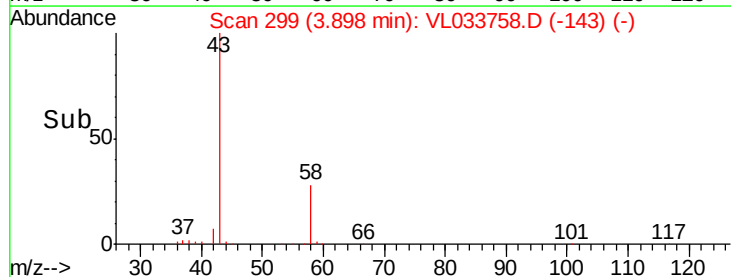
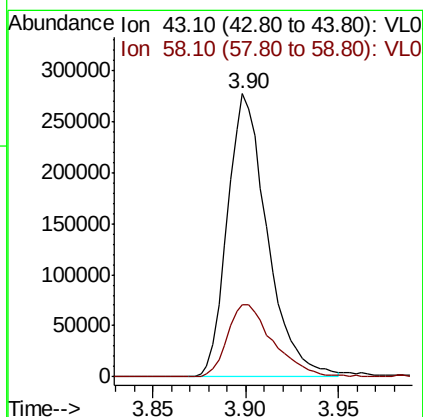
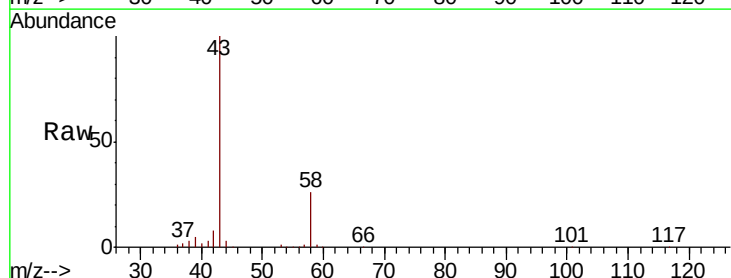
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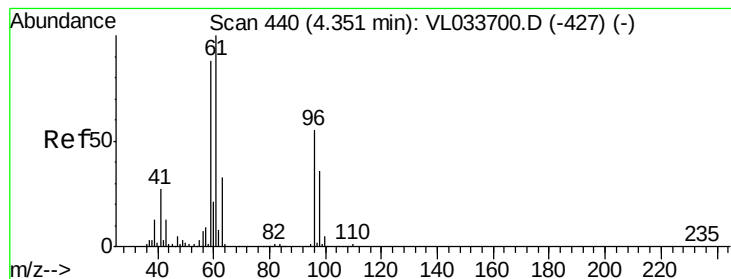
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#15
Acetone
Concen: 3.175 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033758.D
Acq: 23 May 2019 00:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	21.3	31.9





#17

tert-Butyl alcohol

Concen: 0.105 ppbv m

RT: 4.38 min Scan# 448

Delta R.T. 0.03 min

Lab File: VL033758.D

Acq: 23 May 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55DL

Tot Ion: 59 Resp: 11023

Ion Ratio Lower Upper

59 100

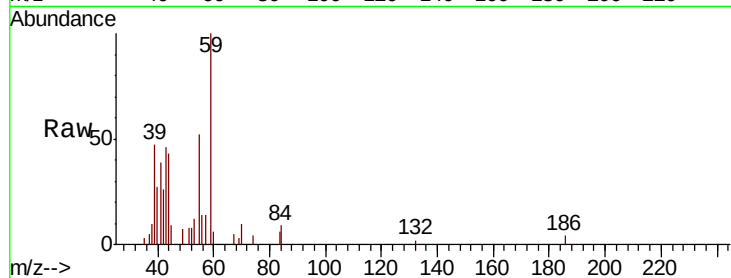
57 11.2 8.4 12.6

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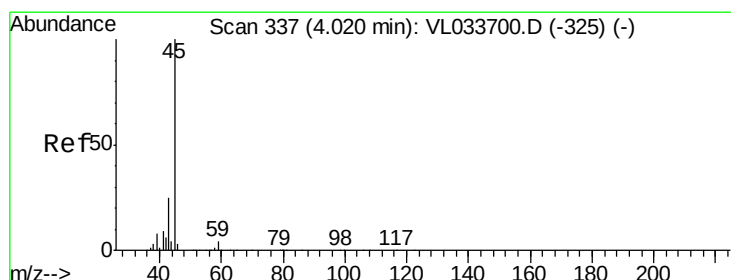
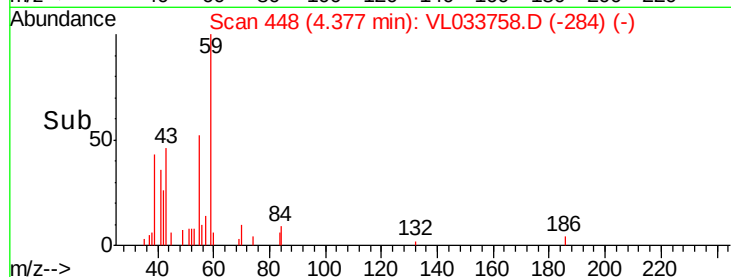
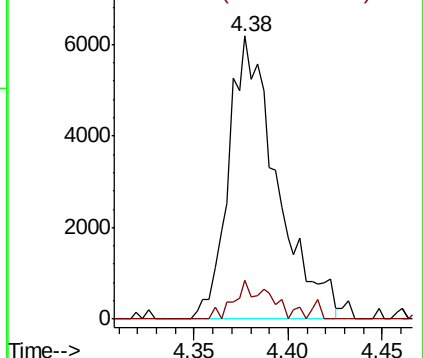
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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.150 ppbv m

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033758.D

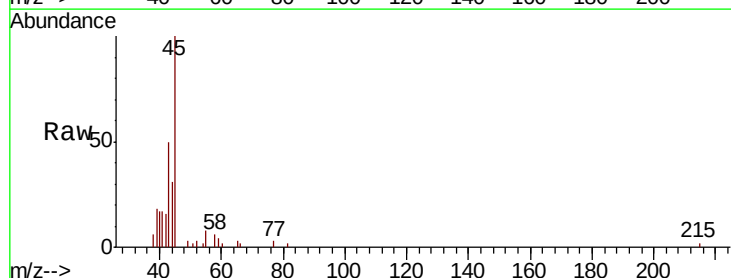
Acq: 23 May 2019 00:01

Tgt Ion: 45 Resp: 12559

Ion Ratio Lower Upper

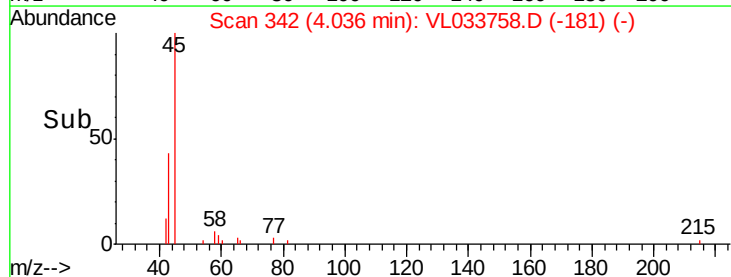
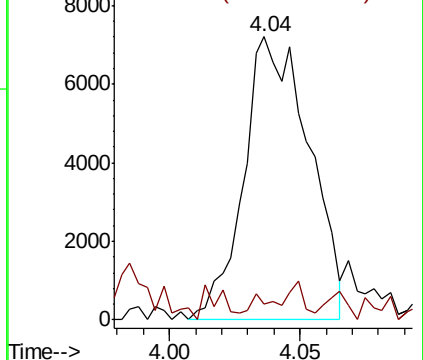
45 100

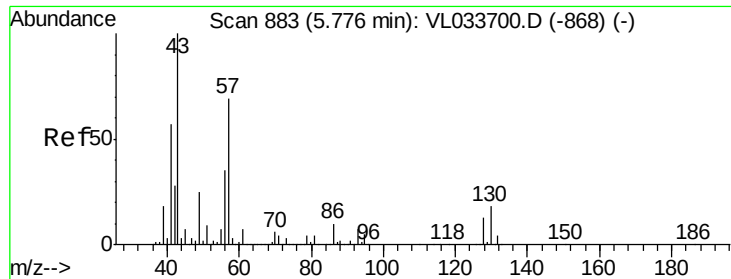
58 0.0 1.6 2.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#26

Hexane

Concen: 0.097 ppbv m

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033758.D

Acq: 23 May 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

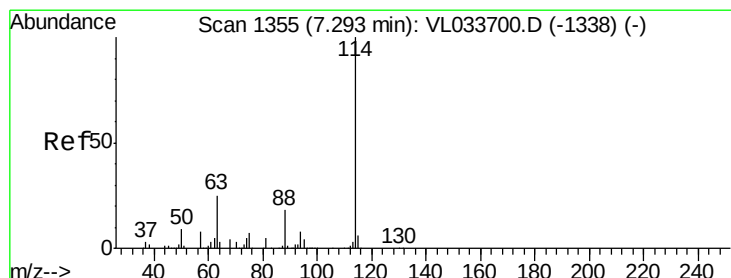
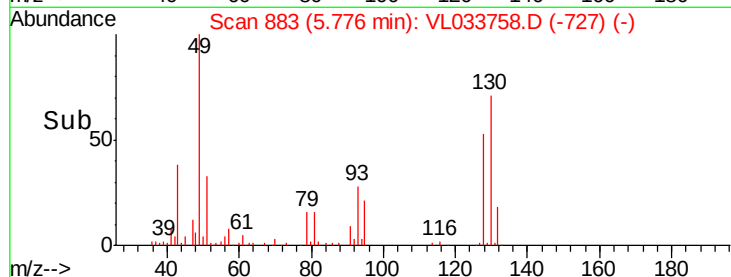
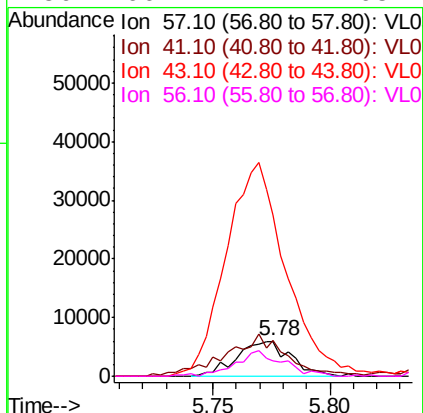
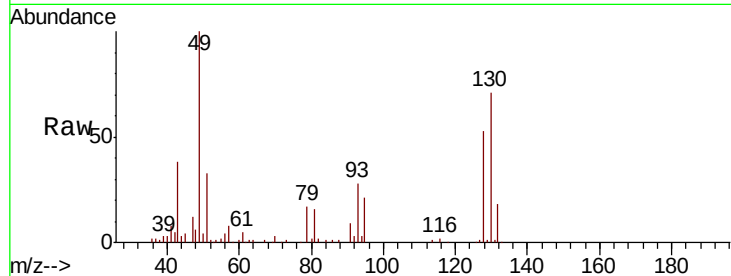
BPS1-SG-3005-55DL

Tot Ion: 57 Resp: 9492

Ion	Ratio	Lower	Upper
57	100		
41	139.2	69.8	104.6#
43	694.1	181.8	272.6#
56	66.7	42.1	63.1#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1351

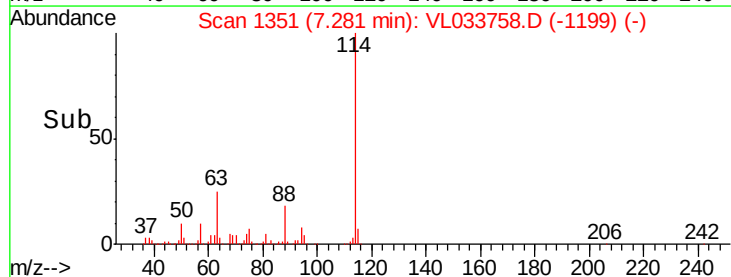
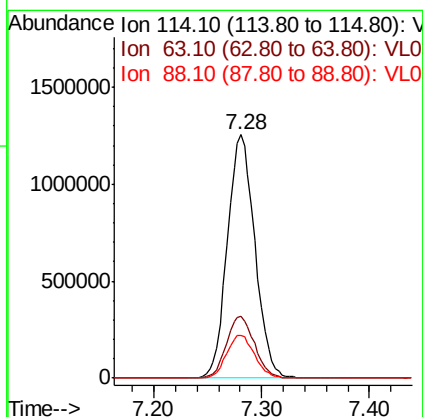
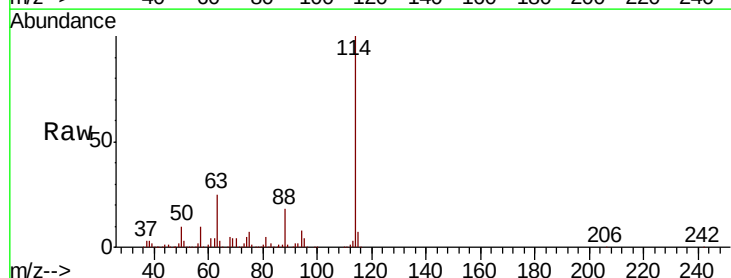
Delta R.T. -0.01 min

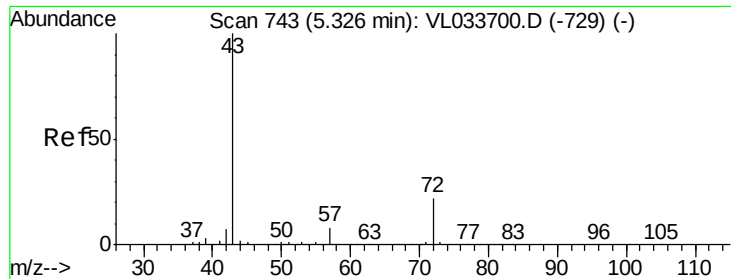
Lab File: VL033758.D

Acq: 23 May 2019 00:01

Tgt Ion:114 Resp: 2237408

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.9	31.3
88	17.9	14.3	21.5





#34

2-Butanone

Concen: 0.467 ppbv

RT: 5.33 min Scan# 745

Delta R.T. 0.01 min

Lab File: VL033758.D

Acq: 23 May 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55DL

Tot Ion: 43 Resp: 64736

Ion Ratio Lower Upper

43 100

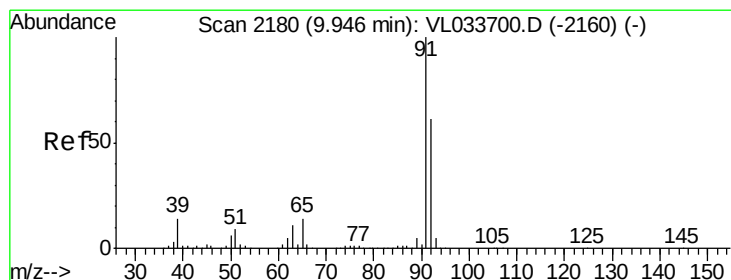
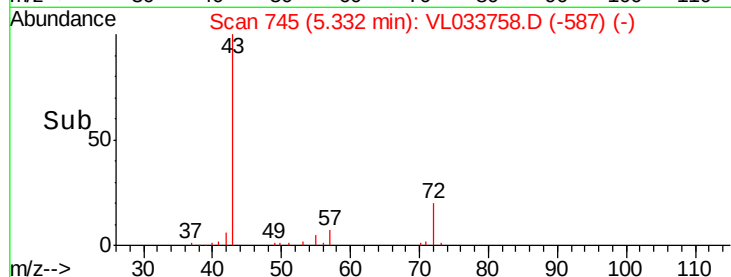
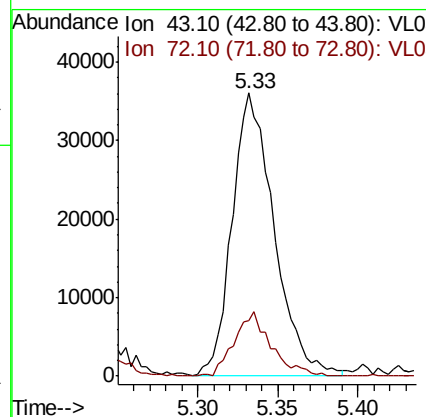
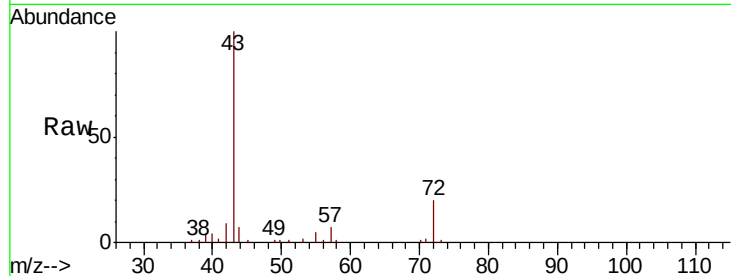
72 19.9 17.8 26.6

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#53

Toluene

Concen: 0.243 ppbv m

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033758.D

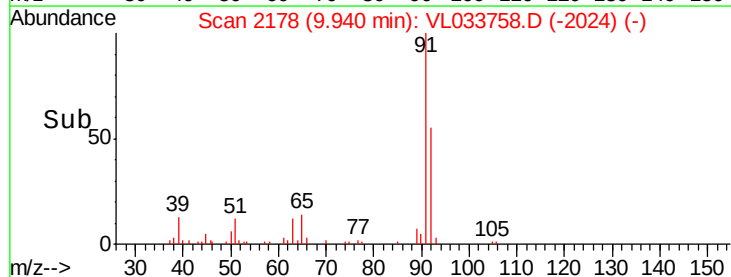
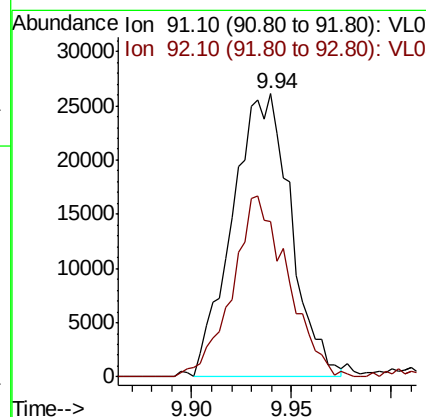
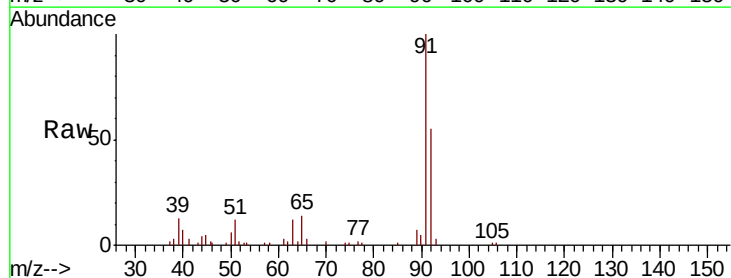
Acq: 23 May 2019 00:01

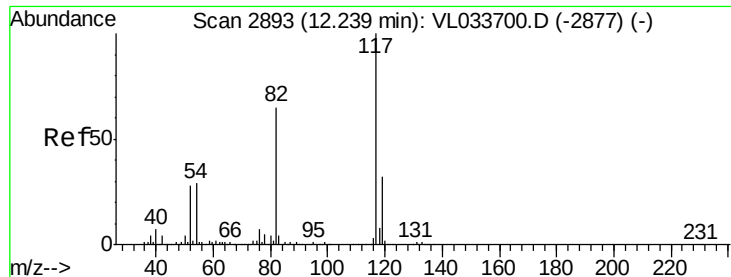
Tgt Ion: 91 Resp: 53353

Ion Ratio Lower Upper

91 100

92 60.2 47.6 71.4





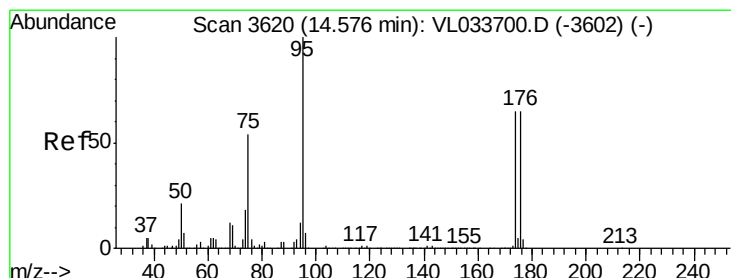
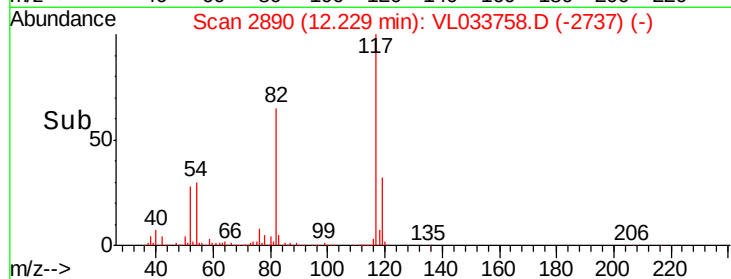
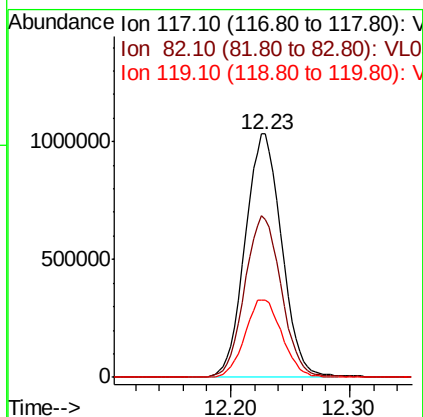
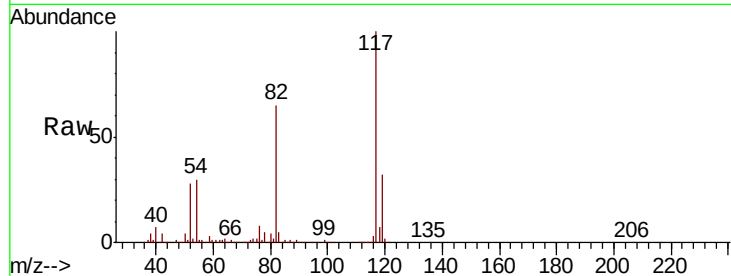
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Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033758.D
Acq: 23 May 2019 00:01

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.0	49.4	74.0
119	32.3	24.9	37.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.216 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033758.D
Acq: 23 May 2019 00:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.7	53.9	80.9
175	4.8	3.8	5.8

