

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033781.D
 Acq On : 23 May 2019 20:05
 Operator : SY/AP
 Sample : K2929-15DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25DL

Manual Integrations
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MMDadoda
 5/28/2019 2:53:37 AM

Quant Time: May 24 05:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 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	1087492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2804738	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2783600	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2256181	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	108100	2.040	ppbv	90
10) Heptane	8.24	43	37018	0.247	ppbv	99
13) Ethanol	3.66	45	45560	2.660	ppbv	98
15) Acetone	3.90	43	626899	4.155	ppbv	94
17) tert-Butyl alcohol	4.37	59	32661m	0.268	ppbv	
20) Methylene Chloride	4.41	84	10003	0.172	ppbv	91
26) Hexane	5.77	57	41284m	0.362	ppbv	
27) Carbon Disulfide	4.62	76	24590	0.157	ppbv #	78
34) 2-Butanone	5.33	43	88970	0.512	ppbv	96
36) Benzene	6.99	78	44223m	0.173	ppbv	
53) Toluene	9.94	91	586373	2.131	ppbv	100
58) Ethyl Benzene	12.85	91	122772	0.333	ppbv	92
59) m/p-Xylene	13.11	91	478305	1.484	ppbv	98
60) o-Xylene	13.84	91	134177	0.413	ppbv	100
74) 1,2,4-Trimethylbenzene	16.91	105	73576m	0.187	ppbv	

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

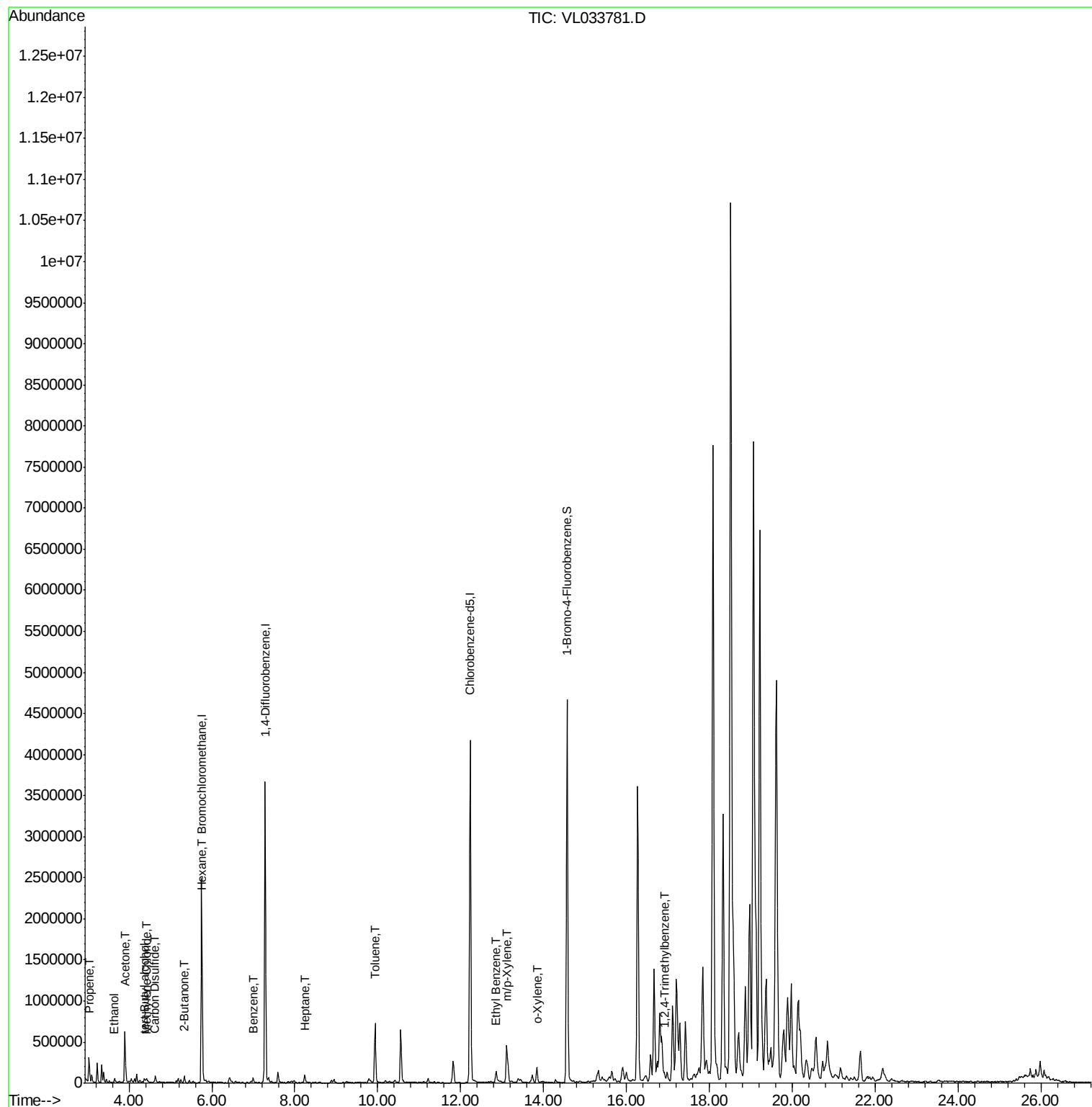
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033781.D
Acq On : 23 May 2019 20:05
Operator : SY/AP
Sample : K2929-15DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

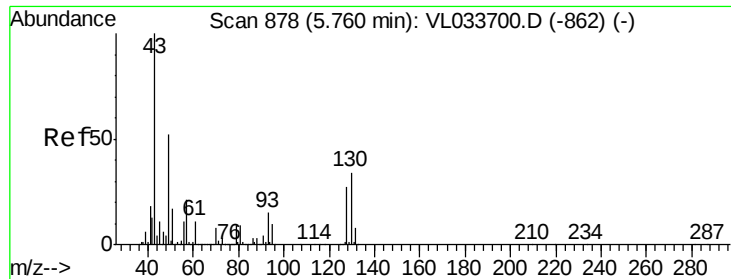
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Manual Integrations
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5/28/2019 2:53:37 AM

Quant Time: May 24 05:46:14 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# 876

Delta R.T. -0.01 min

Lab File: VL033781.D

Acq: 23 May 2019 20:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25DL

Tot Ion: 49 Resp: 1087492

Ion Ratio Lower Upper

49 100

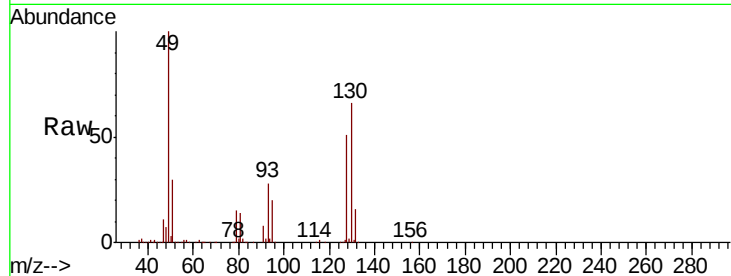
128 53.4 25.2 75.6

130 68.3 32.5 97.5

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

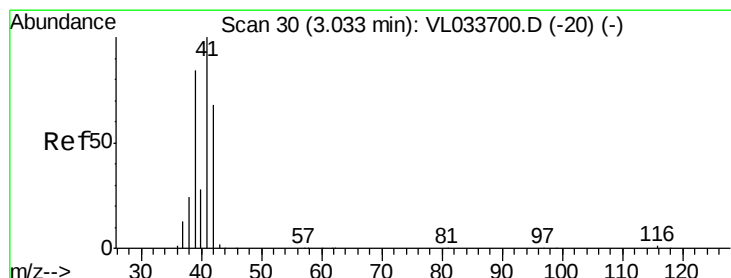
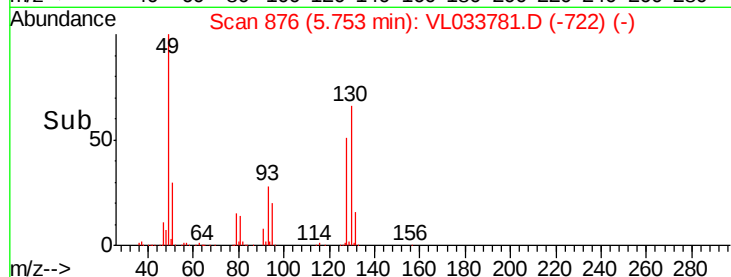
400000

200000

0

5.65 5.70 5.75 5.80 5.85

Time-->



#9

Propene

Concen: 2.040 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033781.D

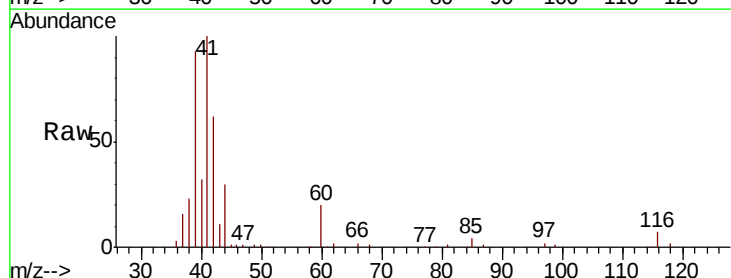
Acq: 23 May 2019 20:05

Tgt Ion: 41 Resp: 108100

Ion Ratio Lower Upper

41 100

42 61.7 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

80000

60000

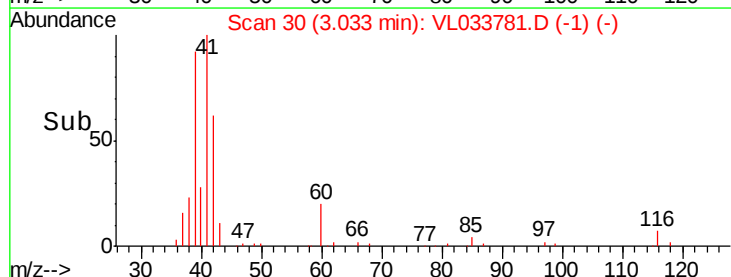
40000

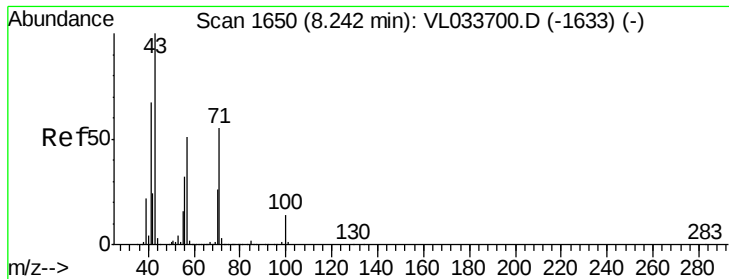
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0

3.00 3.05

Time-->





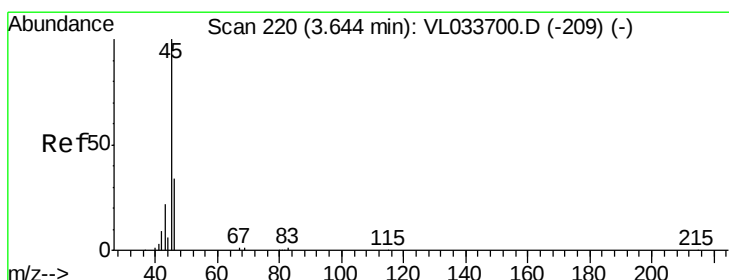
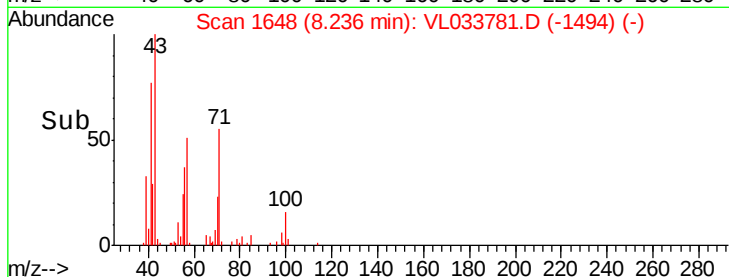
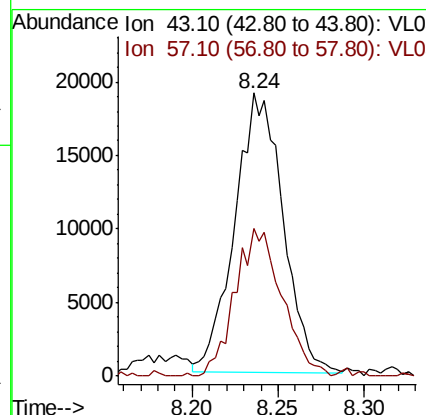
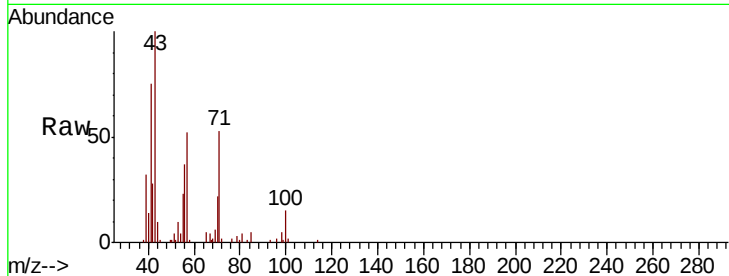
#10
Heptane
Concen: 0.247 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tot Ion: 43 Resp: 37018
Ion Ratio Lower Upper
43 100
57 52.3 41.4 62.0

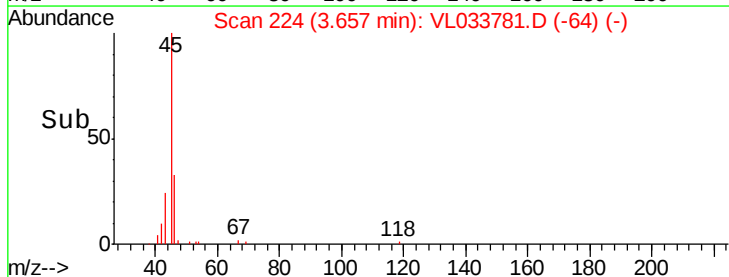
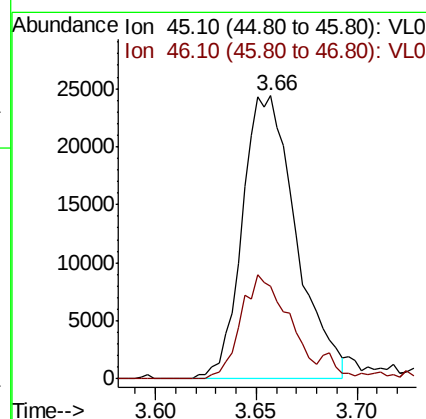
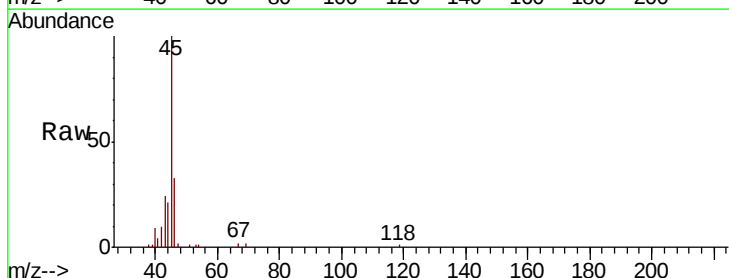
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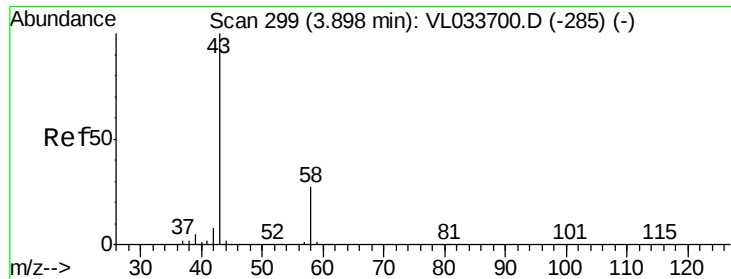
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#13
Ethanol
Concen: 2.660 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 45 Resp: 45560
Ion Ratio Lower Upper
45 100
46 38.1 14.8 59.0





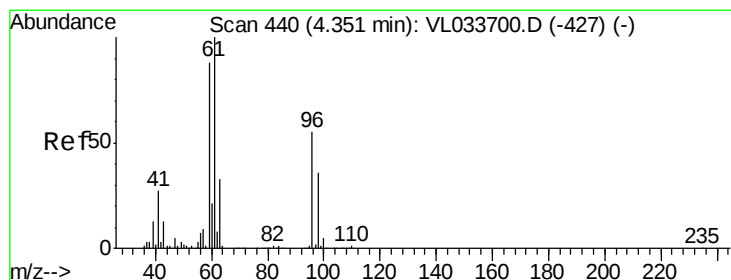
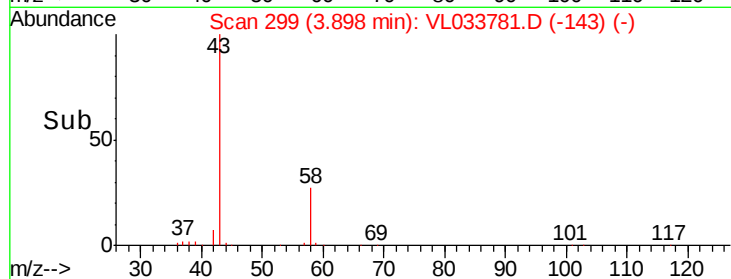
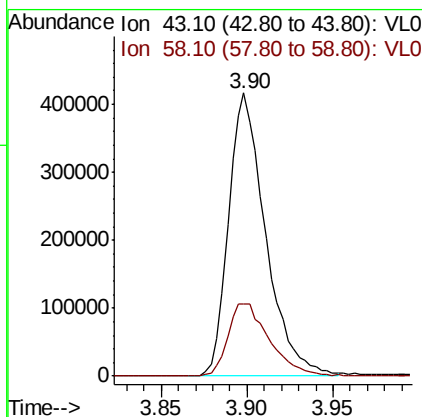
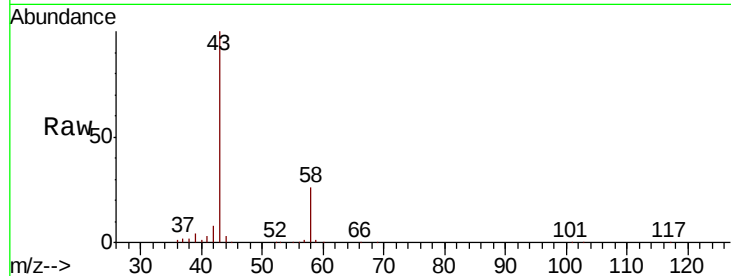
#15
Acetone
Concen: 4.155 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.5	21.3	31.9

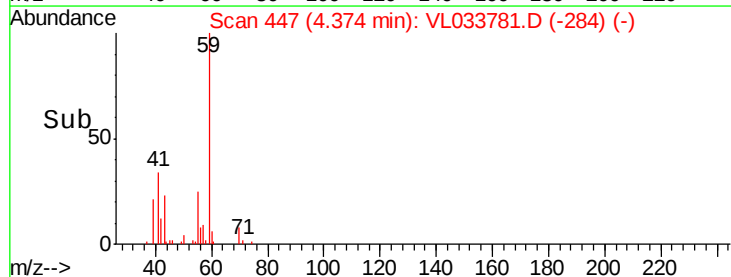
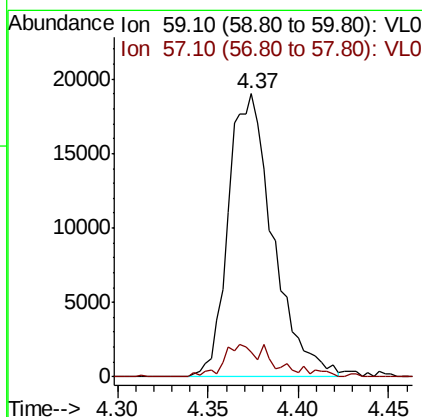
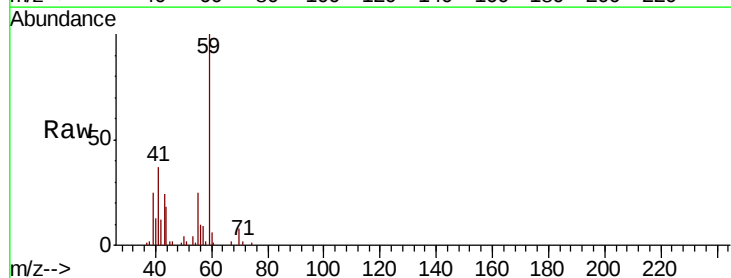
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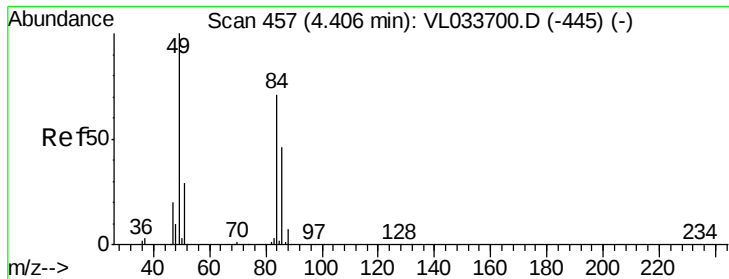
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#17
tert-Butyl alcohol
Concen: 0.268 ppbv m
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion	Ratio	Lower	Upper
59	100		
57	13.0	8.4	12.6#





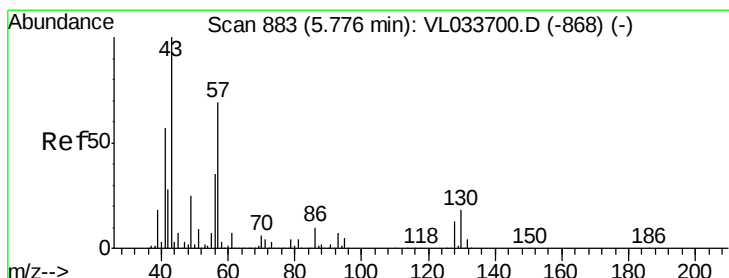
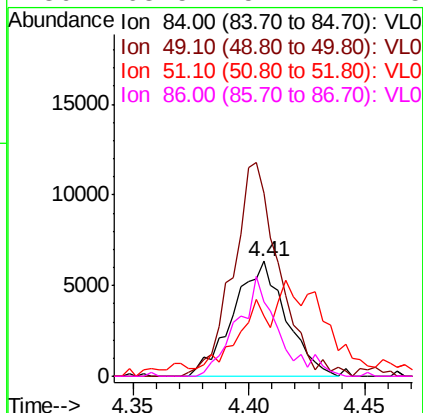
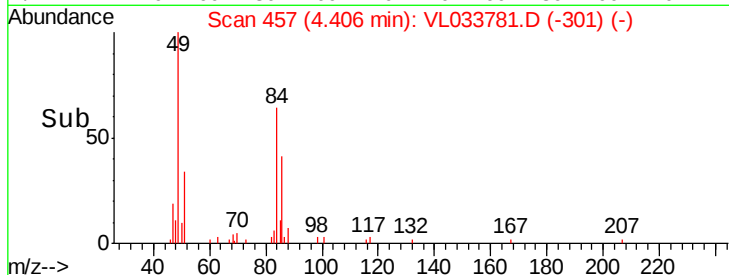
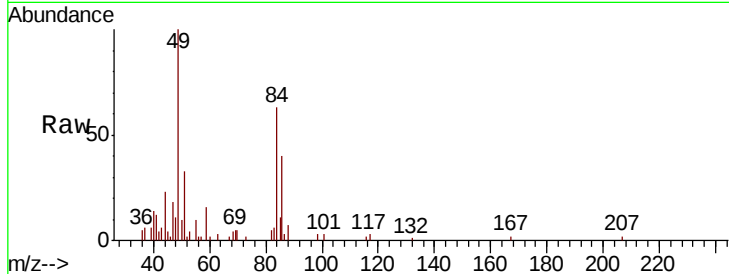
#20
Methvlene Chloride
Concen: 0.172 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	155.8	112.8	169.2
51	45.5	33.4	50.0
86	68.5	51.7	77.5

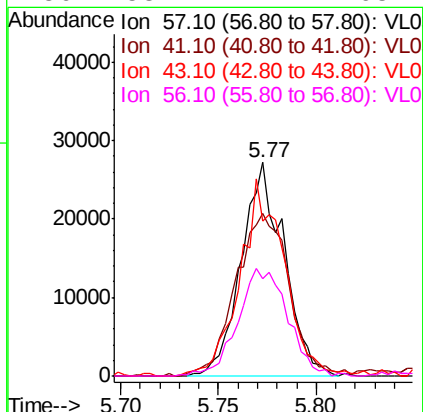
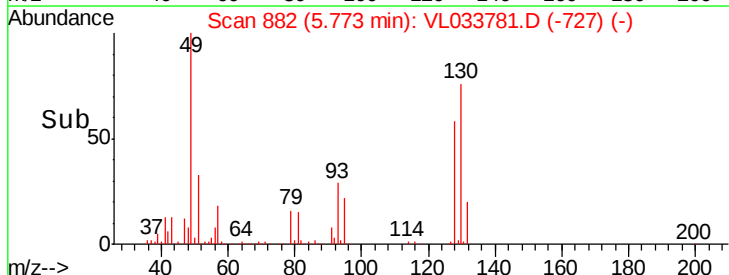
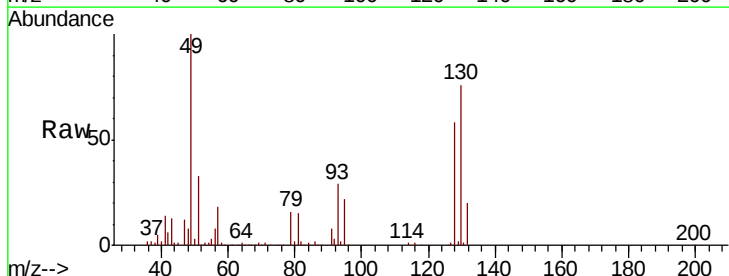
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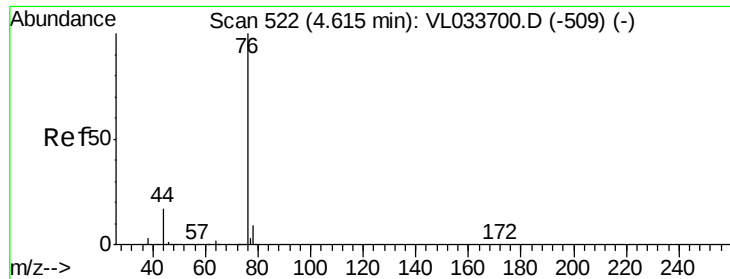
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#26
Hexane
Concen: 0.362 ppbv m
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.2	69.8	104.6
43	96.3	181.8	272.6#
56	58.4	42.1	63.1





#27

Carbon Disulfide

Concen: 0.157 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033781.D

Acq: 23 May 2019 20:05

Instrument :

MSVOA_L

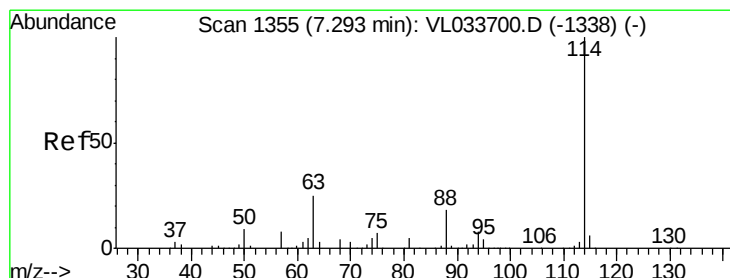
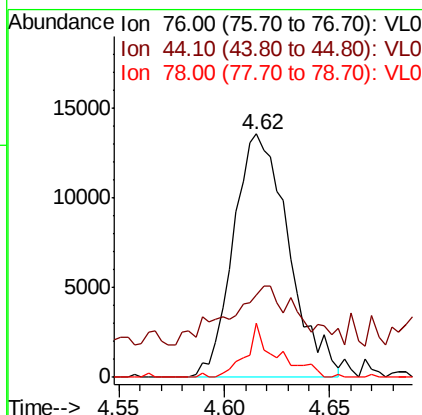
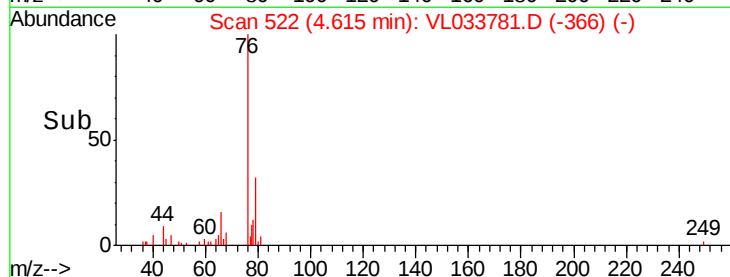
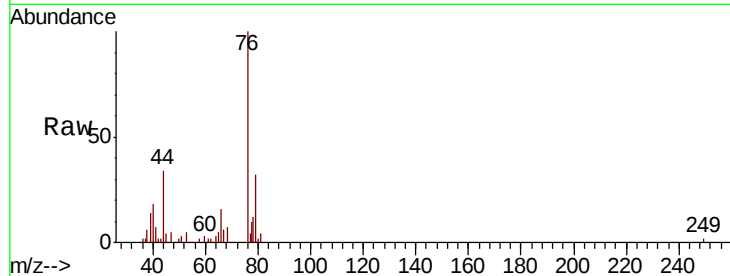
ClientSampleId :

BPS1-SG-3003-25DL

Tot Ion:	76	Resp:	24590
Ion Ratio	Lower	Upper	
76	100		
44	29.9	13.8	20.8#
78	12.4	7.4	11.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

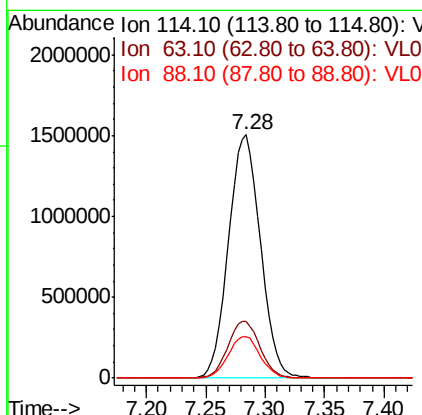
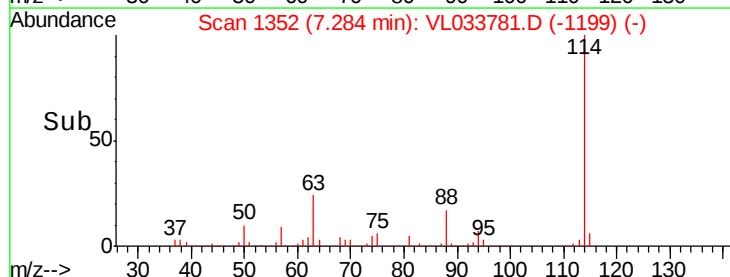
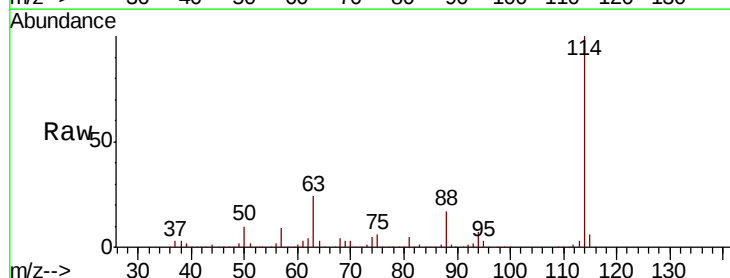
RT: 7.28 min Scan# 1352

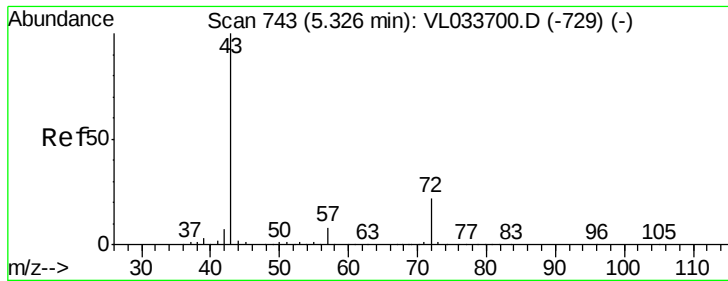
Delta R.T. -0.01 min

Lab File: VL033781.D

Acq: 23 May 2019 20:05

Tgt Ion:	114	Resp:	2804738
Ion Ratio	Lower	Upper	
114	100		
63	23.6	20.9	31.3
88	17.2	14.3	21.5





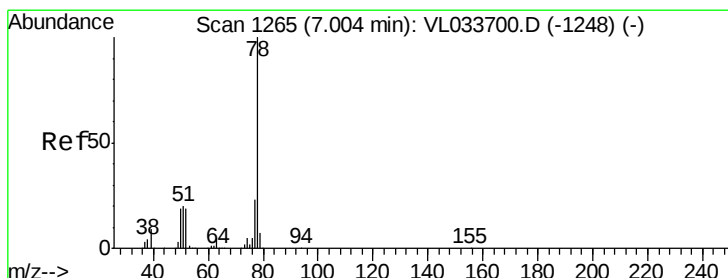
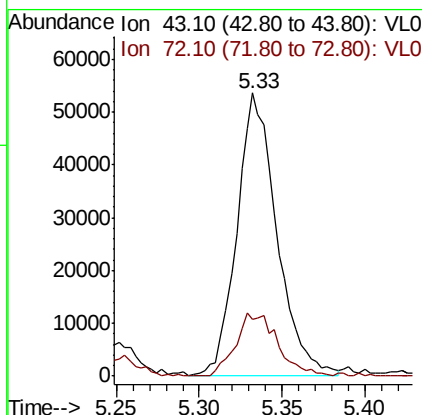
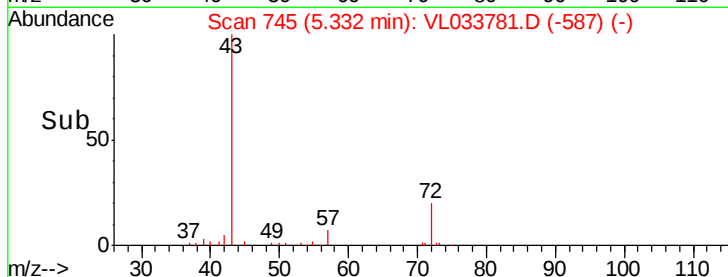
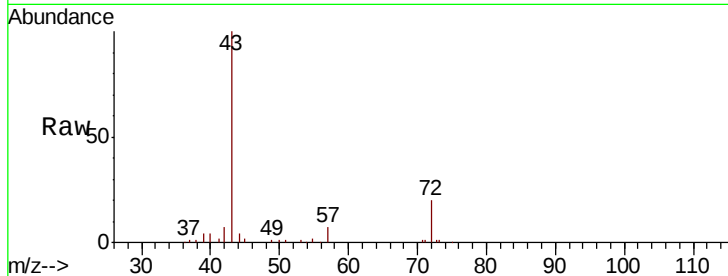
#34
 2-Butanone
 Concen: 0.512 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VL033781.D
 Acq: 23 May 2019 20:05

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.0	17.8	26.6

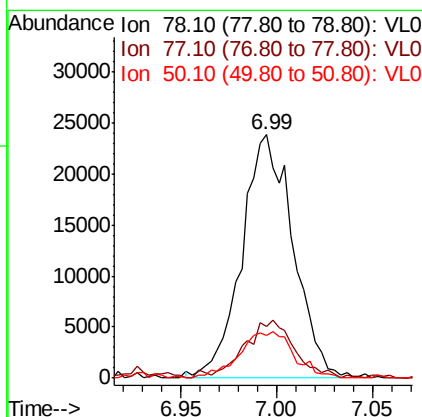
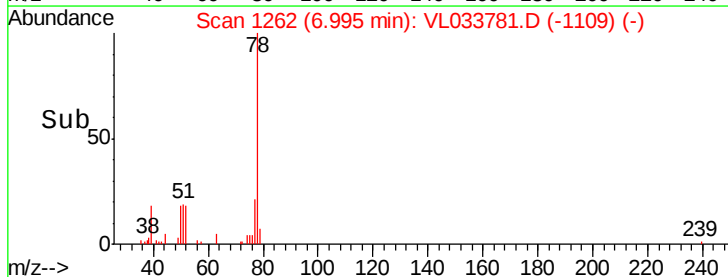
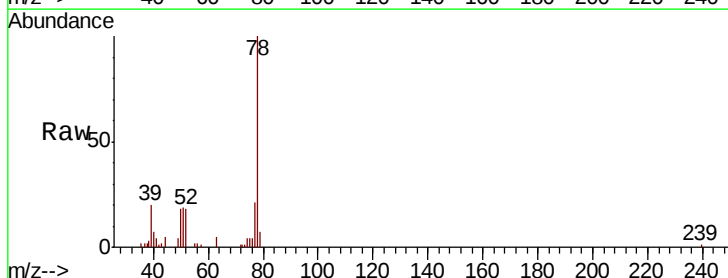
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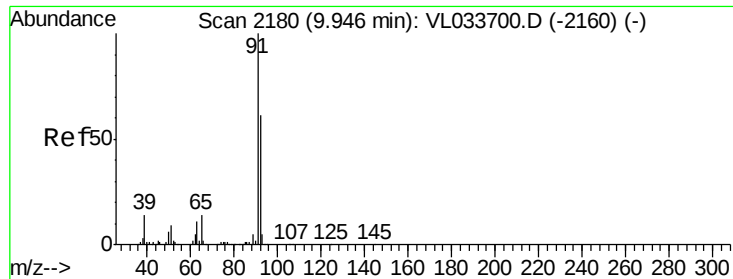
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#36
 Benzene
 Concen: 0.173 ppbv m
 RT: 6.99 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VL033781.D
 Acq: 23 May 2019 20:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.4	27.6
50	17.6	15.5	23.3





#53

Toluene

Concen: 2.131 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033781.D

Acq: 23 May 2019 20:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25DL

Tot Ion: 91 Resp: 586373

Ion Ratio Lower Upper

91 100

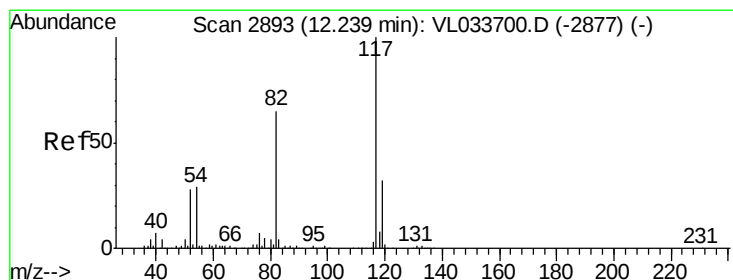
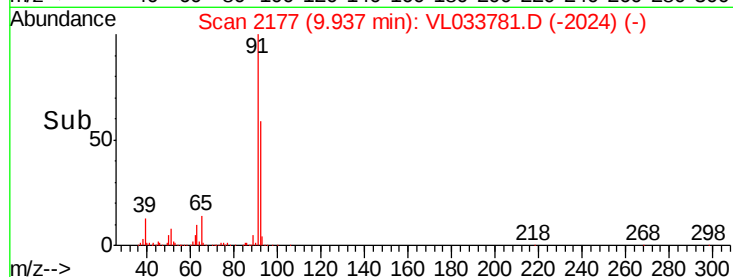
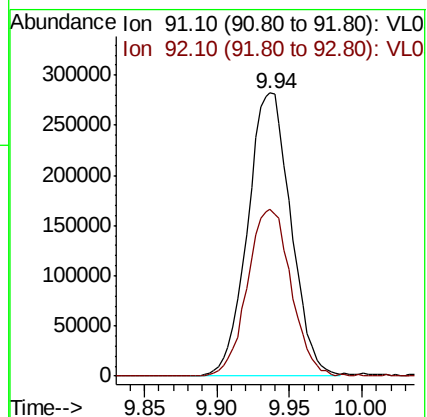
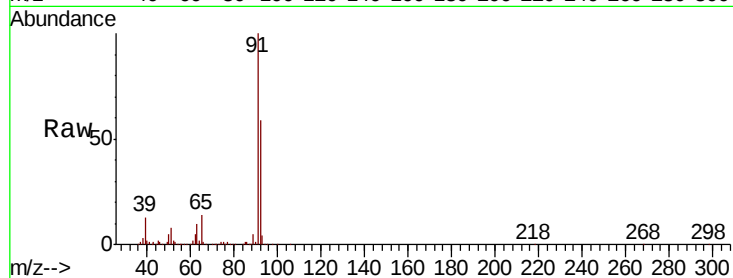
92 59.8 47.6 71.4

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033781.D

Acq: 23 May 2019 20:05

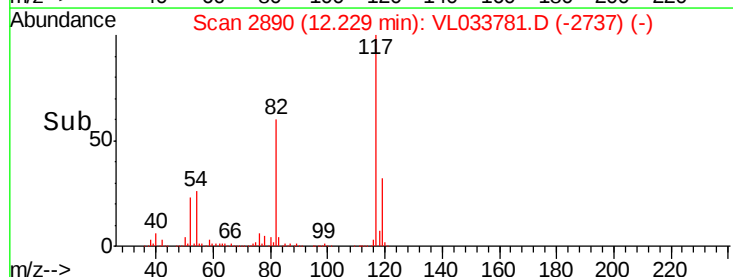
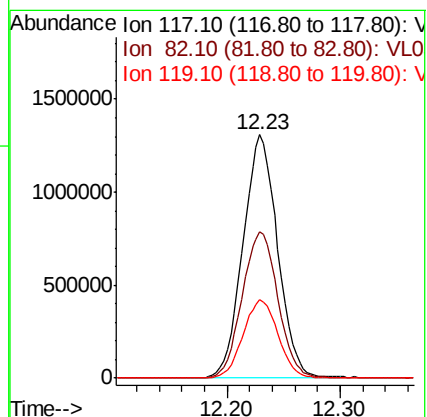
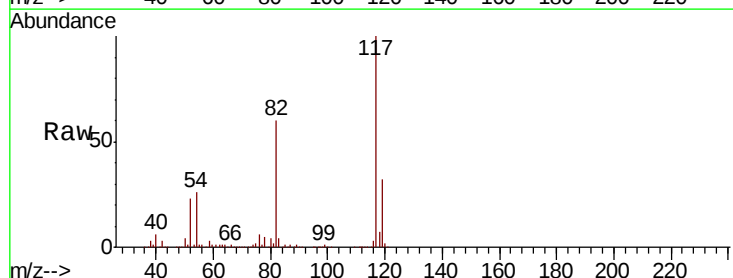
Tgt Ion: 117 Resp: 2783600

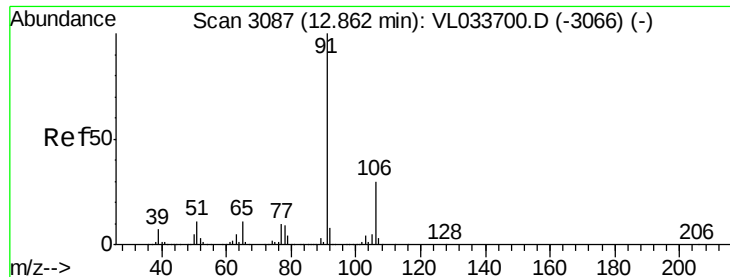
Ion Ratio Lower Upper

117 100

82 62.8 49.4 74.0

119 32.8 24.9 37.3





#58

Ethyl Benzene

Concen: 0.333 ppbv

RT: 12.85 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL033781.D

Acq: 23 May 2019 20:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3003-25DL

Tot Ion: 91 Resp: 122772

Ion Ratio Lower Upper

91 100

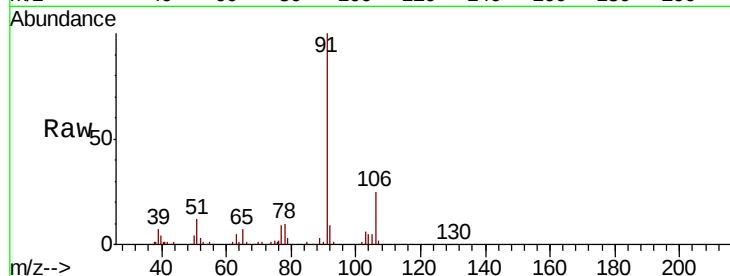
106 25.6 23.9 35.9

Manual Integrations

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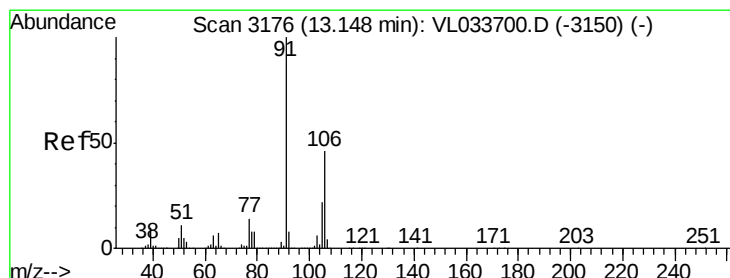
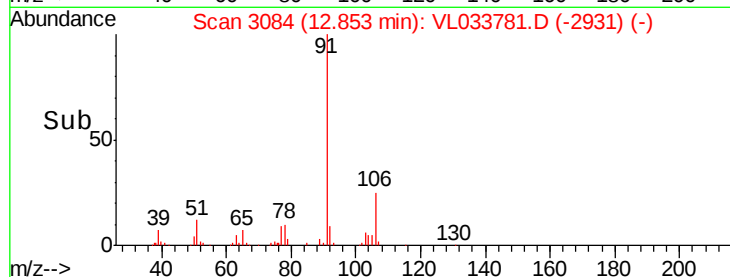
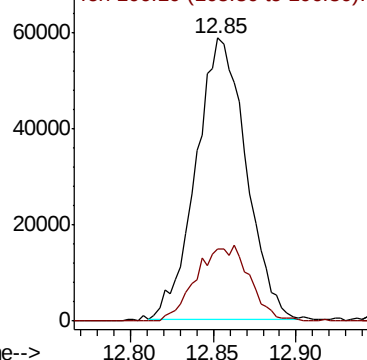
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 1.484 ppbv

RT: 13.11 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL033781.D

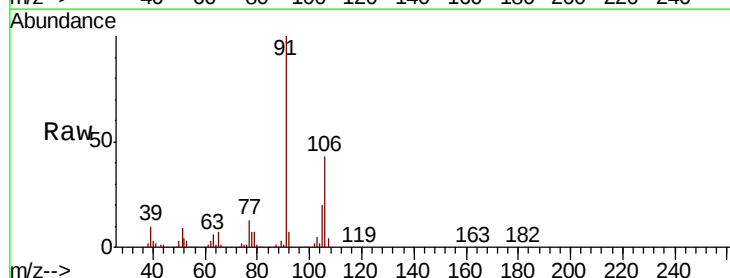
Acq: 23 May 2019 20:05

Tgt Ion: 91 Resp: 478305

Ion Ratio Lower Upper

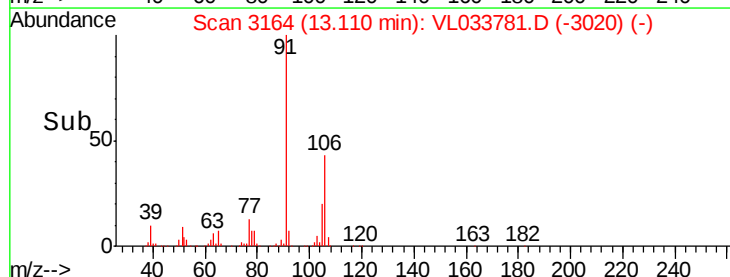
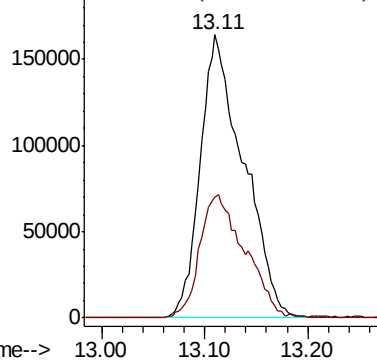
91 100

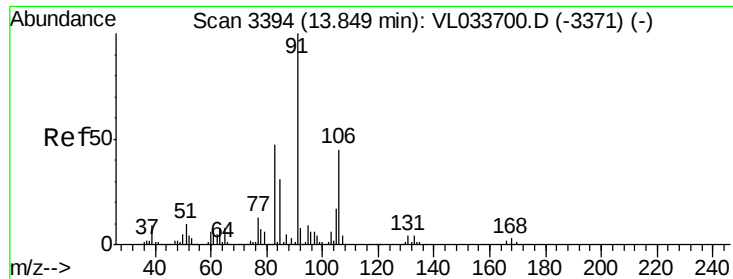
106 45.8 35.8 53.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





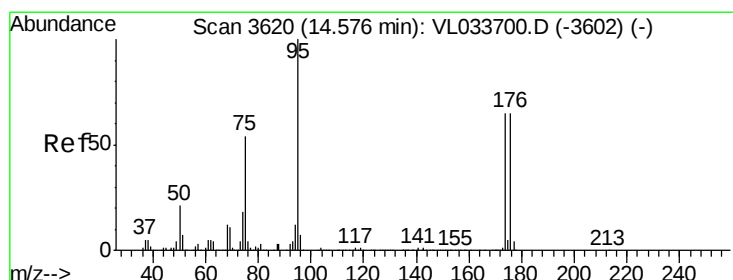
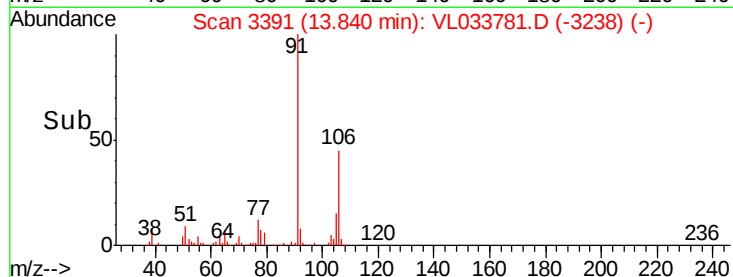
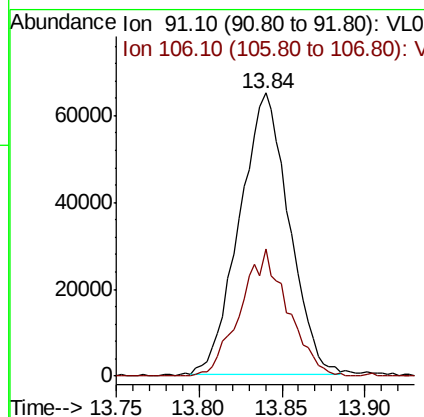
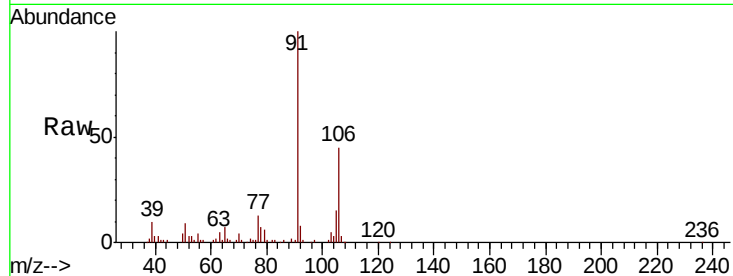
#60
o-Xylene
Concen: 0.413 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tot Ion: 91 Resp: 134177
Ion Ratio Lower Upper
91 100
106 43.4 21.6 64.8

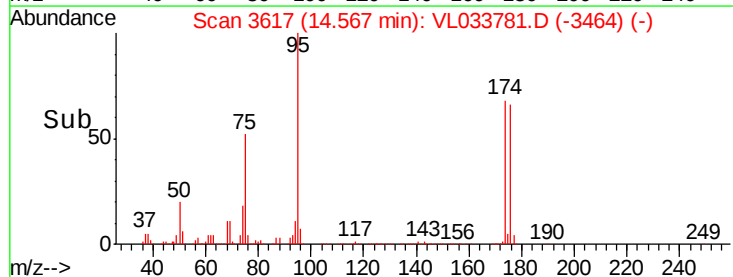
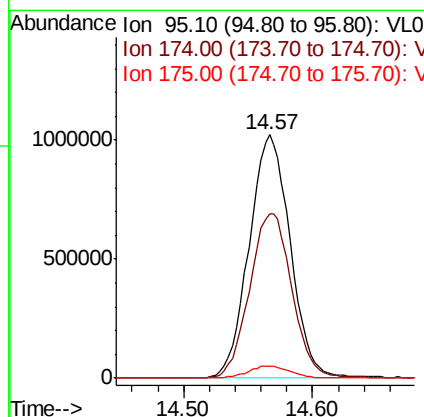
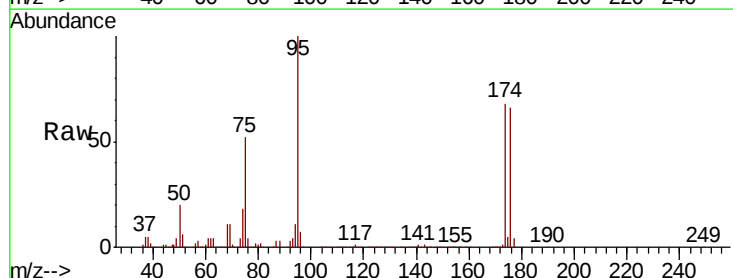
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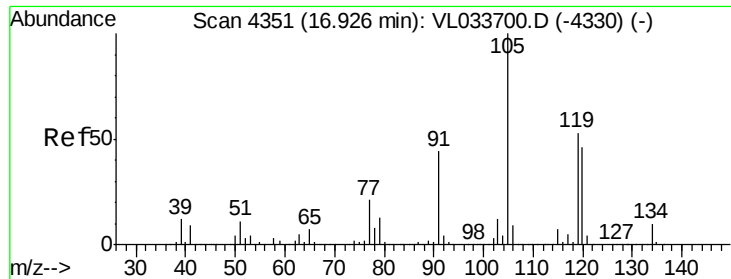
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 95 Resp: 2256181
Ion Ratio Lower Upper
95 100
174 70.6 53.9 80.9
175 5.1 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.187 ppbv m
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.02 min
 Lab File: VL033781.D
 Acq: 23 May 2019 20:05

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3003-25DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	38.5	36.8	55.2
91	10.8	35.4	53.0#
77	17.6	16.8	25.2

Manual Integrations
 APPROVED

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 5/28/2019 2:53:37 AM

