

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033751.D
 Acq On : 22 May 2019 19:28
 Operator : SY/AP
 Sample : K2929-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-25DL

Manual Integrations
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 5/28/2019 2:51:01 AM

Quant Time: May 23 05:29:05 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 08:51:32 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	879164	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2083122	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2146561	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1827337	10.50	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	32983	0.770	ppbv	94
10) Heptane	8.24	43	17763m	0.146	ppbv	
13) Ethanol	3.65	45	34344	2.481	ppbv	98
15) Acetone	3.90	43	516661	4.236	ppbv	97
20) Methylene Chloride	4.40	84	12441m	0.265	ppbv	
26) Hexane	5.77	57	22511m	0.244	ppbv	
27) Carbon Disulfide	4.61	76	12295	0.097	ppbv #	50
34) 2-Butanone	5.33	43	21170m	0.164	ppbv	
36) Benzene	6.99	78	22895m	0.121	ppbv	
53) Toluene	9.93	91	397715	1.946	ppbv	99
58) Ethyl Benzene	12.86	91	59300m	0.209	ppbv	
59) m/p-Xylene	13.11	91	291620	1.174	ppbv	98
60) o-Xylene	13.83	91	77568	0.310	ppbv	98
74) 1,2,4-Trimethylbenzene	16.91	105	59205m	0.195	ppbv	

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

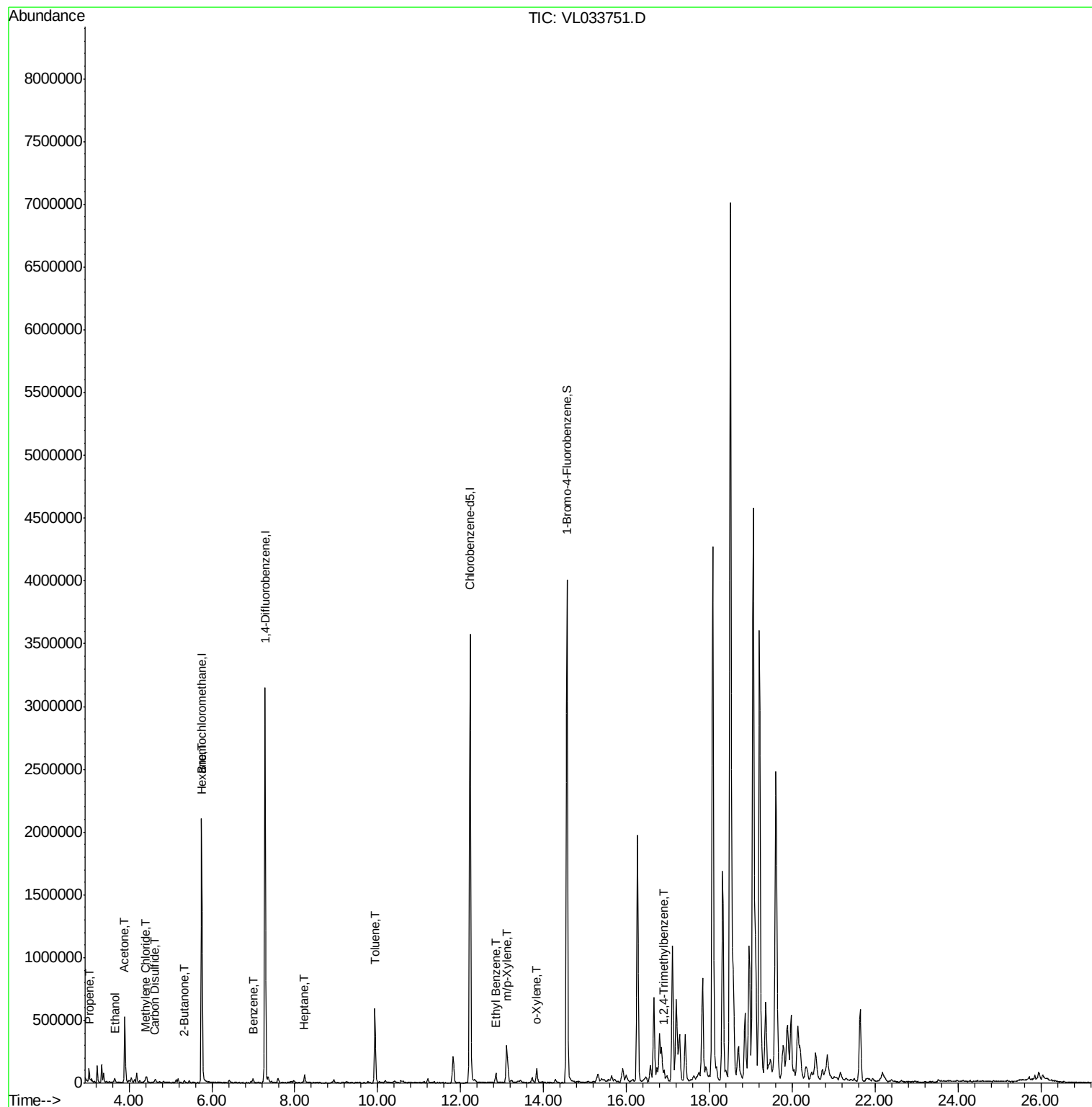
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033751.D
Acq On : 22 May 2019 19:28
Operator : SY/AP
Sample : K2929-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

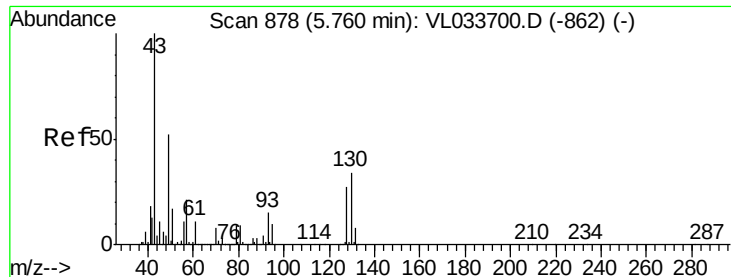
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Manual Integrations
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5/28/2019 2:51:01 AM

Quant Time: May 23 05:29:05 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: VL033751.D

Acq: 22 May 2019 19:28

Instrument :

MSVOA_L

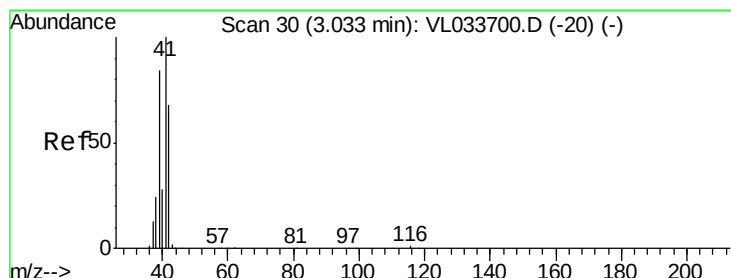
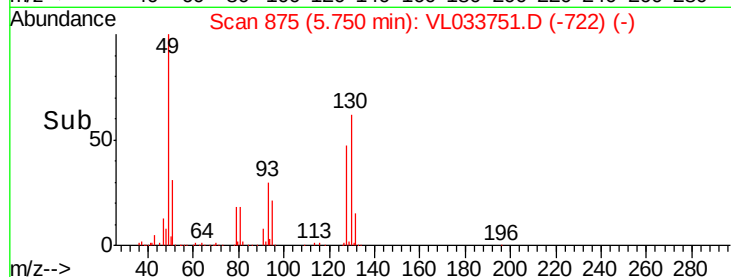
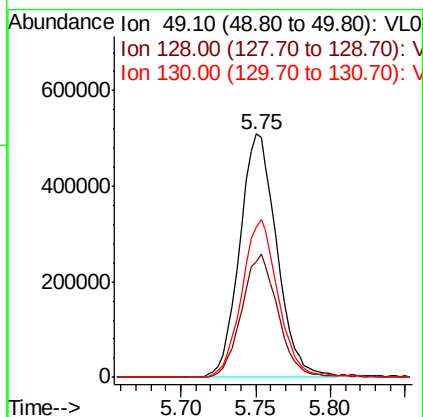
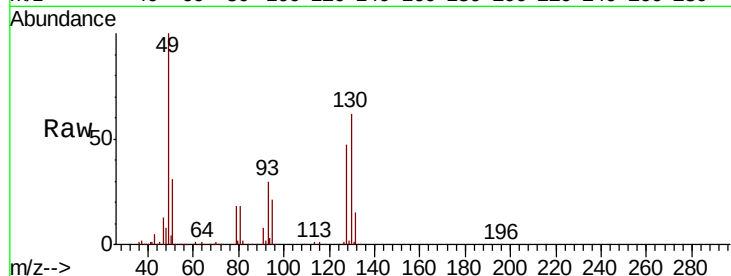
ClientSampleId :

BPS1-SG-3001-25DL

Tot Ion:	49	Resp:	879164
Ion	Ratio	Lower	Upper
49	100		
128	49.8	25.2	75.6
130	64.0	32.5	97.5

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#9

Propene

Concen: 0.770 ppbv

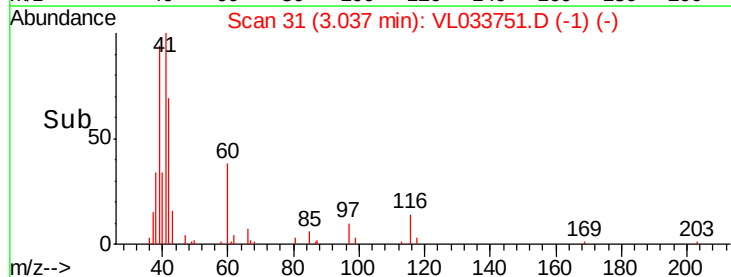
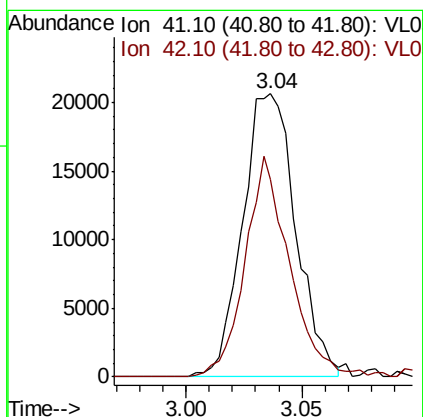
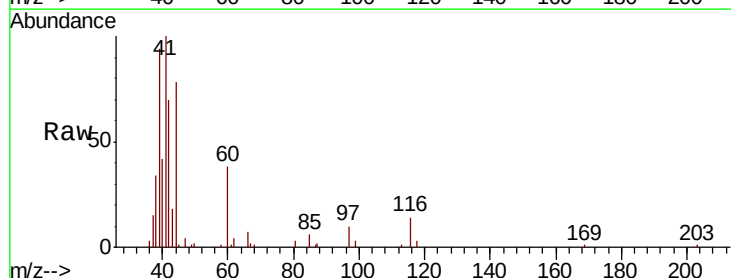
RT: 3.04 min Scan# 31

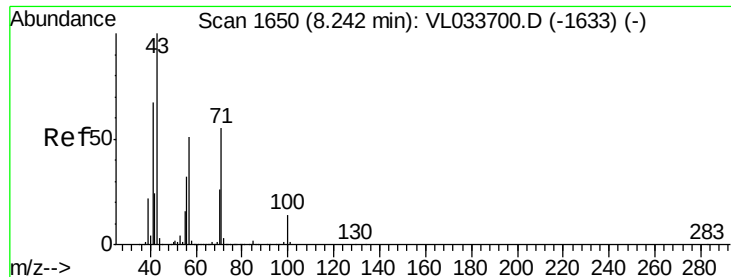
Delta R.T. 0.00 min

Lab File: VL033751.D

Acq: 22 May 2019 19:28

Tgt Ion:	41	Resp:	32983
Ion	Ratio	Lower	Upper
41	100		
42	65.5	56.1	84.1





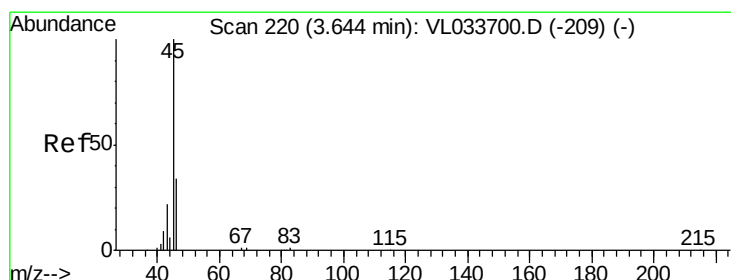
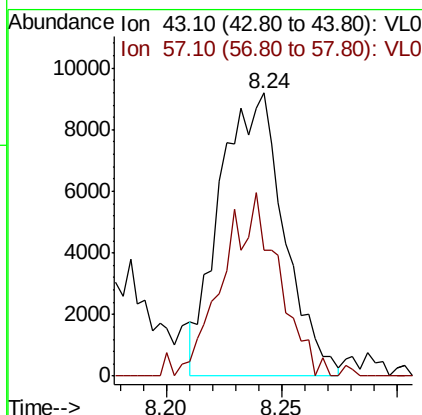
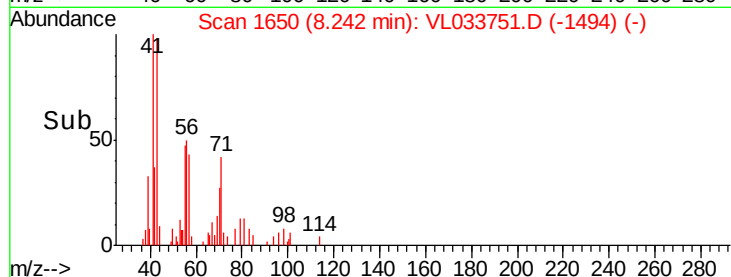
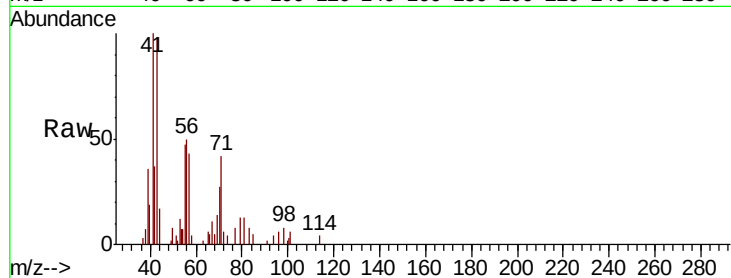
#10
Heptane
Concen: 0.146 ppbv m
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tot Ion: 43 Resp: 17763
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.0#

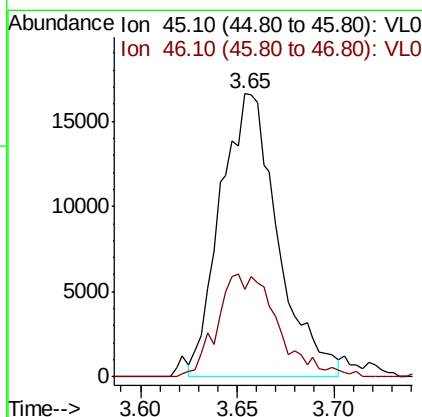
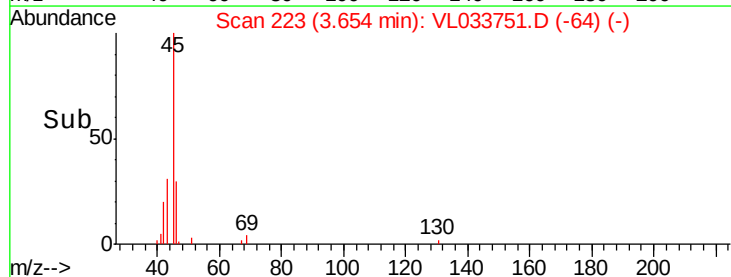
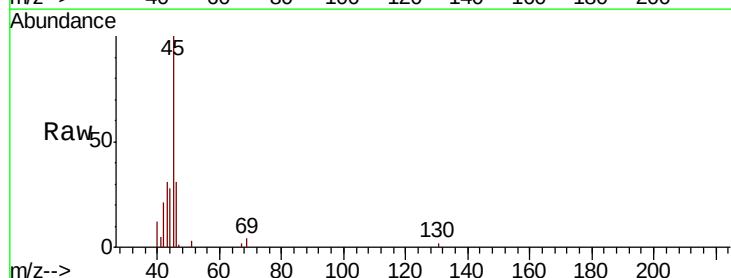
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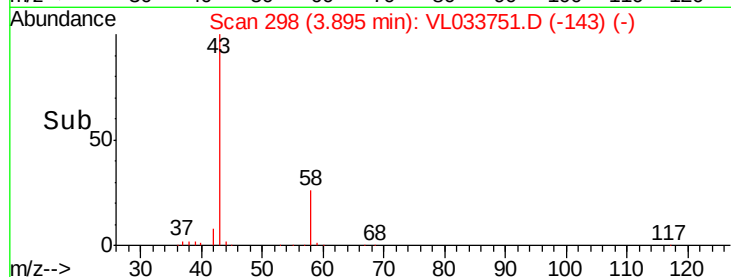
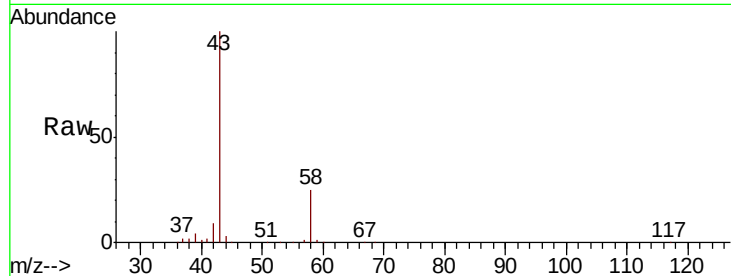
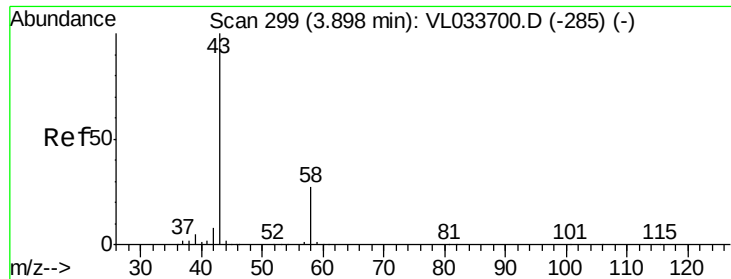
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#13
Ethanol
Concen: 2.481 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 45 Resp: 34344
Ion Ratio Lower Upper
45 100
46 38.3 14.8 59.0





#15

Acetone

Concen: 4.236 ppbv

RT: 3.90 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033751.D

Acq: 22 May 2019 19:28

Tot Ion: 43 Resp: 516661

Ion Ratio Lower Upper

43 100

58 25.2 21.3 31.9

Instrument :

MSVOA_L

ClientSampleId :

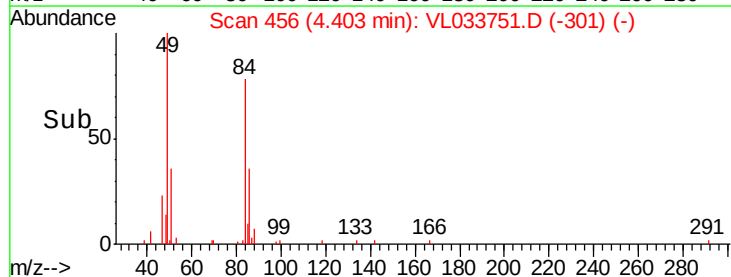
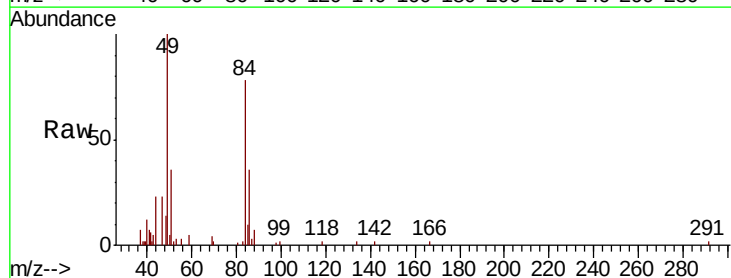
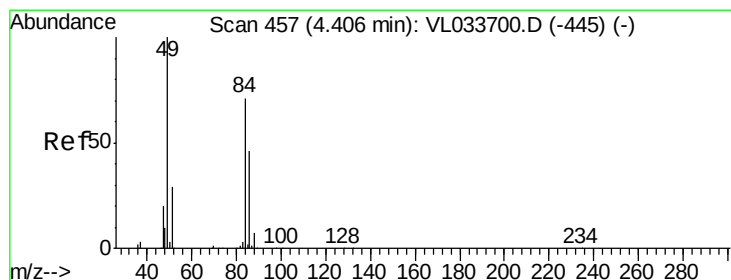
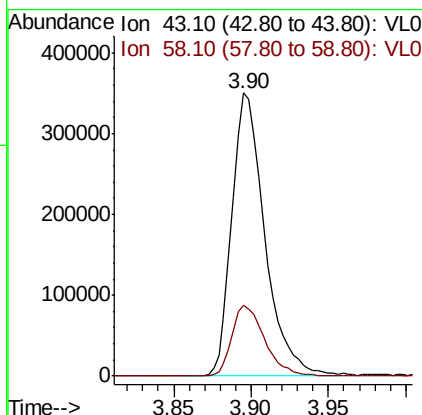
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#20

Methylene Chloride

Concen: 0.265 ppbv m

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033751.D

Acq: 22 May 2019 19:28

Tgt Ion: 84 Resp: 12441

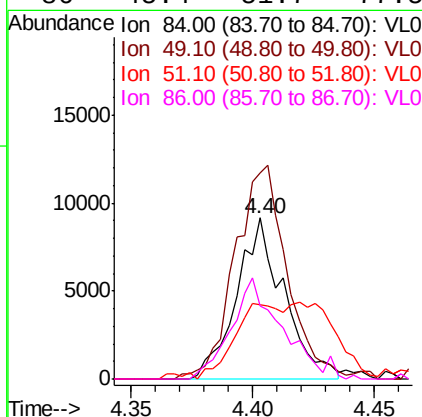
Ion Ratio Lower Upper

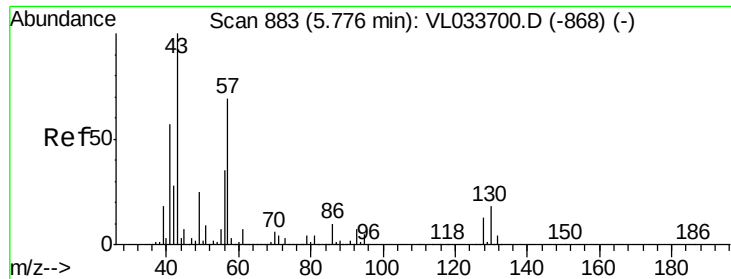
84 100

49 127.5 112.8 169.2

51 46.1 33.4 50.0

86 45.4 51.7 77.5#





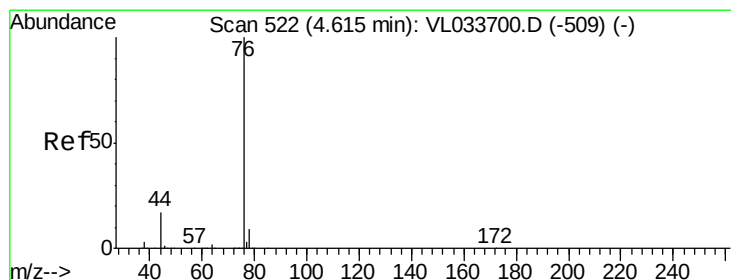
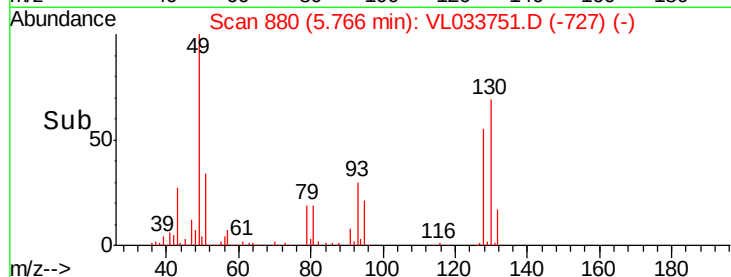
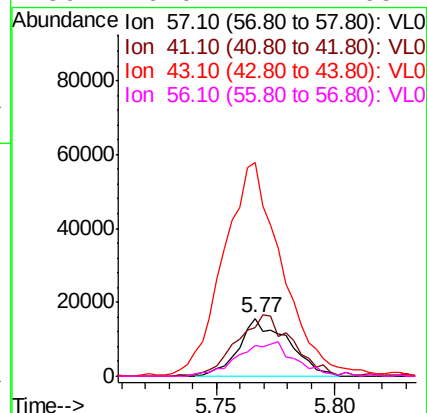
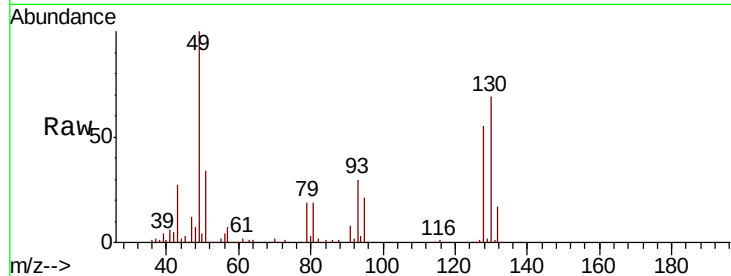
#26
Hexane
Concen: 0.244 ppbv m
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.8	104.6#
43	450.8	181.8	272.6#
56	0.0	42.1	63.1#

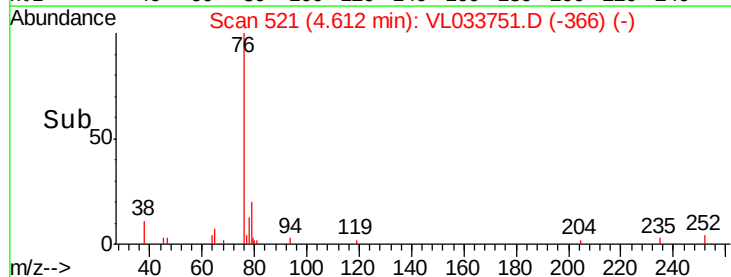
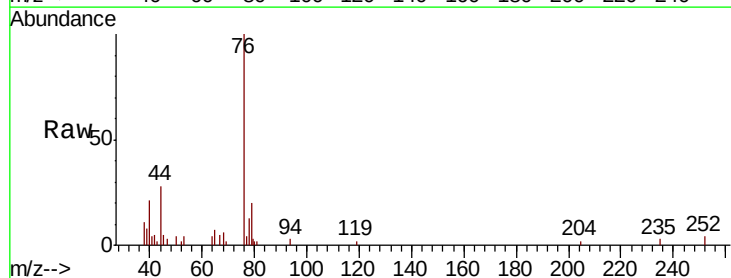
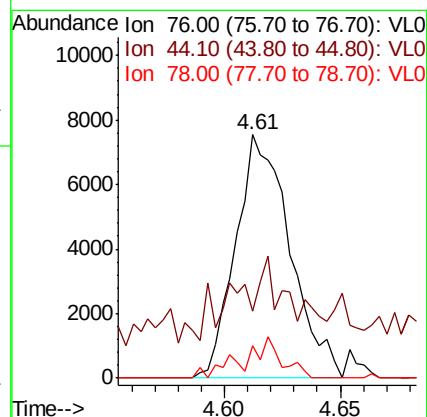
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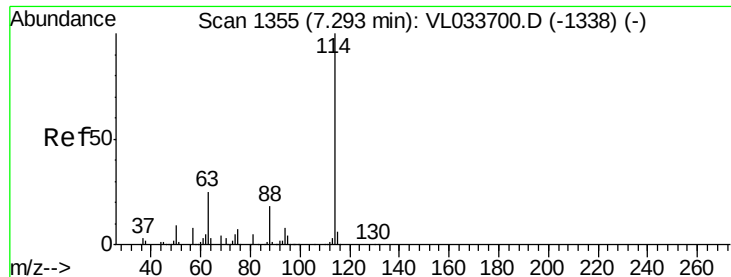
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#27
Carbon Disulfide
Concen: 0.097 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
76	100		
44	48.7	13.8	20.8#
78	12.1	7.4	11.0#





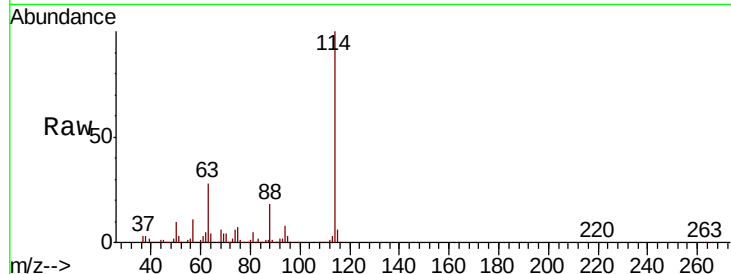
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033751.D
 Acq: 22 May 2019 19:28

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-25DL

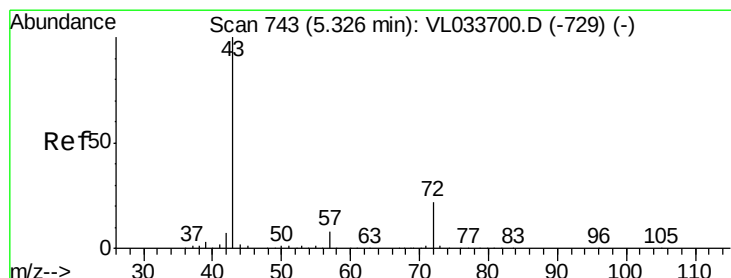
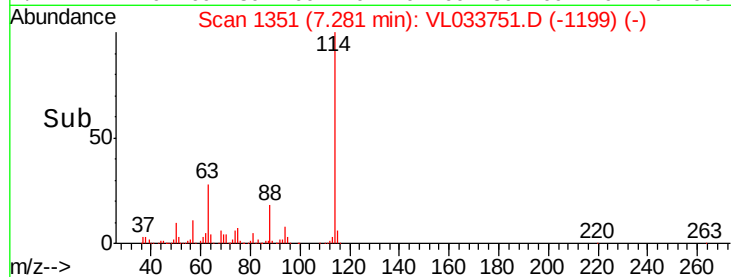
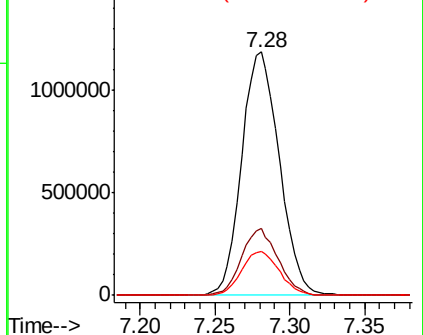
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.9	31.3
88	18.1	14.3	21.5

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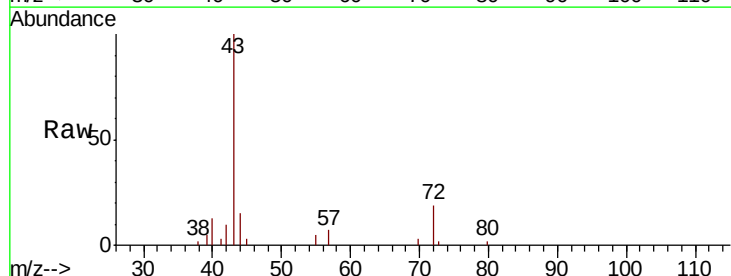


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

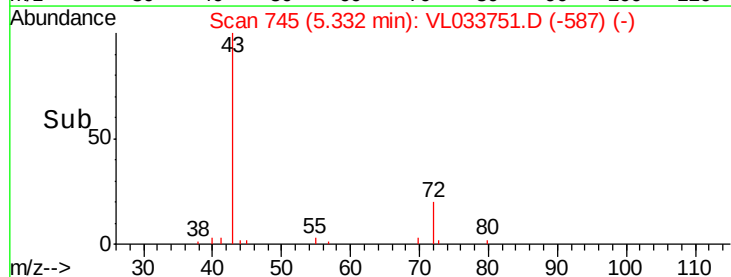
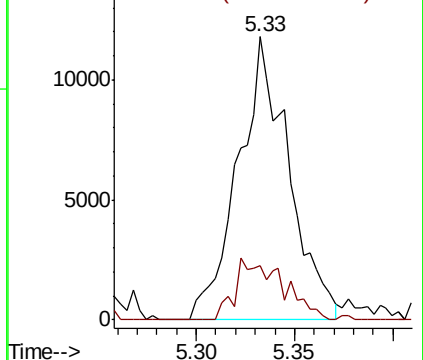


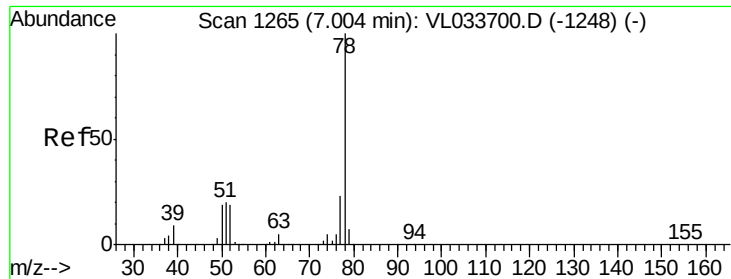
#34
 2-Butanone
 Concen: 0.164 ppbv m
 RT: 5.33 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VL033751.D
 Acq: 22 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





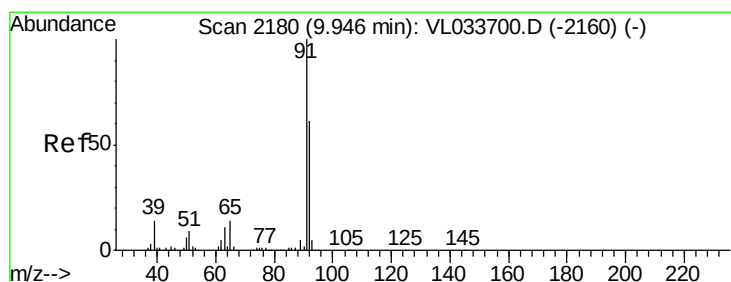
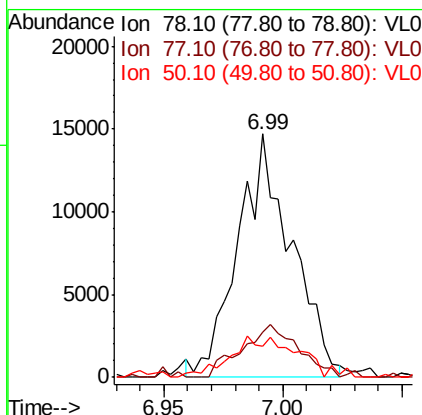
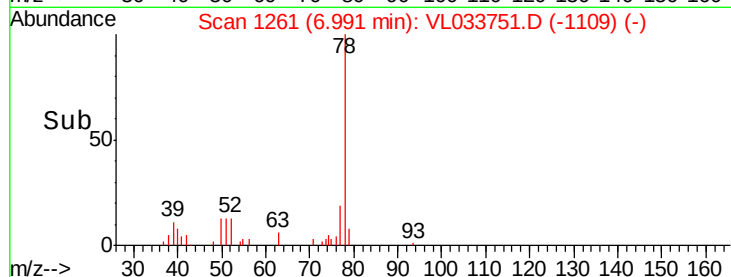
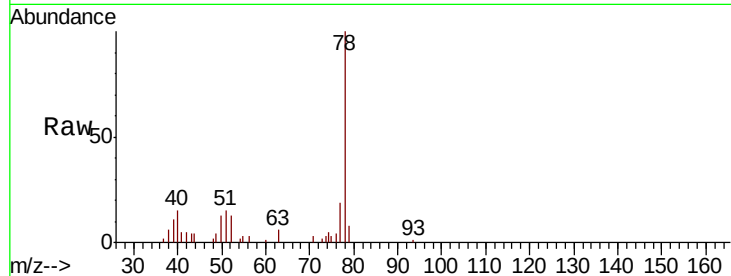
#36
Benzene
Concen: 0.121 ppbv m
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.4	27.6
50	12.6	15.5	23.3#

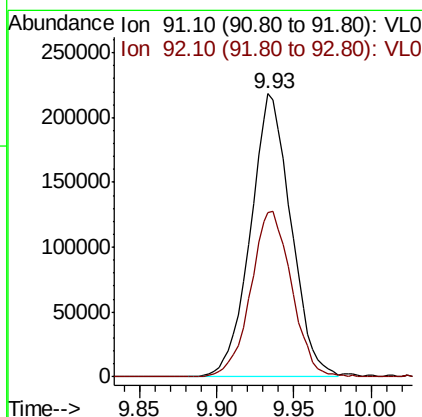
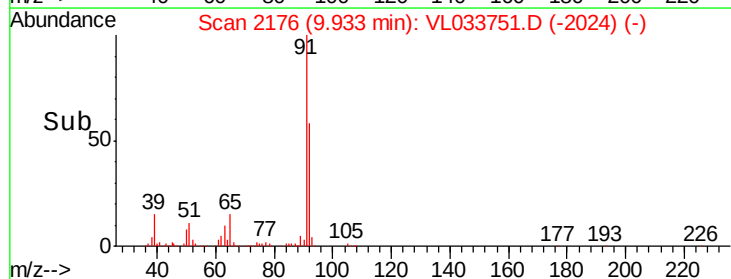
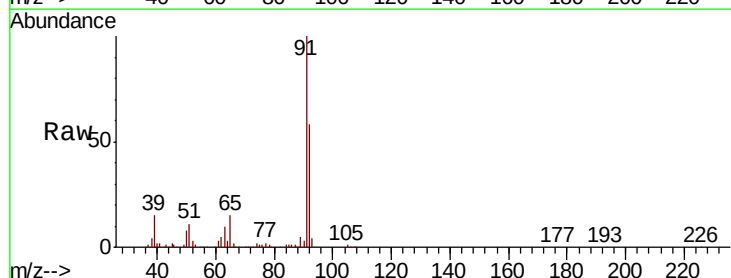
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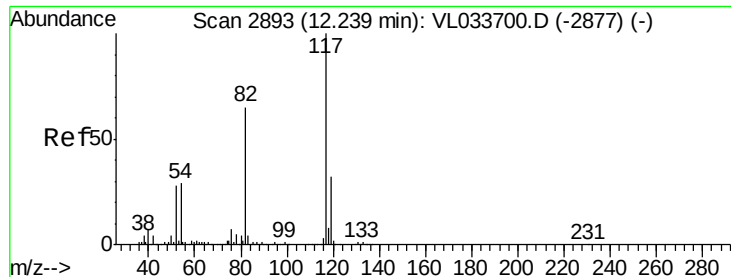
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#53
Toluene
Concen: 1.946 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.6	71.4





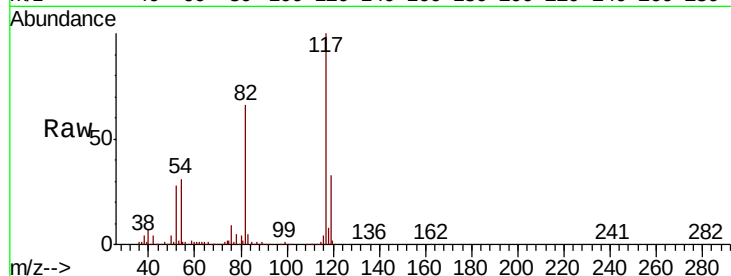
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

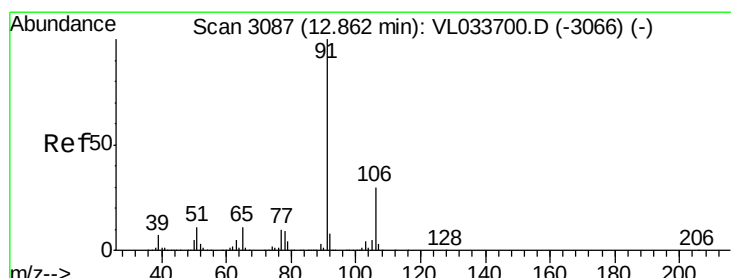
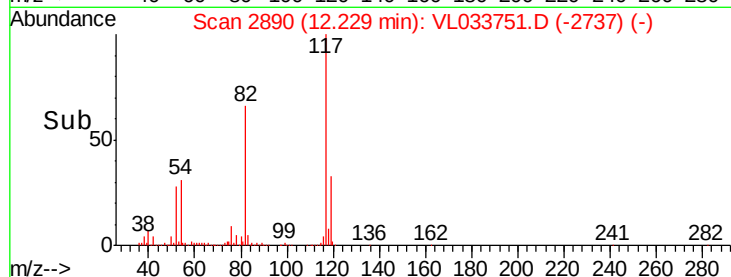
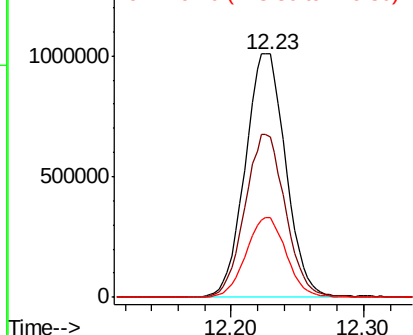
Tot Ion	Ratio	Lower	Upper
117	100		
82	67.0	49.4	74.0
119	32.7	24.9	37.3

Manual Integrations
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5/28/2019 2:51:01 AM

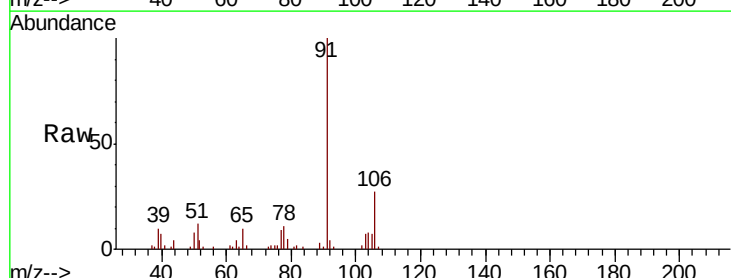


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

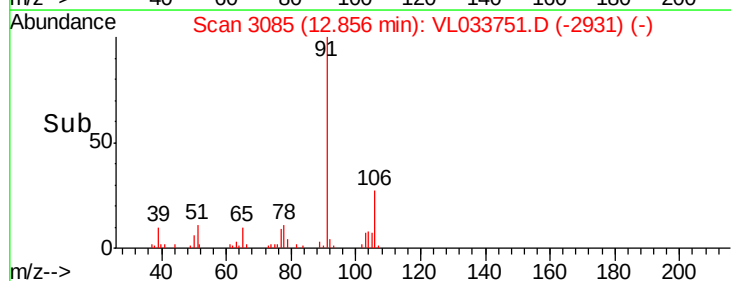
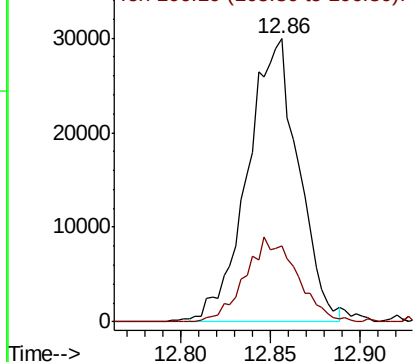


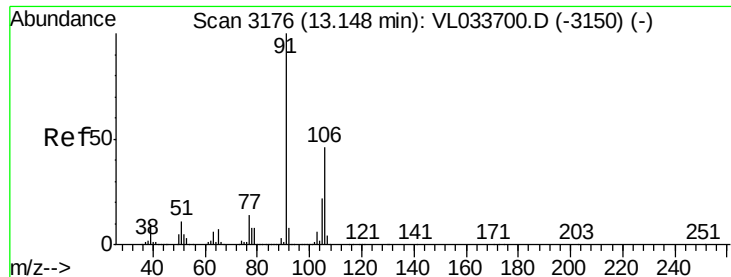
#58
Ethyl Benzene
Concen: 0.209 ppbv m
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.7	23.9	35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 1.174 ppbv

RT: 13.11 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL033751.D

Acq: 22 May 2019 19:28

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25DL

Tot Ion: 91 Resp: 291620

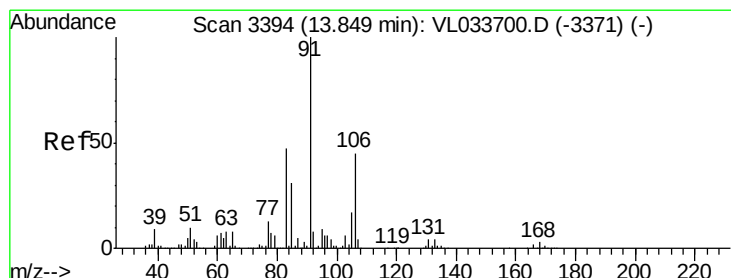
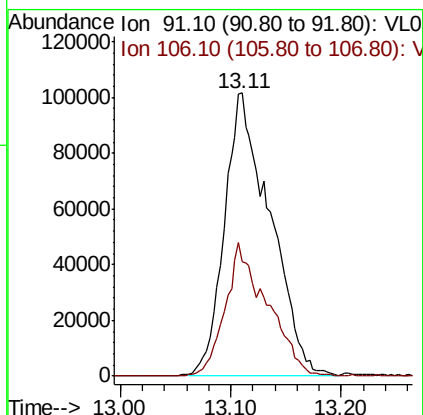
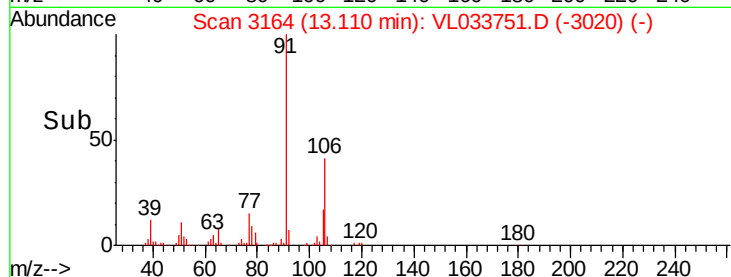
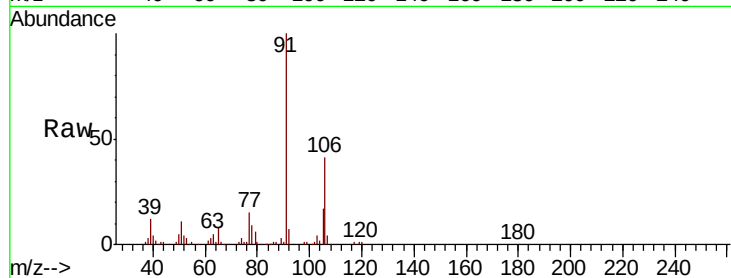
Ion Ratio Lower Upper

91 100

106 43.2 35.8 53.6

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:51:01 AM



#60

o-Xylene

Concen: 0.310 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VL033751.D

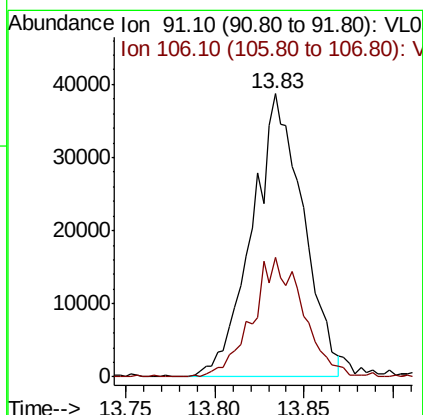
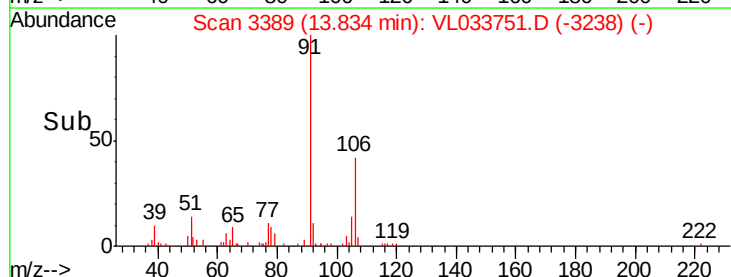
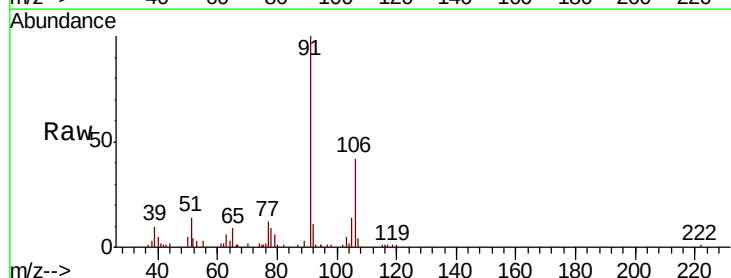
Acq: 22 May 2019 19:28

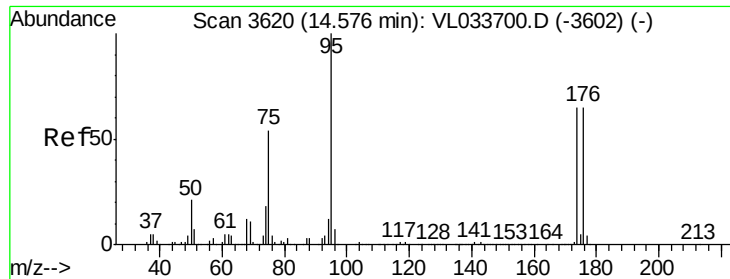
Tgt Ion: 91 Resp: 77568

Ion Ratio Lower Upper

91 100

106 42.1 21.6 64.8





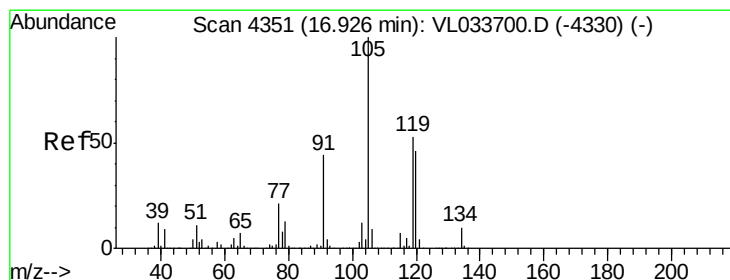
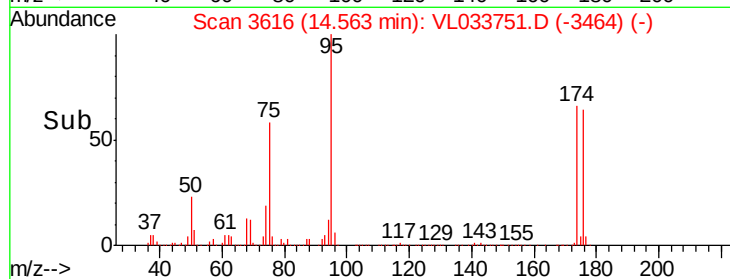
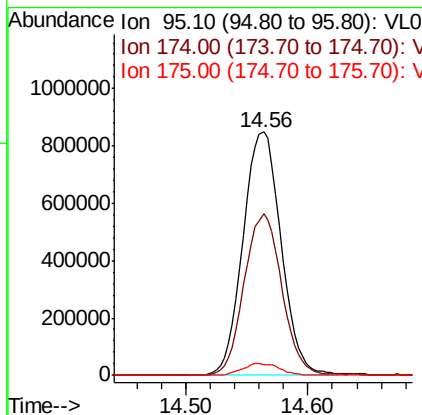
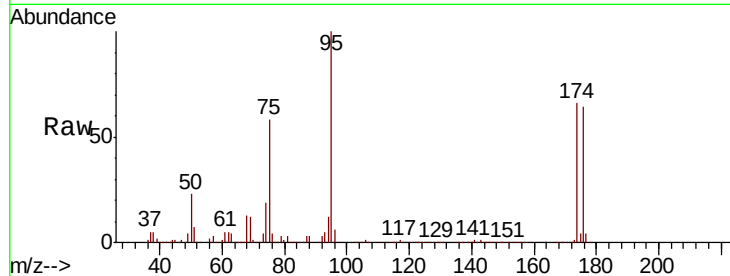
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.501 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033751.D
 Acq: 22 May 2019 19:28

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-25DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.3	53.9	80.9
175	4.8	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:51:01 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.195 ppbv m
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.02 min
 Lab File: VL033751.D
 Acq: 22 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.2	36.8	55.2
91	12.6	35.4	53.0
77	23.7	16.8	25.2

