

Data File : VL032504.D
Acq On : 11 Sep 2018 12:21
Operator : SY/AP
Sample : 4820-04DL2 100X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Quant Time: Sep 12 05:37:51 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 21:33:46 2018
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	5.80	49	1405433	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3168978	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3247675	10.00	ppbv	-0.02

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.62 95 2525719 10.48 ppbv -0.02
Spiked Amount 10.000 Range 65 - 135 Recovery = 104.80%

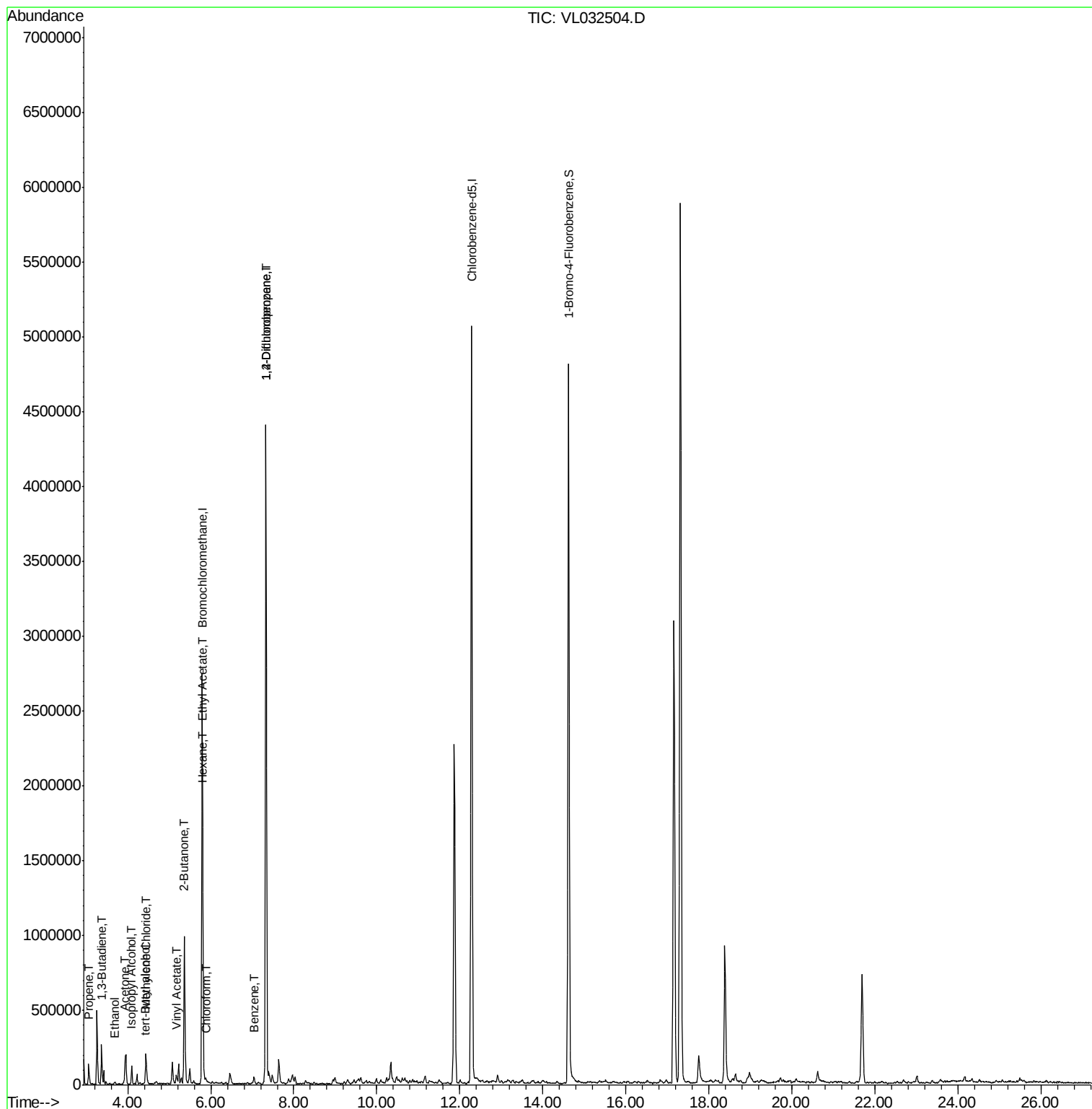
Target Compounds					Qvalue	
9) Propene	3.07	41	51015	0.994	ppbv	98
13) Ethanol	3.68	45	6279	0.393	ppbv #	43
15) Acetone	3.94	43	198142	1.566	ppbv #	88
16) 1,3-Butadiene	3.37	39	61866	1.039	ppbv #	10
17) tert-Butyl alcohol	4.41	59	4328	0.222	ppbv #	100
19) Isopropyl Alcohol	4.07	45	4307	0.052	ppbv #	93
20) Methylene Chloride	4.44	84	66747	1.383	ppbv	96
23) Vinyl Acetate	5.17	43	26656	0.127	ppbv #	23
25) Ethyl Acetate	5.81	43	23677	0.079	ppbv #	84
26) Hexane	5.82	57	24731	0.185	ppbv #	1
29) Chloroform	5.89	83	12957	0.063	ppbv	87
34) 2-Butanone	5.36	43	1171857	5.567	ppbv	99
36) Benzene	7.04	78	30832	0.114	ppbv #	90
39) 1,2-Dichloropropane	7.33	63	856201	7.420	ppbv #	26

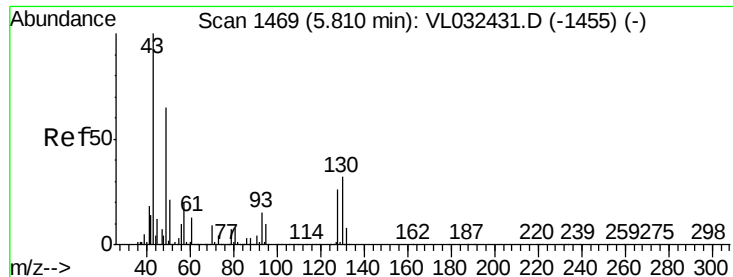
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.01 min

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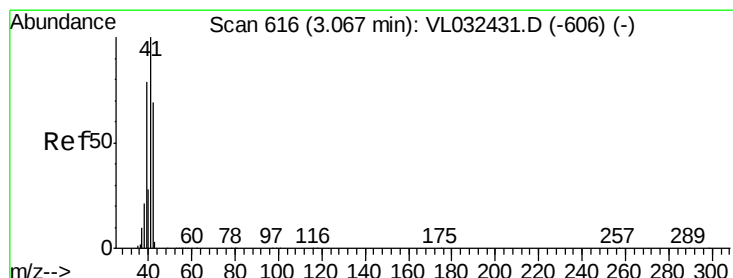
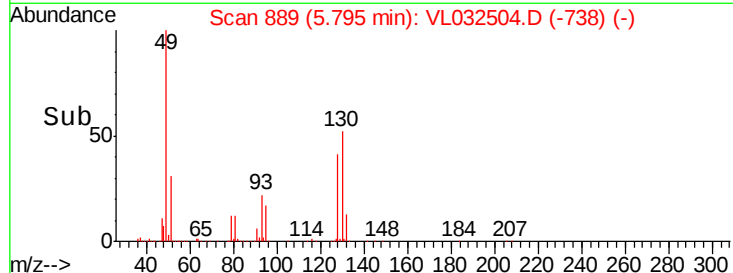
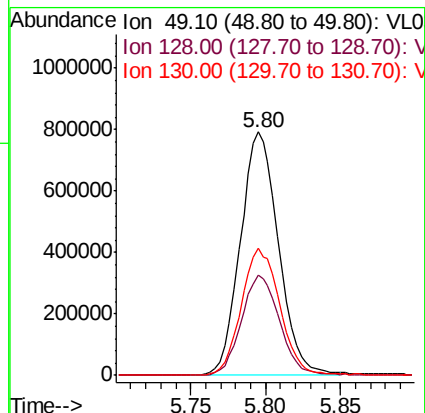
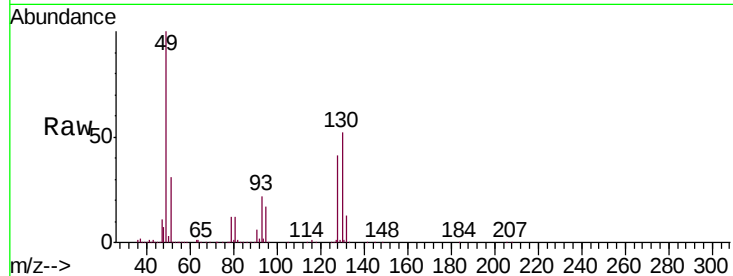
Tgt Ion: 49 Resp: 1405433

Ion Ratio Lower Upper

49 100

128 41.5 20.7 62.1

130 53.5 26.6 79.7



#9

Propene

Concen: 0.994 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032504.D

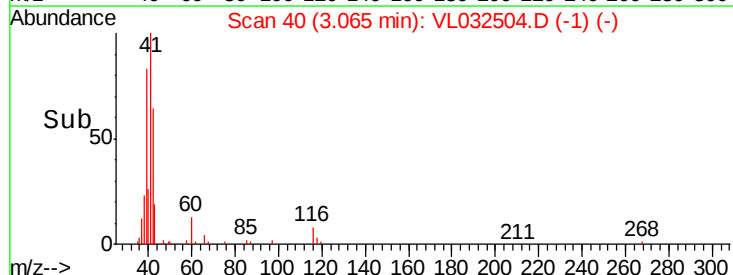
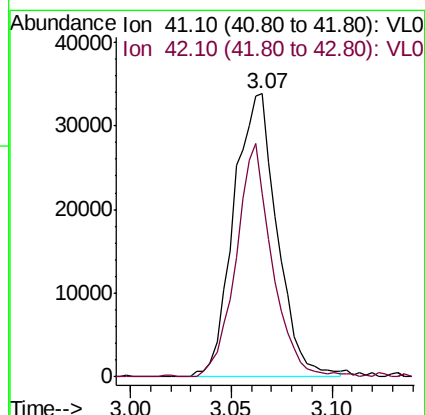
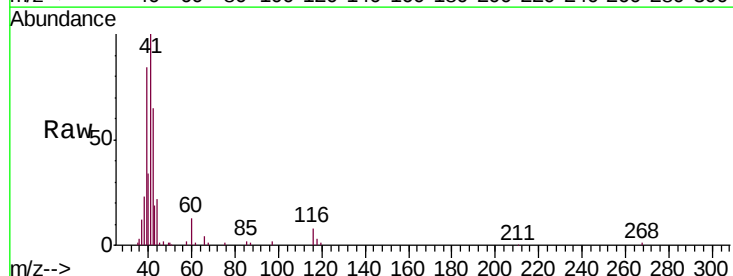
Acq: 11 Sep 2018 12:21

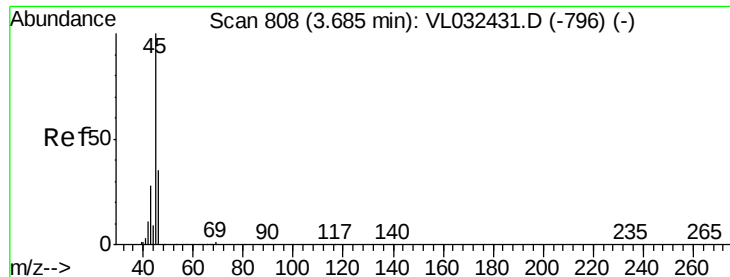
Tgt Ion: 41 Resp: 51015

Ion Ratio Lower Upper

41 100

42 68.9 56.6 84.8





#13

Ethanol

Concen: 0.393 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032504.D

Acq: 11 Sep 2018 12:21

Instrument :

MSVOA_L

ClientSampleId :

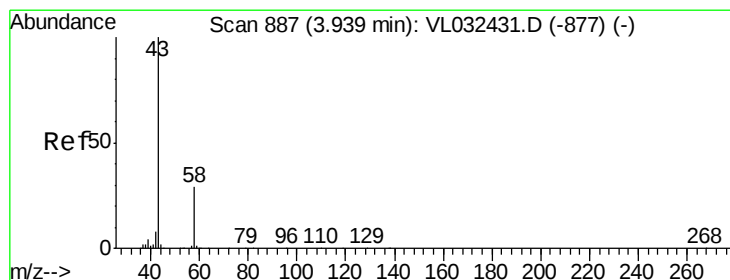
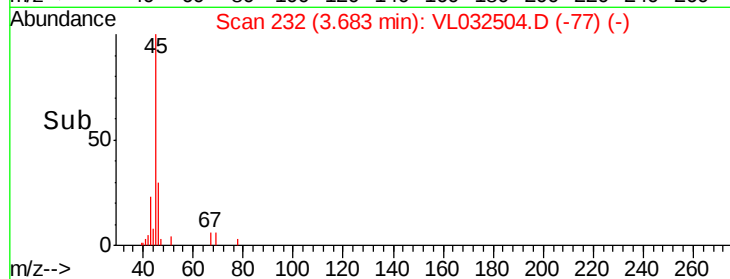
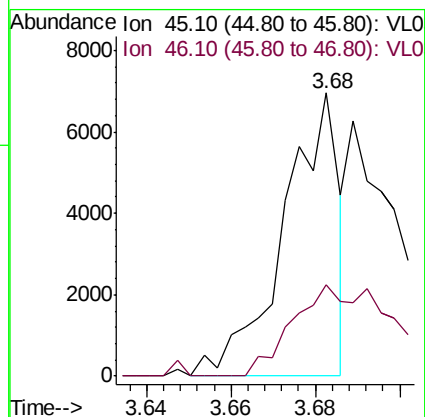
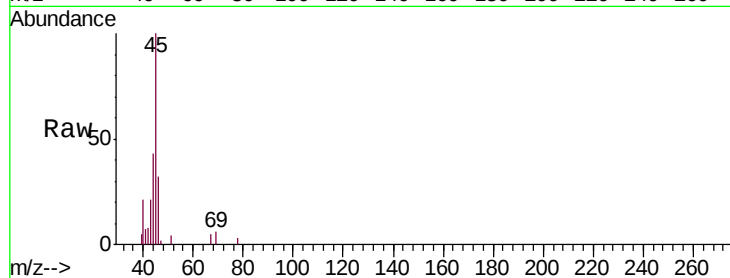
245-BERRYDL2

Tgt Ion: 45 Resp: 6279

Ion Ratio Lower Upper

45 100

46 68.6 14.2 56.8#



#15

Acetone

Concen: 1.566 ppbv

RT: 3.94 min Scan# 311

Delta R.T. -0.00 min

Lab File: VL032504.D

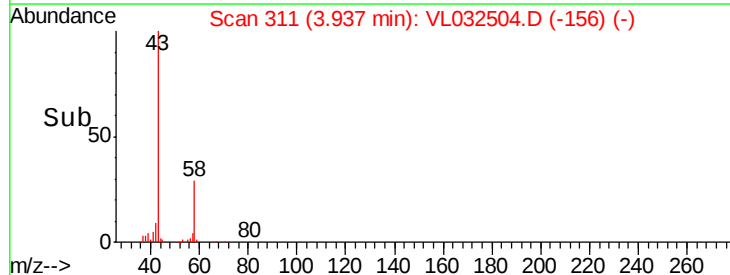
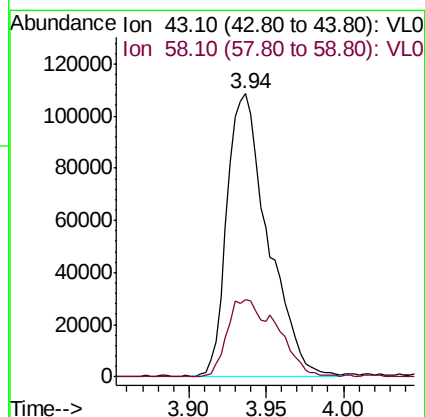
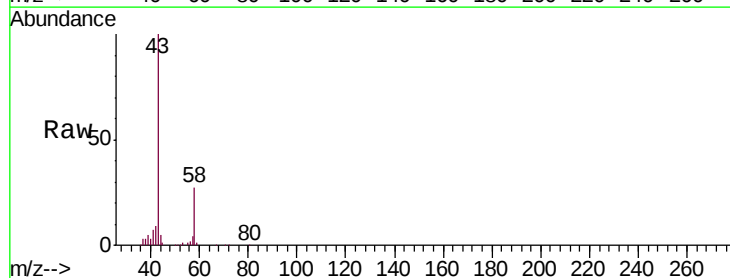
Acq: 11 Sep 2018 12:21

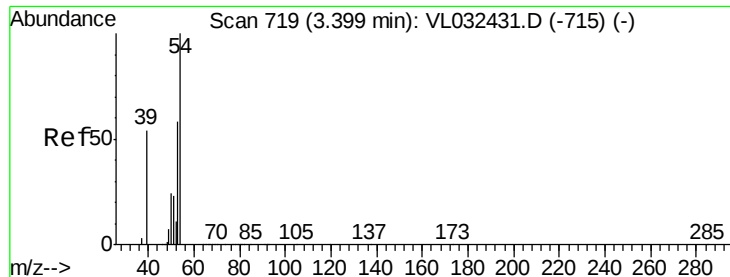
Tgt Ion: 43 Resp: 198142

Ion Ratio Lower Upper

43 100

58 34.3 22.6 33.8#

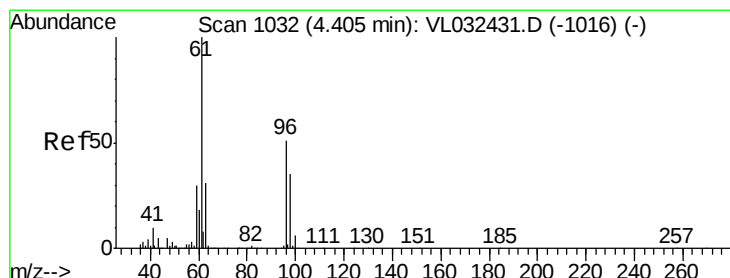
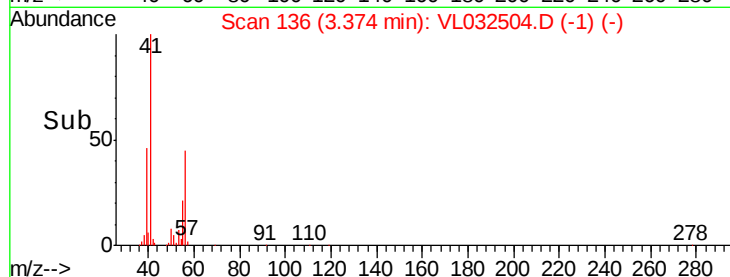
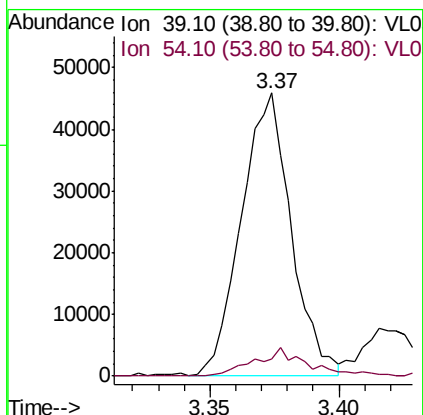
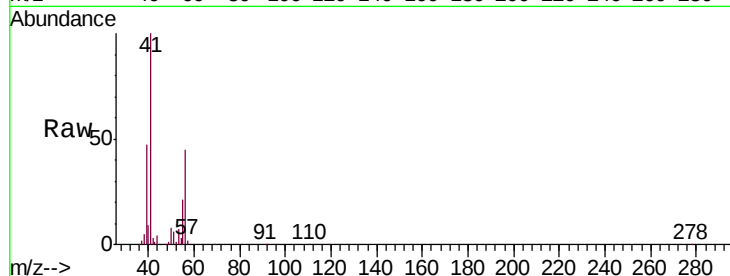




#16
 1,3-Butadiene
 Concen: 1.039 ppbv
 RT: 3.37 min Scan# 136
 Delta R.T. -0.02 min
 Lab File: VL032504.D
 Acq: 11 Sep 2018 12:21

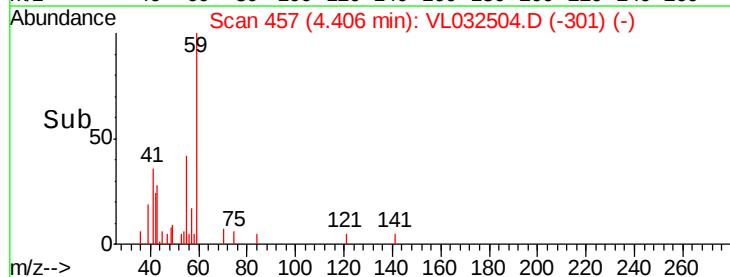
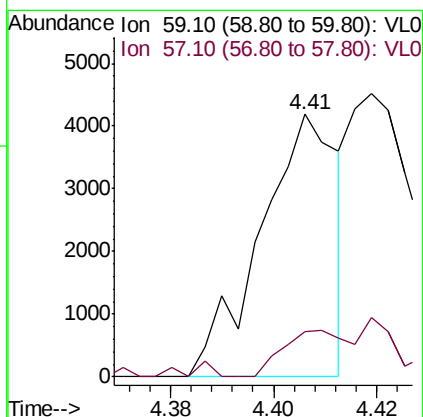
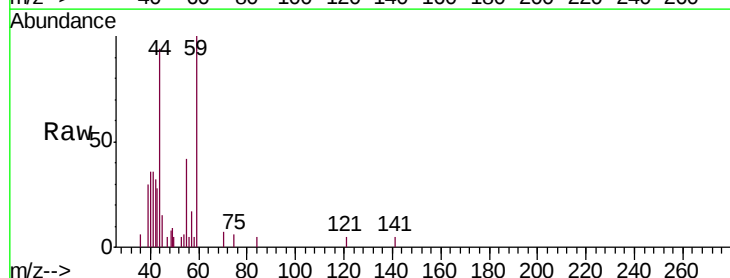
Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL2

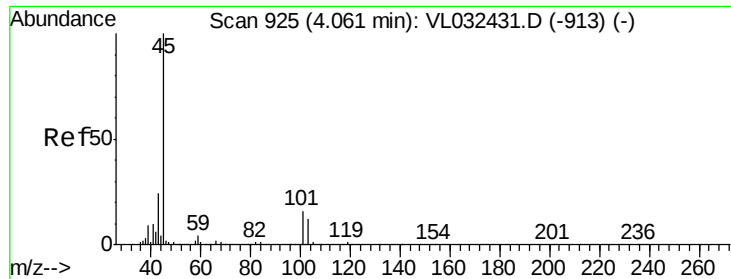
Tgt Ion: 39 Resp: 61866
 Ion Ratio Lower Upper
 39 100
 54 11.0 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 0.222 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL032504.D
 Acq: 11 Sep 2018 12:21

Tgt Ion: 59 Resp: 4328
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0





#19

Isopropyl Alcohol

Concen: 0.052 ppbv

RT: 4.07 min Scan# 354

Delta R.T. 0.01 min

Lab File: VL032504.D

Acq: 11 Sep 2018 12:21

Instrument :

MSVOA_L

ClientSampleId :

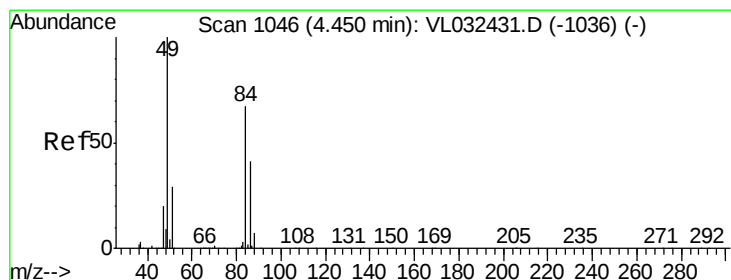
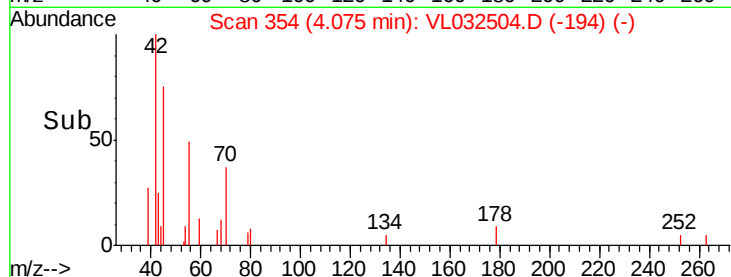
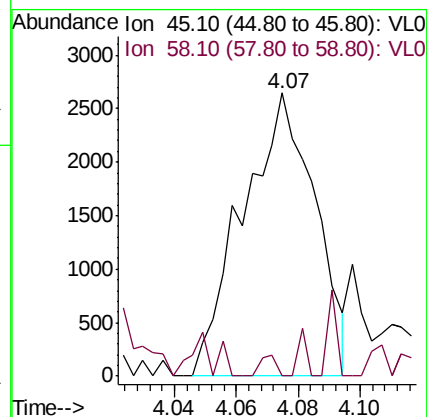
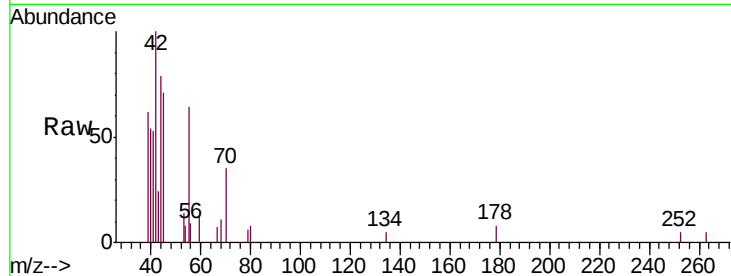
245-BERRYDL2

Tgt Ion: 45 Resp: 4307

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 1.383 ppbv

RT: 4.44 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL032504.D

Acq: 11 Sep 2018 12:21

Tgt Ion: 84 Resp: 66747

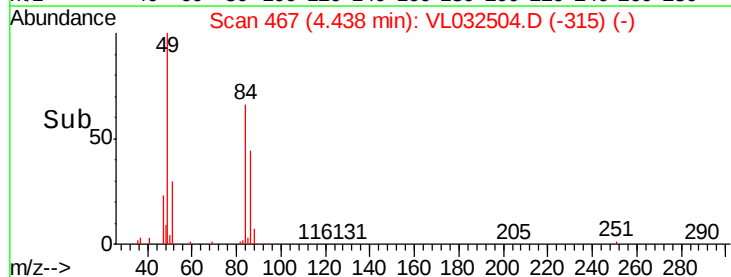
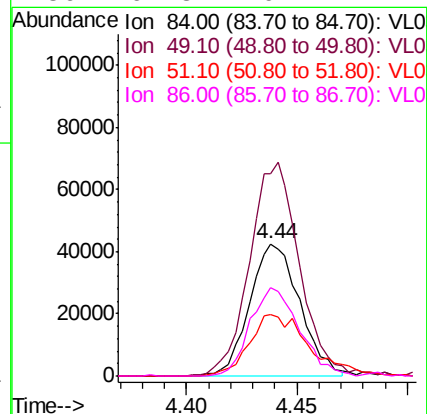
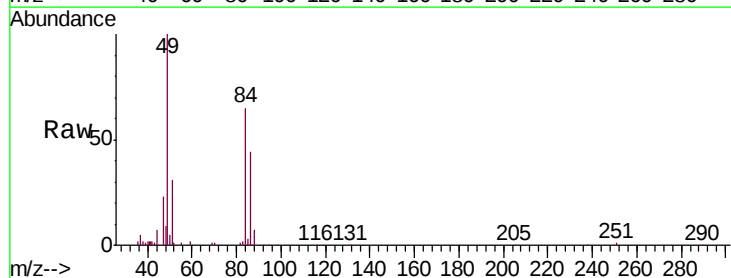
Ion Ratio Lower Upper

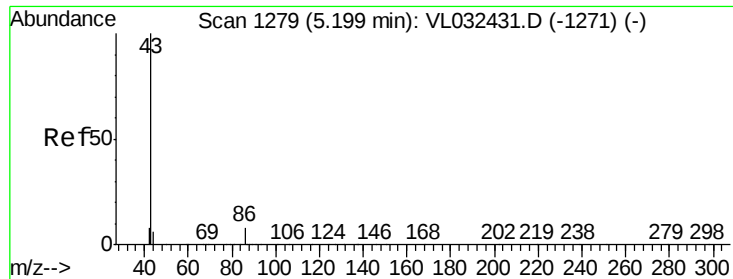
84 100

49 151.7 119.1 178.7

51 46.9 35.2 52.8

86 67.3 49.4 74.2

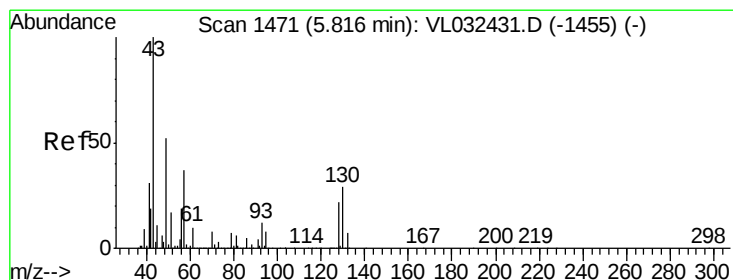
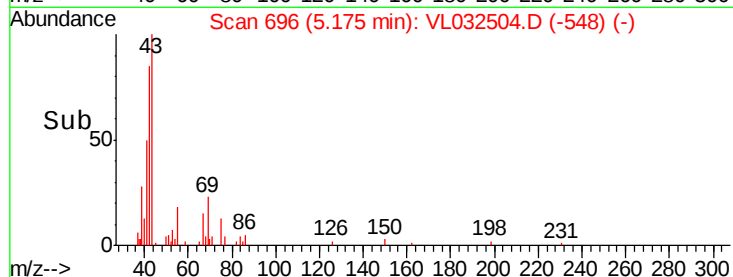
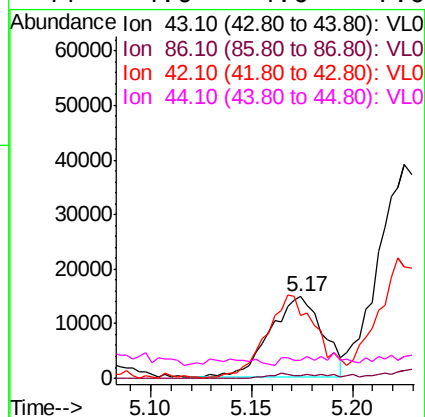
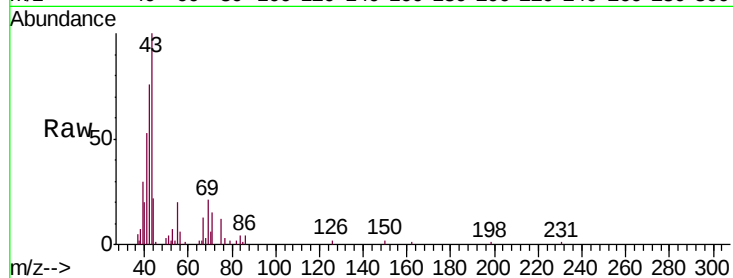




#23
 Vinyl Acetate
 Concen: 0.127 ppbv
 RT: 5.17 min Scan# 696
 Delta R.T. -0.02 min
 Lab File: VL032504.D
 Acq: 11 Sep 2018 12:21

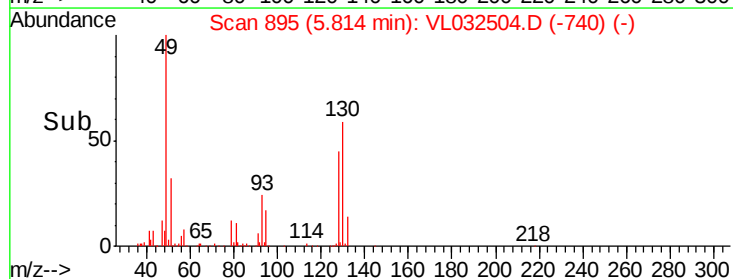
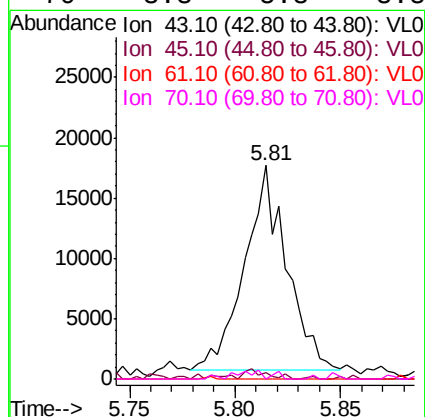
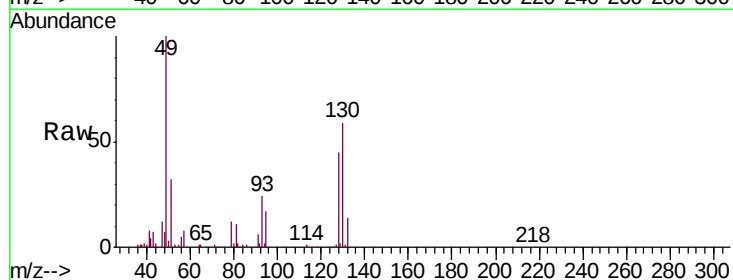
Instrument :
 MSVOA_L
 ClientSampleId :
 245-BERRYDL2

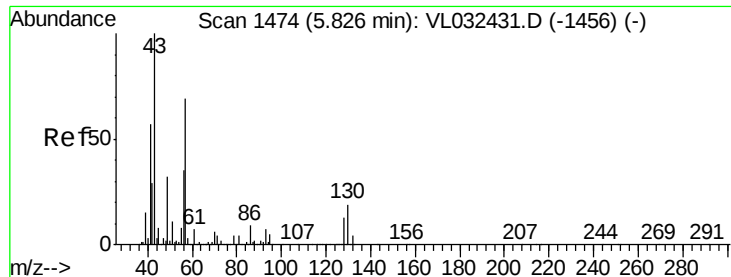
Tgt Ion:	43	Resp:	26656
Ion	Ratio	Lower	Upper
43	100		
86	4.0	5.9	8.9#
42	74.7	6.9	10.3#
44	4.6	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 0.079 ppbv
 RT: 5.81 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VL032504.D
 Acq: 11 Sep 2018 12:21

Tgt Ion:	43	Resp:	23677
Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.0	12.0#
61	0.3	7.6	11.4#
70	3.3	5.8	8.8#

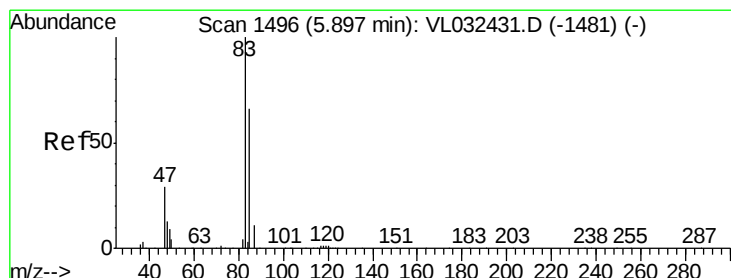
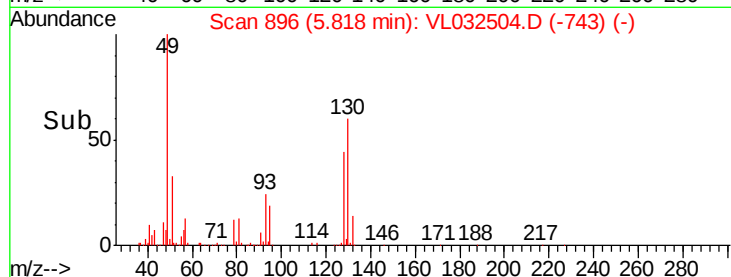
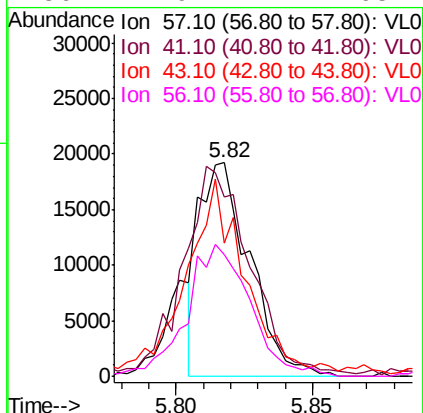
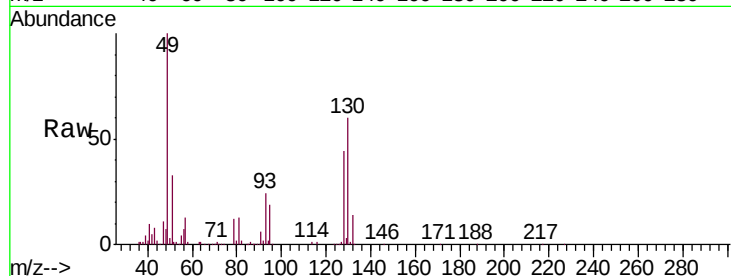




#26
Hexane
Concen: 0.185 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032504.D
Acq: 11 Sep 2018 12:21

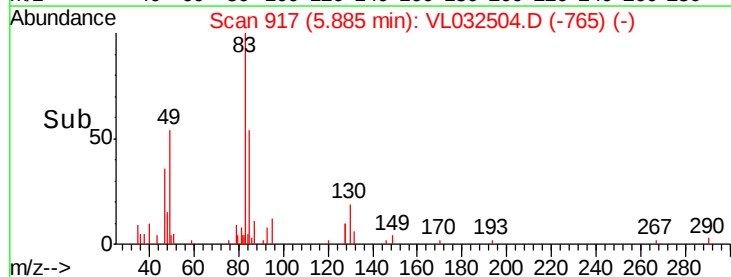
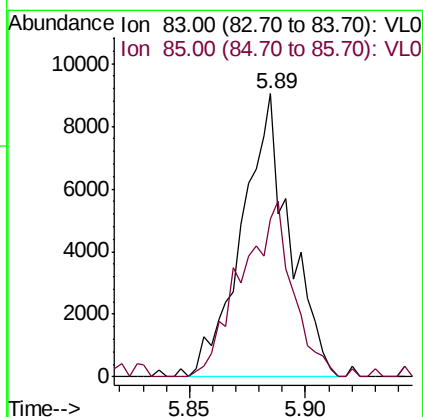
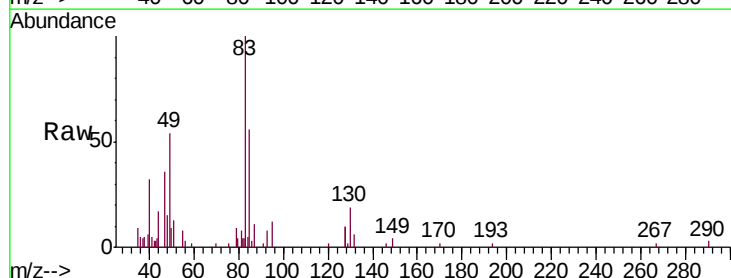
Instrument :
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245-BERRYDL2

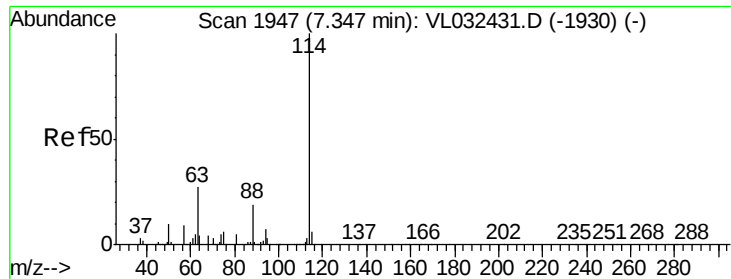
Tgt Ion: 57 Resp: 24731
Ion Ratio Lower Upper
57 100
41 132.1 69.0 103.4#
43 0.0 172.1 258.1#
56 77.9 42.2 63.2#



#29
Chloroform
Concen: 0.063 ppbv
RT: 5.89 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL032504.D
Acq: 11 Sep 2018 12:21

Tgt Ion: 83 Resp: 12957
Ion Ratio Lower Upper
83 100
85 55.7 52.5 78.7

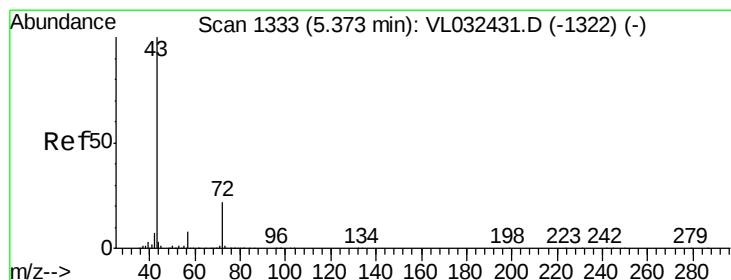
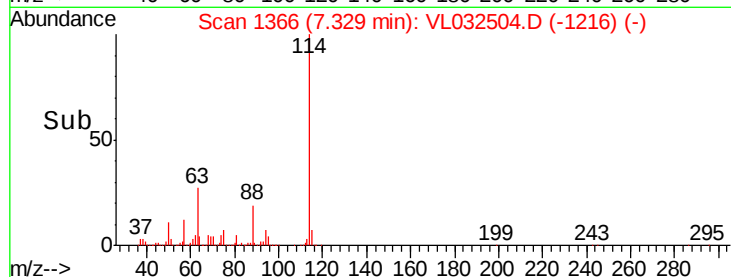
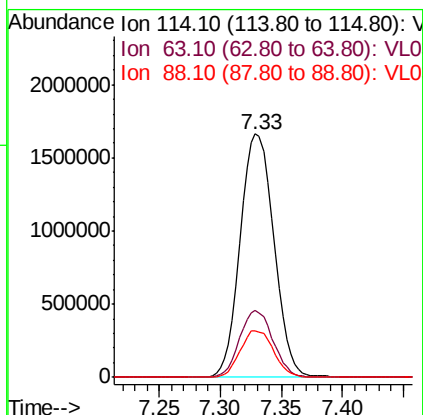
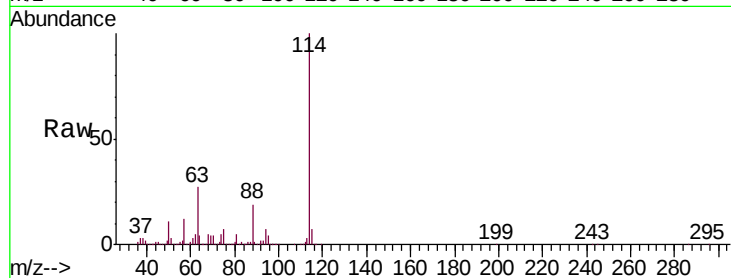




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VL032504.D
 Acq: 11 Sep 2018 12:21

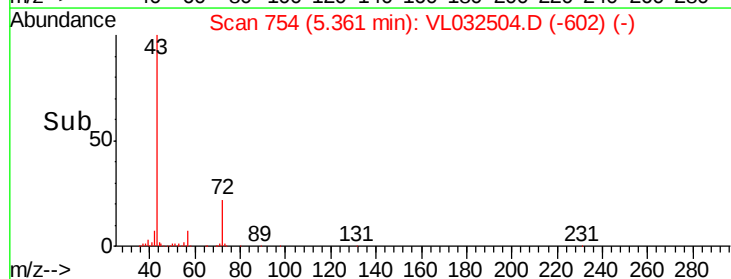
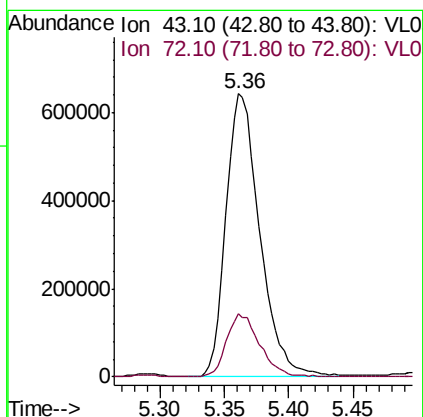
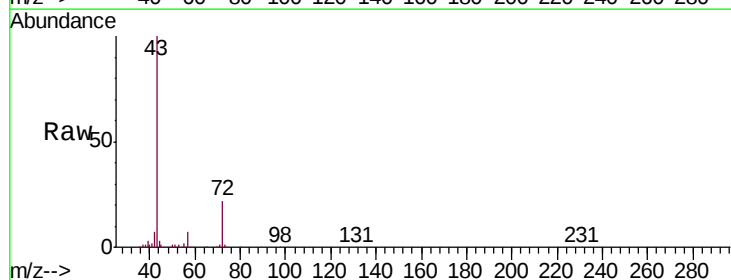
Instrument :
 MSVOA_L
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 245-BERRYDL2

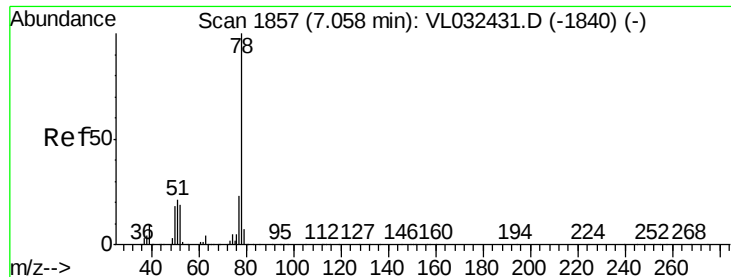
Tgt Ion: 114 Resp: 3168978
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.2 33.4
 88 19.2 15.0 22.4



#34
 2-Butanone
 Concen: 5.567 ppbv
 RT: 5.36 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VL032504.D
 Acq: 11 Sep 2018 12:21

Tgt Ion: 43 Resp: 1171857
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.8 26.6





#36

Benzene

Concen: 0.114 ppbv

RT: 7.04 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL032504.D

Acq: 11 Sep 2018 12:21

Instrument :

MSVOA_L

ClientSampleId :

245-BERRYDL2

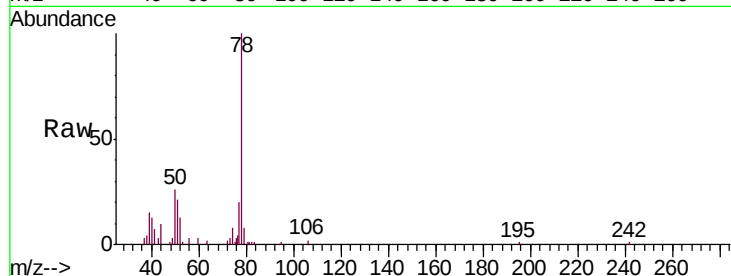
Tgt Ion: 78 Resp: 30832

Ion Ratio Lower Upper

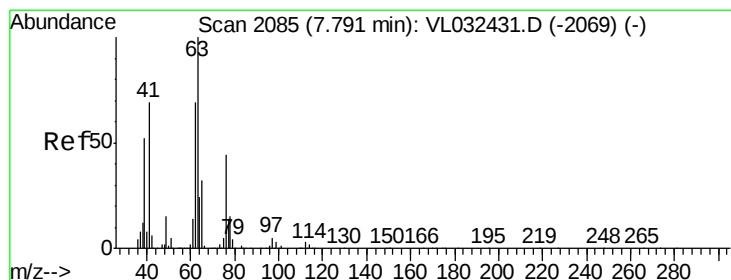
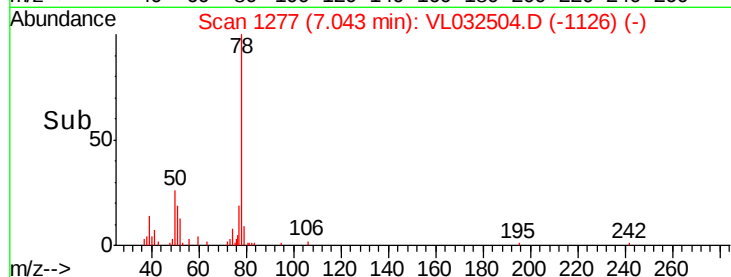
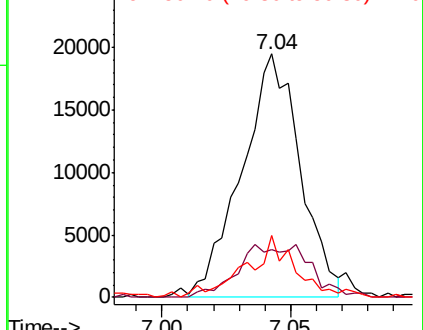
78 100

77 20.0 18.4 27.6

50 24.3 14.4 21.6#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.420 ppbv

RT: 7.33 min Scan# 1366

Delta R.T. -0.46 min

Lab File: VL032504.D

Acq: 11 Sep 2018 12:21

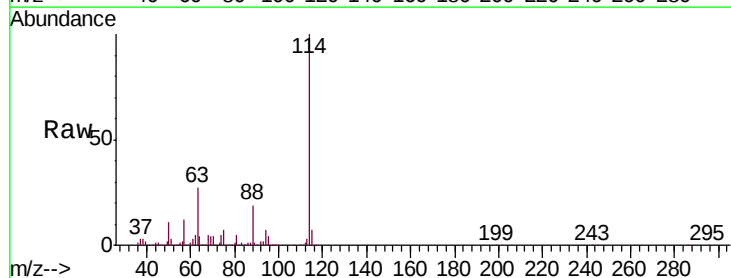
Tgt Ion: 63 Resp: 856201

Ion Ratio Lower Upper

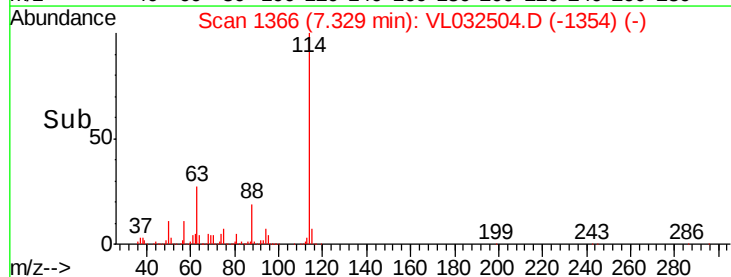
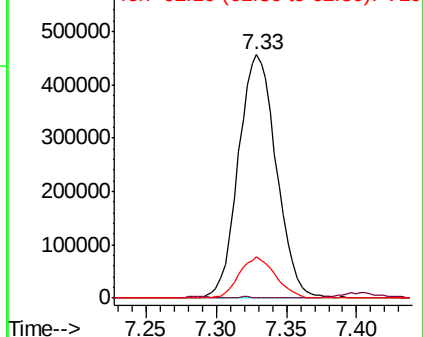
63 100

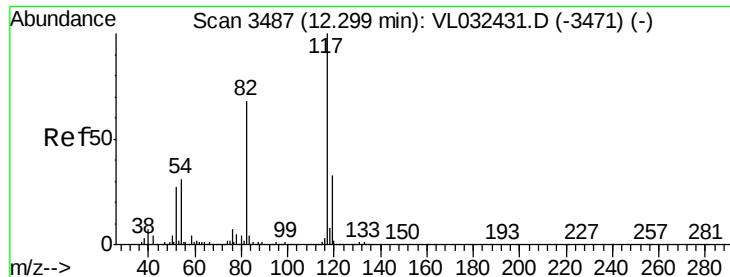
41 0.0 55.4 83.0#

62 16.9 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0

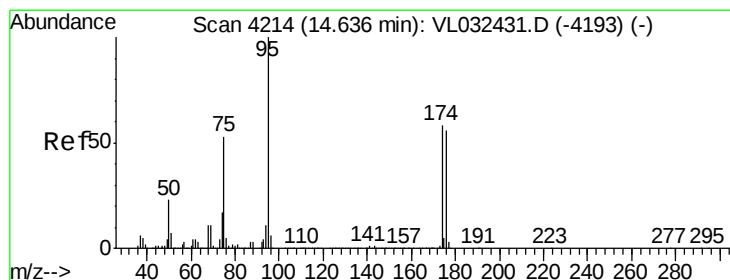
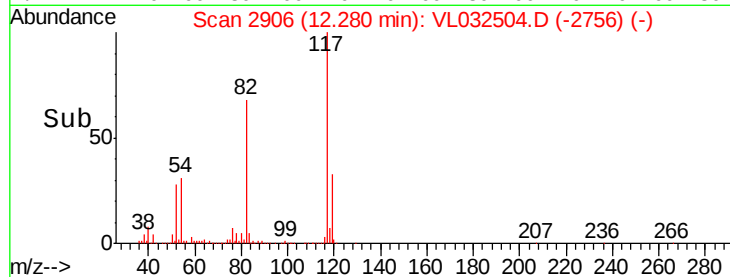
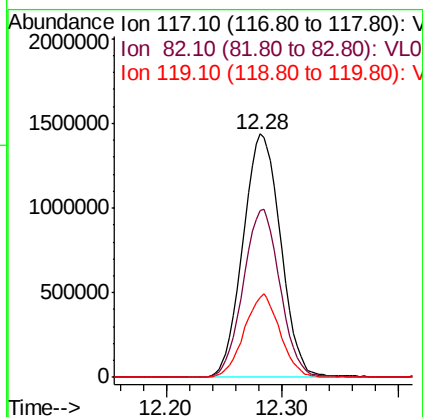
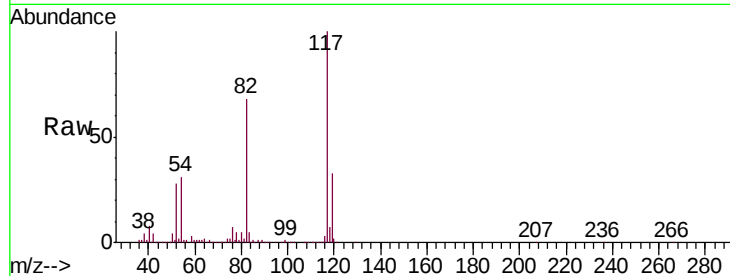




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.02 min
Lab File: VL032504.D
Acq: 11 Sep 2018 12:21

Instrument :
MSVOA_L
ClientSampleId :
245-BERRYDL2

Tgt Ion: 117 Resp: 3247675
Ion Ratio Lower Upper
117 100
82 68.1 53.0 79.6
119 32.6 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.475 ppbv
RT: 14.62 min Scan# 3633
Delta R.T. -0.02 min
Lab File: VL032504.D
Acq: 11 Sep 2018 12:21

Tgt Ion: 95 Resp: 2525719
Ion Ratio Lower Upper
95 100
174 56.8 46.3 69.5
175 4.3 3.4 5.0

