

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032500.D
 Acq On : 11 Sep 2018 9:47
 Operator : SY/AP
 Sample : J4820-04DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL2

Manual Integrations
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 9/12/2018 3:59:51 PM

Quant Time: Sep 12 05:50:05 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1384434	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3228130	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3403809	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2632731	10.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds

						Ovalue
9) Propene	3.06	41	232418	4.60	ppbv	93
10) Heptane	8.28	43	49998	0.28	ppbv	99
13) Ethanol	3.69	45	32016	2.03	ppbv	92
15) Acetone	3.93	43	599335	4.81	ppbv #	88
20) Methylene Chloride	4.44	84	39110	0.82	ppbv	98
26) Hexane	5.81	57	77461	0.59	ppbv #	12
29) Chloroform	5.88	83	56577	0.28	ppbv	92
30) Cyclohexane	7.28	84	38772m	0.40	ppbv	
34) 2-Butanone	5.35	43	4292865	20.02	ppbv	99
36) Benzene	7.04	78	121632	0.44	ppbv	95
44) 2,2,4-Trimethylpentane	8.02	57	76082m	0.14	ppbv	
51) 2-Hexanone	10.32	43	755853	3.63	ppbv #	96
53) Toluene	9.98	91	96574m	0.34	ppbv	
58) Ethyl Benzene	12.91	91	43348	0.11	ppbv	99
59) m/p-Xylene	13.16	91	73870m	0.20	ppbv	
61) Styrene	13.73	104	24100	0.10	ppbv	97

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

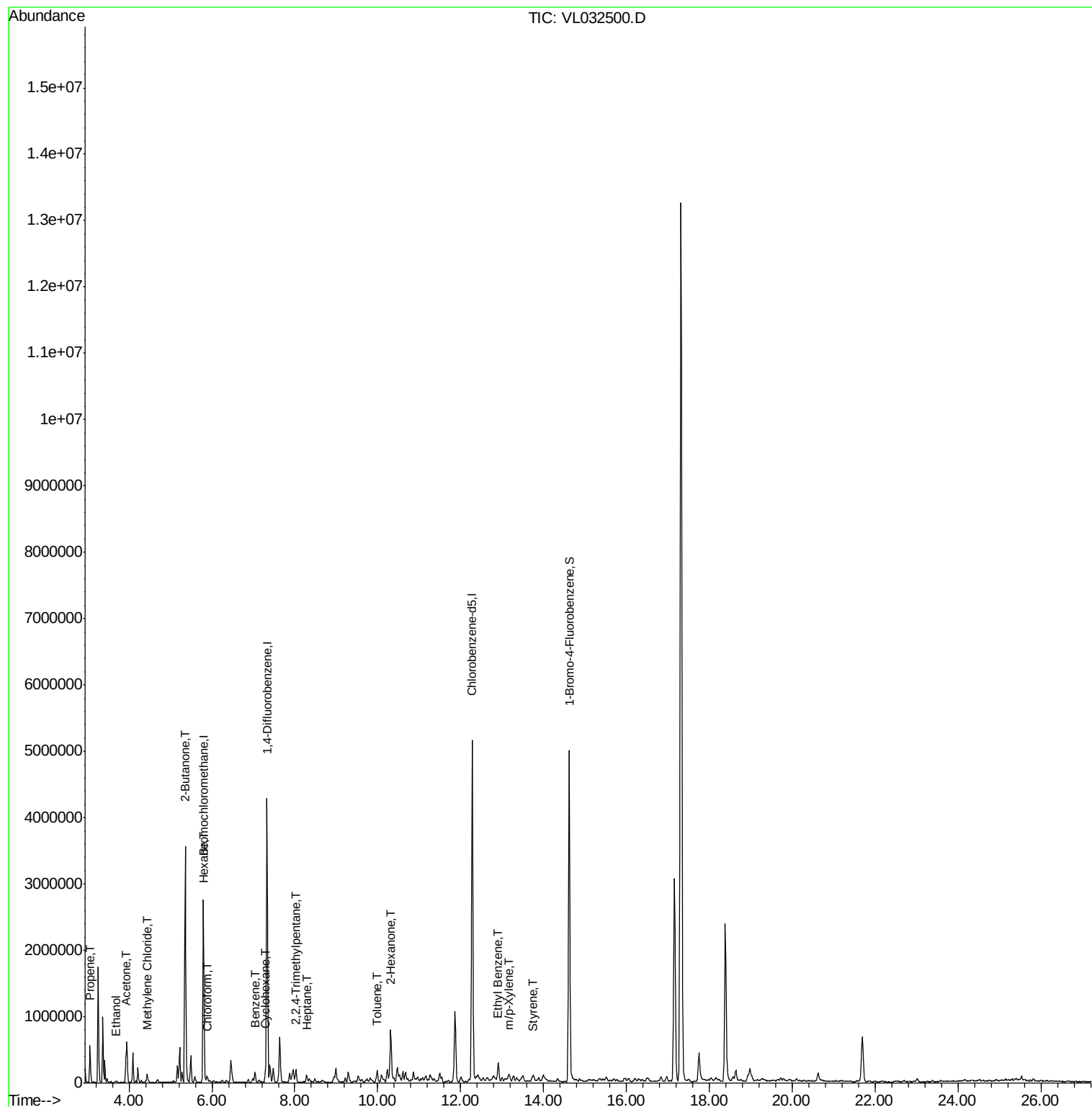
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032500.D
Acq On : 11 Sep 2018 9:47
Operator : SY/AP
Sample : J4820-04DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

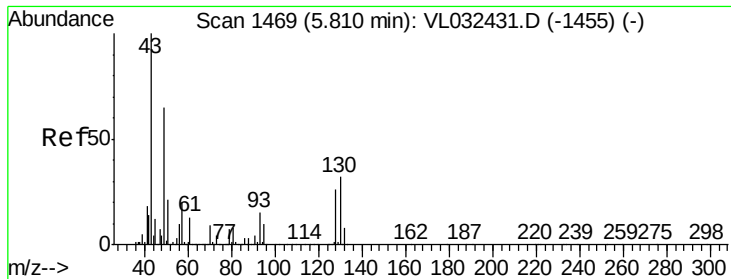
Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Manual Integrations
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9/12/2018 3:59:51 PM

Quant Time: Sep 12 05:50:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





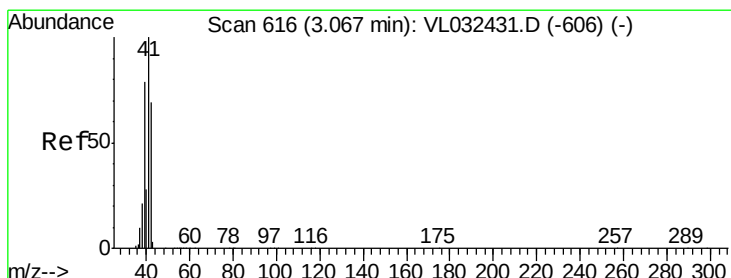
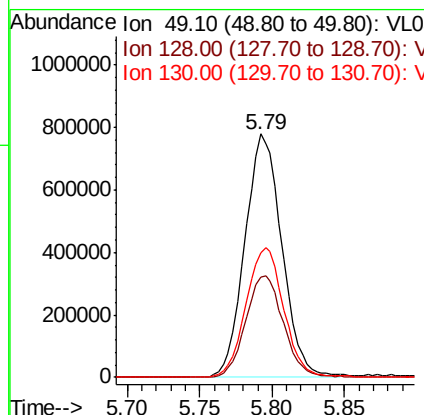
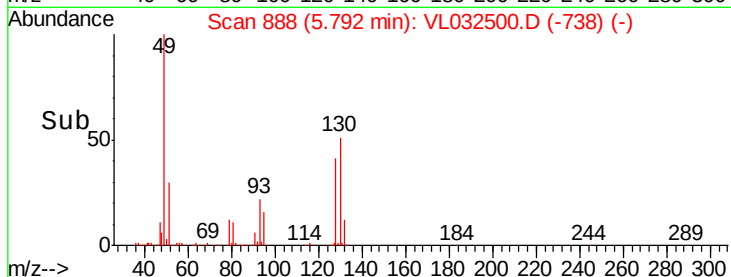
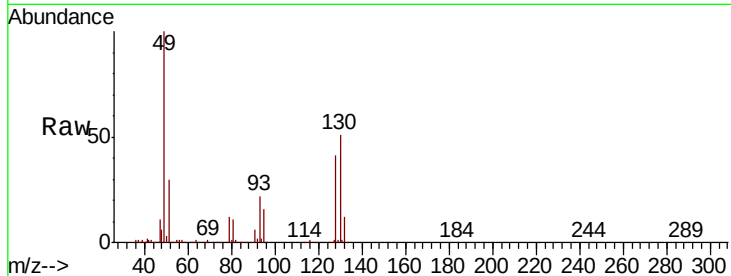
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.79 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: VL032500.D
 Acq: 11 Sep 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleID :
 245-BERRYDL2

Tot Ion: 49 Resp: 1384434
 Ion Ratio Lower Upper
 49 100
 128 42.8 20.7 62.1
 130 54.9 26.6 79.7

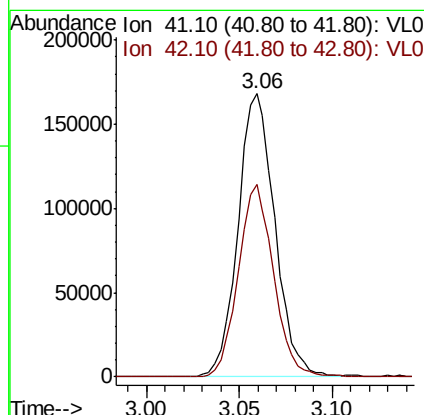
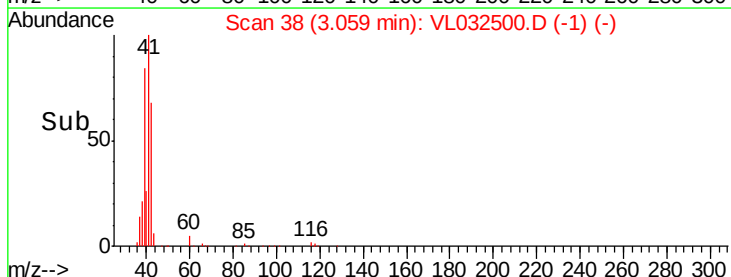
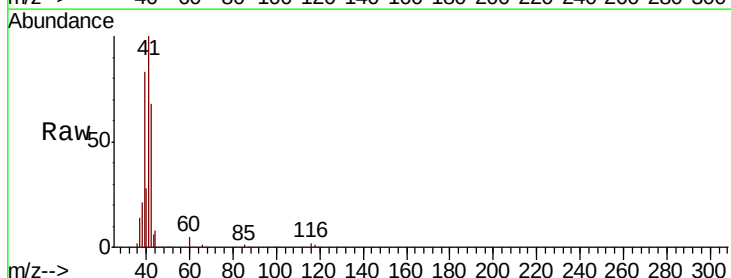
Manual Integrations
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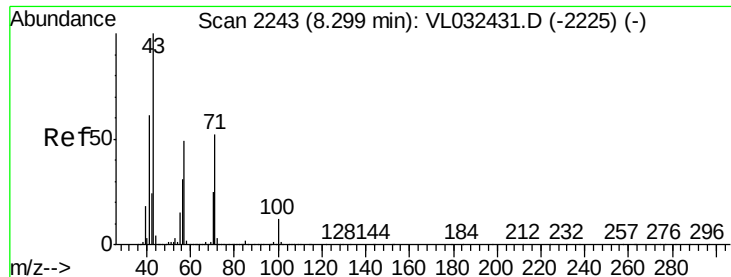
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#9
 Propene
 Concen: 4.60 ppbv
 RT: 3.06 min Scan# 38
 Delta R.T. -0.01 min
 Lab File: VL032500.D
 Acq: 11 Sep 2018 9:47

Tgt Ion: 41 Resp: 232418
 Ion Ratio Lower Upper
 41 100
 42 65.3 56.6 84.8





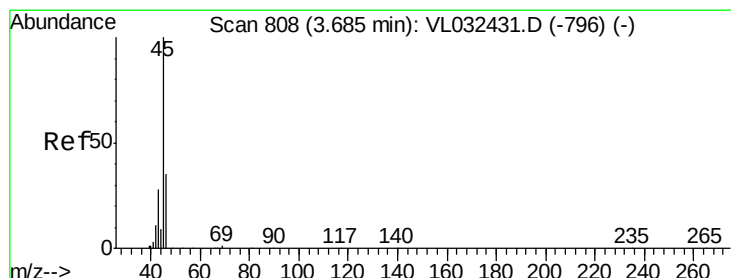
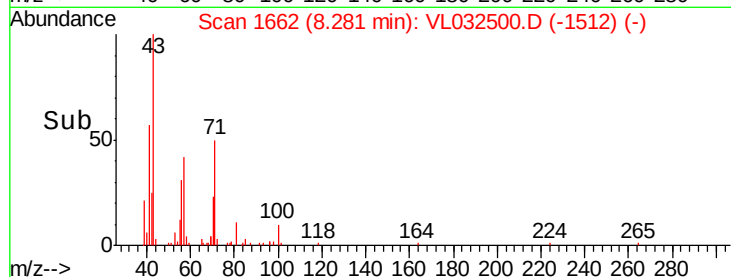
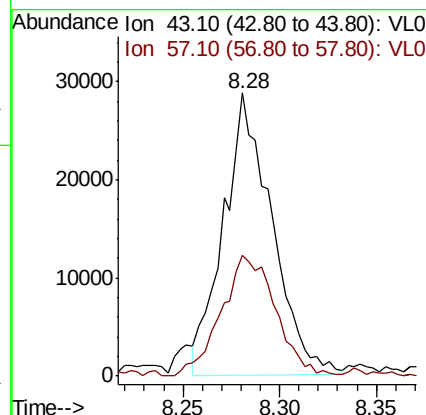
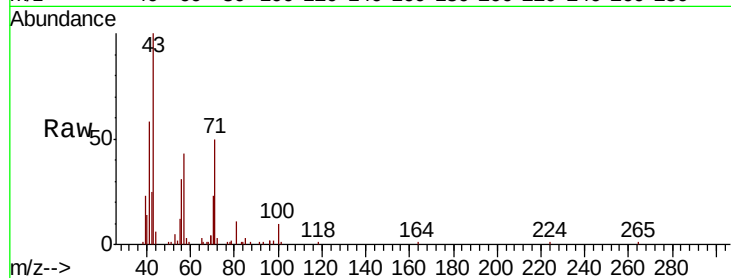
#10
Heptane
Concen: 0.28 ppbv
RT: 8.28 min Scan# 1662
Delta R.T. -0.02 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Tot Ion: 43 Resp: 49998
Ion Ratio Lower Upper
43 100
57 49.9 39.6 59.4

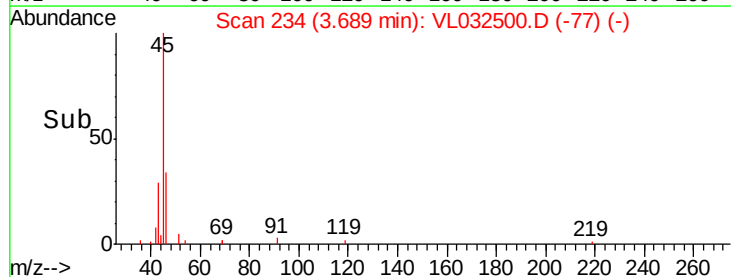
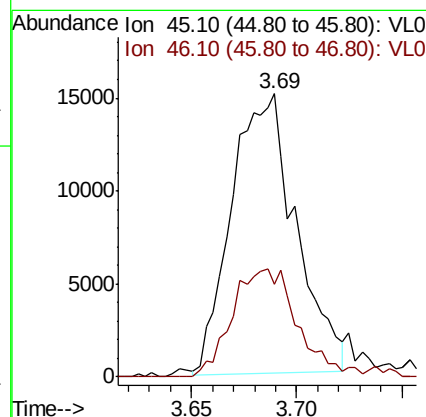
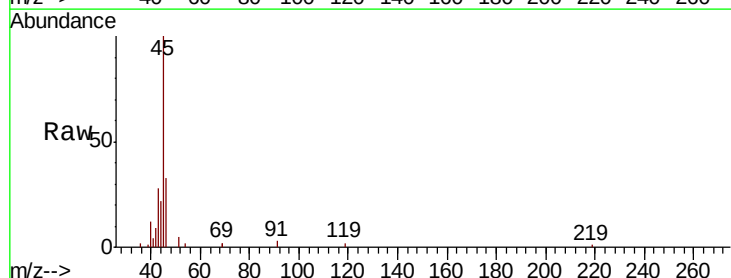
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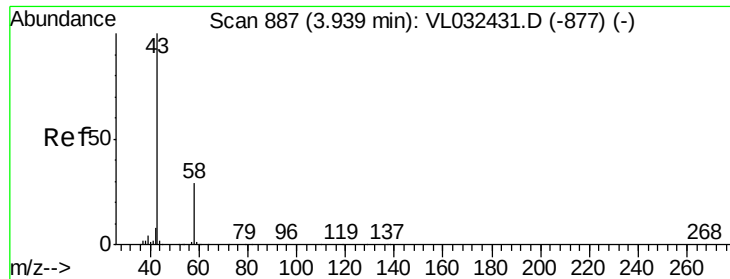
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#13
Ethanol
Concen: 2.03 ppbv
RT: 3.69 min Scan# 234
Delta R.T. 0.00 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Tgt Ion: 45 Resp: 32016
Ion Ratio Lower Upper
45 100
46 40.1 14.2 56.8





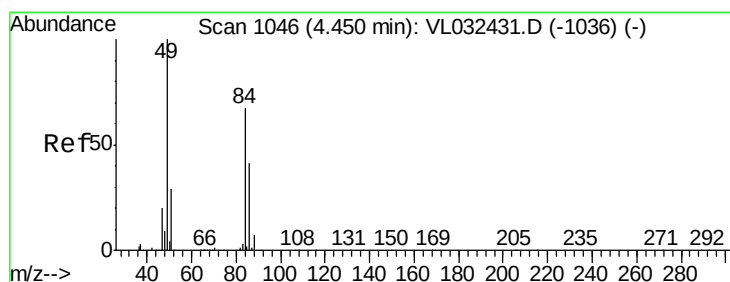
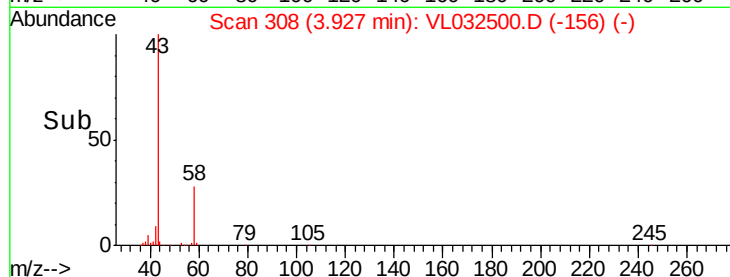
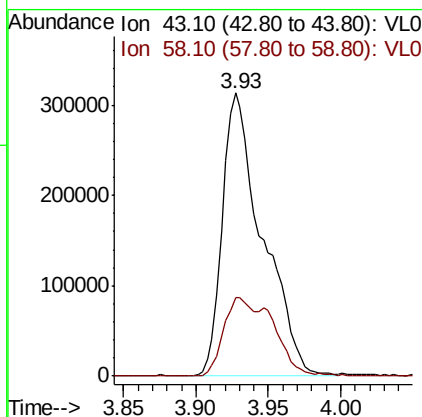
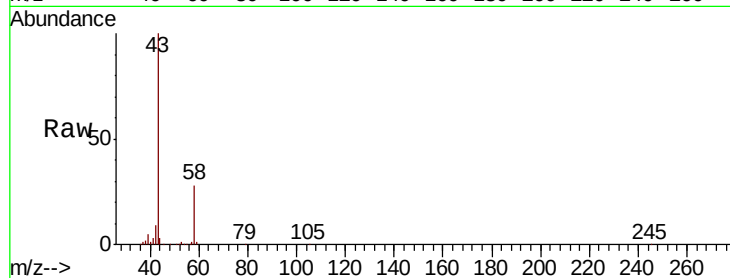
#15
Acetone
Concen: 4.81 ppbv
RT: 3.93 min Scan# 308
Delta R.T. -0.01 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.4	22.6	33.8#

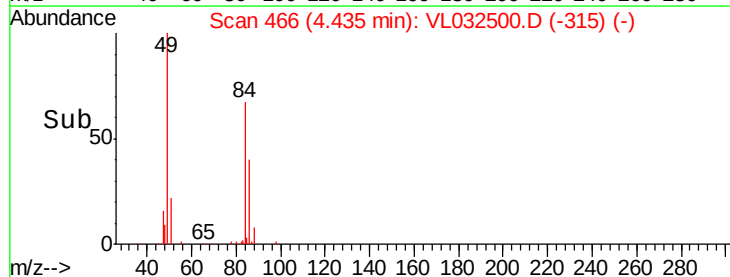
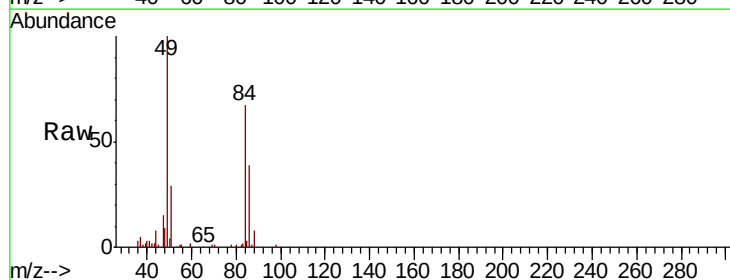
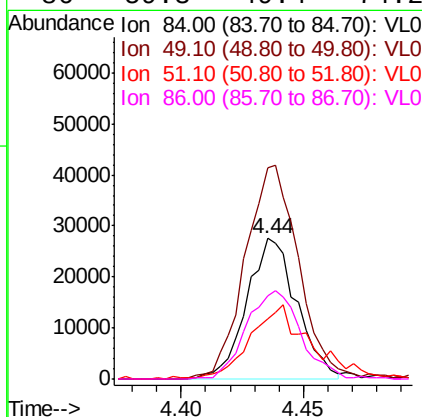
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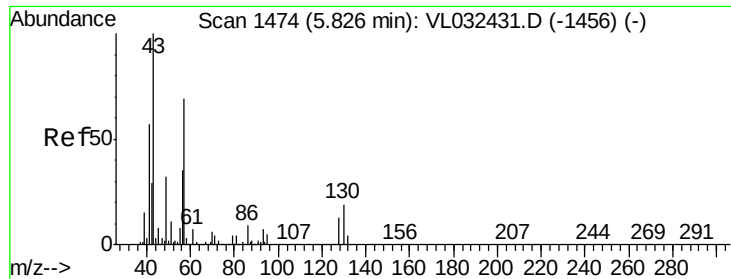
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#20
Methylene Chloride
Concen: 0.82 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.4	119.1	178.7
51	42.0	35.2	52.8
86	59.3	49.4	74.2





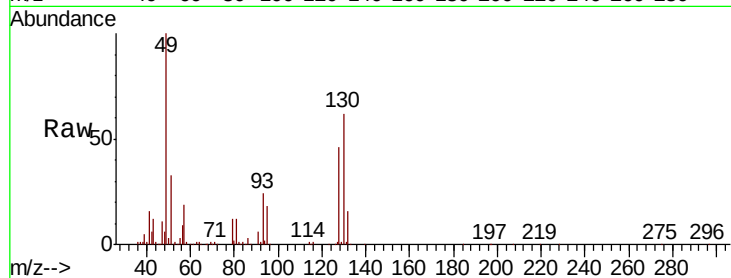
#26
Hexane
Concen: 0.59 ppbv
RT: 5.81 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Tot Ion	Ratio	Lower	Upper
57	100		
41	102.8	69.0	103.4
43	0.0	172.1	258.1#
56	59.5	42.2	63.2

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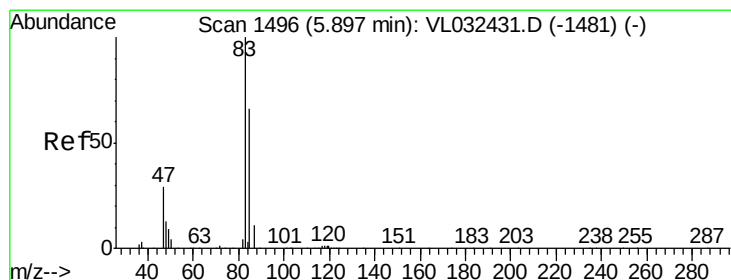
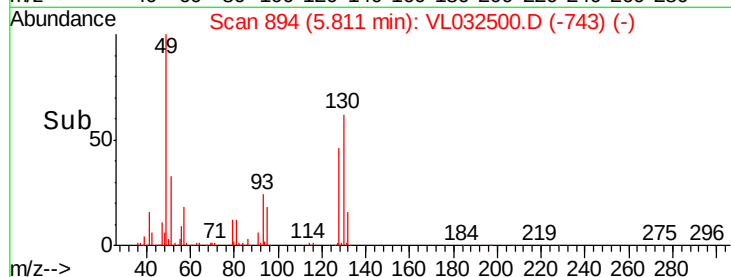
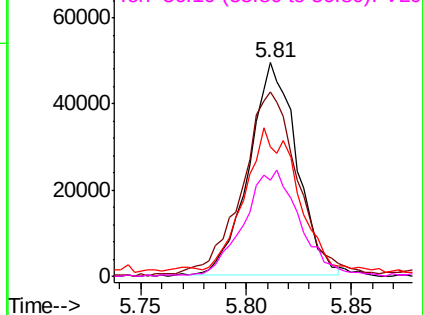
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

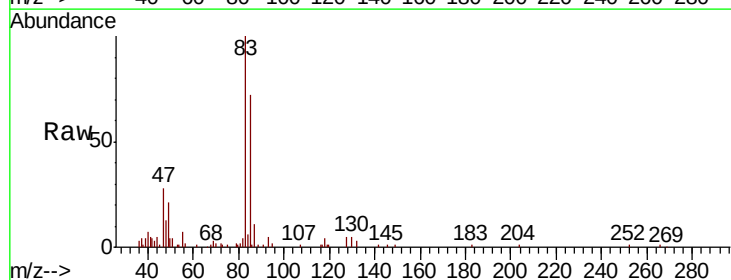
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29
Chloroform
Concen: 0.28 ppbv
RT: 5.88 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

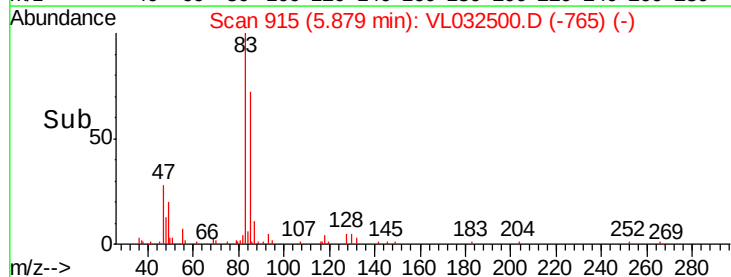
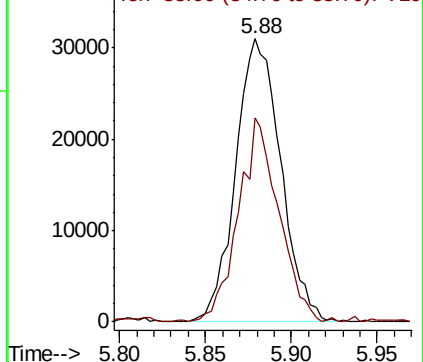
Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.0	52.5	78.7

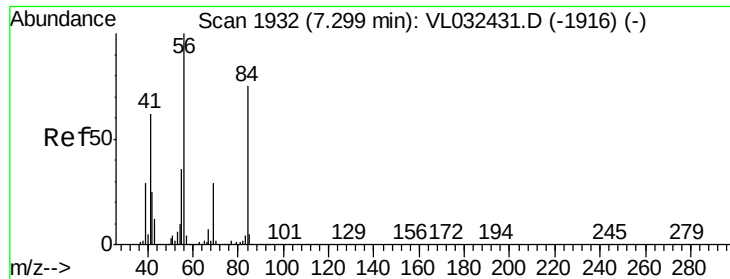


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





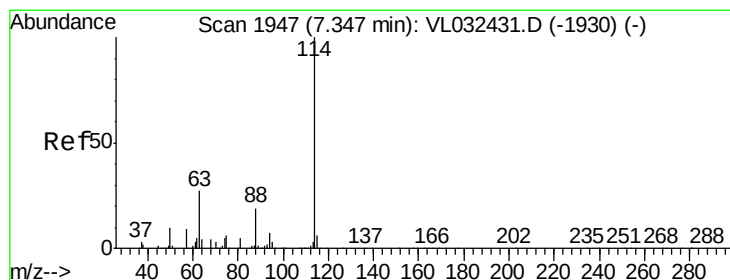
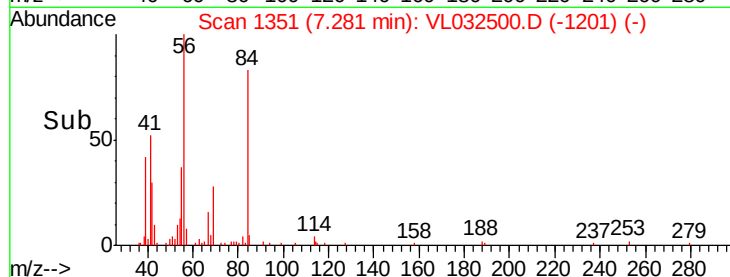
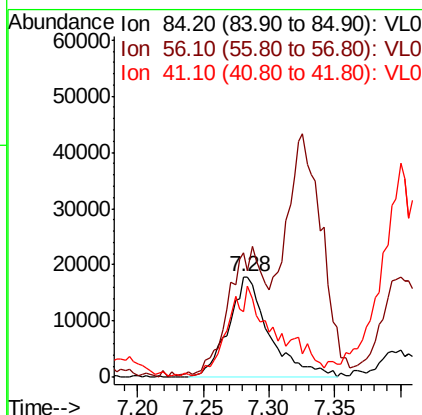
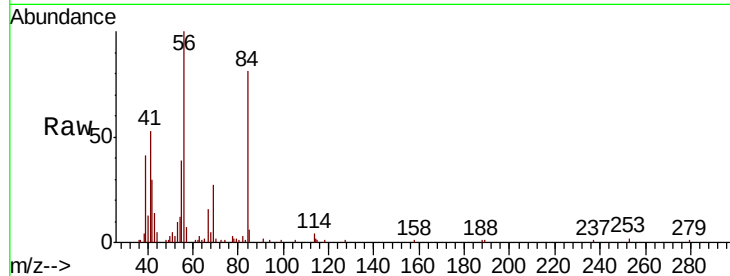
#30
Cyclohexane
Concen: 0.40 ppbv m
RT: 7.28 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Tot Ion	Ratio	Lower	Upper
84	100		
56	114.2	113.5	170.3
41	107.3	68.1	102.1#

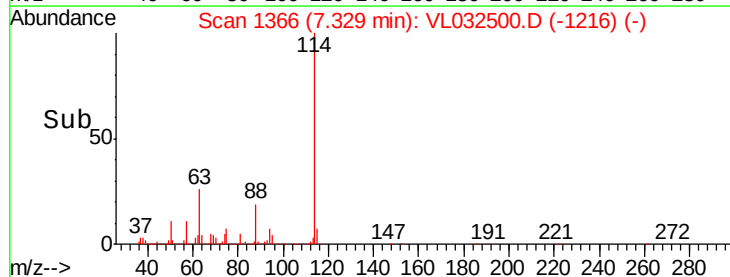
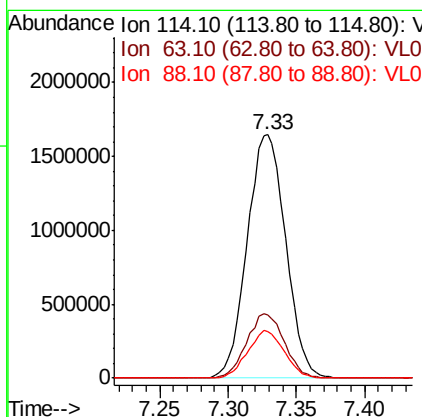
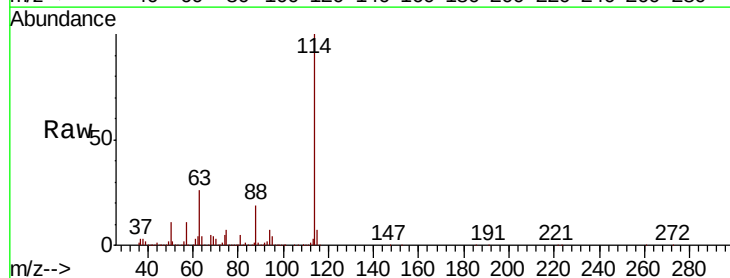
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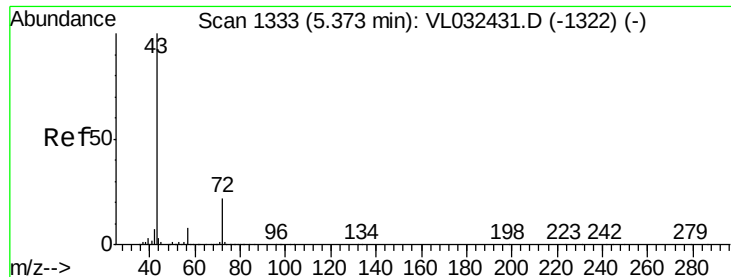
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.33 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.0	22.2	33.4
88	18.7	15.0	22.4





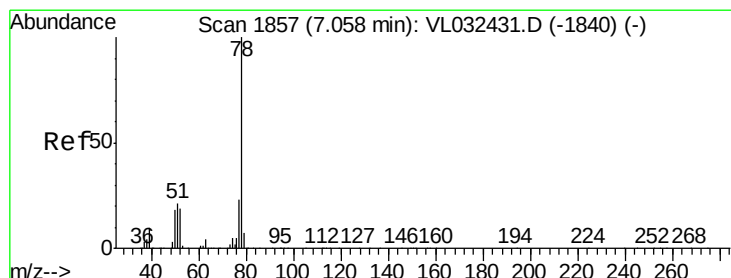
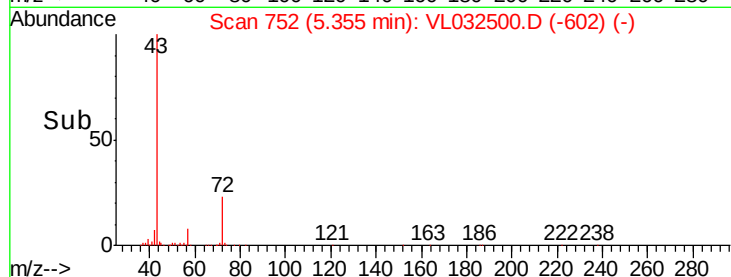
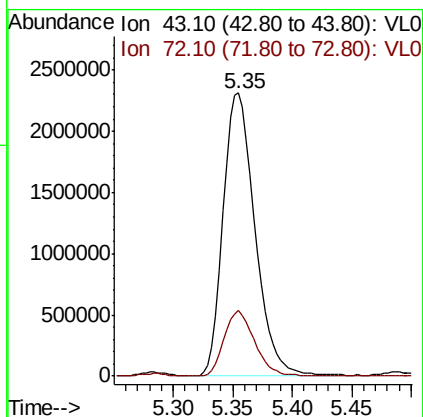
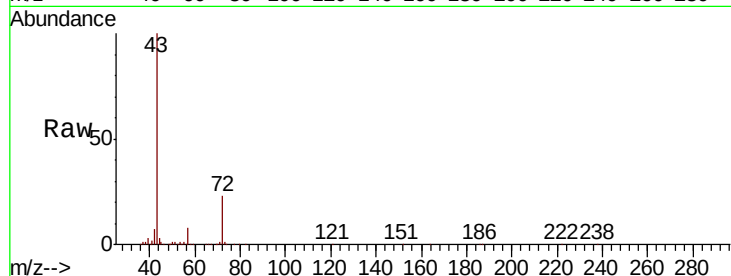
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 2-Butanone
 Concen: 20.02 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032500.D
 Acq: 11 Sep 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL2

Tot Ion: 43 Resp: 4292865
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6

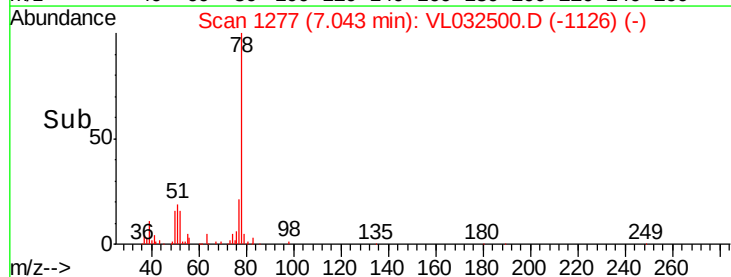
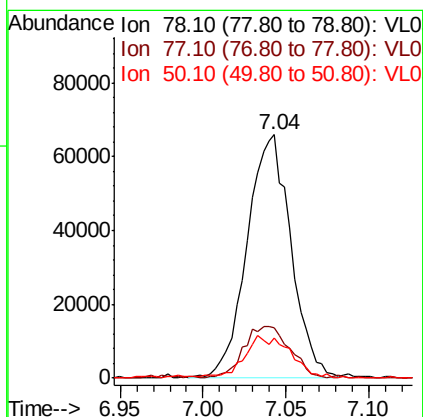
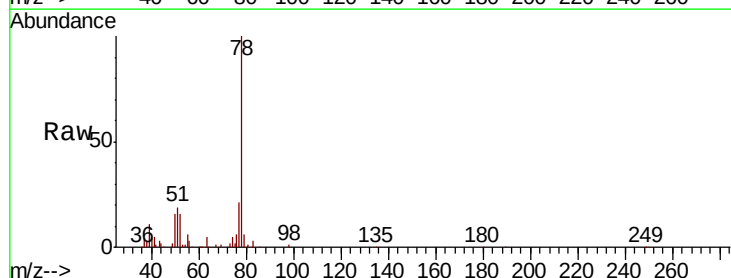
Manual Integrations
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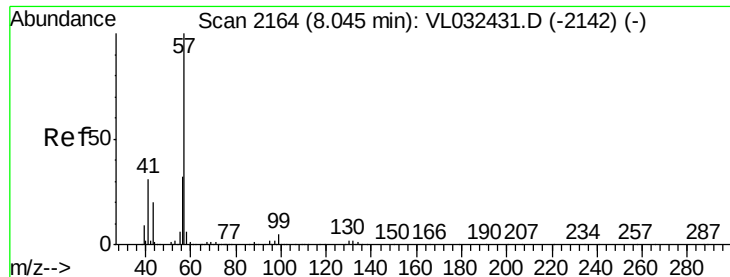
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#36
 Benzene
 Concen: 0.44 ppbv
 RT: 7.04 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VL032500.D
 Acq: 11 Sep 2018 9:47

Tgt Ion: 78 Resp: 121632
 Ion Ratio Lower Upper
 78 100
 77 20.3 18.4 27.6
 50 15.9 14.4 21.6





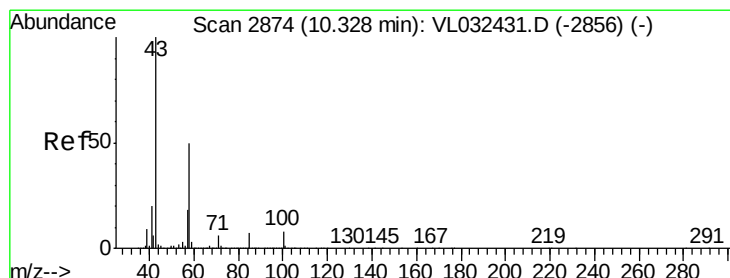
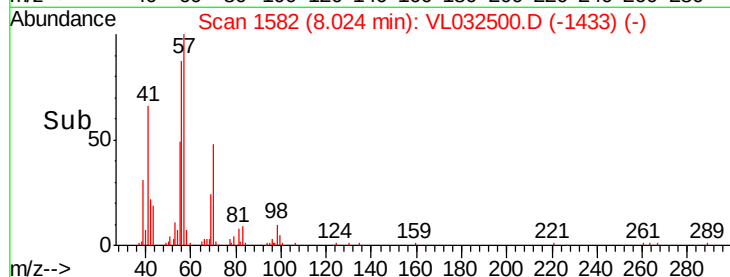
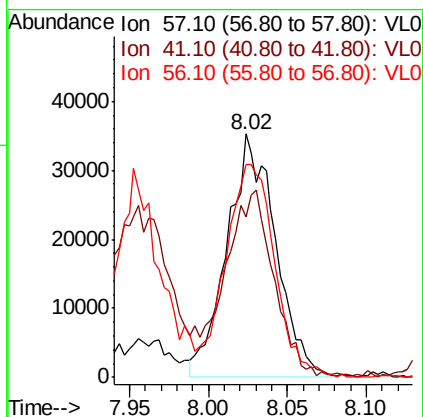
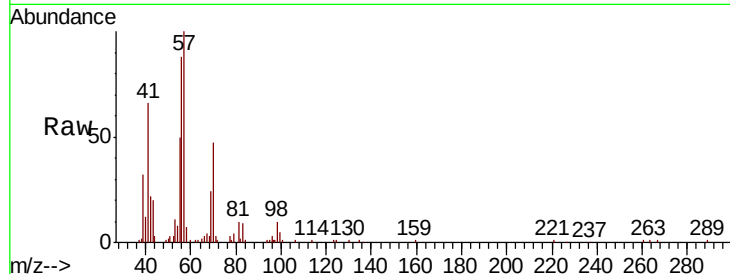
#44
 2,2,4-Trimethylpentane
 Concen: 0.14 ppbv m
 RT: 8.02 min Scan# 1582
 Delta R.T. -0.02 min
 Lab File: VL032500.D
 Acq: 11 Sep 2018 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL2

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	24.4	36.6#
56	0.0	25.7	38.5#

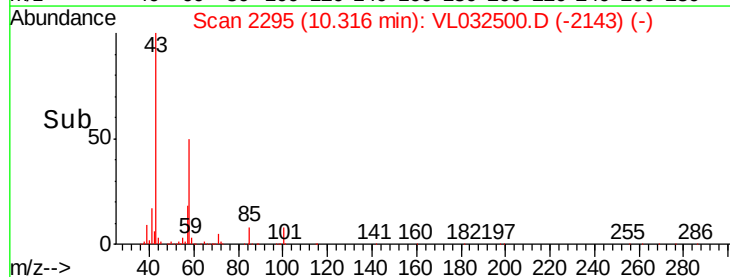
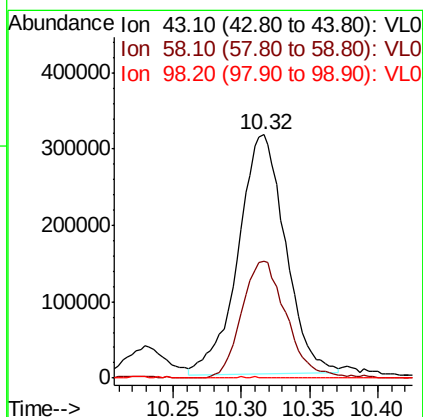
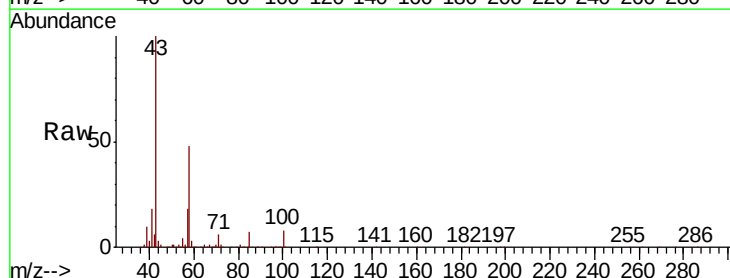
Manual Integrations
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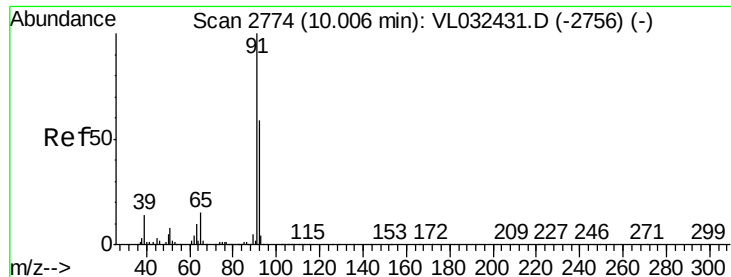
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#51
 2-Hexanone
 Concen: 3.63 ppbv
 RT: 10.32 min Scan# 2295
 Delta R.T. -0.01 min
 Lab File: VL032500.D
 Acq: 11 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.2	39.2	58.8
98	0.3	0.4	0.6#





#53

Toluene

Concen: 0.34 ppbv m

RT: 9.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL032500.D

Acq: 11 Sep 2018 9:47

Instrument :

MSVOA_L

ClientSampleId :

245-BERRYDL2

Tot Ion: 91 Resp: 96574

Ion Ratio Lower Upper

91 100

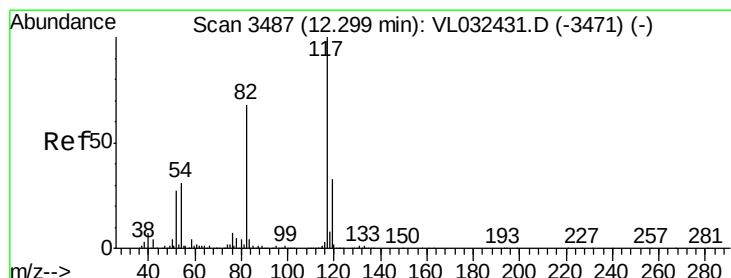
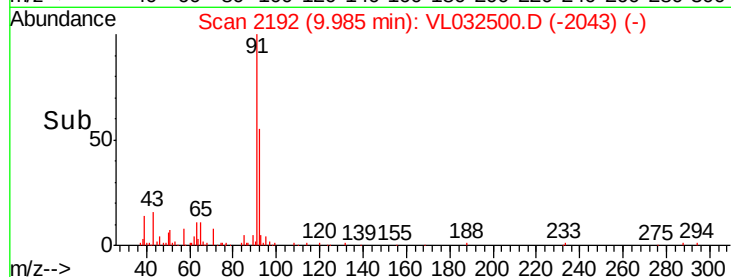
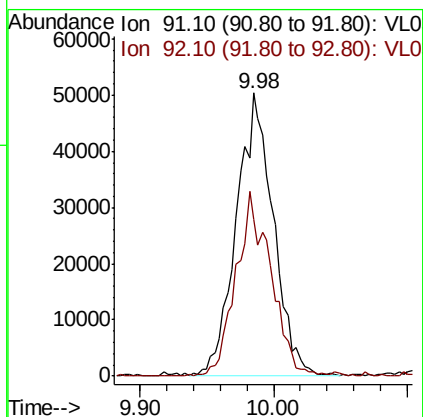
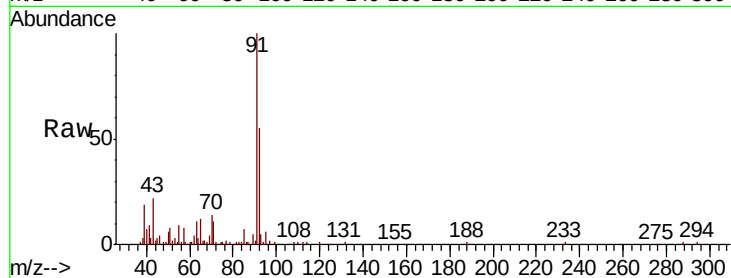
92 61.9 48.1 72.1

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. -0.02 min

Lab File: VL032500.D

Acq: 11 Sep 2018 9:47

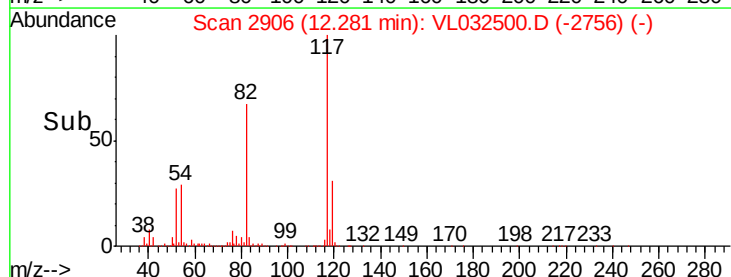
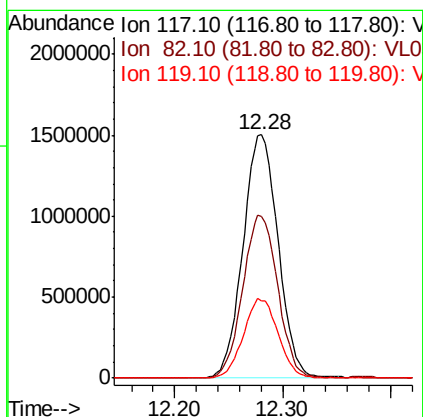
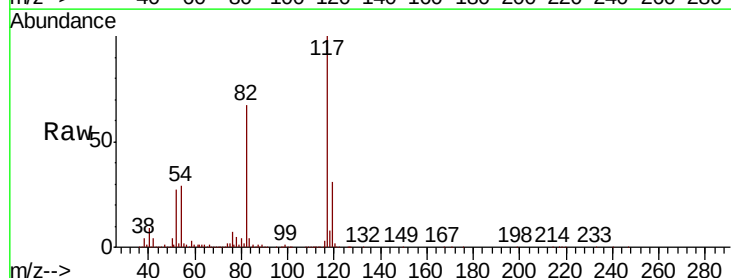
Tgt Ion: 117 Resp: 3403809

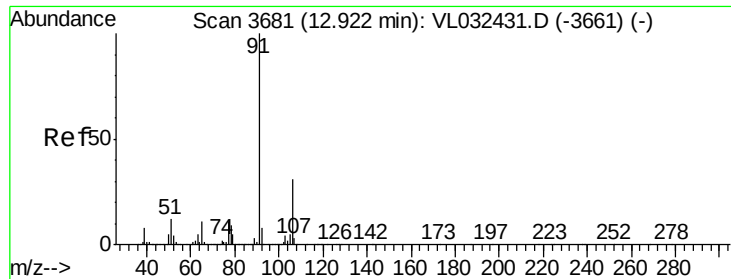
Ion Ratio Lower Upper

117 100

82 66.9 53.0 79.6

119 32.6 45.9 68.9#





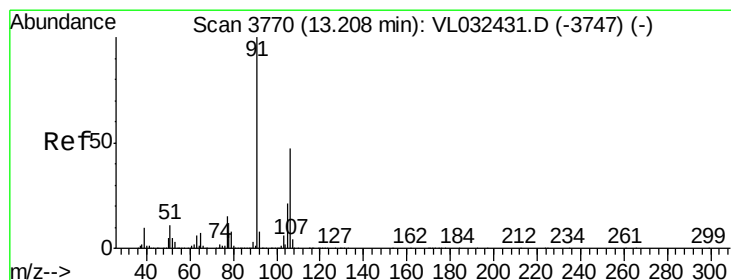
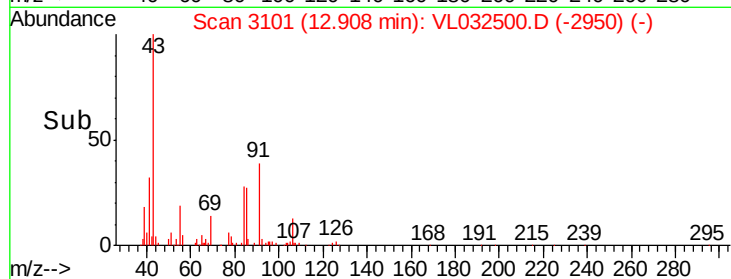
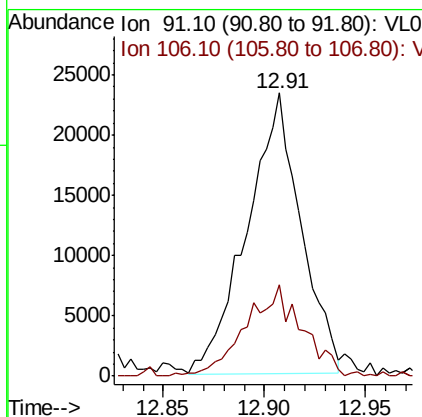
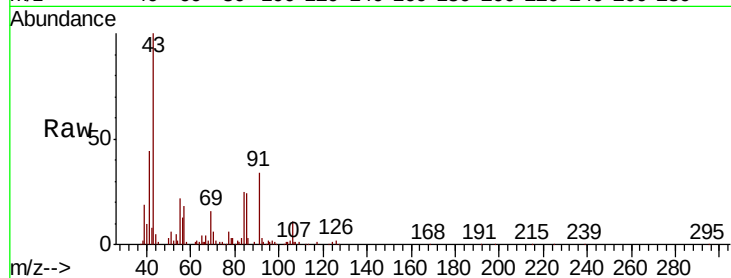
#58
Ethyl Benzene
Concen: 0.11 ppbv
RT: 12.91 min Scan# 3101
Delta R.T. -0.01 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Tot Ion: 91 Resp: 43348
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

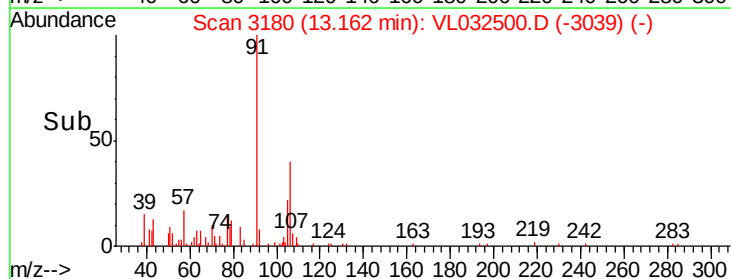
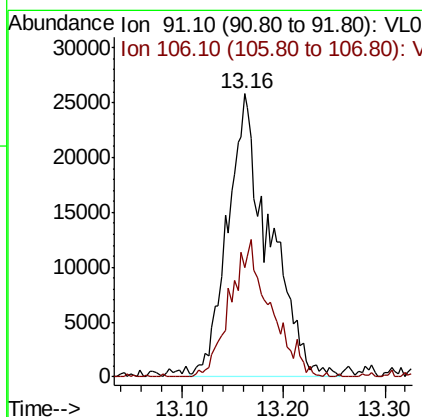
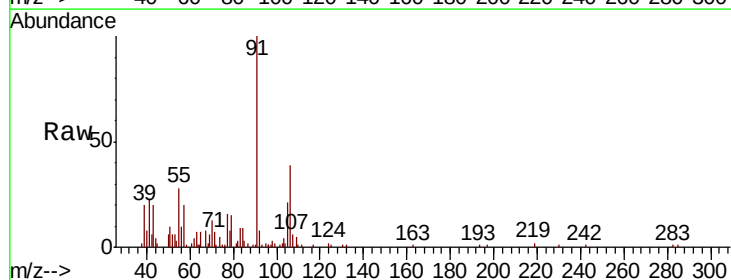
Manual Integrations
APPROVED

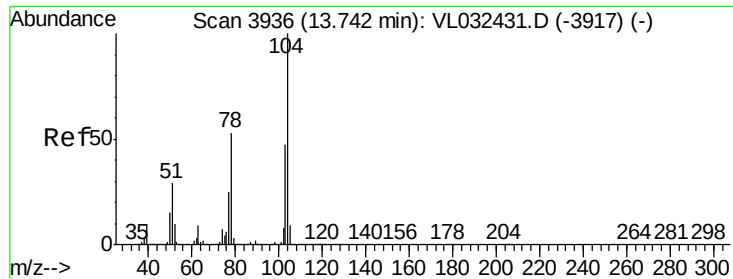
MMDadoda
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#59
m/p-Xylene
Concen: 0.20 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. -0.05 min
Lab File: VL032500.D
Acq: 11 Sep 2018 9:47

Tgt Ion: 91 Resp: 73870
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#





#61

Stvrene

Concen: 0.10 ppbv

RT: 13.73 min Scan# 3356

Delta R.T. -0.01 min

Lab File: VL032500.D

Acq: 11 Sep 2018 9:47

Instrument :

MSVOA_L

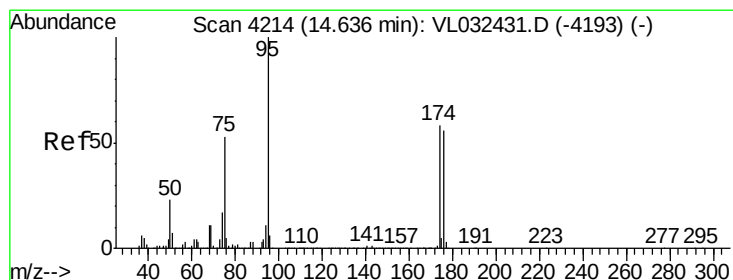
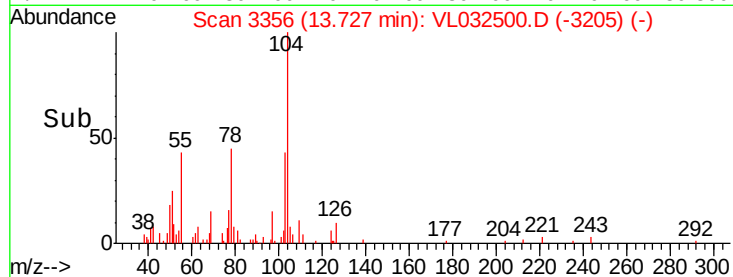
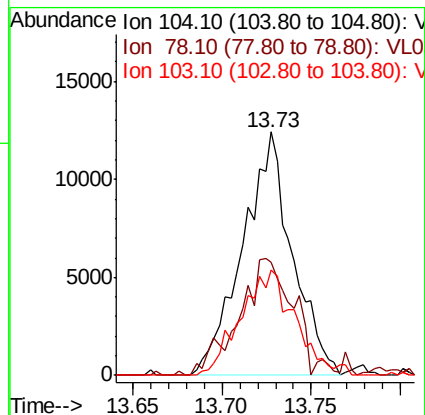
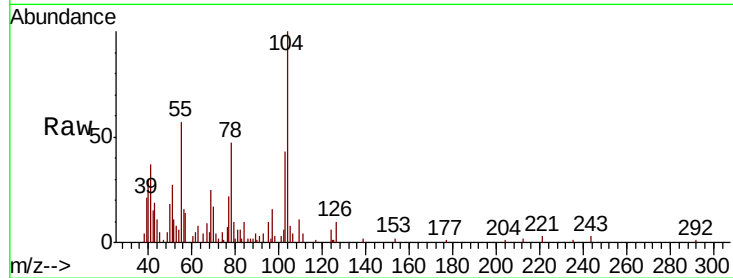
ClientSampleId :

245-BERRYDL2

Tot Ion:	104	Resp:	24100
Ion Ratio	Lower	Upper	
104	100		
78	56.8	41.8	62.8
103	47.4	38.0	57.0

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:51 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.42 ppbv

RT: 14.62 min Scan# 3633

Delta R.T. -0.02 min

Lab File: VL032500.D

Acq: 11 Sep 2018 9:47

Tgt Ion:	95	Resp:	2632731
Ion Ratio	Lower	Upper	
95	100		
174	59.4	46.3	69.5
175	4.5	3.4	5.0

