

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033759.D
 Acq On : 23 May 2019 00:40
 Operator : SY/AP
 Sample : K2929-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP-01DL

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:51:19 AM

Quant Time: May 28 04:12:03 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	938062	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2189713	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2206611	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1815039	10.15	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	665410	14.559	ppbv	92
10) Heptane	8.24	43	20566m	0.159	ppbv	
13) Ethanol	3.64	45	127793	8.651	ppbv	99
15) Acetone	3.89	43	1476004	11.341	ppbv	94
17) tert-Butyl alcohol	4.36	59	36604	0.348	ppbv #	92
20) Methylene Chloride	4.40	84	13043	0.260	ppbv #	88
26) Hexane	5.77	57	38448	0.391	ppbv #	1
27) Carbon Disulfide	4.61	76	21402	0.159	ppbv #	87
34) 2-Butanone	5.32	43	255780	1.884	ppbv	98
36) Benzene	6.99	78	43676	0.219	ppbv	94
53) Toluene	9.93	91	320423	1.491	ppbv	97
59) m/p-Xylene	13.11	91	75202m	0.294	ppbv	
60) o-Xylene	13.83	91	29163m	0.113	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	34124	0.109	ppbv #	70

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

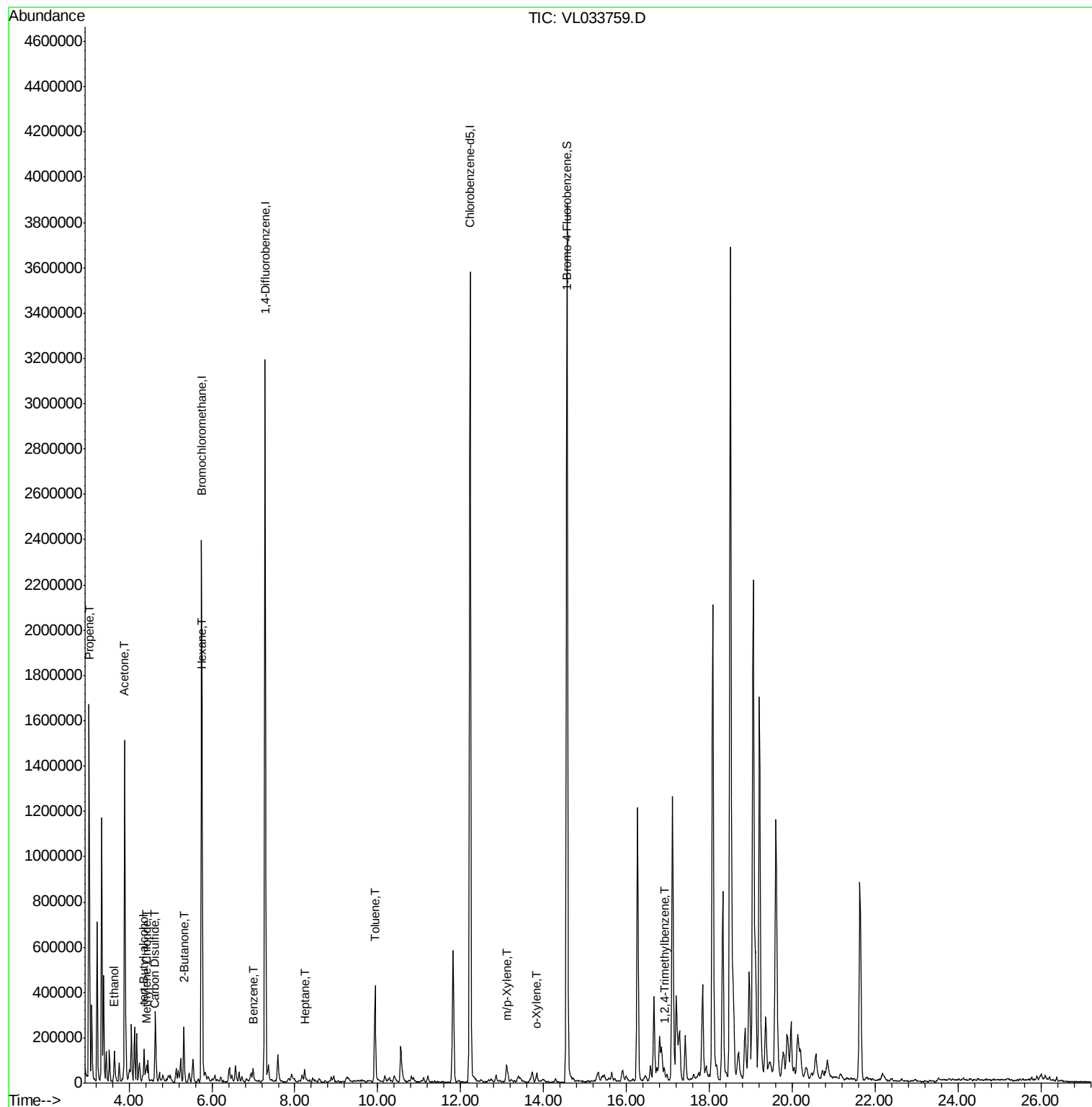
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033759.D
Acq On : 23 May 2019 00:40
Operator : SY/AP
Sample : K2929-08DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

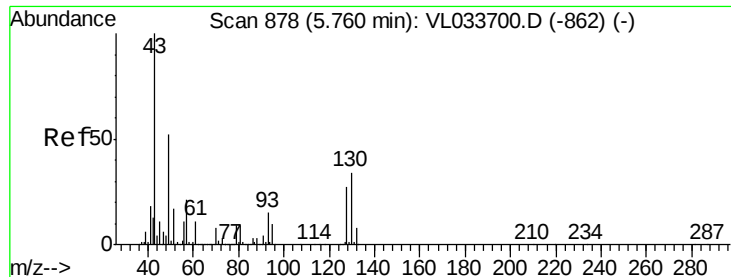
Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:51:19 AM

Quant Time: May 28 04:12:03 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: VL033759.D

Acq: 23 May 2019 00:40

Instrument :

MSVOA_L

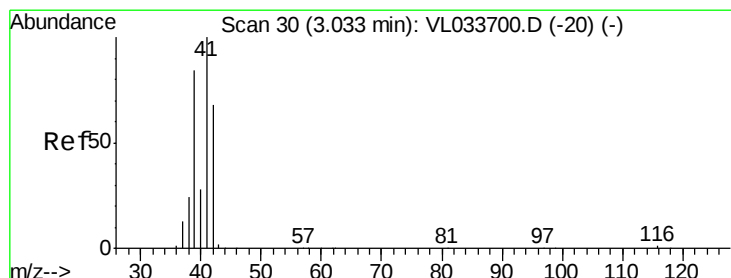
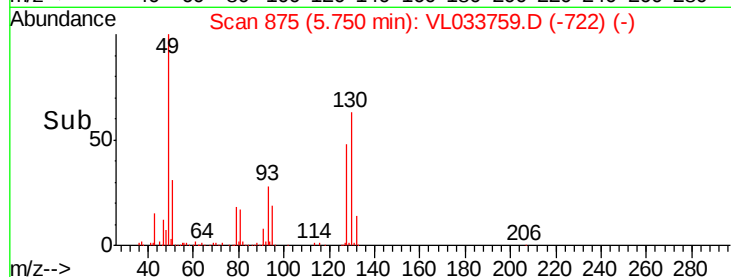
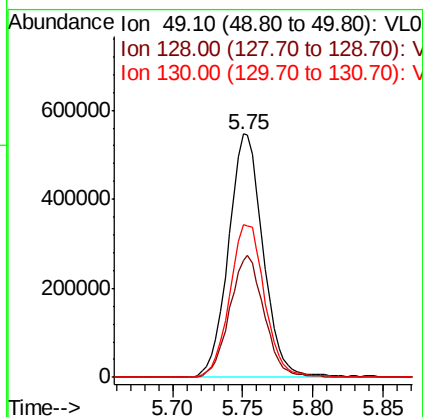
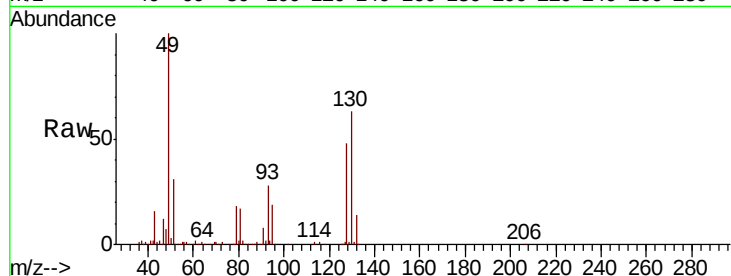
ClientSampleId :

BPS1-DUP-01DL

Tot Ion:	49	Resp:	938062
Ion	Ratio	Lower	Upper
49	100		
128	50.1	25.2	75.6
130	64.2	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:51:19 AM



#9

Propene

Concen: 14.559 ppbv

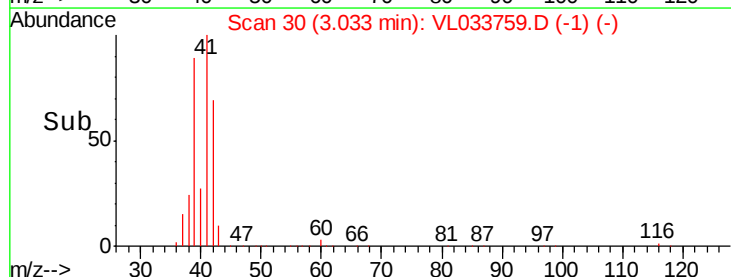
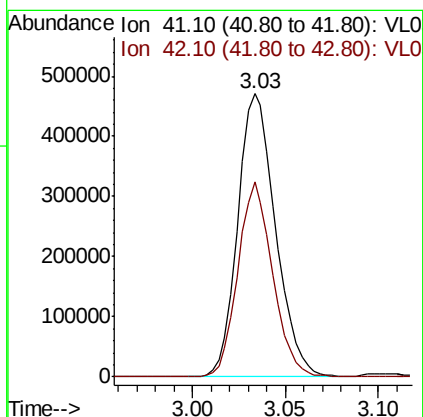
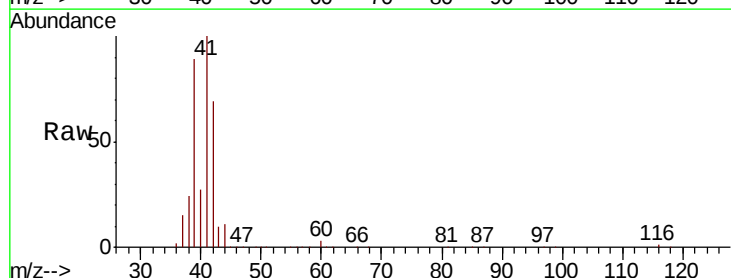
RT: 3.03 min Scan# 30

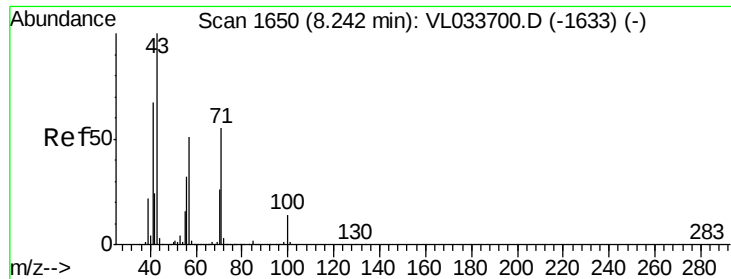
Delta R.T. 0.00 min

Lab File: VL033759.D

Acq: 23 May 2019 00:40

Tgt Ion:	41	Resp:	665410
Ion	Ratio	Lower	Upper
41	100		
42	63.4	56.1	84.1





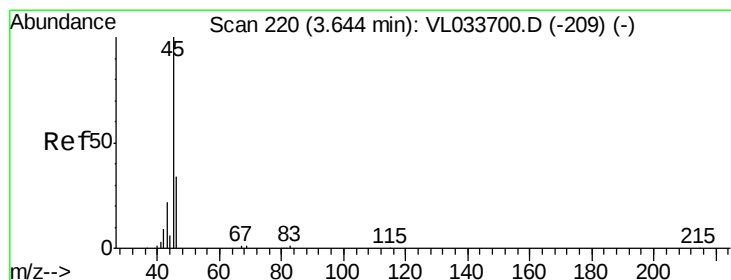
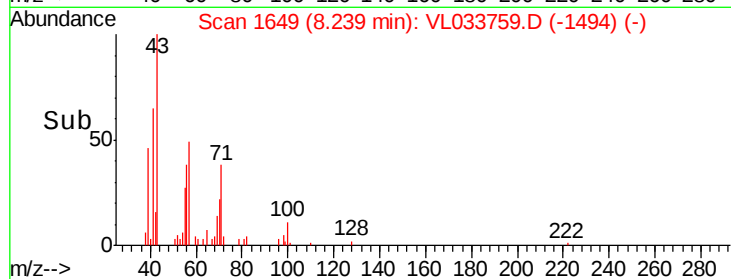
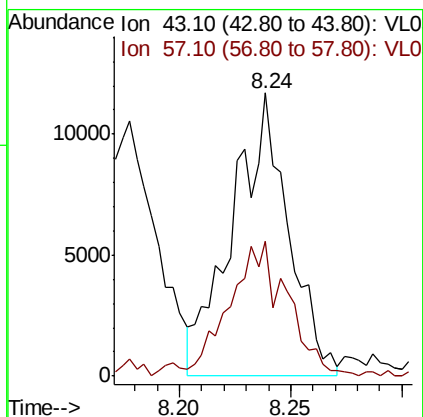
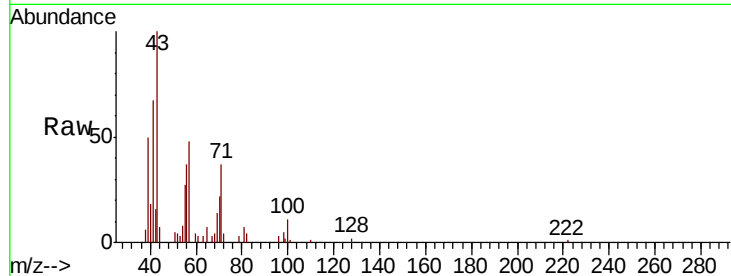
#10
Heptane
Concen: 0.159 ppbv m
RT: 8.24 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tot Ion	43	Resp	20566
Ion Ratio	Lower	Upper	
43	100		
57	0.0	41.4	62.0#

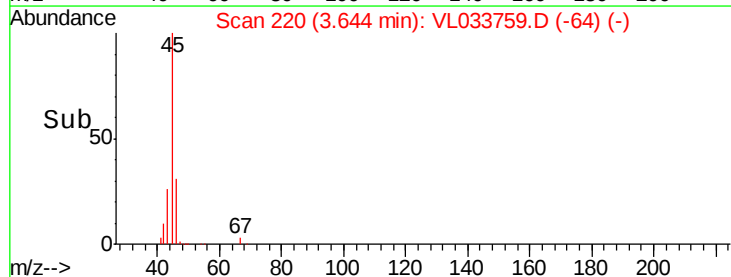
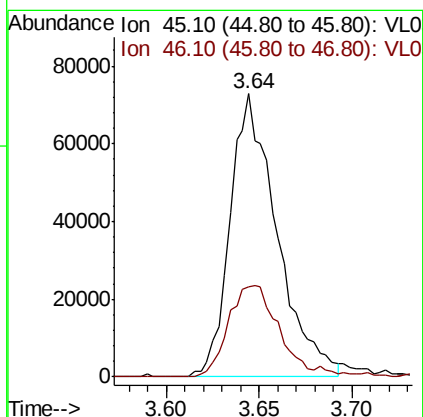
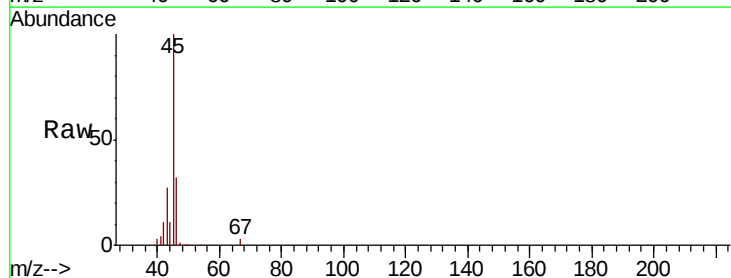
Manual Integrations
APPROVED

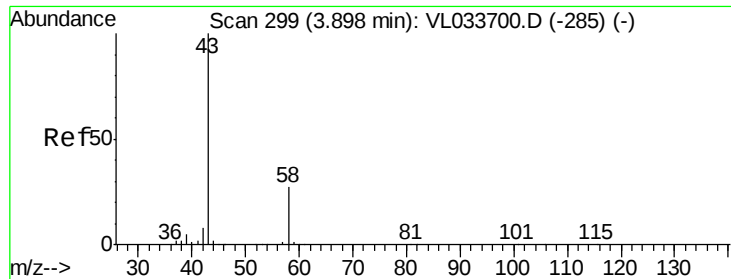
MMDadoda
5/28/2019 2:51:19 AM



#13
Ethanol
Concen: 8.651 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Tgt Ion	45	Resp	127793
Ion Ratio	Lower	Upper	
45	100		
46	36.5	14.8	59.0





#15

Acetone

Concen: 11.341 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033759.D

Acq: 23 May 2019 00:40

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP-01DL

Tot Ion: 43 Resp: 1476004

Ion Ratio Lower Upper

43 100

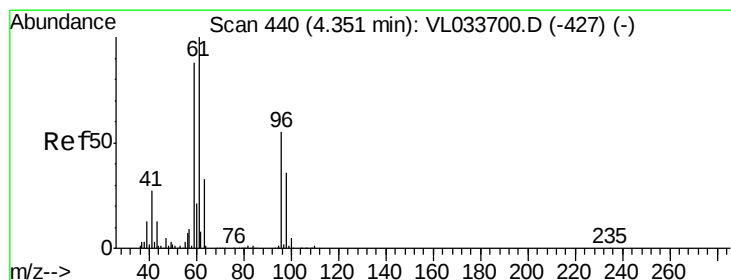
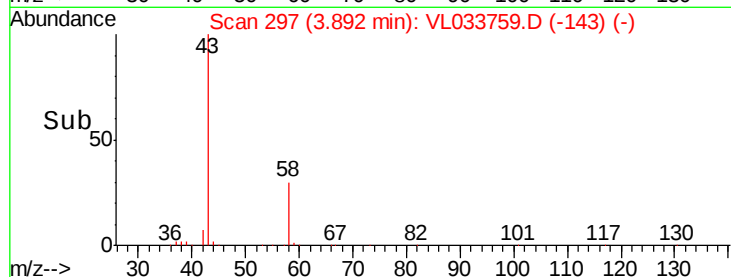
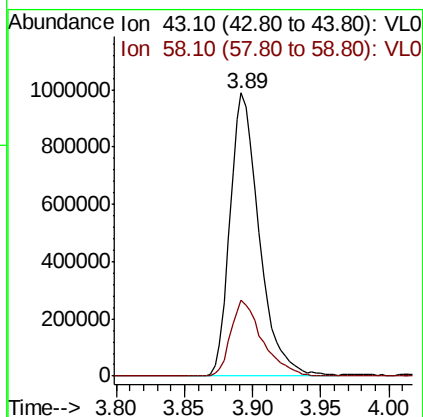
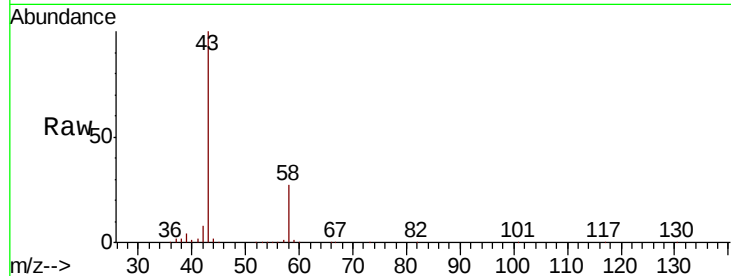
58 29.7 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

5/28/2019 2:51:19 AM



#17

tert-Butyl alcohol

Concen: 0.348 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.01 min

Lab File: VL033759.D

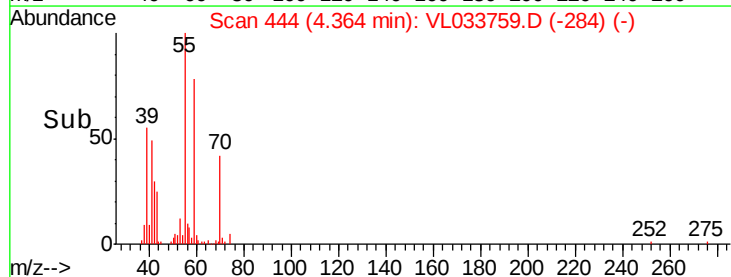
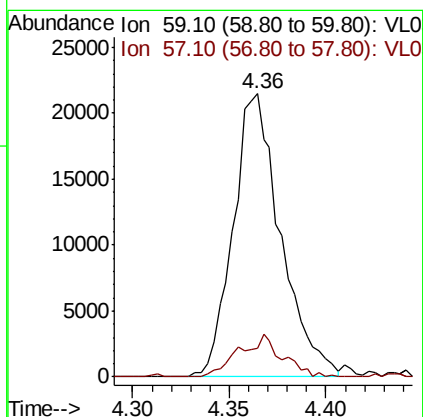
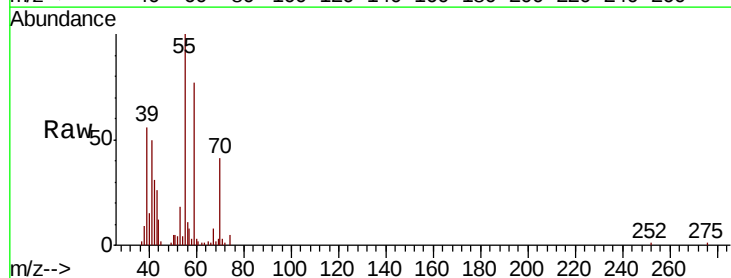
Acq: 23 May 2019 00:40

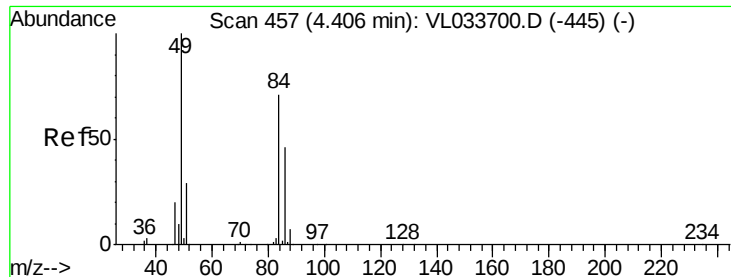
Tgt Ion: 59 Resp: 36604

Ion Ratio Lower Upper

59 100

57 13.6 8.4 12.6#





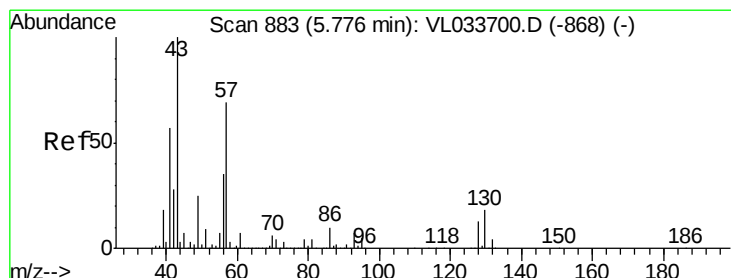
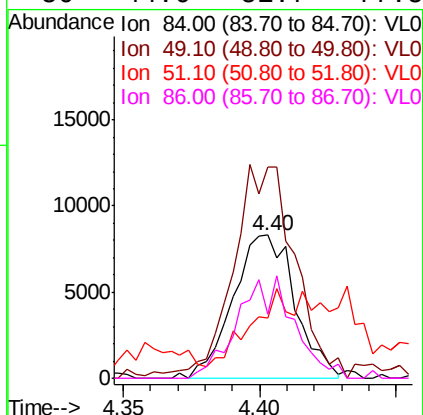
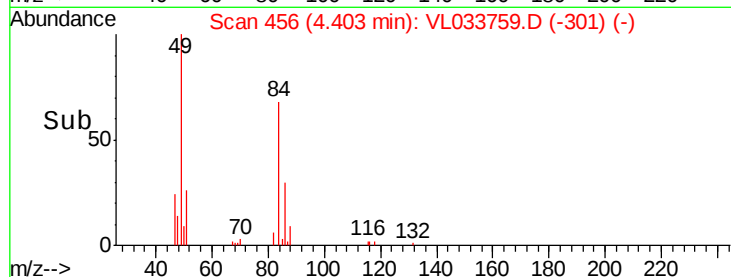
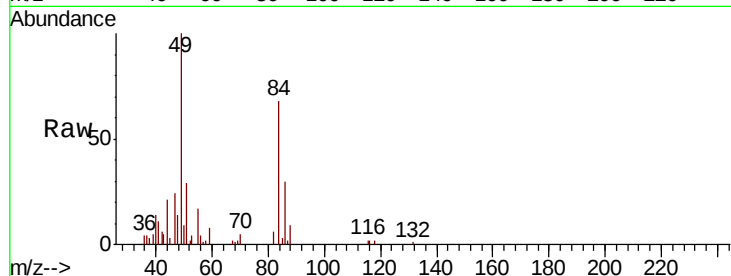
#20
Methvlene Chloride
Concen: 0.260 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	141.3	112.8	169.2	
51	22.9	33.4	50.0	
86	44.6	51.7	77.5	

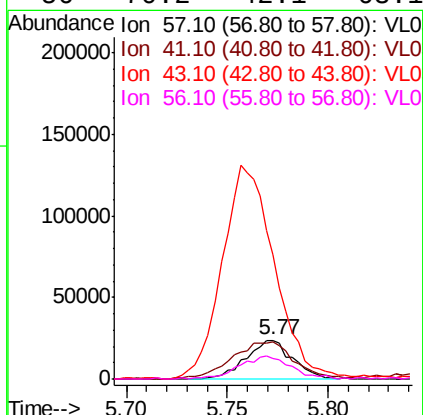
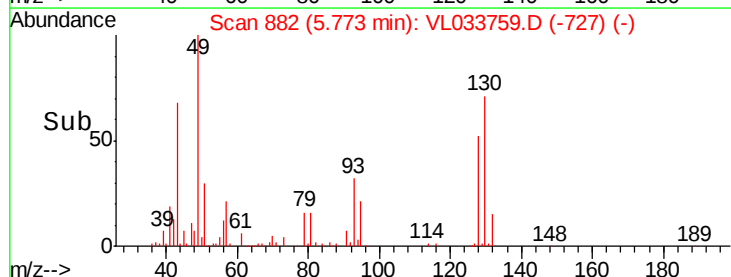
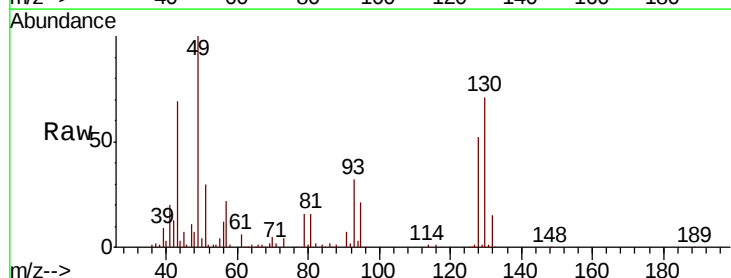
Manual Integrations
APPROVED

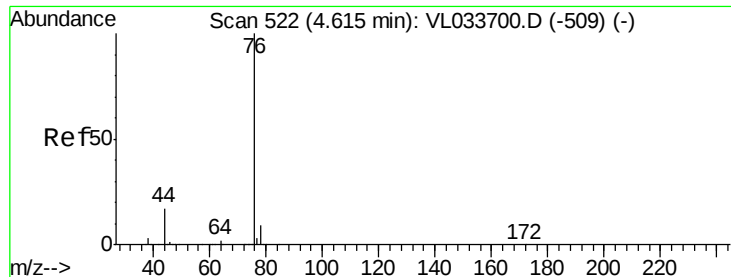
MMDadoda
5/28/2019 2:51:19 AM



#26
Hexane
Concen: 0.391 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	124.6	69.8	104.6	
43	636.6	181.8	272.6	
56	70.2	42.1	63.1	





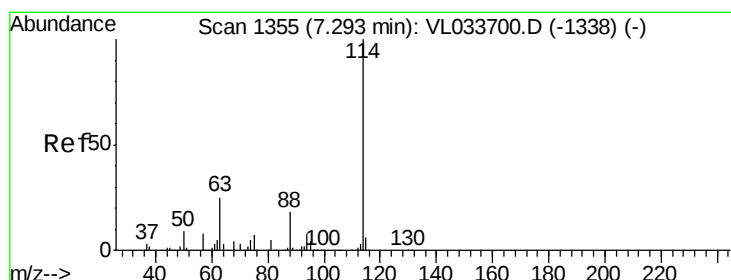
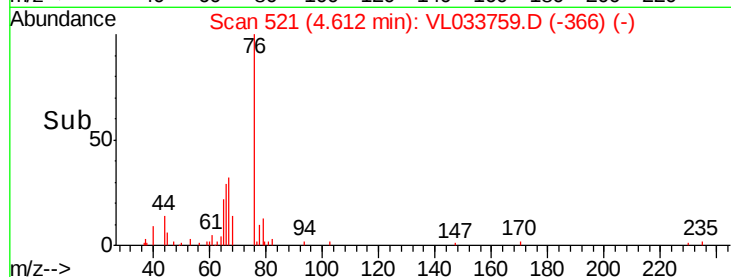
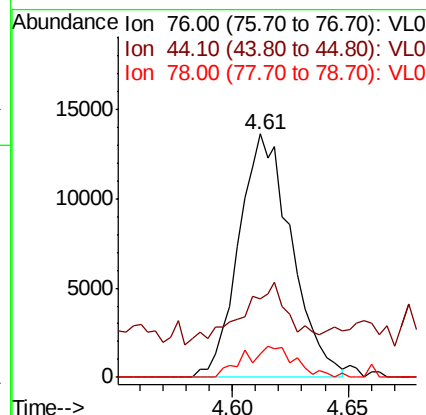
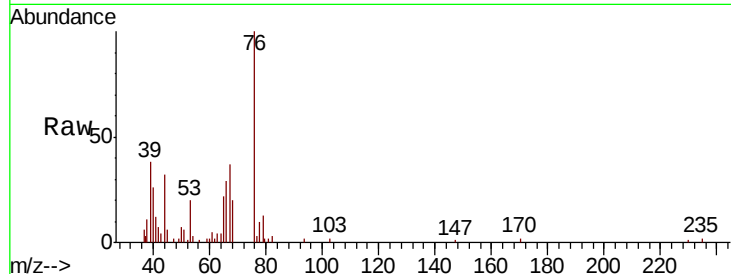
#27
Carbon Disulfide
Concen: 0.159 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.5	13.8	20.8#
78	13.4	7.4	11.0#

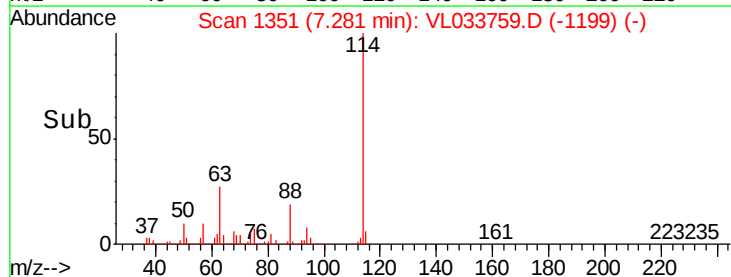
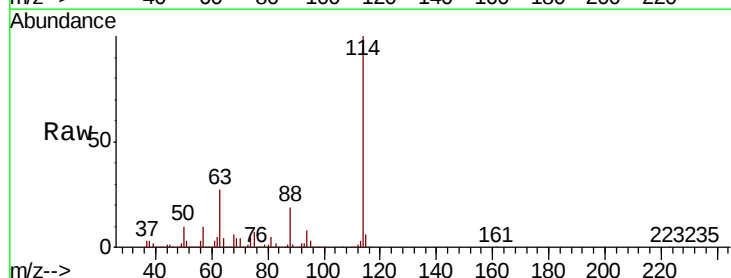
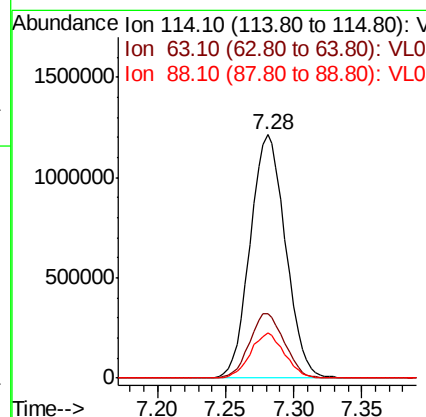
Manual Integrations
APPROVED

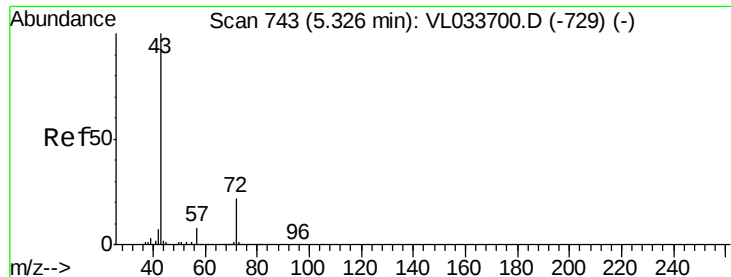
MMDadoda
5/28/2019 2:51:19 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	17.9	14.3	21.5





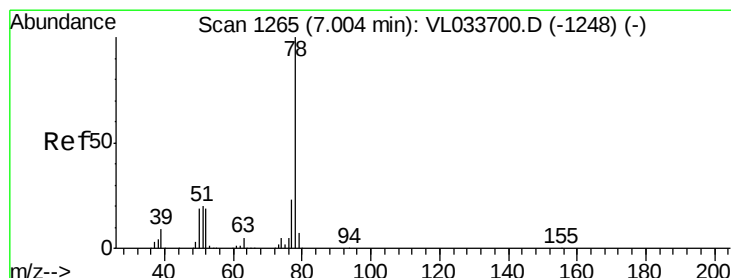
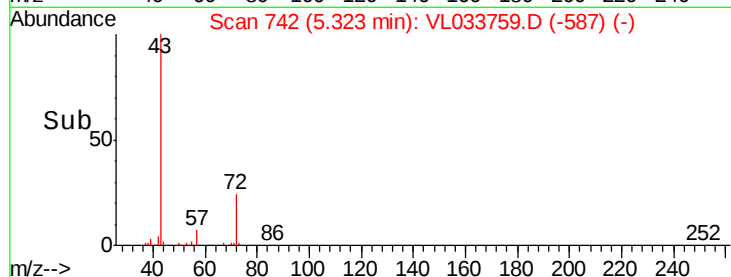
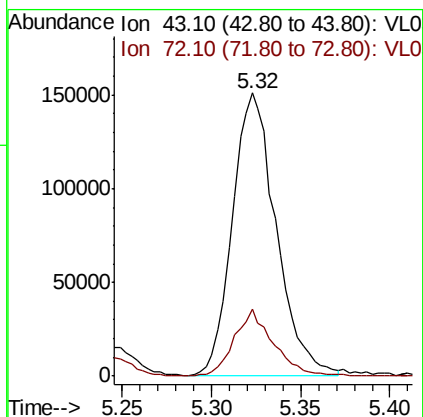
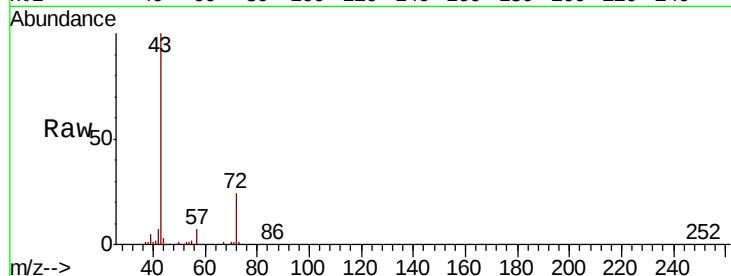
#34
2-Butanone
Concen: 1.884 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.8	26.6

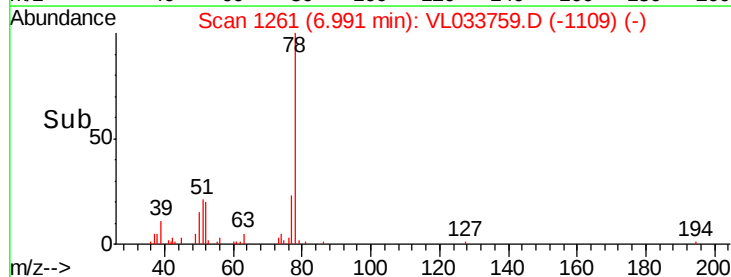
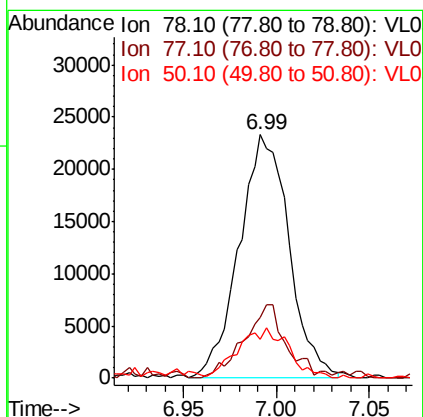
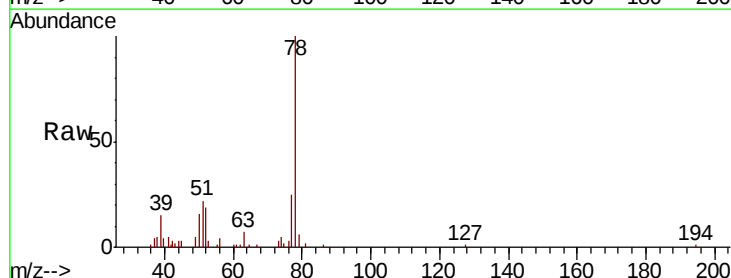
Manual Integrations
APPROVED

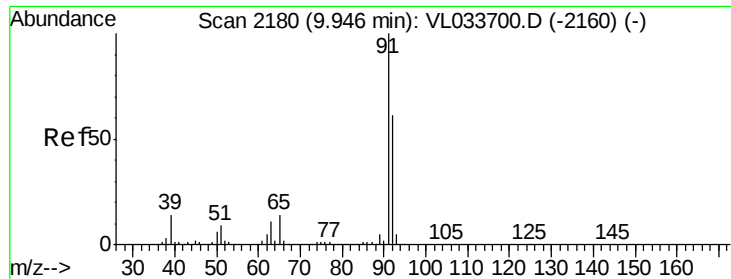
MMDadoda
5/28/2019 2:51:19 AM



#36
Benzene
Concen: 0.219 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.4	27.6
50	15.8	15.5	23.3





#53

Toluene

Concen: 1.491 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VL033759.D

Acq: 23 May 2019 00:40

Instrument :

MSVOA_L

ClientSampleID :

BPS1-DUP-01DL

Tot Ion: 91 Resp: 320423

Ion Ratio Lower Upper

91 100

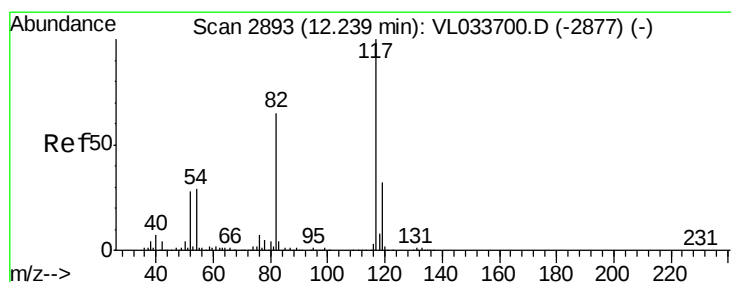
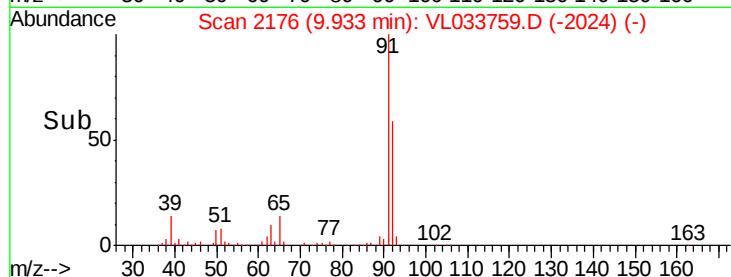
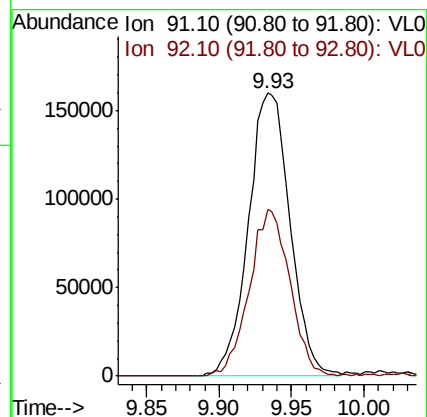
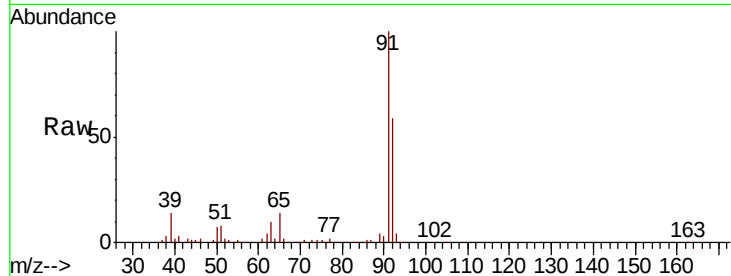
92 57.5 47.6 71.4

Manual Integrations

APPROVED

MMDadoda

5/28/2019 2:51:19 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033759.D

Acq: 23 May 2019 00:40

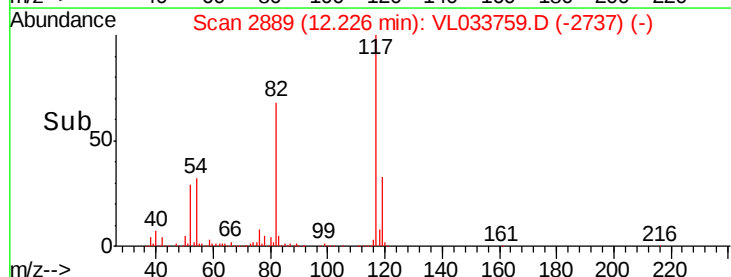
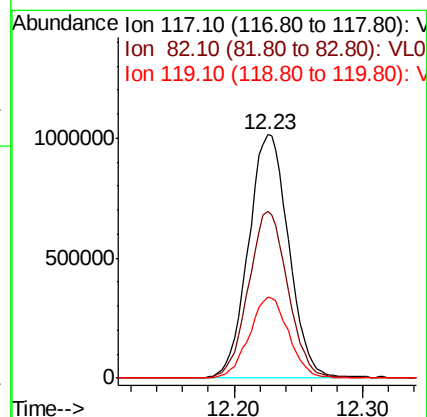
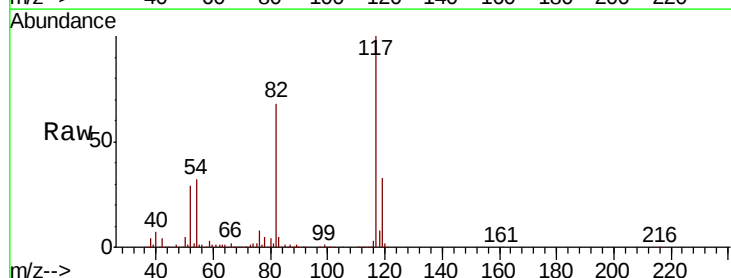
Tgt Ion: 117 Resp: 2206611

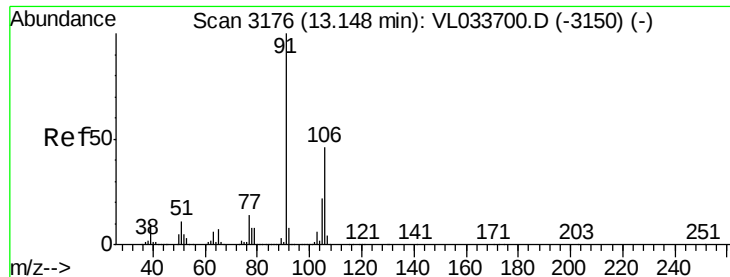
Ion Ratio Lower Upper

117 100

82 67.0 49.4 74.0

119 32.7 24.9 37.3





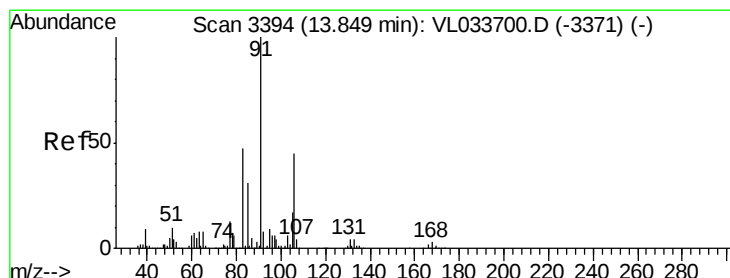
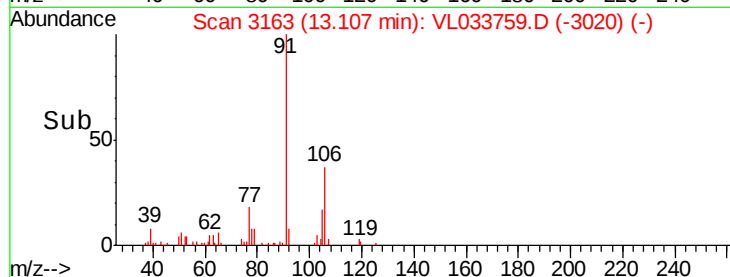
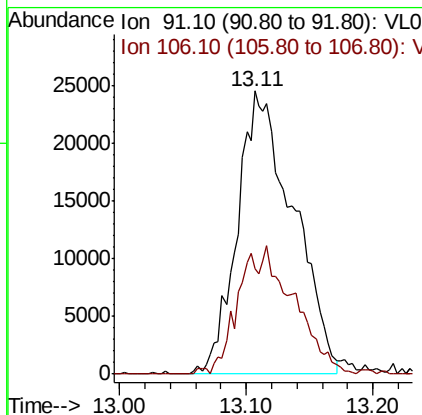
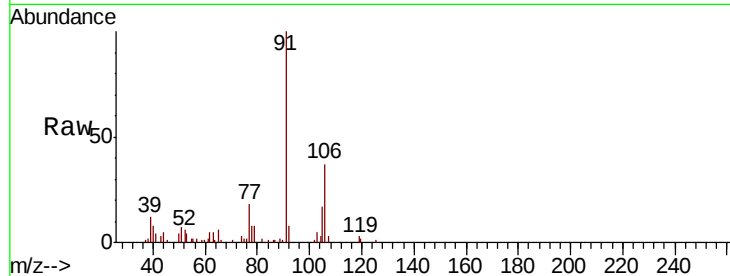
#59
m/p-Xylene
Concen: 0.294 ppbv m
RT: 13.11 min Scan# 3163
Delta R.T. -0.04 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tot Ion: 91 Resp: 75202
Ion Ratio Lower Upper
91 100
106 45.3 35.8 53.6

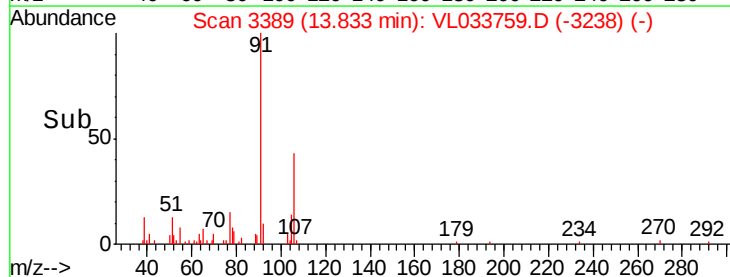
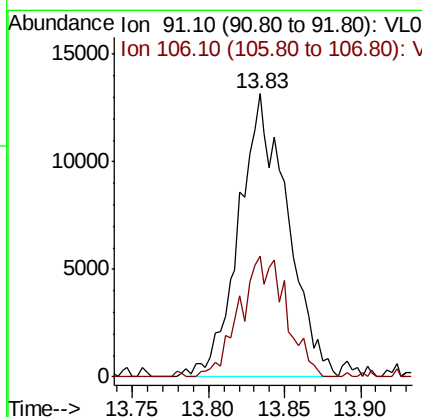
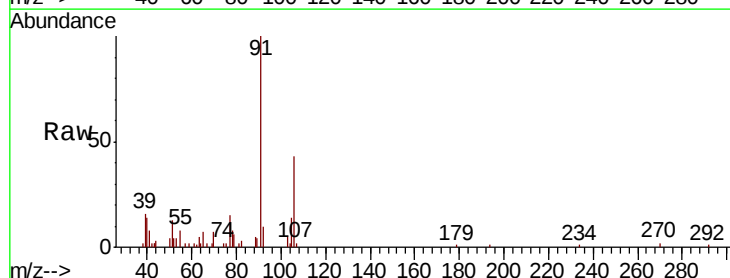
Manual Integrations
APPROVED

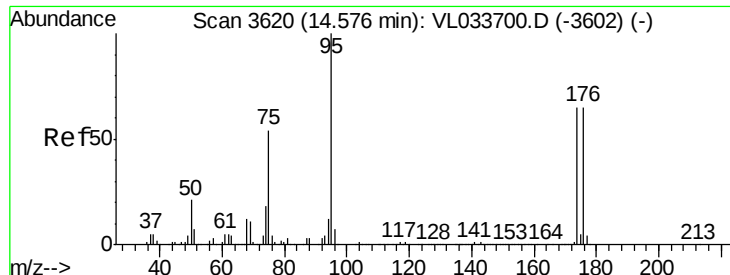
MMDadoda
5/28/2019 2:51:19 AM



#60
o-Xylene
Concen: 0.113 ppbv m
RT: 13.83 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL033759.D
Acq: 23 May 2019 00:40

Tgt Ion: 91 Resp: 29163
Ion Ratio Lower Upper
91 100
106 41.1 21.6 64.8





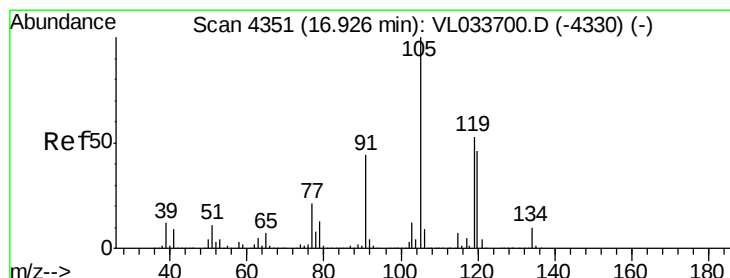
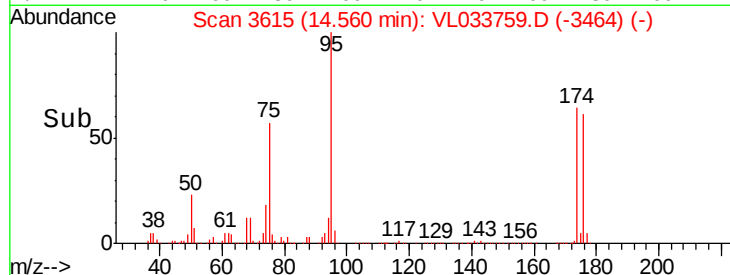
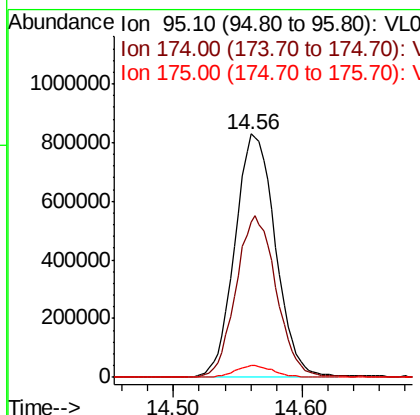
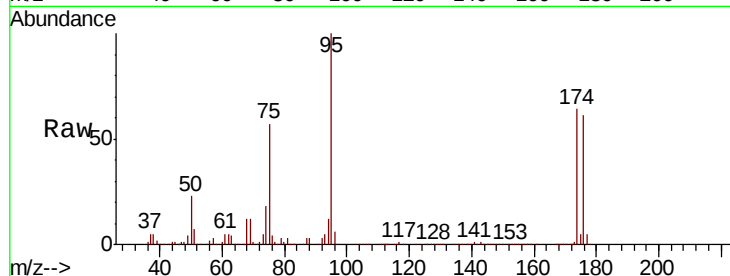
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.146 ppbv
 RT: 14.56 min Scan# 3615
 Delta R.T. -0.02 min
 Lab File: VL033759.D
 Acq: 23 May 2019 00:40

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP-01DL

Tot Ion: 95 Resp: 1815039
 Ion Ratio Lower Upper
 95 100
 174 66.2 53.9 80.9
 175 4.7 3.8 5.8

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:51:19 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.109 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033759.D
 Acq: 23 May 2019 00:40

Tgt Ion: 105 Resp: 34124
 Ion Ratio Lower Upper
 105 100
 120 52.5 36.8 55.2
 91 8.1 35.4 53.0#
 77 11.7 16.8 25.2#

