

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL060118\
 Data File : VL032035.D
 Acq On : 2 Jun 2018 00:14
 Operator : SY/AP
 Sample : J3193-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-DUP-052518

Quant Time: Jun 02 02:05:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 02:31:35 2018
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1197473	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2342666	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2279041	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1771896	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.14	85	67337	0.47	ppbv	91
3) Chlorodifluoromethane	3.06	51	247953	2.20	ppbv #	66
4) Chloromethane	3.24	50	34639	0.61	ppbv	92
9) Propene	3.31	41	1689684	45.91	ppbv	94
10) Heptane	8.36	43	105472	0.81	ppbv #	40
11) Trichlorofluoromethane	4.09	101	44135	0.20	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.65	101	8978	0.06	ppbv #	78
13) Ethanol	3.76	45	7053847	490.61	ppbv #	38
15) Acetone	3.98	43	1789006	12.39	ppbv	95
16) 1,3-Butadiene	3.42	39	13070	0.25	ppbv #	24
17) tert-Butyl alcohol	4.49	59	101003	1.46	ppbv #	72
19) Isopropyl Alcohol	4.15	45	375535	3.93	ppbv #	1
20) Methylene Chloride	4.50	84	127043	1.94	ppbv	98
21) Allyl Chloride	4.52	41	81433	0.80	ppbv #	66
23) Vinyl Acetate	5.23	43	243820	1.25	ppbv #	10
25) Ethyl Acetate	5.87	43	921435	3.22	ppbv #	97
26) Hexane	5.88	57	628245	4.73	ppbv #	75
27) Carbon Disulfide	4.72	76	24790	0.14	ppbv #	52
29) Chloroform	5.95	83	55591	0.25	ppbv	87
30) Cyclohexane	7.36	84	23520	0.30	ppbv #	57
31) cis-1,2-Dichloroethene	5.86	61	67653	0.57	ppbv #	29
34) 2-Butanone	5.43	43	134403	0.73	ppbv	96
36) Benzene	7.11	78	208995	1.02	ppbv	98
37) 1,2-Dichloroethane	6.52	62	6166	0.04	ppbv #	84
39) 1,2-Dichloropropane	7.40	63	605348	7.98	ppbv #	20
41) Tetrahydrofuran	6.26	42	4999	0.06	ppbv #	73
44) 2,2,4-Trimethylpentane	8.10	57	1198078	3.40	ppbv	93
50) 4-Methyl-2-Pentanone	9.00	43	23475	0.13	ppbv	99
51) 2-Hexanone	10.37	43	11158	0.07	ppbv #	93
52) Tetrachloroethene	11.49	164	2461	0.03	ppbv #	9
53) Toluene	10.07	91	2426271	10.54	ppbv	98
58) Ethyl Benzene	12.99	91	147401	0.46	ppbv	98
59) m/p-Xylene	13.24	91	450052	1.60	ppbv	99
60) o-Xylene	13.97	91	98664	0.35	ppbv #	43
61) Styrene	13.81	104	49037	0.90	ppbv	87
65) tert-Butylbenzene	17.04	119	19896	0.06	ppbv #	16
69) p-Isopropyltoluene	17.94	119	11903	0.03	ppbv #	47
72) 4-Ethyltoluene	16.12	105	55126	0.20	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.28	105	39661	0.15	ppbv #	72
74) 1,2,4-Trimethylbenzene	17.05	105	93437	0.32	ppbv #	71
79) Naphthalene	22.56	128	9454	0.06	ppbv #	72

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 02:31:35 2018
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration

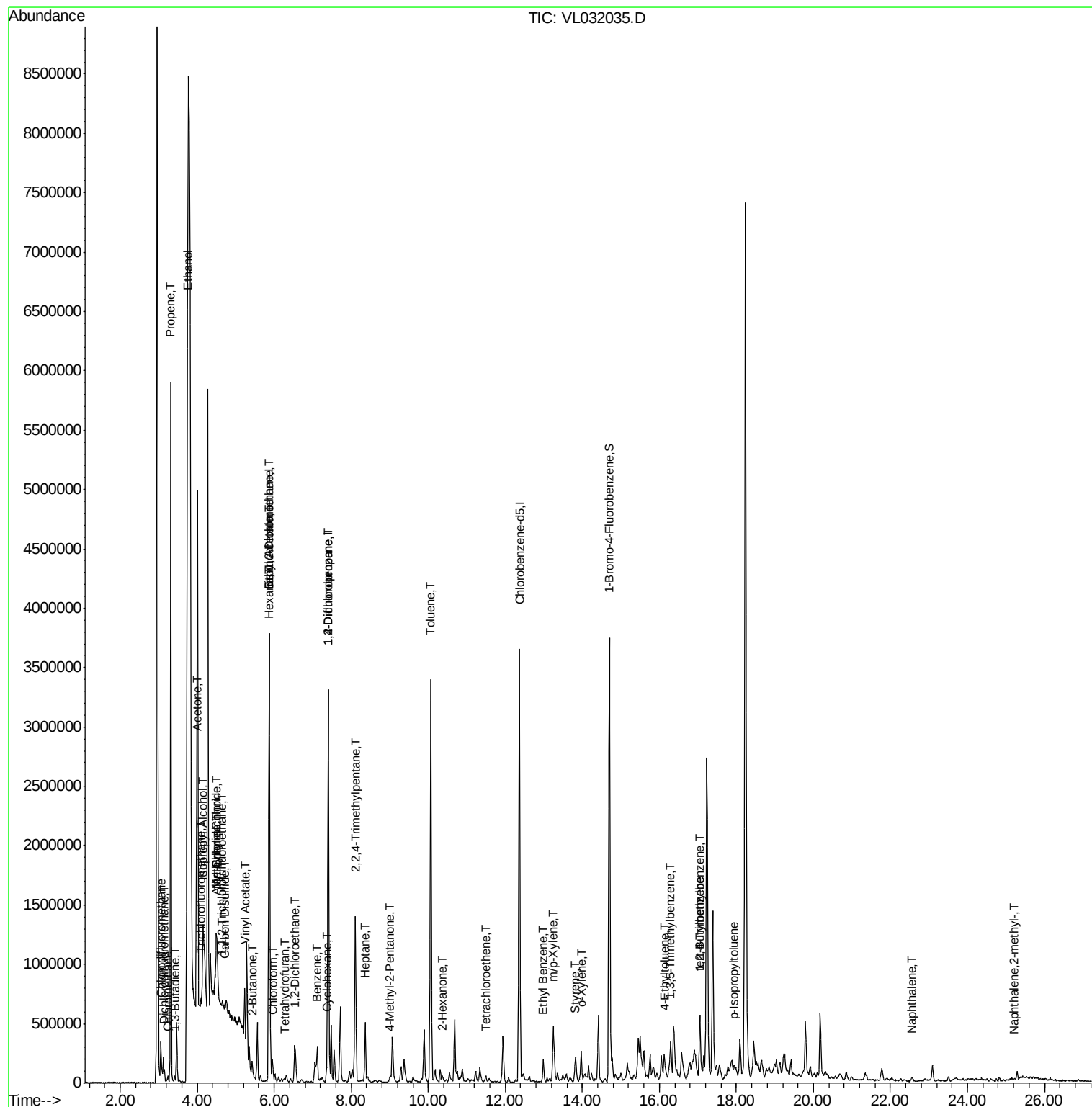
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.21	142	1353	0.03	ppbv	# 85

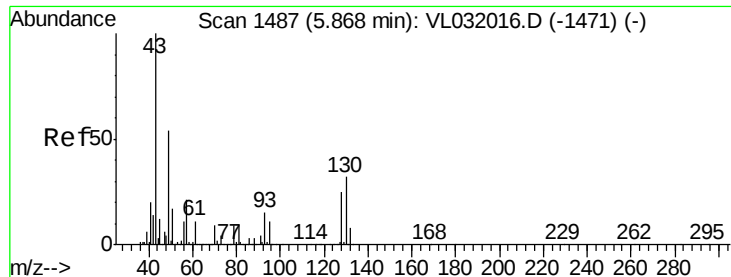
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032035.D

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MSVOA_L

ClientSampleId :

LIHA-IA1-DUP-052518

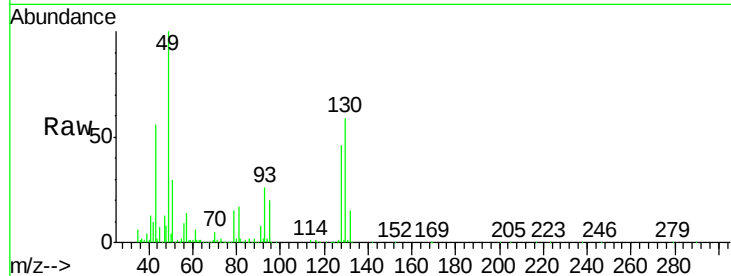
Tgt Ion: 49 Resp: 1197473

Ion Ratio Lower Upper

49 100

128 49.7 24.1 72.3

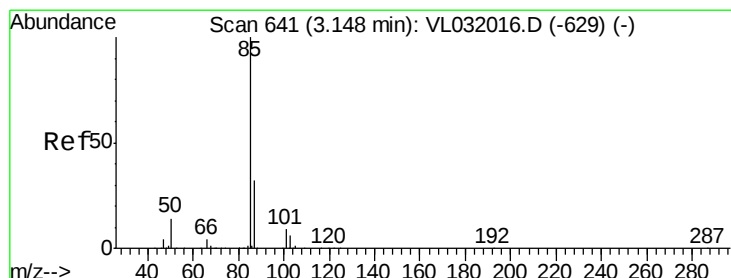
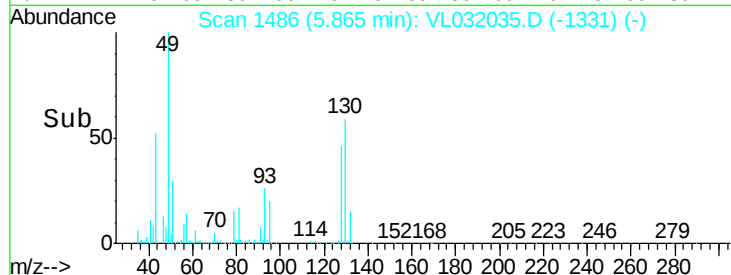
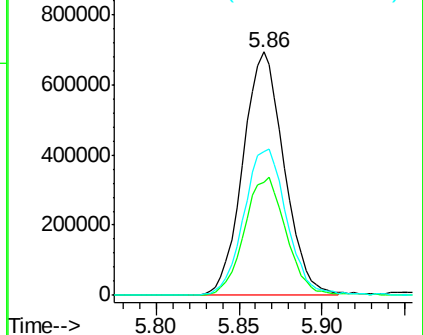
130 63.1 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.47 ppbv

RT: 3.14 min Scan# 640

Delta R.T. -0.00 min

Lab File: VL032035.D

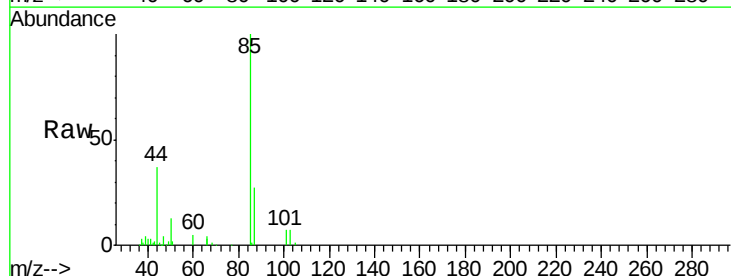
Acq: 2 Jun 2018 00:14

Tgt Ion: 85 Resp: 67337

Ion Ratio Lower Upper

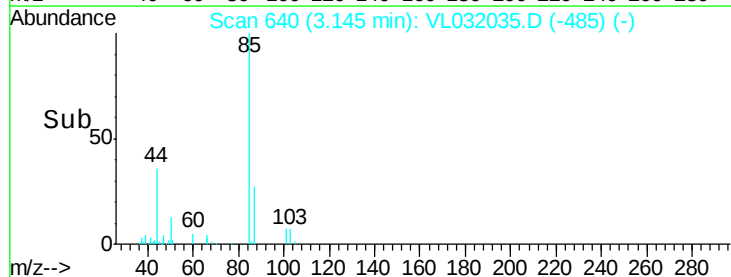
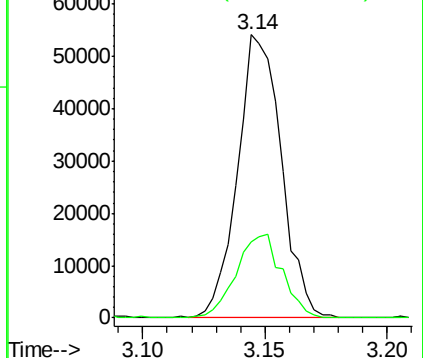
85 100

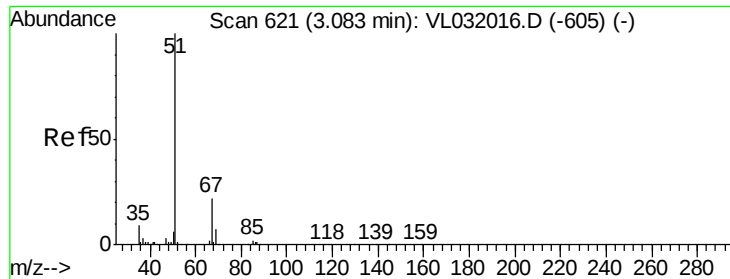
87 26.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.20 ppbv

RT: 3.06 min Scan# 613

Delta R.T. -0.03 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

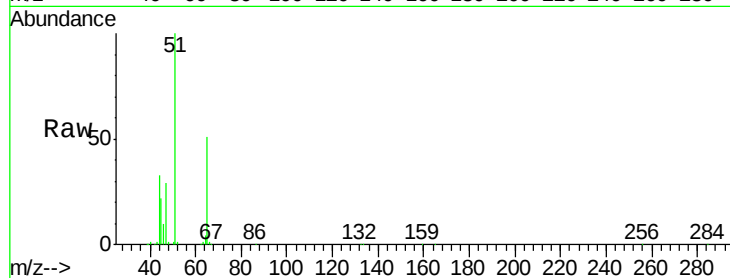
LIHA-IA1-DUP-052518

Tgt Ion: 51 Resp: 247953

Ion Ratio Lower Upper

51 100

67 5.6 17.2 25.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.06

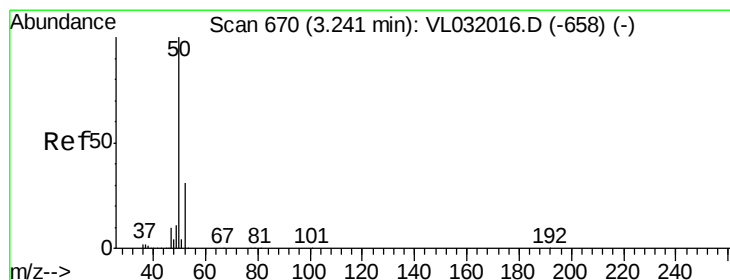
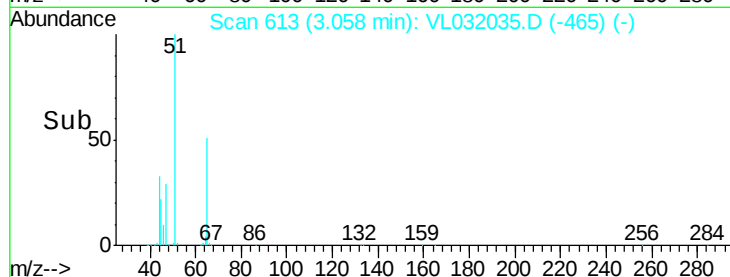
150000

100000

50000

0

Time--> 2.80 2.90 3.00 3.10 3.20



#4

Chloromethane

Concen: 0.61 ppbv

RT: 3.24 min Scan# 670

Delta R.T. 0.00 min

Lab File: VL032035.D

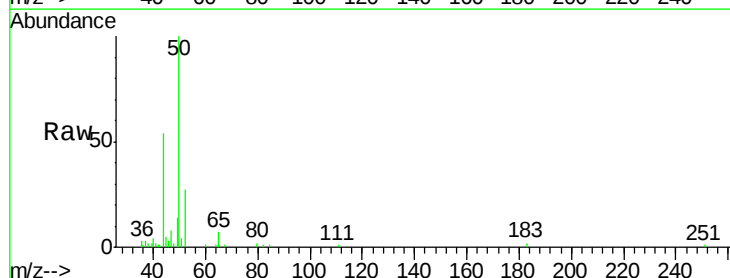
Acq: 2 Jun 2018 00:14

Tgt Ion: 50 Resp: 34639

Ion Ratio Lower Upper

50 100

52 26.7 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.24

30000

25000

20000

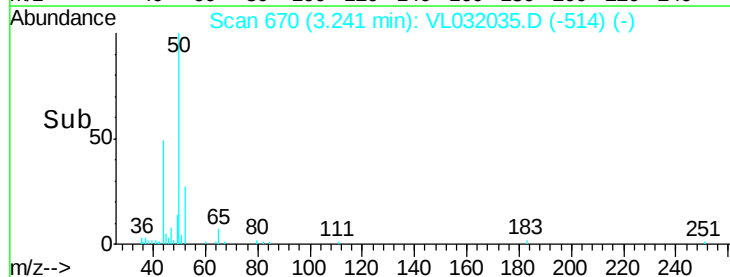
15000

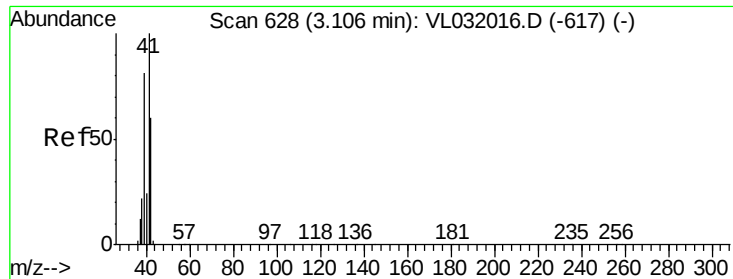
10000

5000

0

Time--> 3.20 3.25





#9

Propene

Concen: 45.91 ppbv

RT: 3.31 min Scan# 692

Delta R.T. 0.21 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

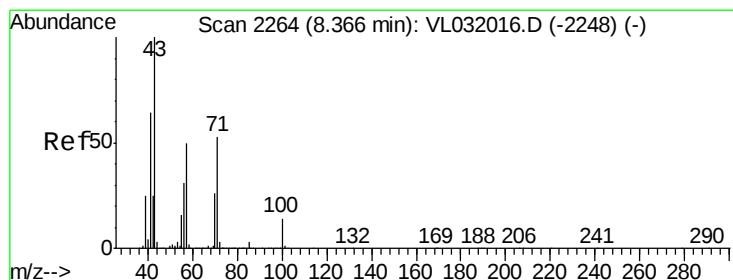
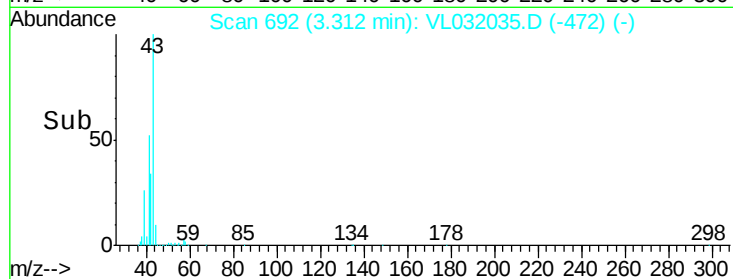
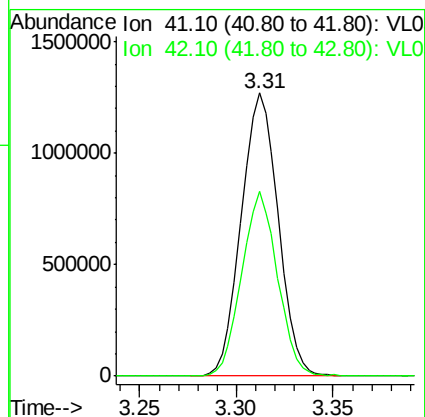
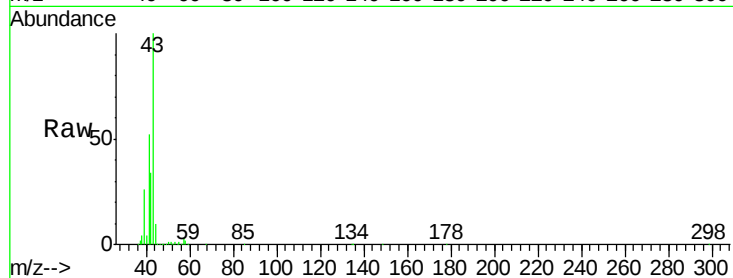
LIHA-IA1-DUP-052518

Tgt Ion: 41 Resp: 1689684

Ion Ratio Lower Upper

41 100

42 63.3 54.4 81.6



#10

Heptane

Concen: 0.81 ppbv

RT: 8.36 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VL032035.D

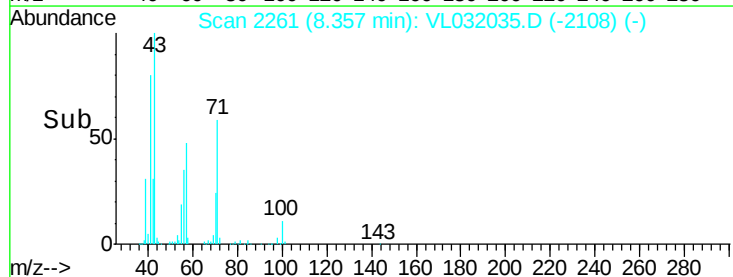
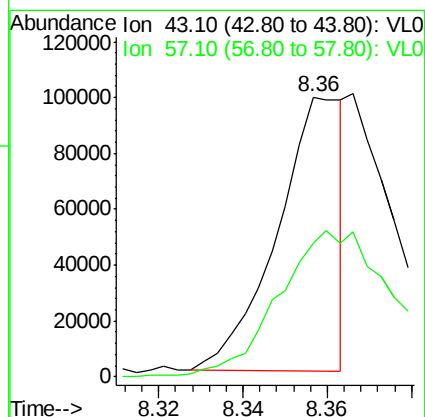
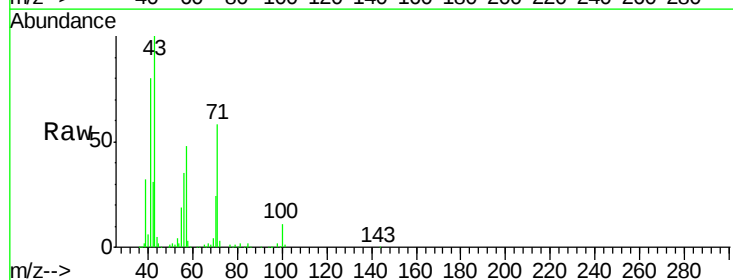
Acq: 2 Jun 2018 00:14

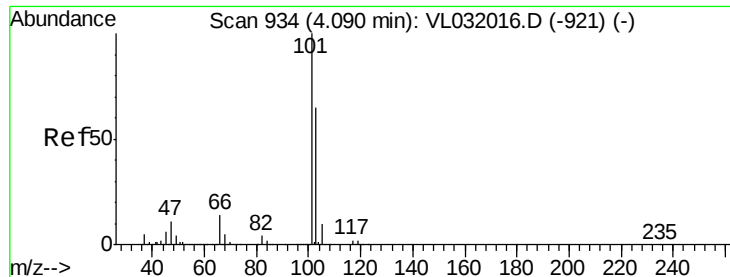
Tgt Ion: 43 Resp: 105472

Ion Ratio Lower Upper

43 100

57 94.0 41.7 62.5#

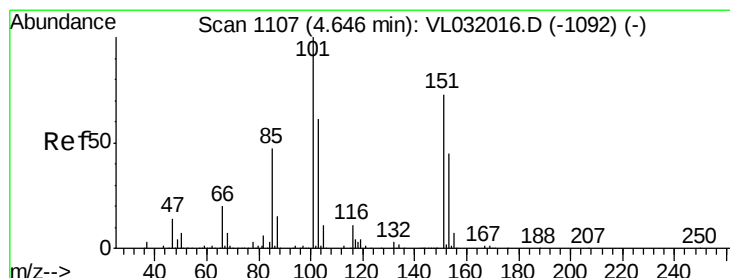
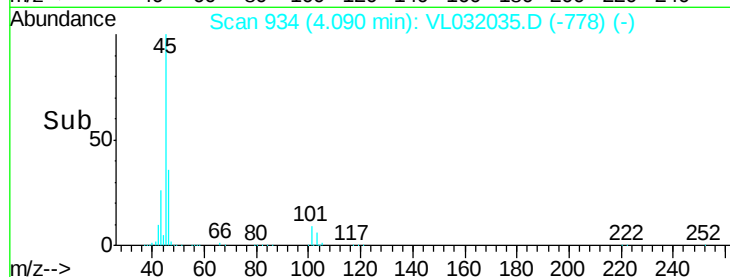
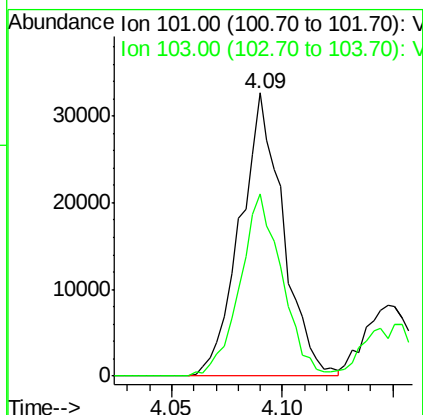
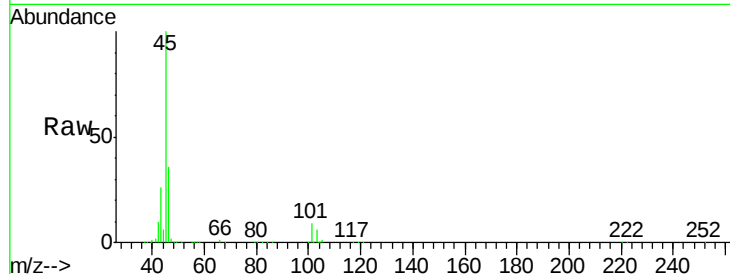




#11
 Trichlorofluoromethane
 Concen: 0.20 ppbv
 RT: 4.09 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

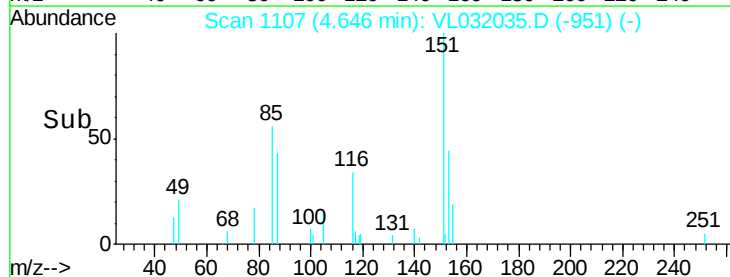
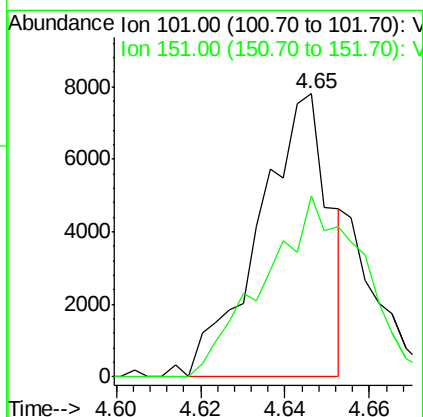
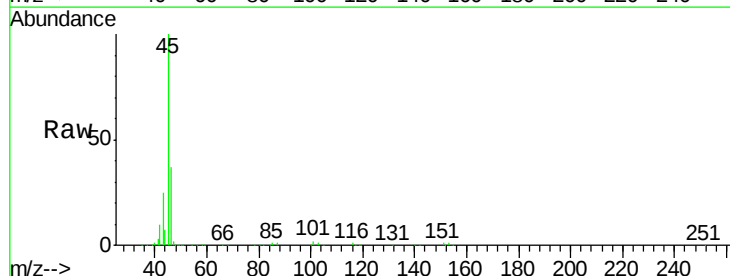
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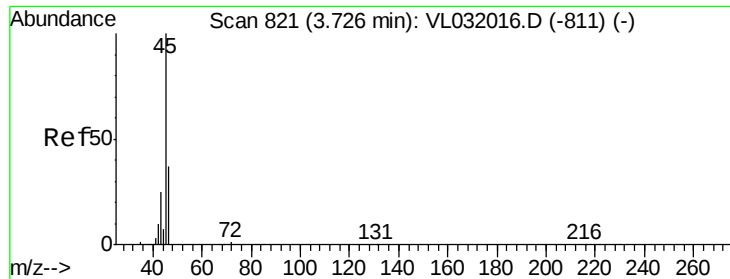
Tgt Ion:101 Resp: 44135
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.06 ppbv
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion:101 Resp: 8978
 Ion Ratio Lower Upper
 101 100
 151 91.1 58.2 87.4#

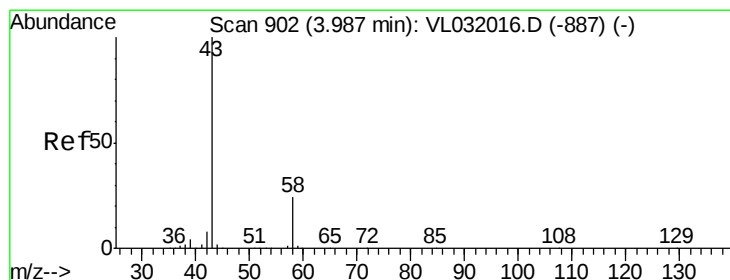
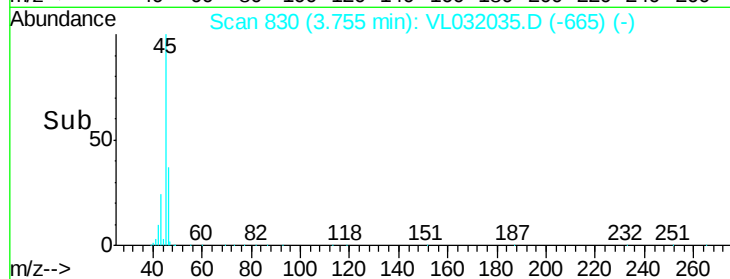
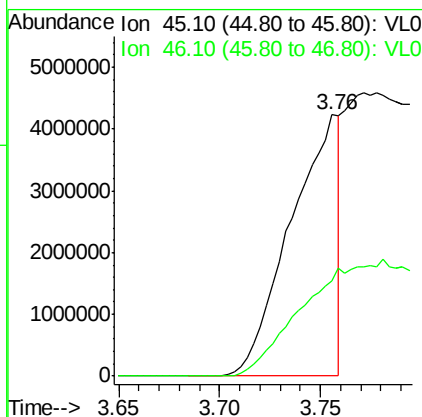
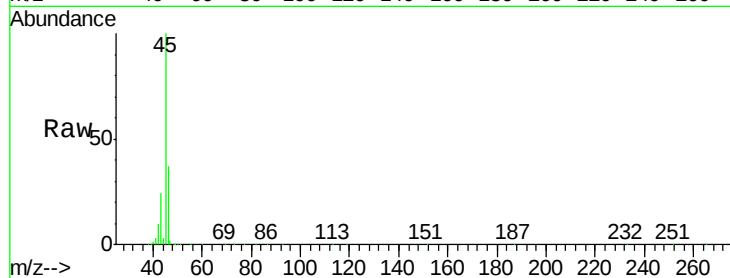




#13
Ethanol
Concen: 490.61 ppbv
RT: 3.76 min Scan# 830
Delta R.T. 0.03 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

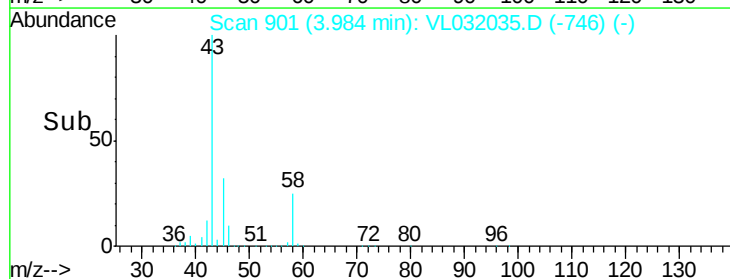
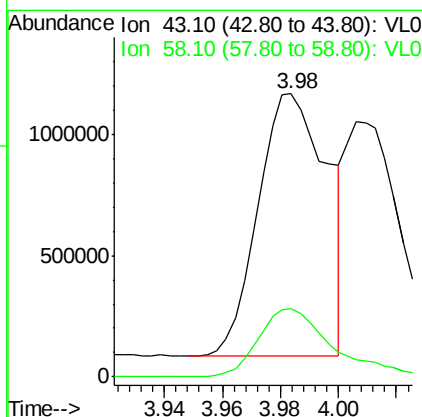
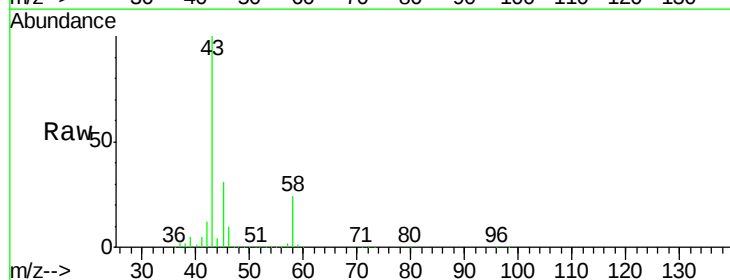
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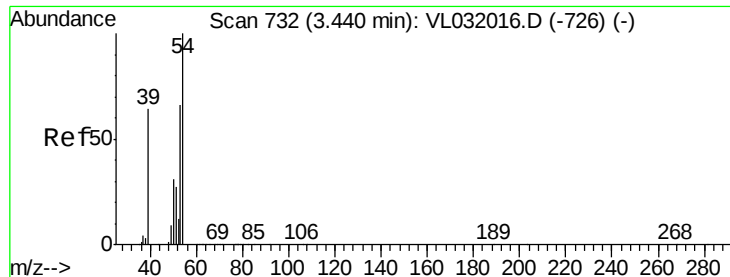
Tgt Ion: 45 Resp: 7053847
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.5#



#15
Acetone
Concen: 12.39 ppbv
RT: 3.98 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

Tgt Ion: 43 Resp: 1789006
Ion Ratio Lower Upper
43 100
58 28.3 20.7 31.1

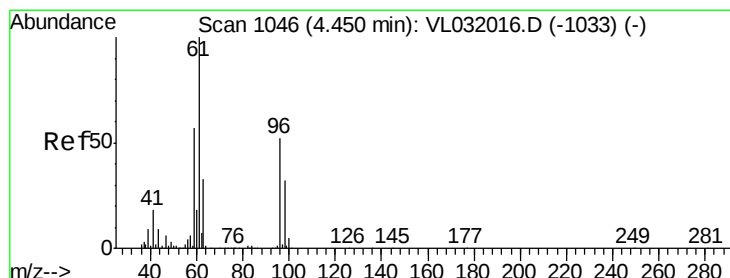
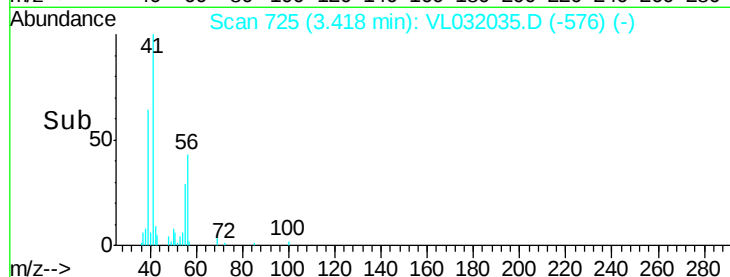
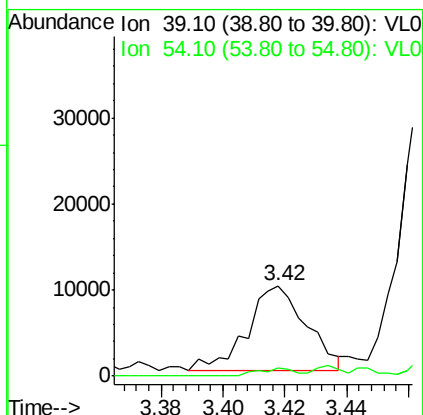
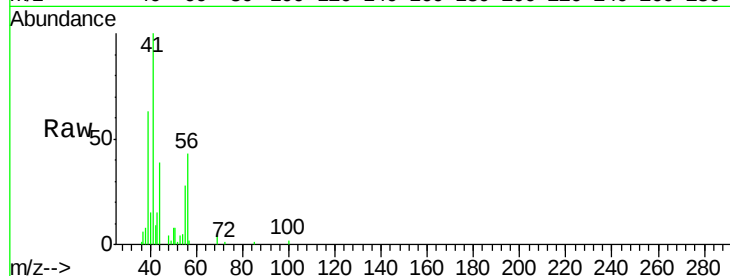




#16
 1,3-Butadiene
 Concen: 0.25 ppbv
 RT: 3.42 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

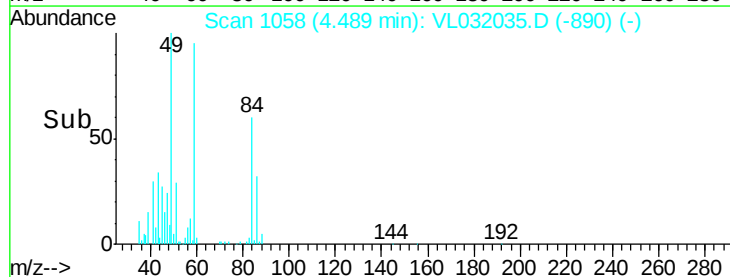
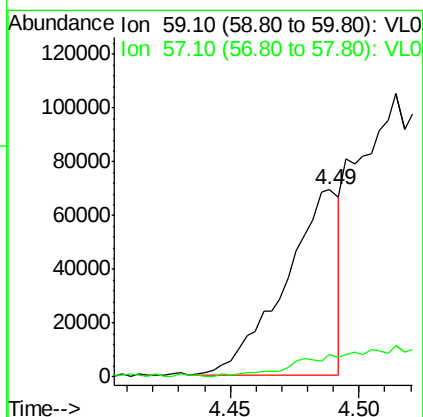
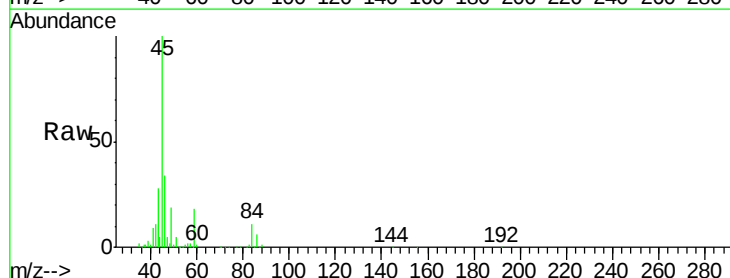
Instrument :
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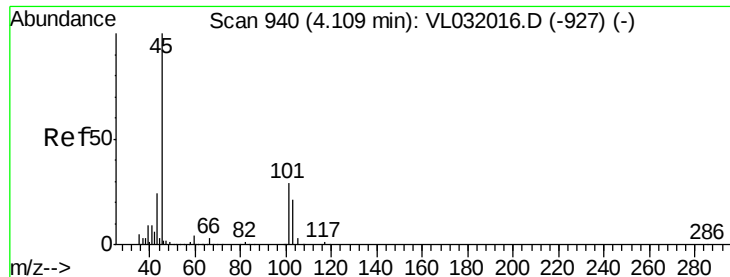
Tgt Ion: 39 Resp: 13070
 Ion Ratio Lower Upper
 39 100
 54 14.2 65.7 98.5#



#17
 tert-Butyl alcohol
 Concen: 1.46 ppbv
 RT: 4.49 min Scan# 1058
 Delta R.T. 0.04 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion: 59 Resp: 101003
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



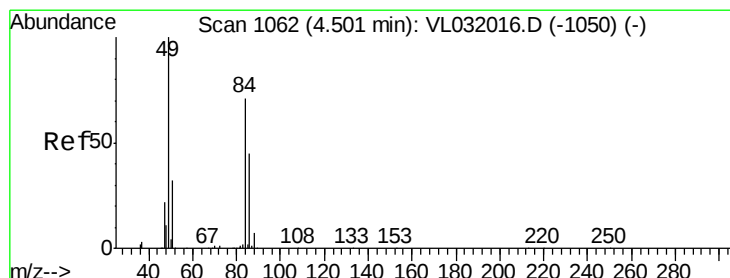
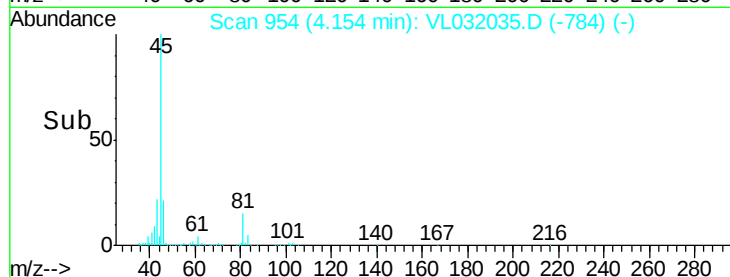
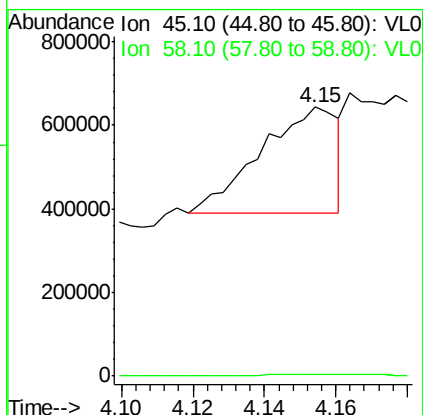
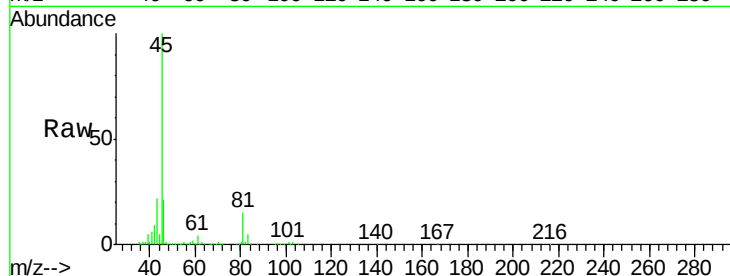


#19

Isopropyl Alcohol
 Concen: 3.93 ppbv
 RT: 4.15 min Scan# 954
 Delta R.T. 0.05 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-DUP-052518

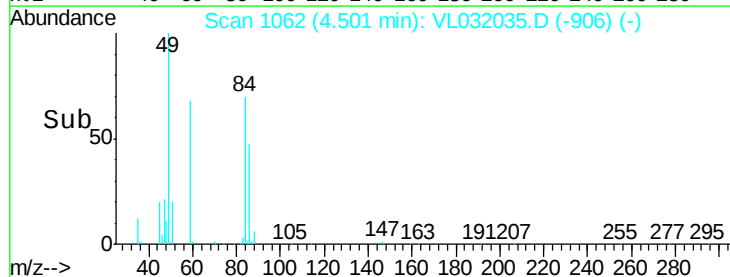
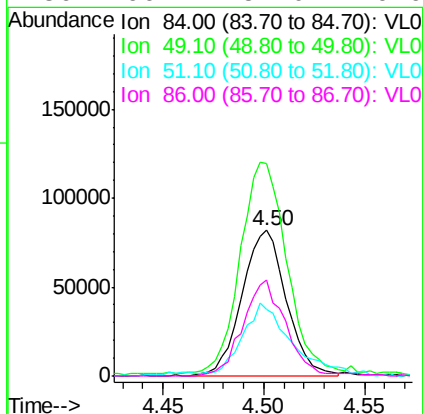
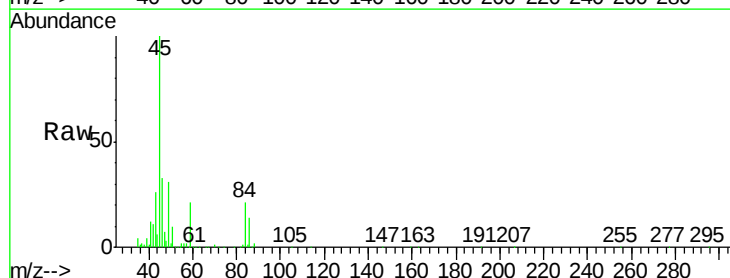
Tgt Ion: 45 Resp: 375535
 Ion Ratio Lower Upper
 45 100
 58 135.5 1.5 2.3#

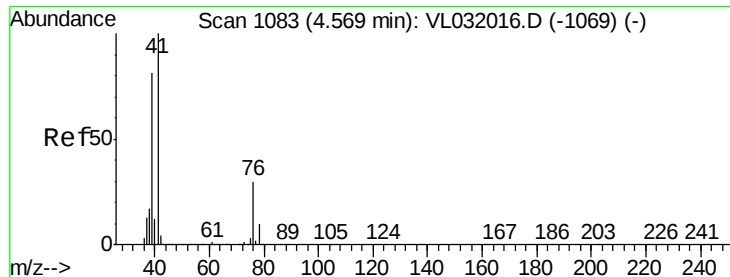


#20

Methylene Chloride
 Concen: 1.94 ppbv
 RT: 4.50 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion: 84 Resp: 127043
 Ion Ratio Lower Upper
 84 100
 49 142.9 113.0 169.4
 51 43.1 36.4 54.6
 86 66.4 51.0 76.6

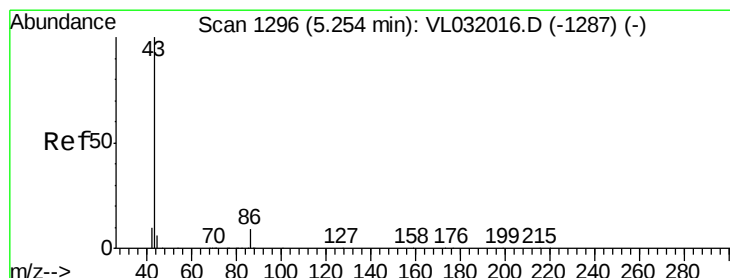
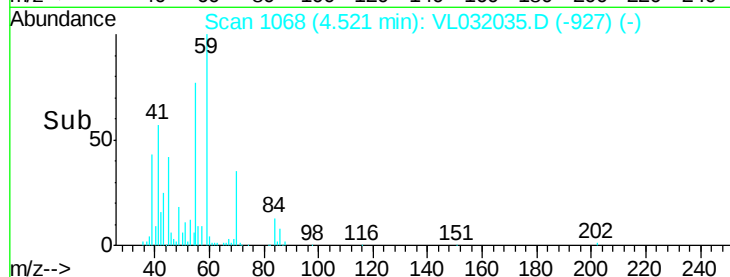
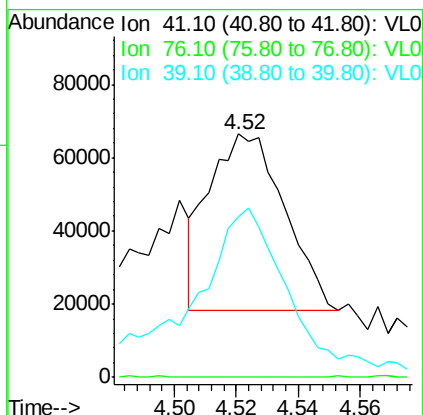
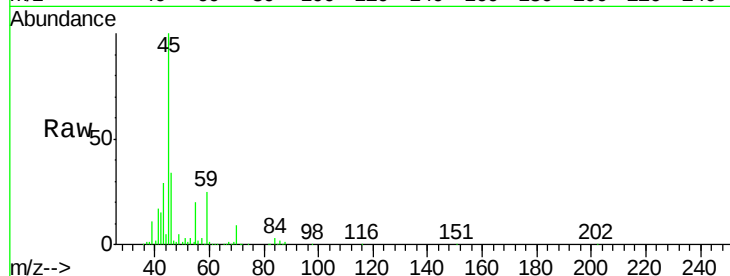




#21
 Allyl Chloride
 Concen: 0.80 ppbv
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.05 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

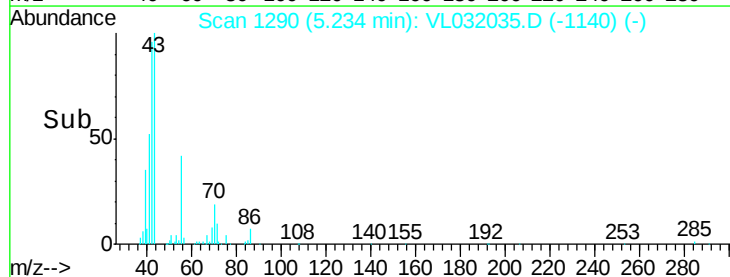
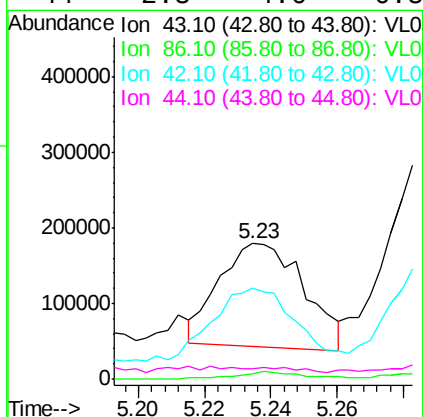
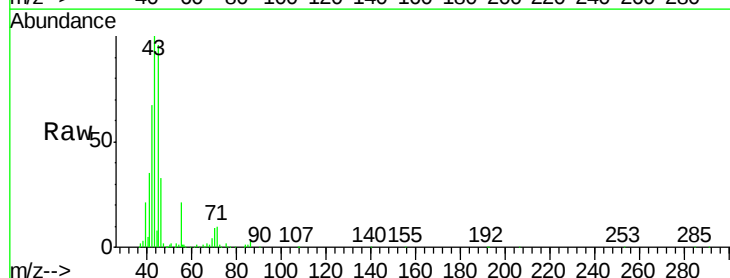
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-DUP-052518

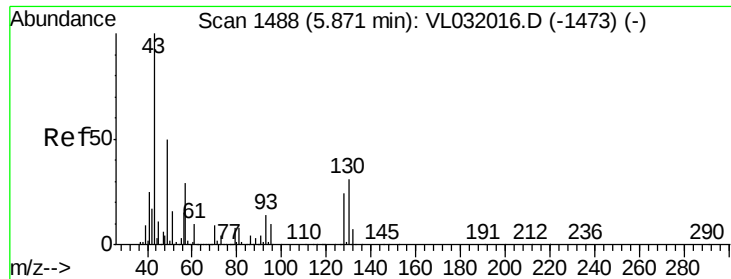
Tgt Ion: 41 Resp: 81433
 Ion Ratio Lower Upper
 41 100
 76 31.5 23.9 35.9
 39 122.5 65.9 98.9#



#23
 Vinyl Acetate
 Concen: 1.25 ppbv
 RT: 5.23 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion: 43 Resp: 243820
 Ion Ratio Lower Upper
 43 100
 86 3.7 6.2 9.4#
 42 82.2 8.7 13.1#
 44 2.3 4.6 6.8#

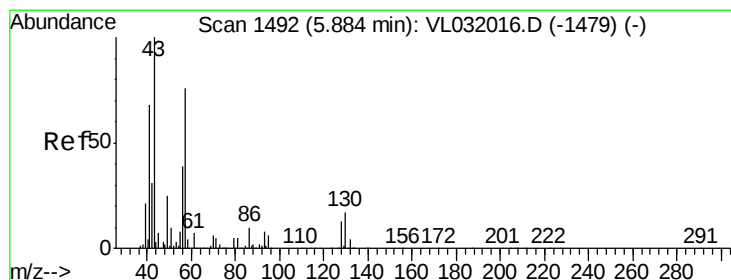
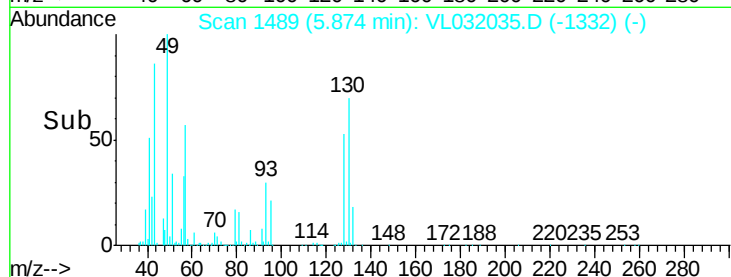
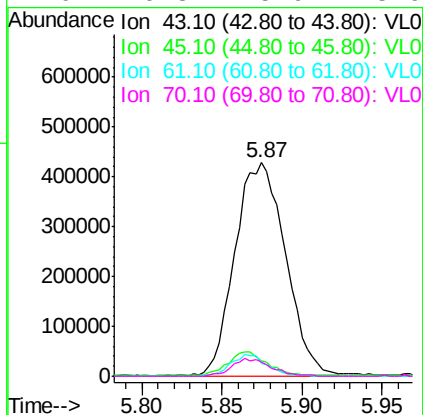
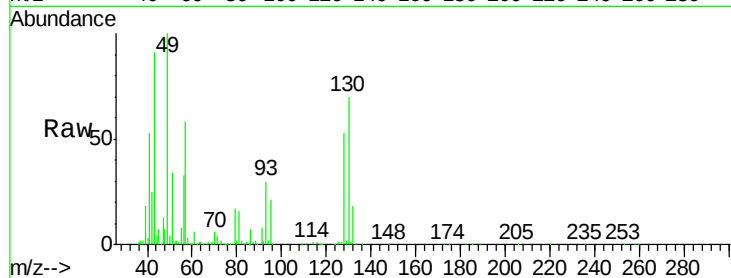




#25
Ethyl Acetate
Concen: 3.22 ppbv
RT: 5.87 min Scan# 1489
Delta R.T. 0.00 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

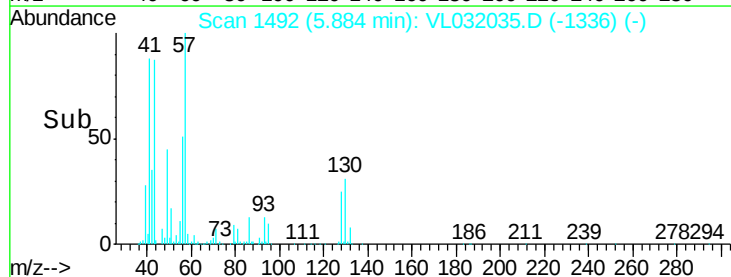
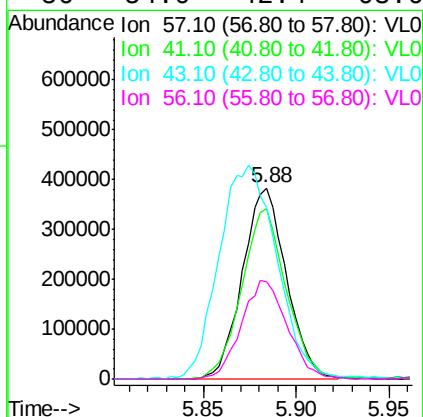
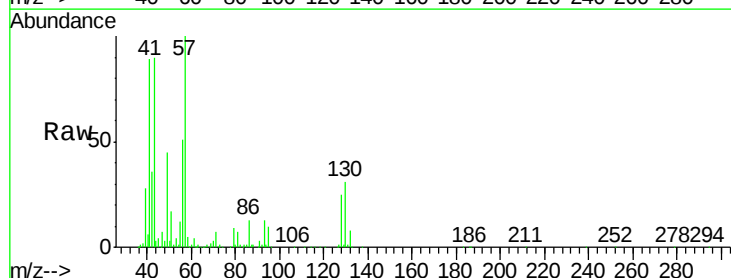
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-DUP-052518

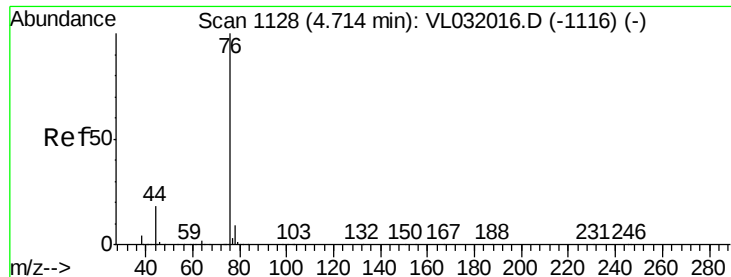
Tgt Ion:	43	Resp:	921435
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.6
61	7.4	7.4	11.2#
70	6.3	5.9	8.9



#26
Hexane
Concen: 4.73 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

Tgt Ion:	57	Resp:	628245
Ion	Ratio	Lower	Upper
57	100		
41	91.9	71.4	107.2
43	147.7	168.6	252.8#
56	54.0	42.4	63.6





#27

Carbon Disulfide

Concen: 0.14 ppbv

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-DUP-052518

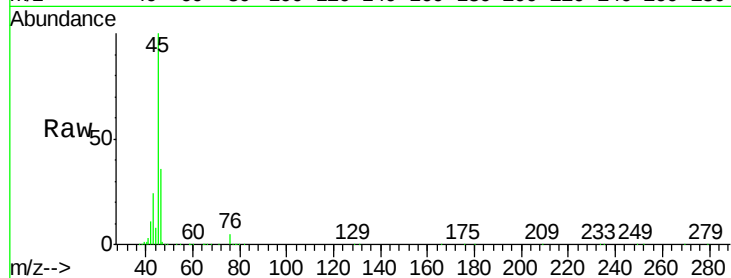
Tgt Ion: 76 Resp: 24790

Ion Ratio Lower Upper

76 100

44 50.9 14.9 22.3#

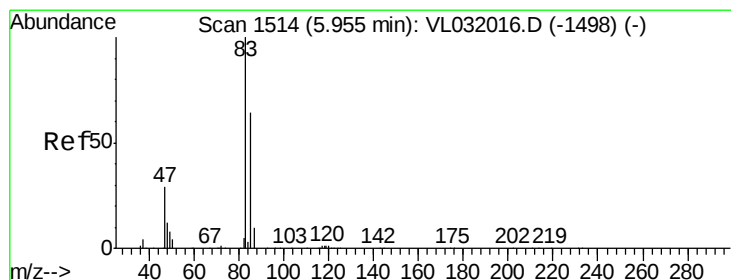
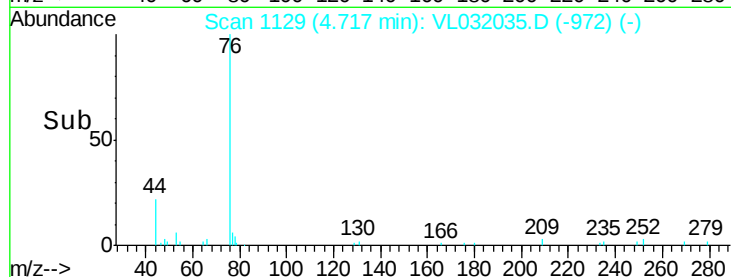
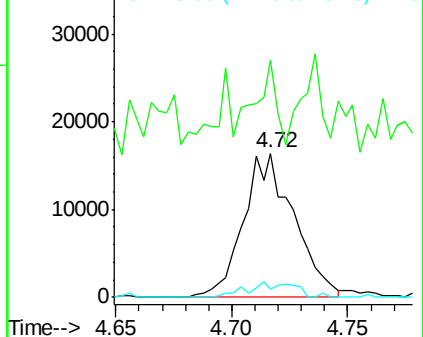
78 9.8 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.25 ppbv

RT: 5.95 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VL032035.D

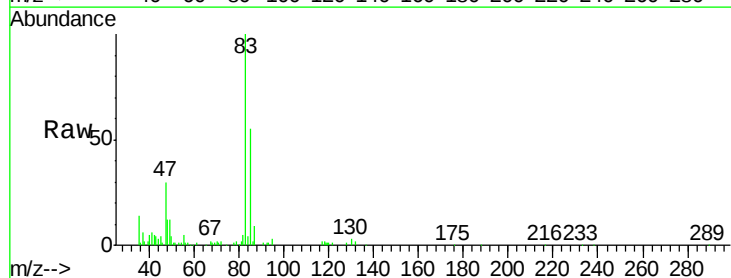
Acq: 2 Jun 2018 00:14

Tgt Ion: 83 Resp: 55591

Ion Ratio Lower Upper

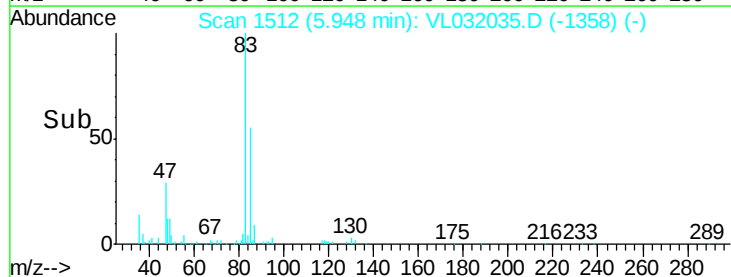
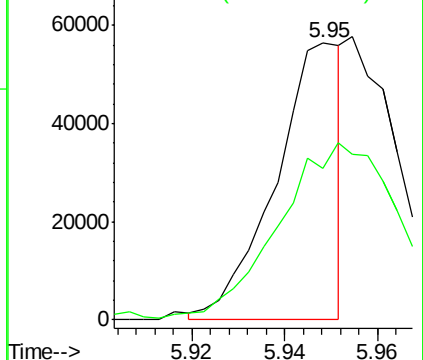
83 100

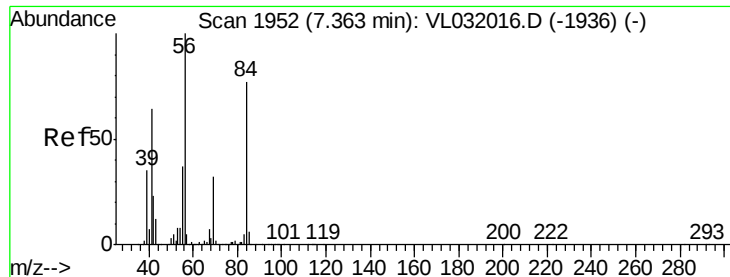
85 53.2 50.9 76.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

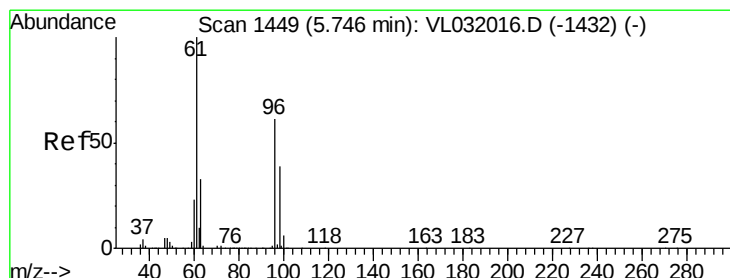
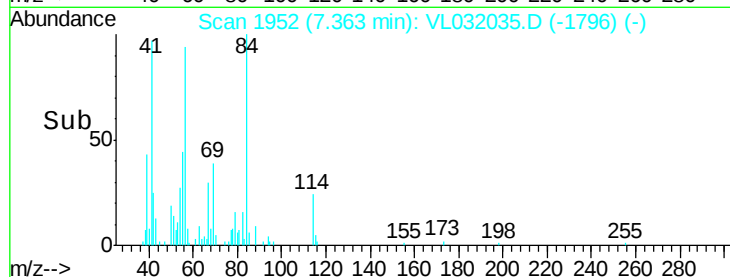
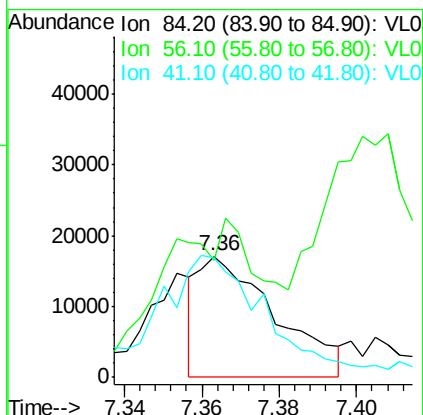
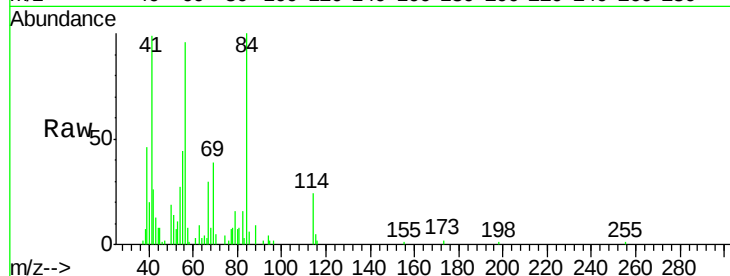




#30
Cyclohexane
Concen: 0.30 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

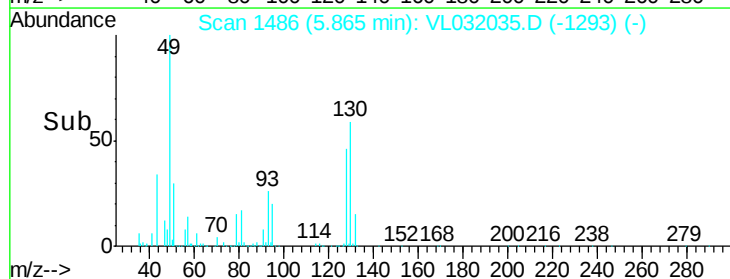
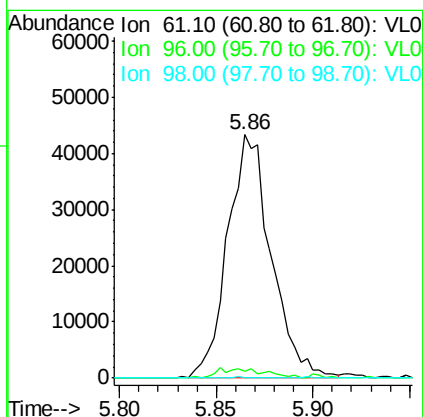
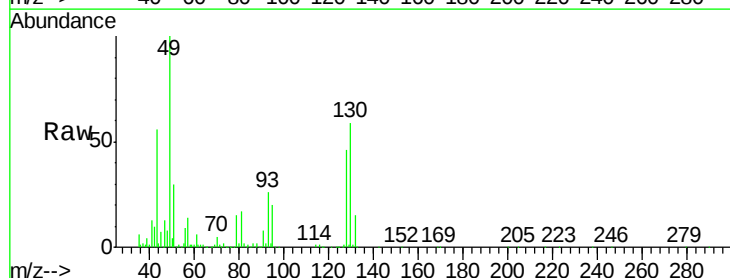
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-DUP-052518

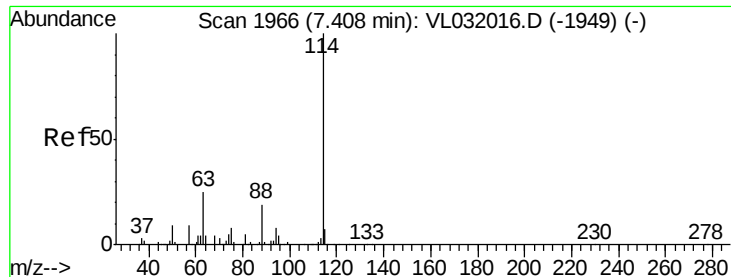
Tgt Ion: 84 Resp: 23520
Ion Ratio Lower Upper
84 100
56 170.7 108.6 162.8#
41 142.5 66.8 100.2#



#31
cis-1,2-Dichloroethene
Concen: 0.57 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. 0.12 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

Tgt Ion: 61 Resp: 67653
Ion Ratio Lower Upper
61 100
96 2.7 49.0 73.6#
98 0.4 31.2 46.8#

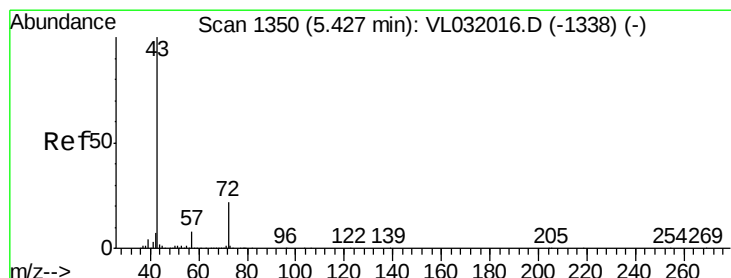
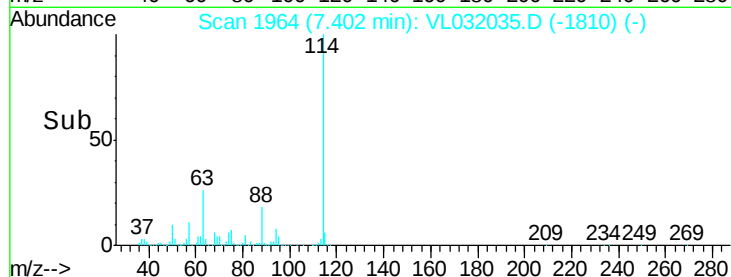
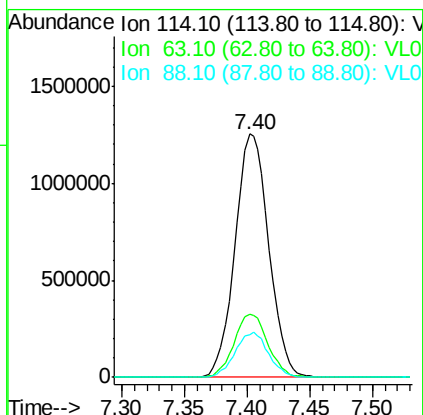
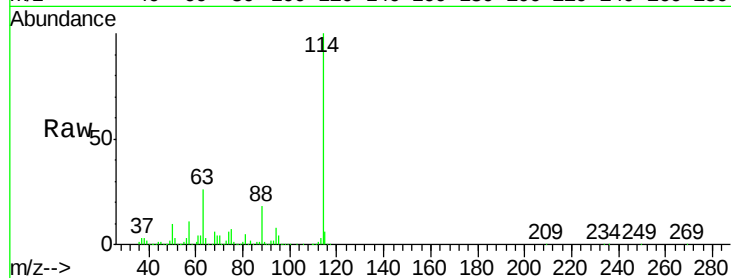




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.40 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

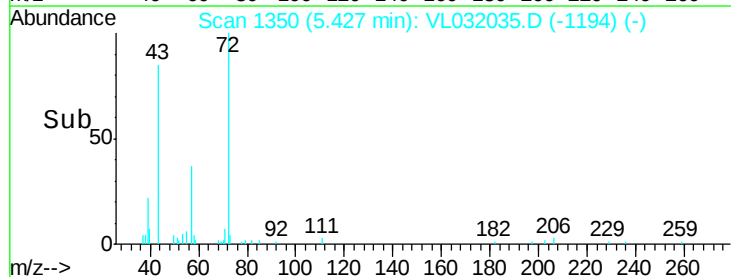
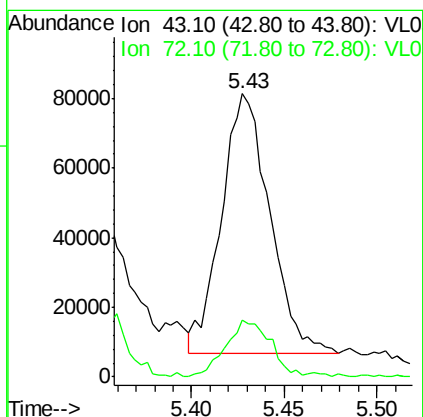
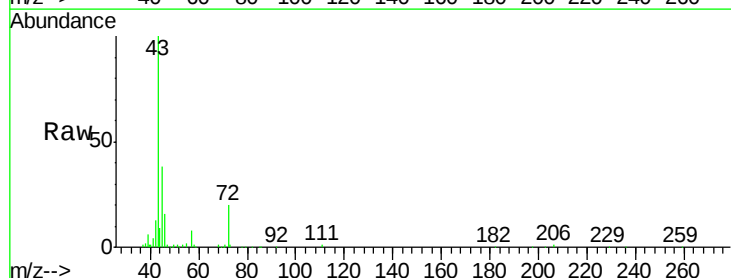
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-DUP-052518

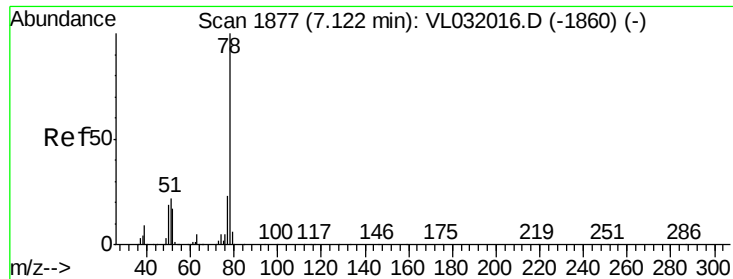
Tgt Ion:114 Resp: 2342666
 Ion Ratio Lower Upper
 114 100
 63 26.2 21.1 31.7
 88 18.4 14.8 22.2



#34
 2-Butanone
 Concen: 0.73 ppbv
 RT: 5.43 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion: 43 Resp: 134403
 Ion Ratio Lower Upper
 43 100
 72 21.5 18.6 27.8





#36

Benzene

Concen: 1.02 ppbv

RT: 7.11 min Scan# 1874

Delta R.T. -0.01 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-DUP-052518

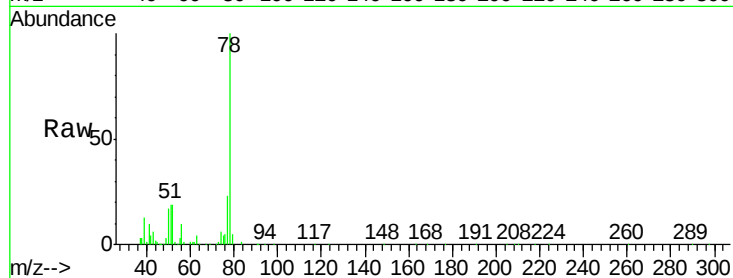
Tgt Ion: 78 Resp: 208995

Ion Ratio Lower Upper

78 100

77 22.9 18.1 27.1

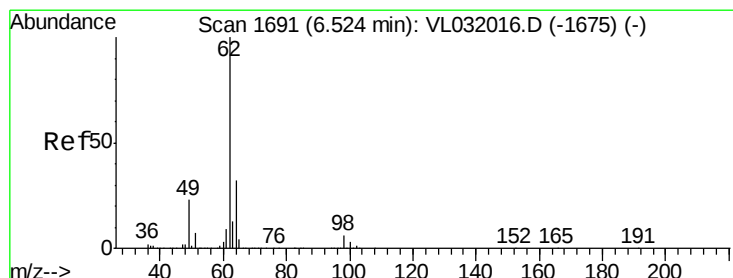
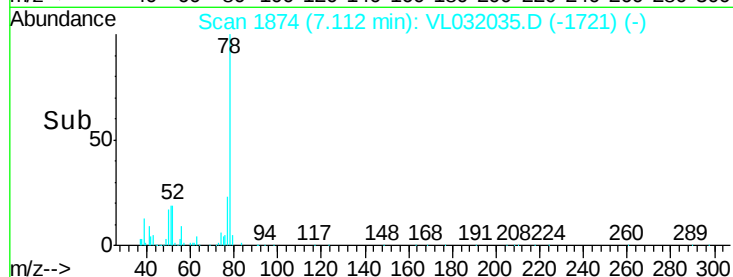
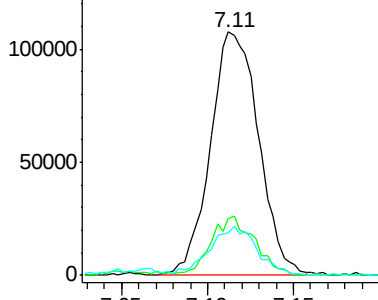
50 17.4 14.9 22.3



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



#37

1,2-Dichloroethane

Concen: 0.04 ppbv

RT: 6.52 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VL032035.D

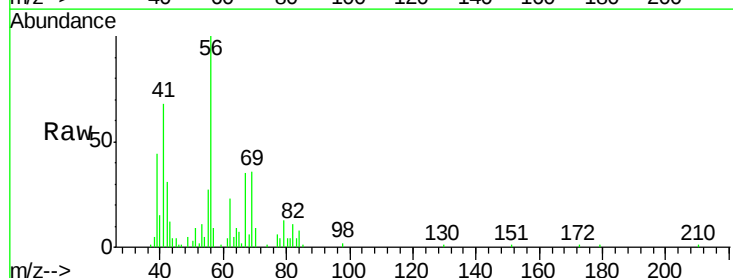
Acq: 2 Jun 2018 00:14

Tgt Ion: 62 Resp: 6166

Ion Ratio Lower Upper

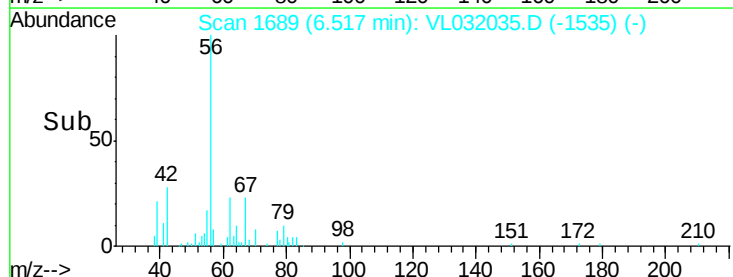
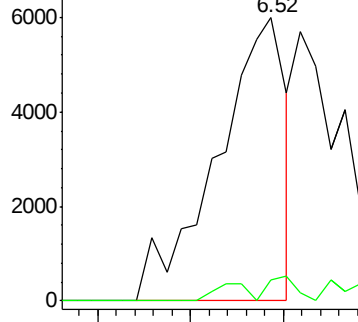
62 100

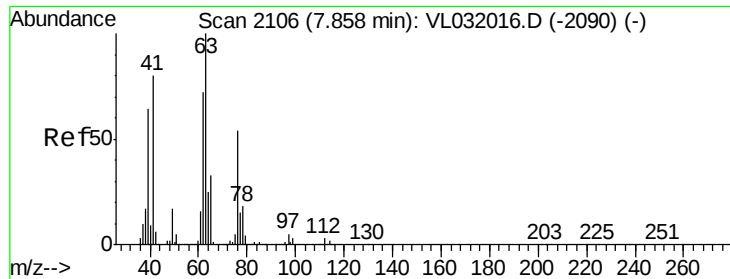
98 0.0 4.2 6.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 7.98 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.46 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-DUP-052518

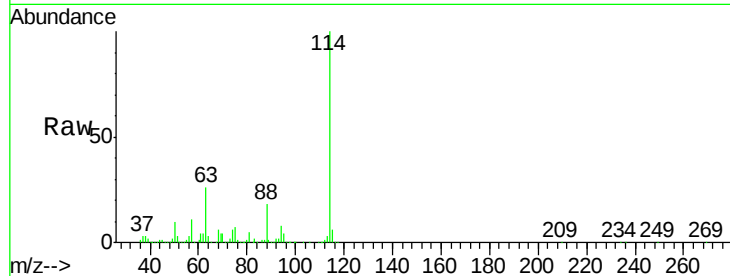
Tgt Ion: 63 Resp: 605348

Ion Ratio Lower Upper

63 100

41 0.0 64.0 96.0#

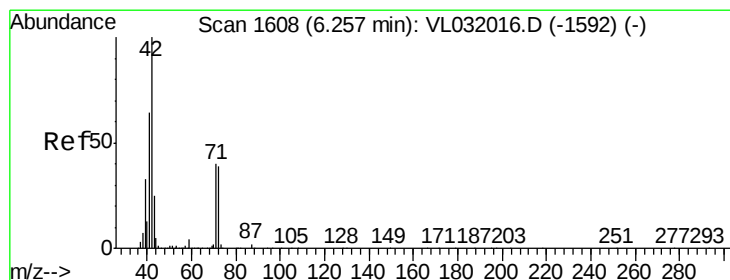
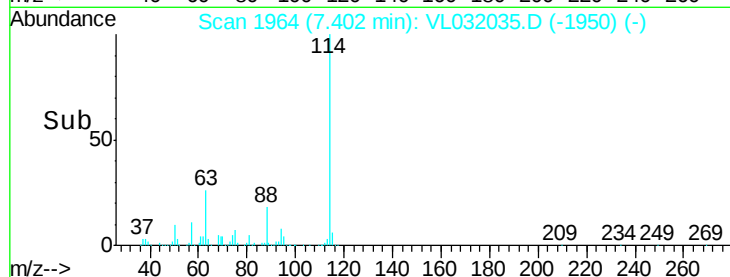
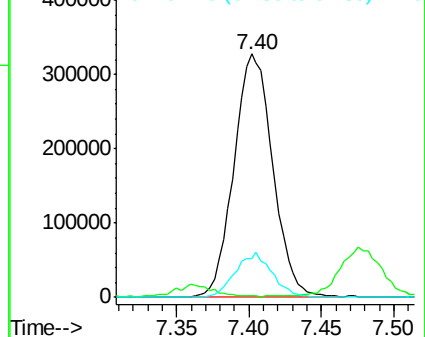
62 15.7 57.6 86.4#



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



#41

Tetrahydrofuran

Concen: 0.06 ppbv

RT: 6.26 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

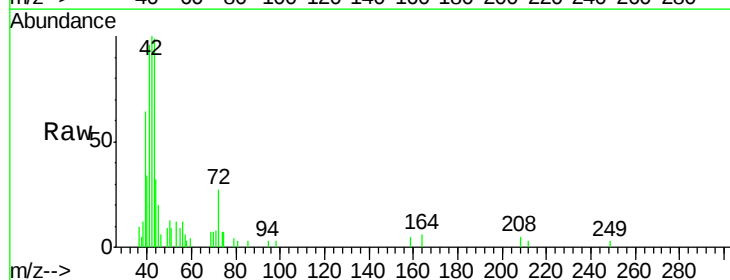
Tgt Ion: 42 Resp: 4999

Ion Ratio Lower Upper

42 100

72 71.8 32.3 48.5#

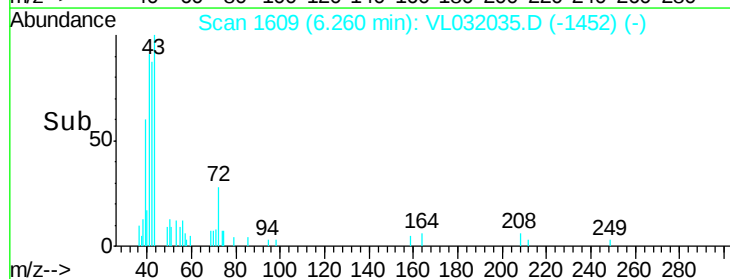
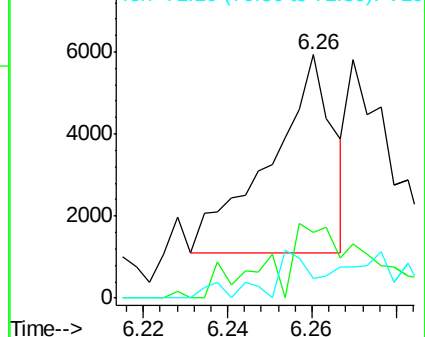
71 38.2 32.3 48.5

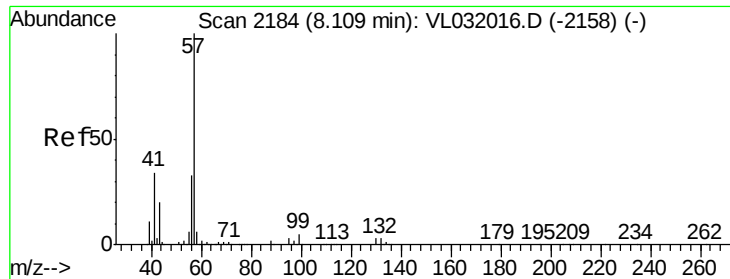


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

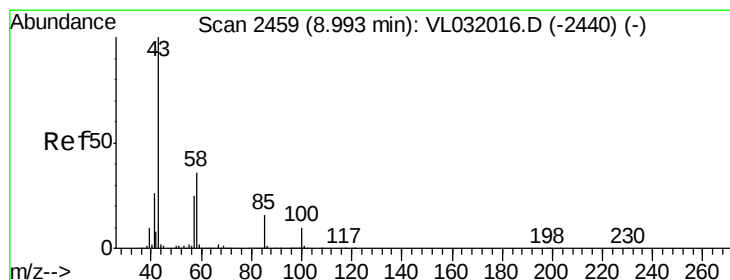
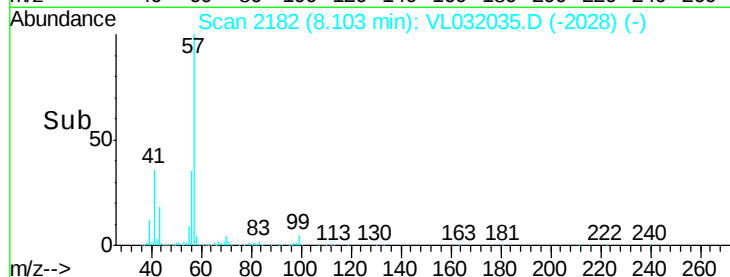
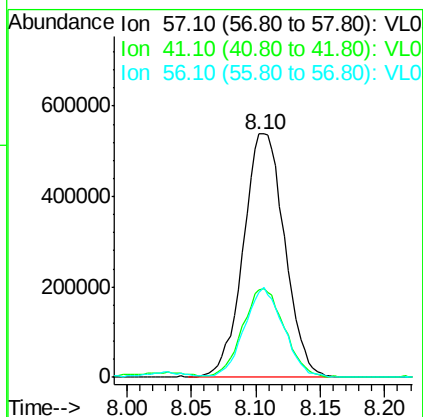
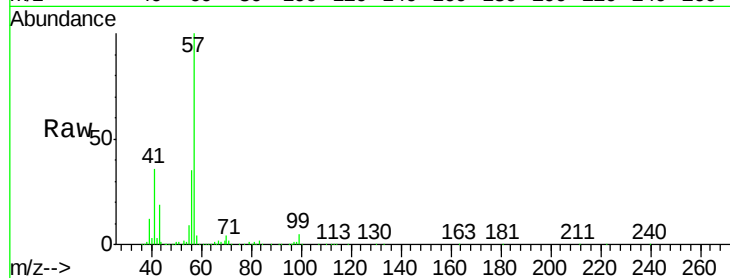




#44
 2,2,4-Trimethylpentane
 Concen: 3.40 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

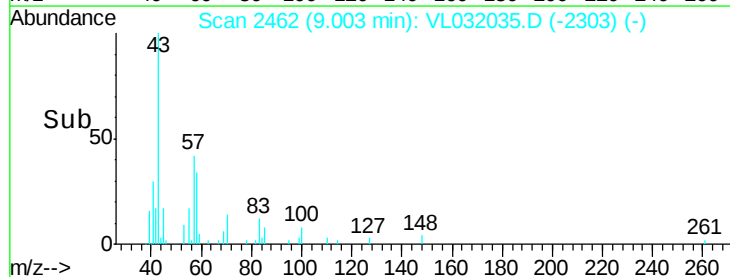
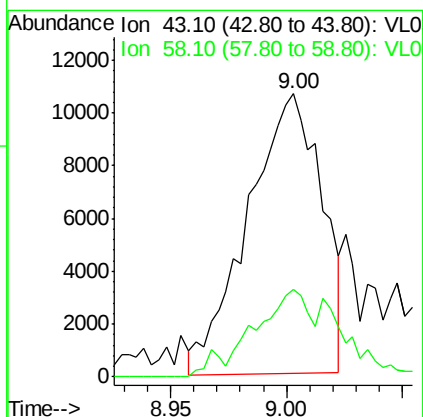
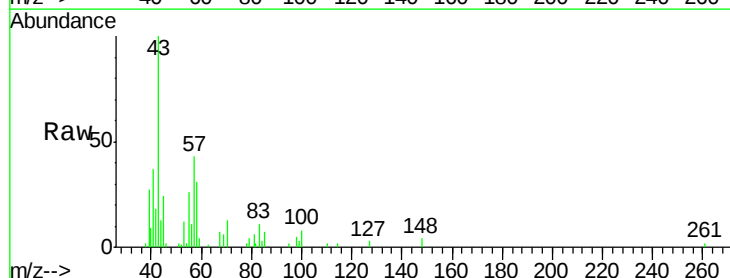
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-DUP-052518

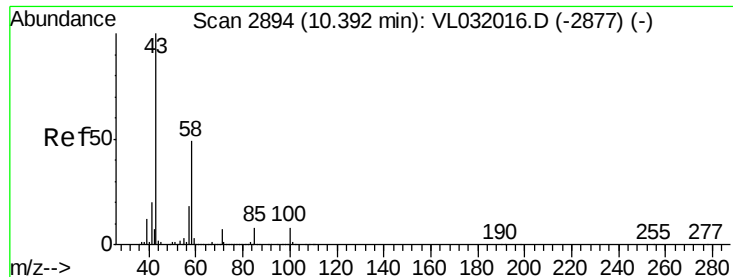
Tgt Ion: 57 Resp: 1198078
 Ion Ratio Lower Upper
 57 100
 41 36.9 26.6 40.0
 56 35.4 24.9 37.3



#50
 4-Methyl-2-Pentanone
 Concen: 0.13 ppbv
 RT: 9.00 min Scan# 2462
 Delta R.T. 0.01 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion: 43 Resp: 23475
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.1 43.7

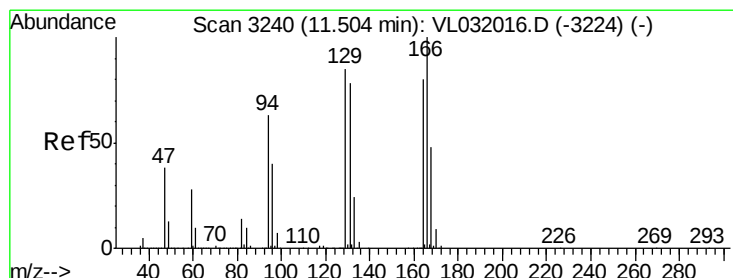
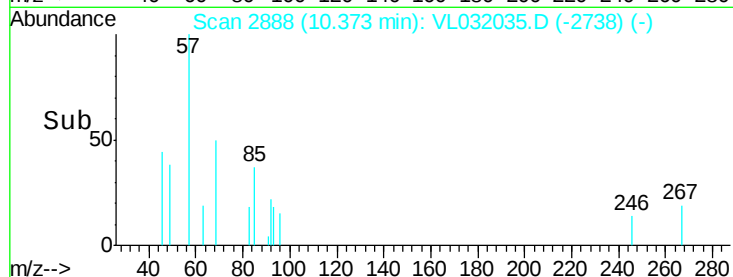
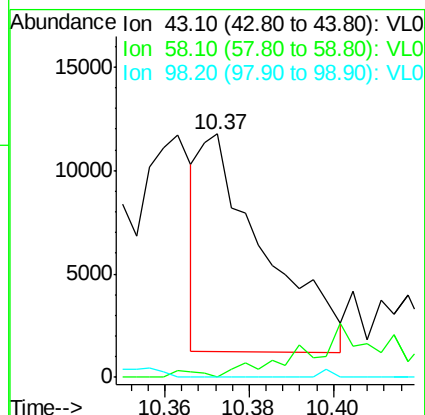
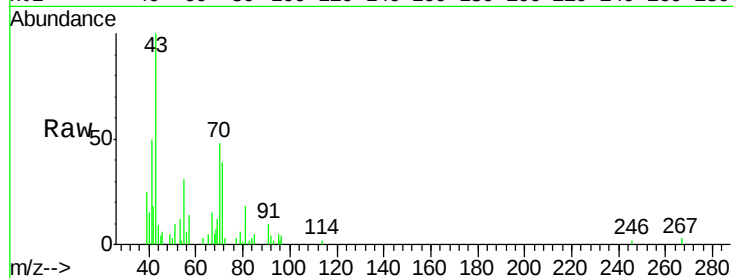




#51
 2-Hexanone
 Concen: 0.07 ppbv
 RT: 10.37 min Scan# 2888
 Delta R.T. -0.02 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

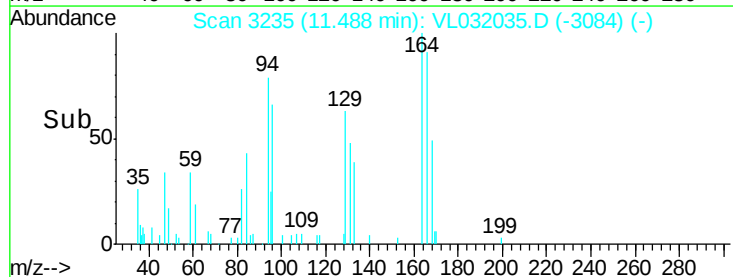
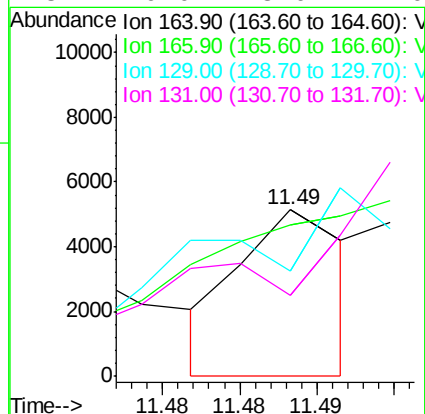
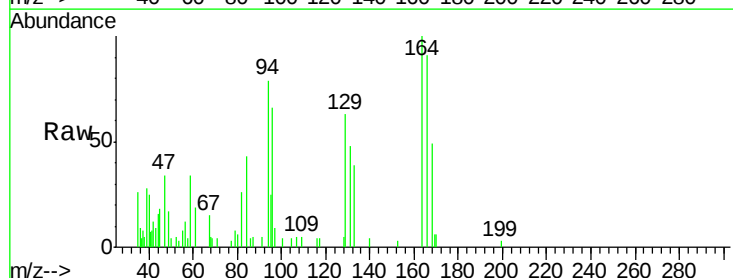
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-DUP-052518

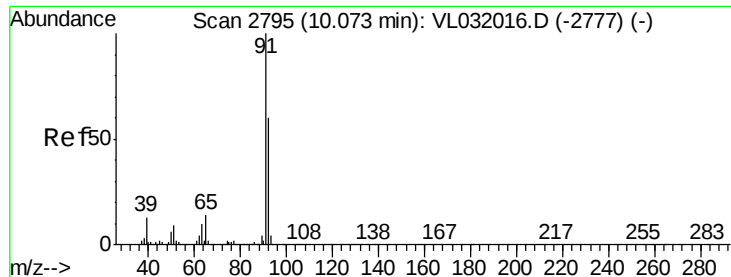
Tgt Ion: 43 Resp: 11158
 Ion Ratio Lower Upper
 43 100
 58 43.9 39.0 58.6
 98 0.0 0.4 0.6#



#52
 Tetrachloroethene
 Concen: 0.03 ppbv
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.02 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion: 164 Resp: 2461
 Ion Ratio Lower Upper
 164 100
 166 40.8 100.2 150.2#
 129 0.0 85.4 128.0#
 131 0.0 78.0 117.0#





#53

Toluene

Concen: 10.54 ppbv

RT: 10.07 min Scan# 2793

Delta R.T. -0.01 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

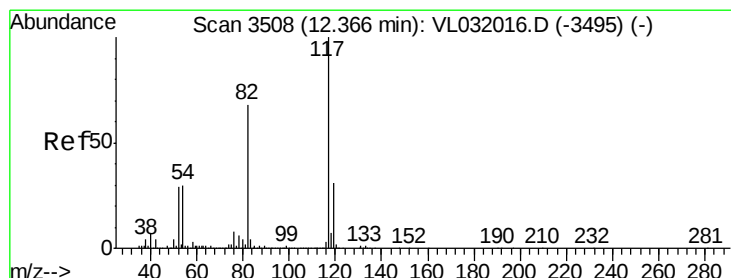
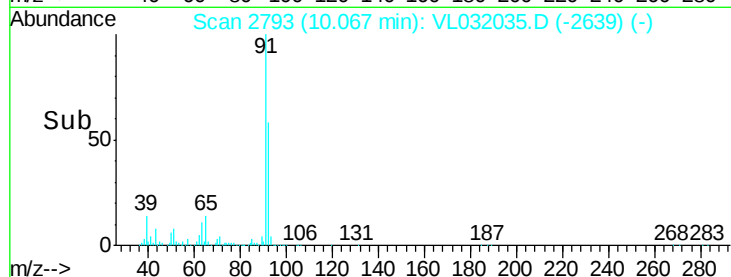
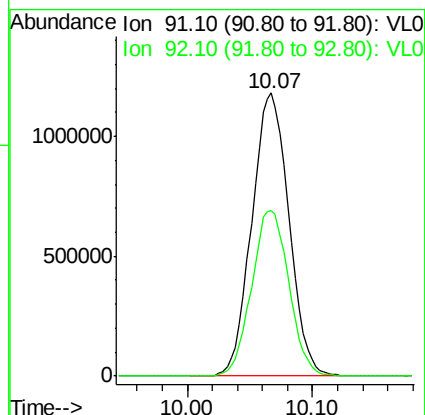
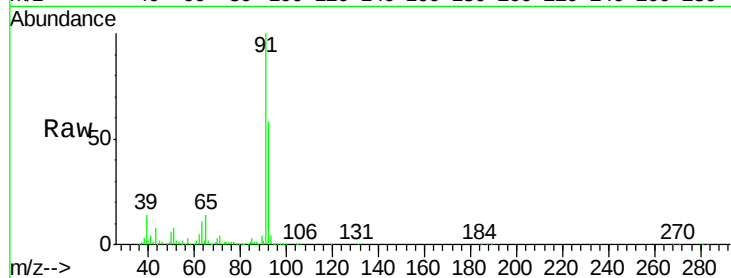
LIHA-IA1-DUP-052518

Tgt Ion: 91 Resp: 2426271

Ion Ratio Lower Upper

91 100

92 58.9 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.37 min Scan# 3508

Delta R.T. 0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

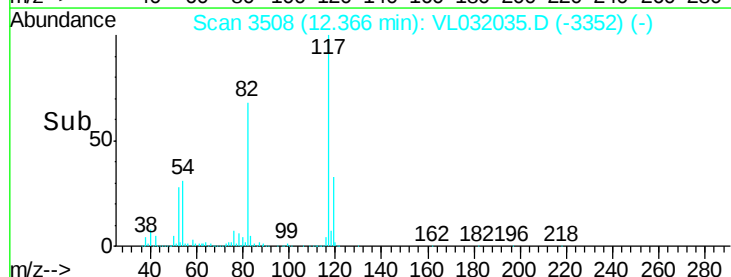
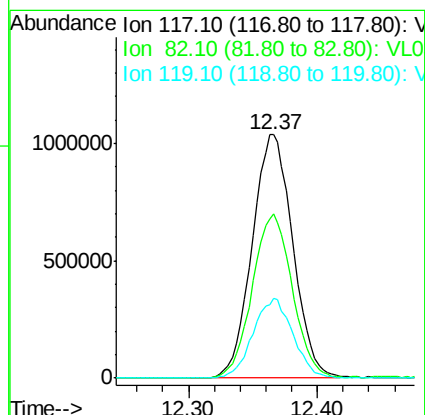
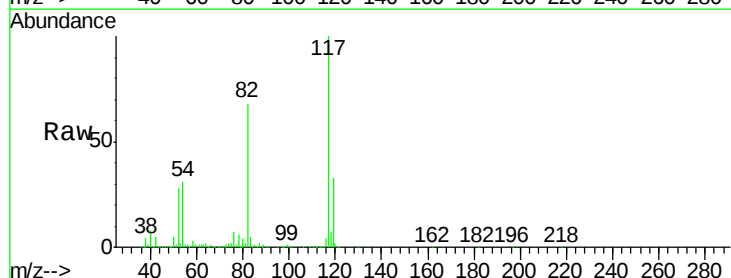
Tgt Ion: 117 Resp: 2279041

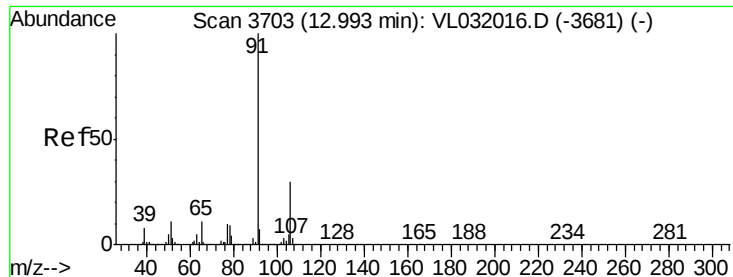
Ion Ratio Lower Upper

117 100

82 66.6 52.7 79.1

119 32.2 25.5 38.3





#58

Ethyl Benzene

Concen: 0.46 ppbv

RT: 12.99 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

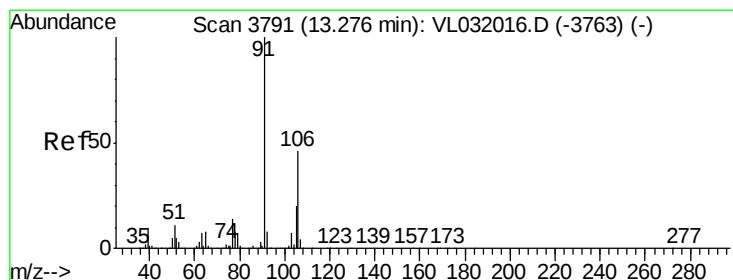
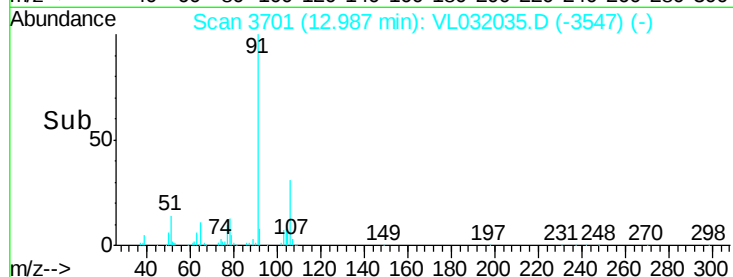
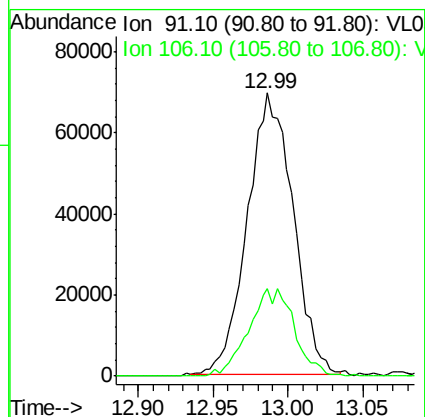
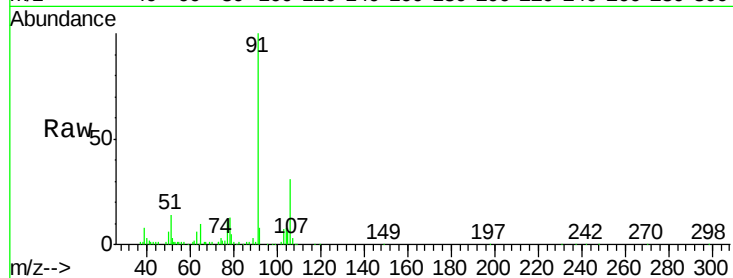
LIHA-IA1-DUP-052518

Tgt Ion: 91 Resp: 147401

Ion Ratio Lower Upper

91 100

106 31.1 24.2 36.2



#59

m/p-Xylene

Concen: 1.60 ppbv

RT: 13.24 min Scan# 3780

Delta R.T. -0.04 min

Lab File: VL032035.D

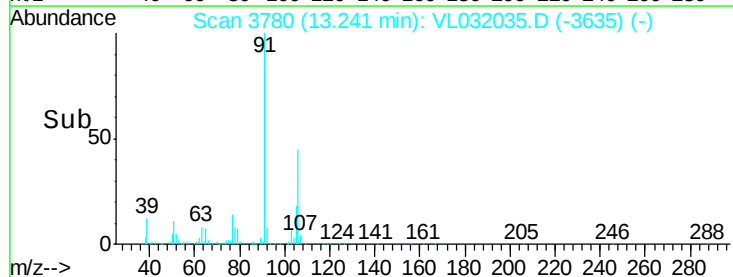
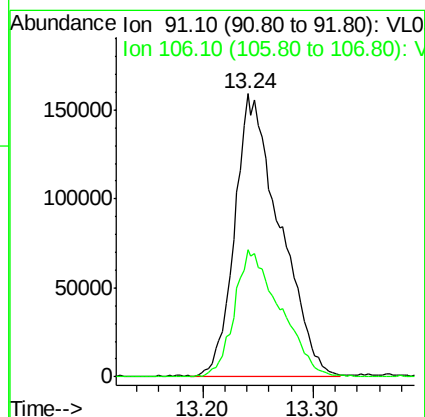
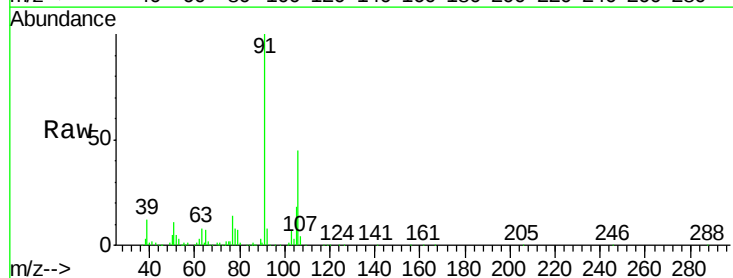
Acq: 2 Jun 2018 00:14

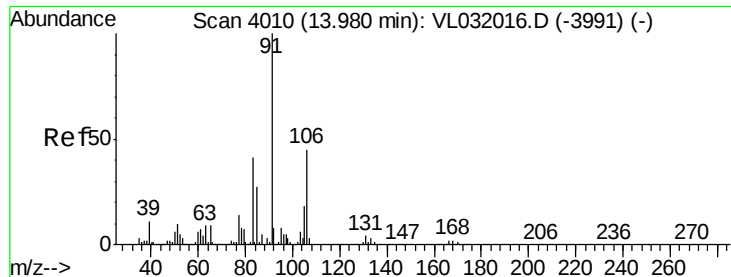
Tgt Ion: 91 Resp: 450052

Ion Ratio Lower Upper

91 100

106 45.6 35.7 53.5

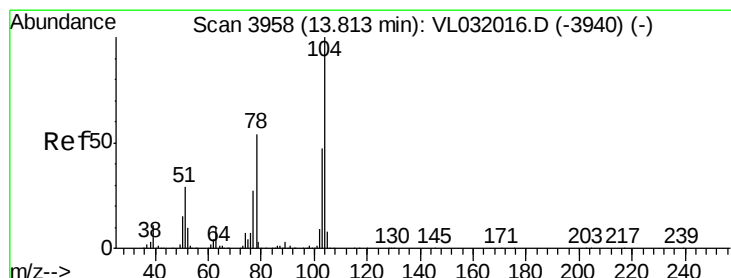
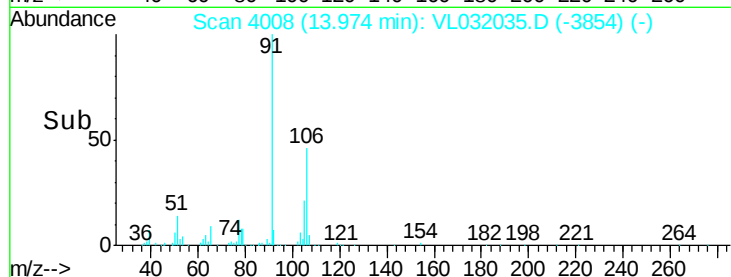
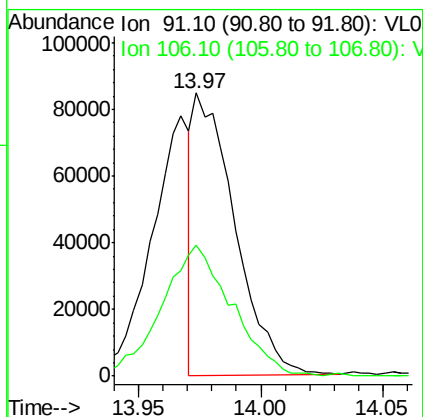
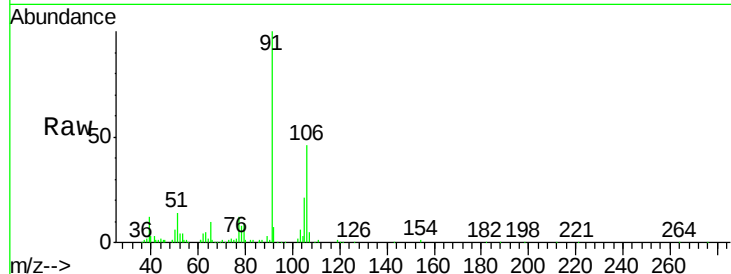




#60
o-Xylene
Concen: 0.35 ppbv
RT: 13.97 min Scan# 4008
Delta R.T. -0.01 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

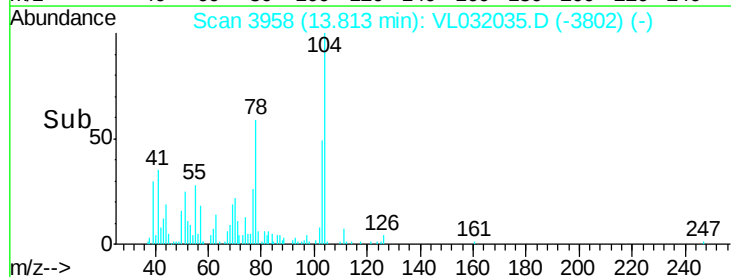
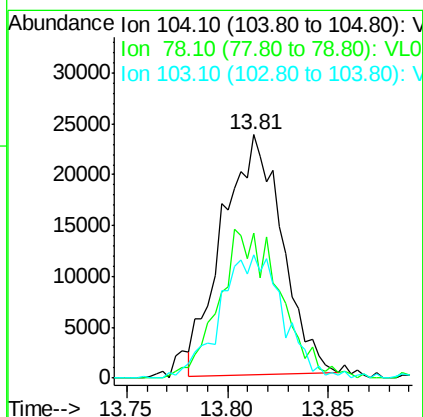
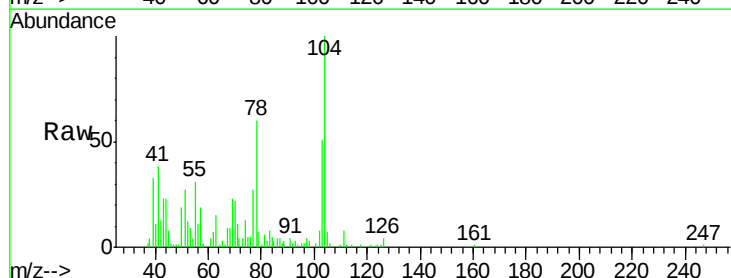
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-DUP-052518

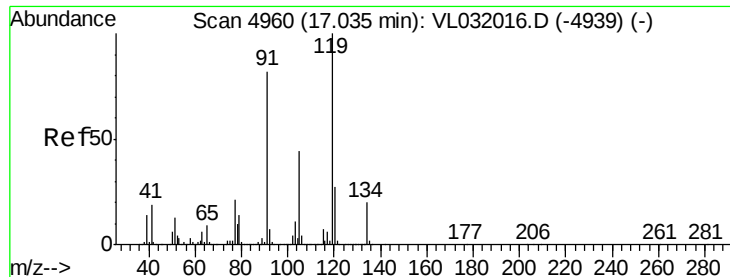
Tgt Ion: 91 Resp: 98664
Ion Ratio Lower Upper
91 100
106 80.5 21.9 65.5#



#61
Styrene
Concen: 0.90 ppbv
RT: 13.81 min Scan# 3958
Delta R.T. 0.00 min
Lab File: VL032035.D
Acq: 2 Jun 2018 00:14

Tgt Ion: 104 Resp: 49037
Ion Ratio Lower Upper
104 100
78 63.0 43.0 64.4
103 55.1 37.4 56.2

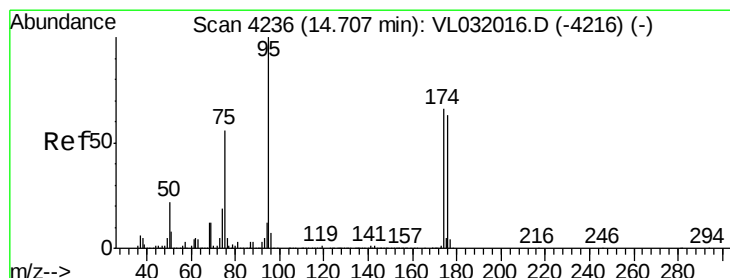
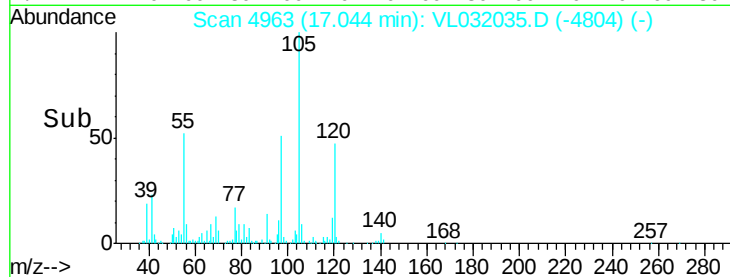
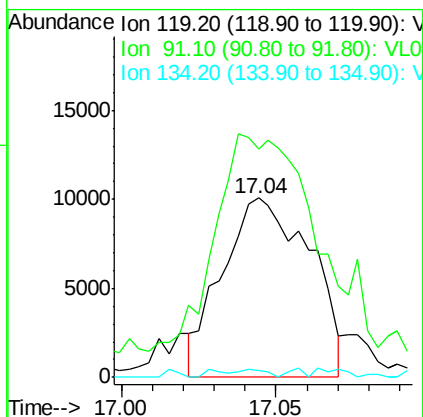
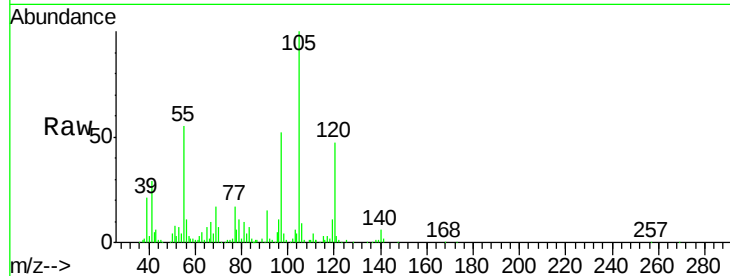




#65
 tert-Butylbenzene
 Concen: 0.06 ppbv
 RT: 17.04 min Scan# 4963
 Delta R.T. 0.01 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

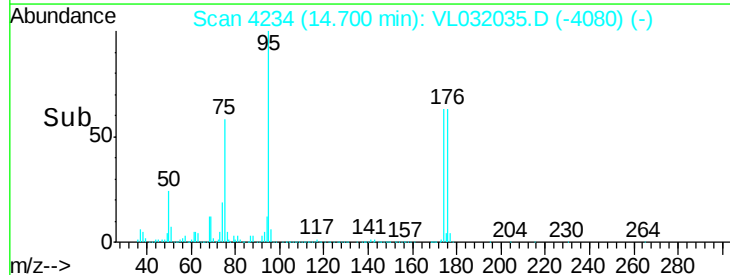
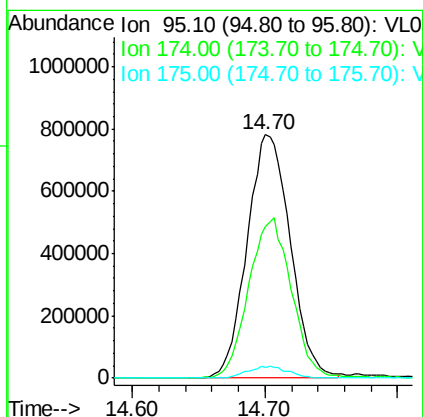
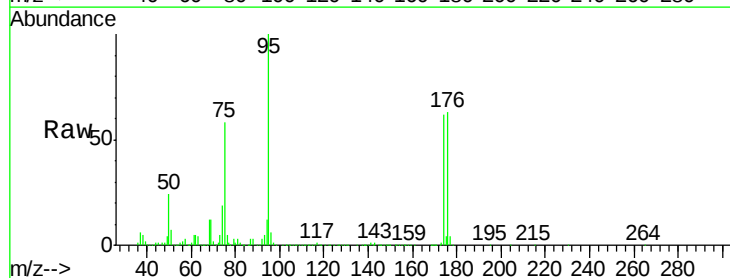
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-DUP-052518

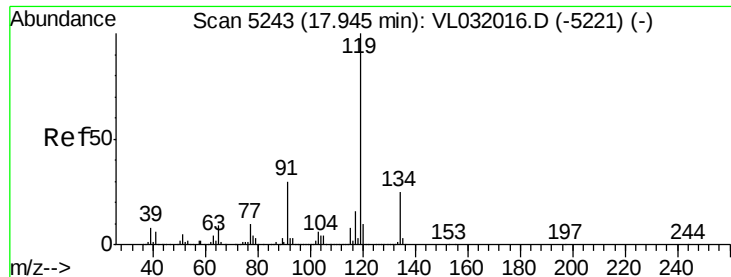
Tgt Ion: 119 Resp: 19896
 Ion Ratio Lower Upper
 119 100
 91 170.5 68.2 102.4#
 134 0.0 15.6 23.4#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.07 ppbv
 RT: 14.70 min Scan# 4234
 Delta R.T. -0.01 min
 Lab File: VL032035.D
 Acq: 2 Jun 2018 00:14

Tgt Ion: 95 Resp: 1771896
 Ion Ratio Lower Upper
 95 100
 174 66.0 53.2 79.8
 175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.03 ppbv

RT: 17.94 min Scan# 5242

Delta R.T. -0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

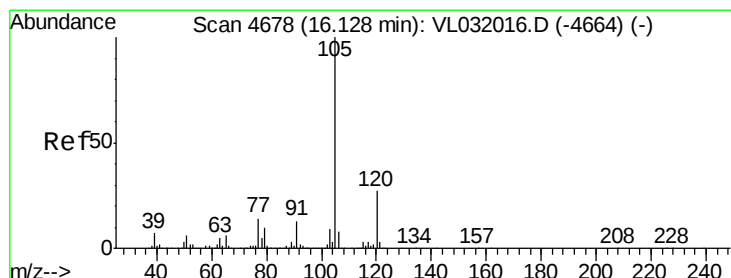
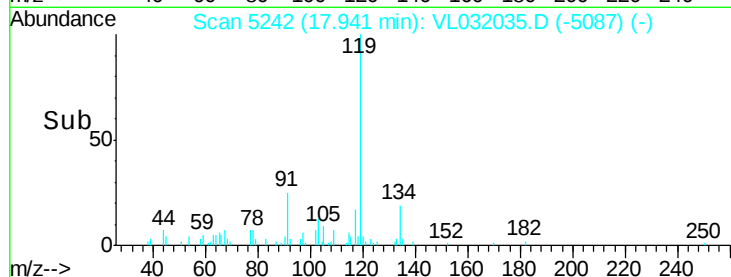
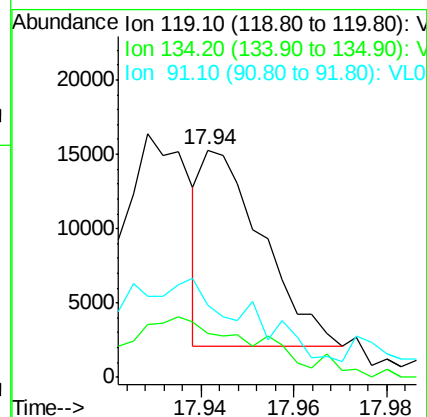
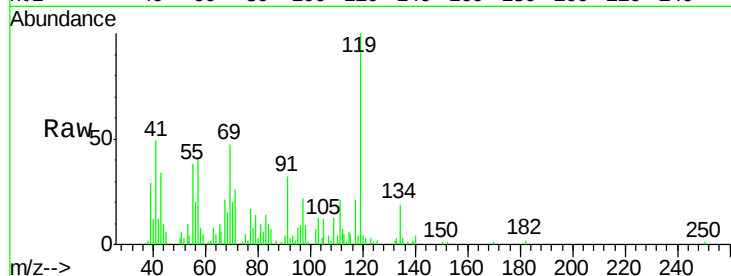
Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-DUP-052518

Tgt Ion:	119	Resp:	11903
Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.9	29.9#
91	0.0	24.1	36.1#



#72

4-Ethyltoluene

Concen: 0.20 ppbv

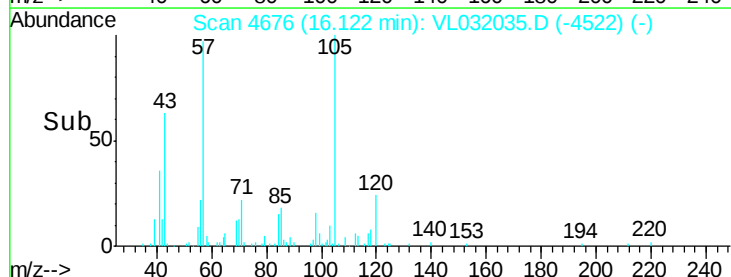
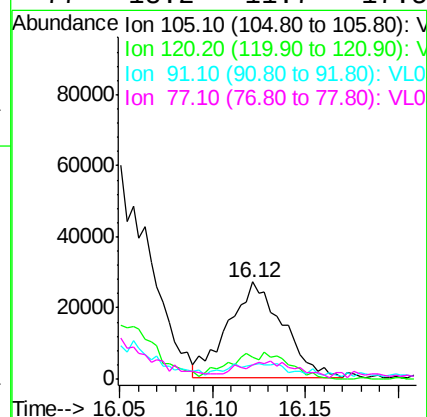
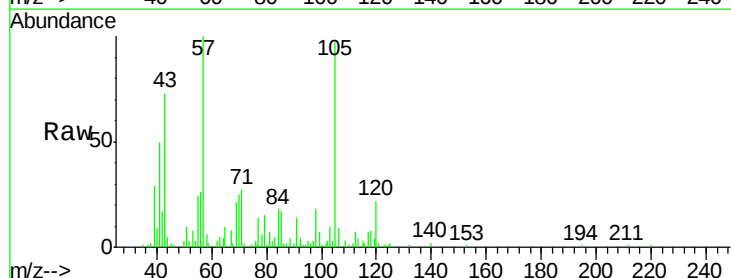
RT: 16.12 min Scan# 4676

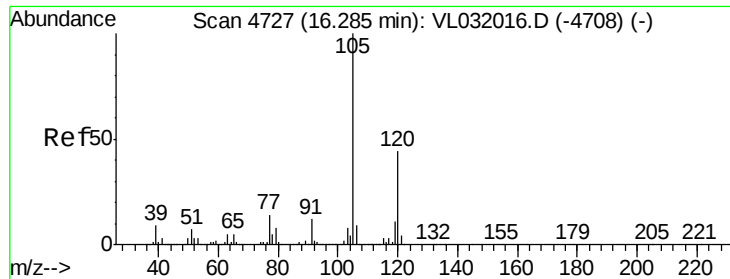
Delta R.T. -0.01 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Tgt Ion:	105	Resp:	55126
Ion	Ratio	Lower	Upper
105	100		
120	30.0	23.4	35.0
91	16.1	10.7	16.1
77	18.2	11.7	17.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.15 ppbv

RT: 16.28 min Scan# 4726

Delta R.T. -0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

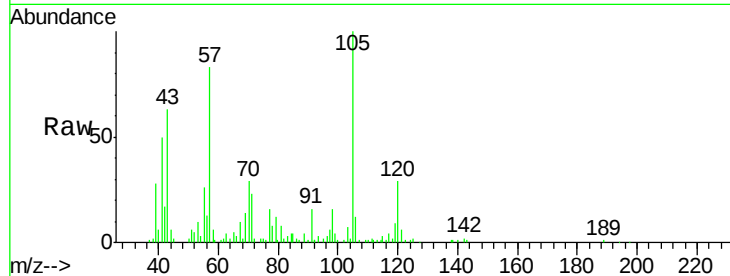
LIHA-IA1-DUP-052518

Tgt Ion:105 Resp: 39661

Ion Ratio Lower Upper

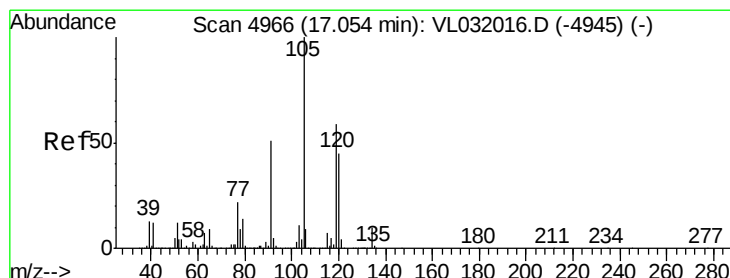
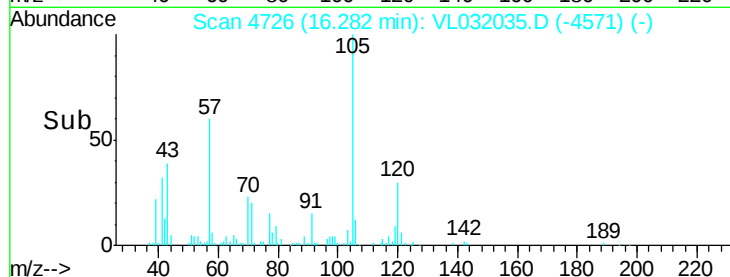
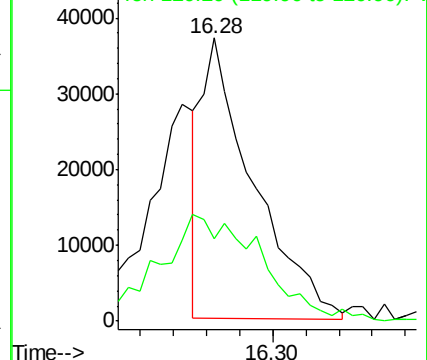
105 100

120 25.6 35.0 52.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.32 ppbv

RT: 17.05 min Scan# 4965

Delta R.T. -0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Tgt Ion:105 Resp: 93437

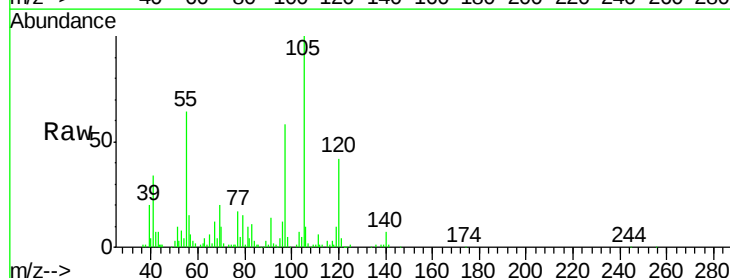
Ion Ratio Lower Upper

105 100

120 40.5 36.0 54.0

91 12.6 41.4 62.0#

77 16.4 17.3 25.9#

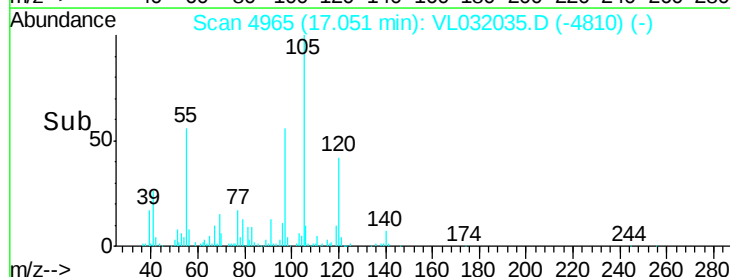
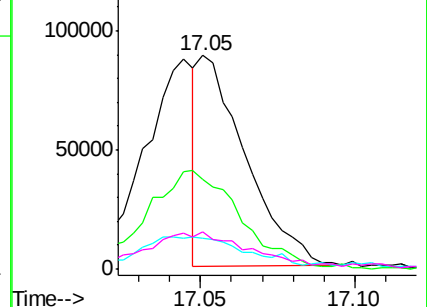


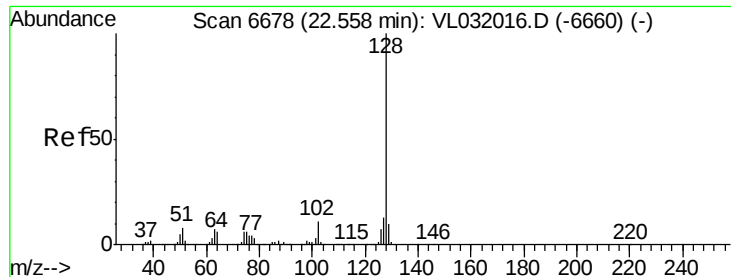
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.06 ppbv

RT: 22.56 min Scan# 6677

Delta R.T. -0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-DUP-052518

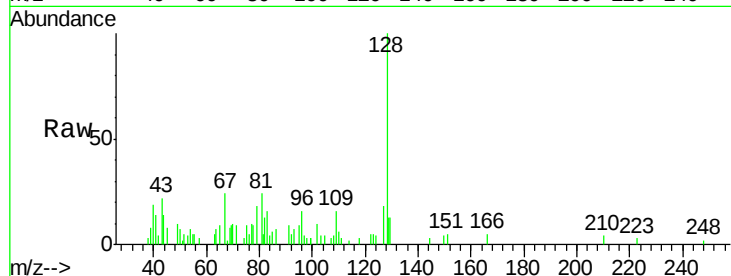
Tgt Ion:128 Resp: 9454

Ion Ratio Lower Upper

128 100

127 18.6 10.2 15.2#

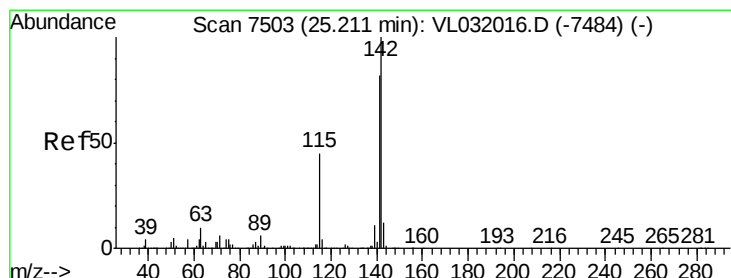
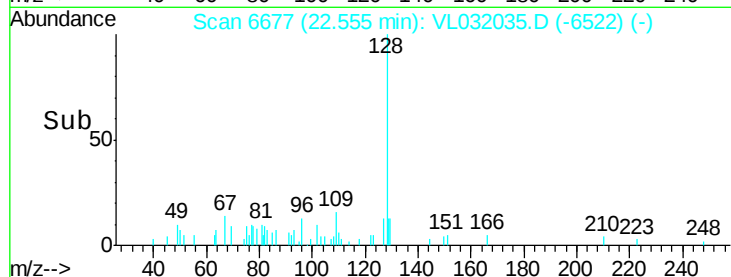
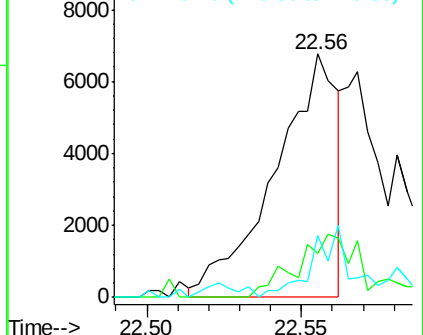
129 26.4 8.2 12.2#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.03 ppbv

RT: 25.21 min Scan# 7504

Delta R.T. 0.00 min

Lab File: VL032035.D

Acq: 2 Jun 2018 00:14

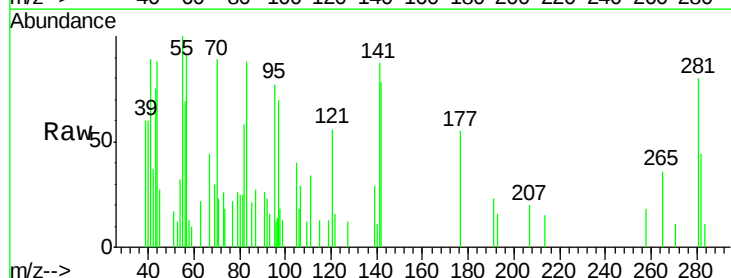
Tgt Ion:142 Resp: 1353

Ion Ratio Lower Upper

142 100

141 85.0 67.4 101.2

115 70.7 35.3 52.9#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

