

Data File : VL032882.D
Acq On : 4 Dec 2018 18:44
Operator : SY/AP
Sample : J6175-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-01

Quant Time: Dec 05 05:48:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1425823	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3523547	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3523731	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 2552475 9.68 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 96.80%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	157343	0.768 ppbv	100
3) Chlorodifluoromethane	3.02	51	41101	0.364 ppbv #	89
4) Chloromethane	3.17	50	12125	0.193 ppbv	89
9) Propene	3.04	41	532206	11.765 ppbv	94
10) Heptane	8.26	43	13962	0.081 ppbv #	26
11) Trichlorofluoromethane	4.01	101	76275	0.395 ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.56	101	5208	0.033 ppbv #	36
13) Ethanol	3.66	45	206561	13.941 ppbv	99
15) Acetone	3.90	43	2012174	15.453 ppbv #	79
16) 1,3-Butadiene	3.35	39	721336	14.305 ppbv #	14
17) tert-Butyl alcohol	4.38	59	54882	1.344 ppbv #	93
19) Isopropyl Alcohol	4.04	45	12261	0.141 ppbv #	95
20) Methylene Chloride	4.42	84	314553	4.666 ppbv	95
21) Allyl Chloride	4.44	41	5048	0.046 ppbv #	1
23) Vinyl Acetate	5.26	43	105568	0.445 ppbv #	10
25) Ethyl Acetate	5.78	43	201639	0.664 ppbv #	81
26) Hexane	5.78	57	271046	2.006 ppbv #	11
27) Carbon Disulfide	4.62	76	87264	0.509 ppbv #	81
29) Chloroform	5.86	83	68207	0.283 ppbv	92
30) Cyclohexane	7.25	84	23018	0.195 ppbv #	21
34) 2-Butanone	5.33	43	10003252	54.736 ppbv	95
36) Benzene	7.01	78	193451	0.689 ppbv	99
39) 1,2-Dichloropropane	7.30	63	826761	7.734 ppbv #	23
41) Tetrahydrofuran	6.17	42	15436	0.147 ppbv #	74
44) 2,2,4-Trimethylpentane	8.00	57	28837	0.062 ppbv #	16
51) 2-Hexanone	10.27	43	1159937	6.308 ppbv	99
53) Toluene	9.95	91	333520	1.139 ppbv	99
58) Ethyl Benzene	12.87	91	83352	0.197 ppbv	98
59) m/p-Xylene	13.13	91	62967	0.167 ppbv #	31
60) o-Xylene	13.86	91	110111	0.290 ppbv	100
61) Styrene	13.69	104	58788	0.238 ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	15047	0.051 ppbv #	27
64) n-propylbenzene	15.72	120	5345	0.040 ppbv #	1
72) 4-Ethyltoluene	16.01	105	22610	0.054 ppbv #	50
73) 1,3,5-Trimethylbenzene	16.16	105	30587	0.075 ppbv #	81
74) 1,2,4-Trimethylbenzene	16.50	105	38314	0.088 ppbv	91

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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MMSV-01

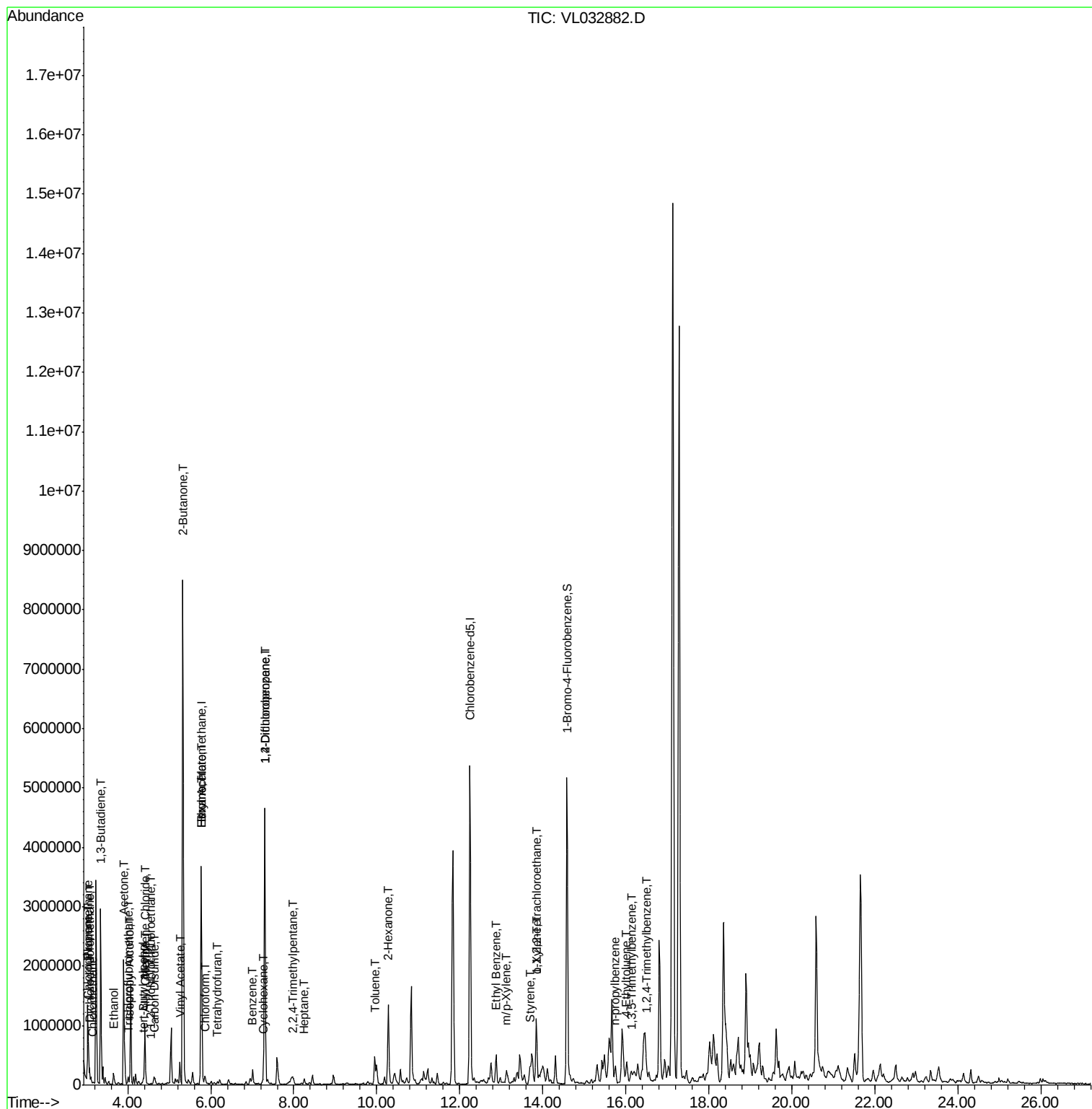
Quant Time: Dec 05 05:48:47 2018

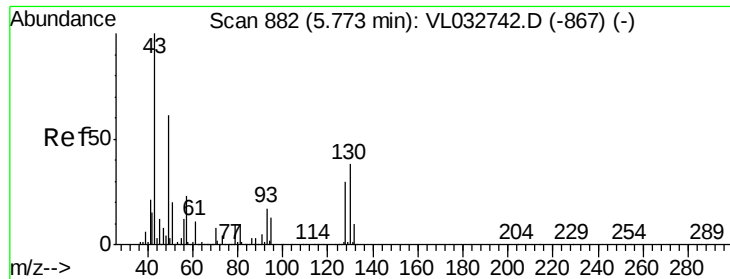
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL111418AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018

QLast Update : Wed Nov 14 07:00:23 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

MMSV-01

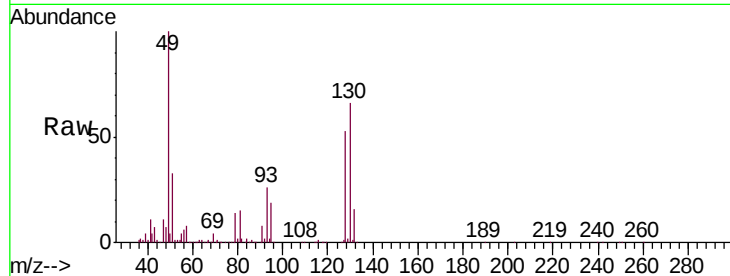
Tgt Ion: 49 Resp: 1425823

Ion Ratio Lower Upper

49 100

128 52.6 24.9 74.6

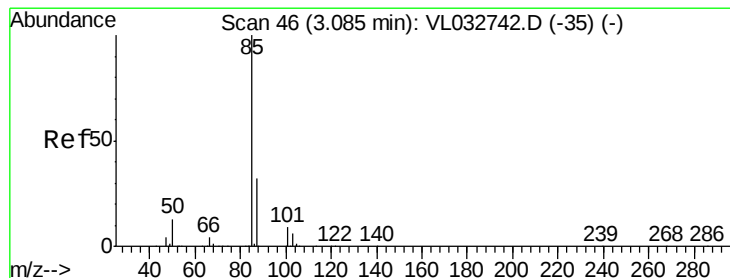
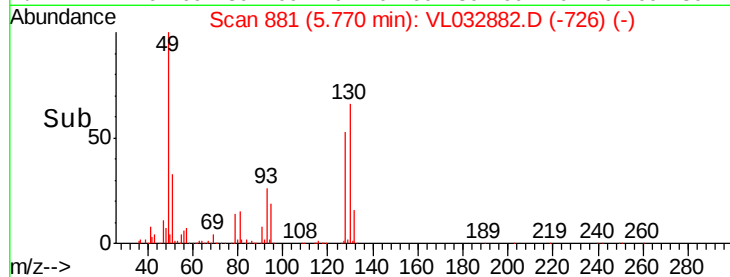
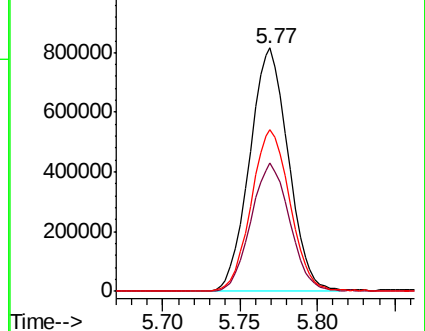
130 66.9 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.768 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.01 min

Lab File: VL032882.D

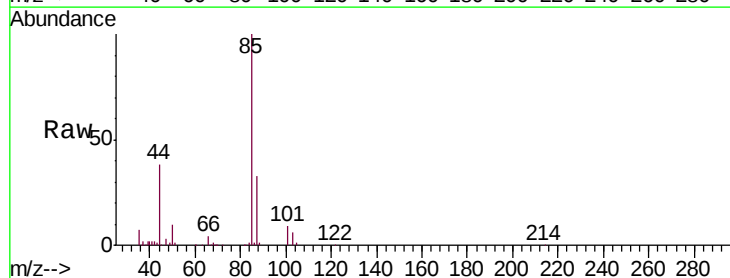
Acq: 4 Dec 2018 18:44

Tgt Ion: 85 Resp: 157343

Ion Ratio Lower Upper

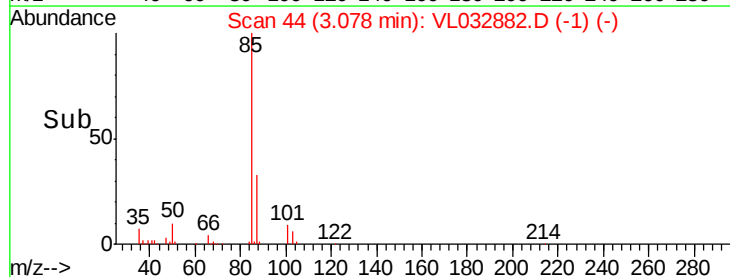
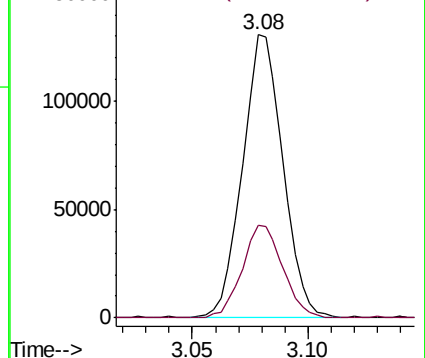
85 100

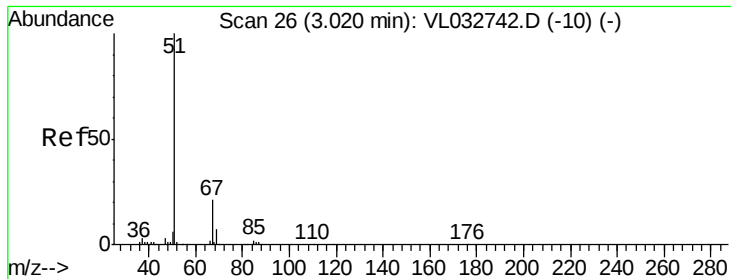
87 32.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.364 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

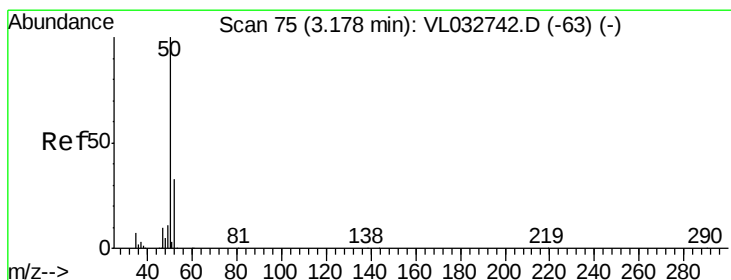
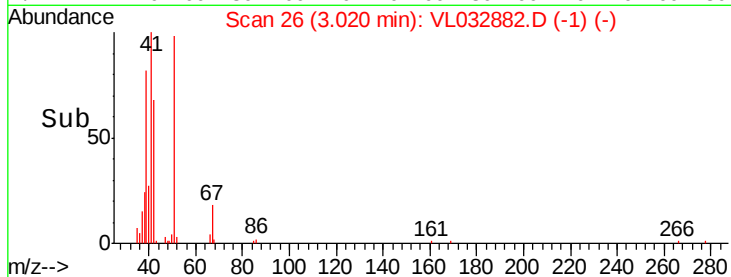
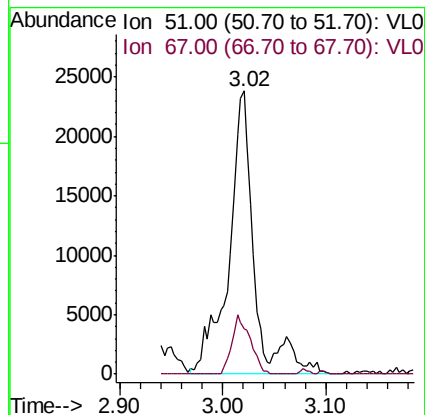
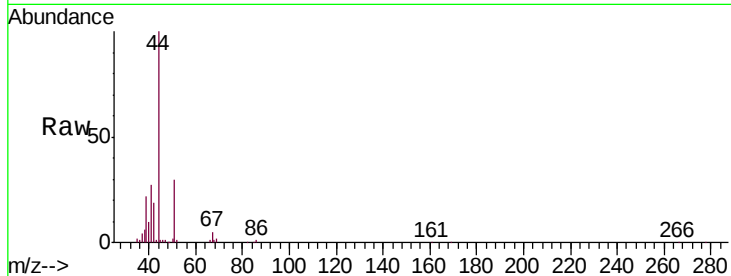
MMSV-01

Tgt Ion: 51 Resp: 41101

Ion Ratio Lower Upper

51 100

67 15.0 16.1 24.1#



#4

Chloromethane

Concen: 0.193 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL032882.D

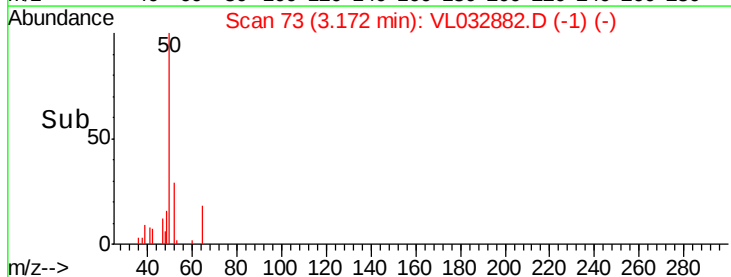
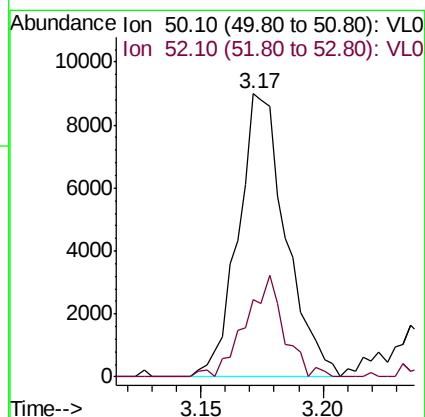
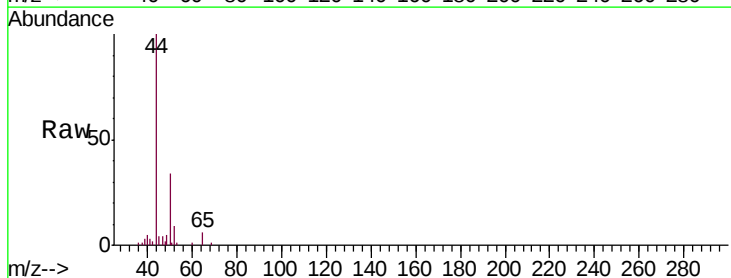
Acq: 4 Dec 2018 18:44

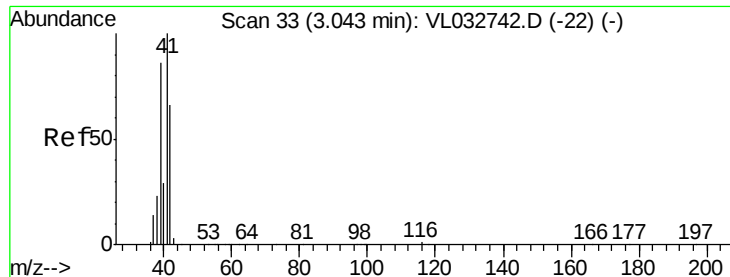
Tgt Ion: 50 Resp: 12125

Ion Ratio Lower Upper

50 100

52 27.3 26.6 40.0





#9

Propene

Concen: 11.765 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

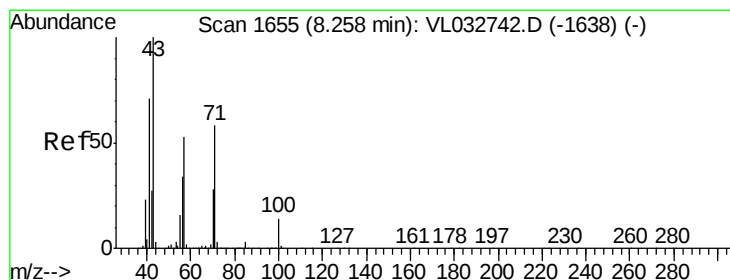
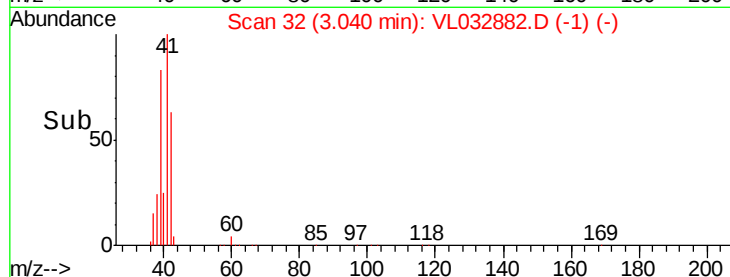
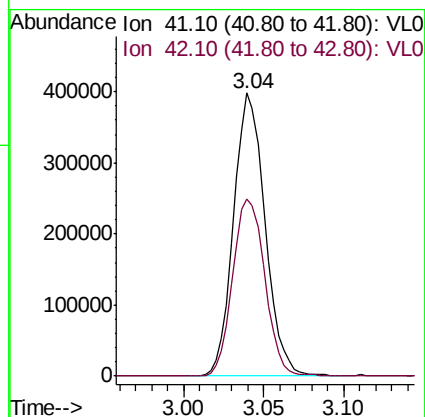
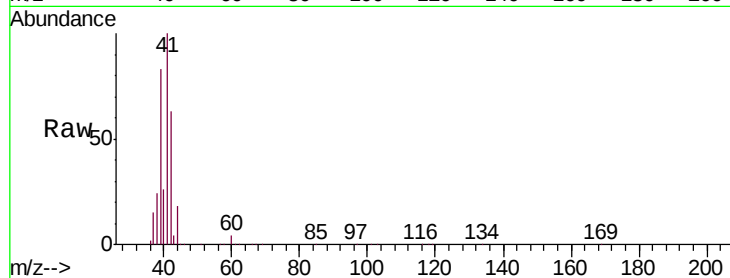
MMSV-01

Tgt Ion: 41 Resp: 532206

Ion Ratio Lower Upper

41 100

42 64.2 55.0 82.6



#10

Heptane

Concen: 0.081 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032882.D

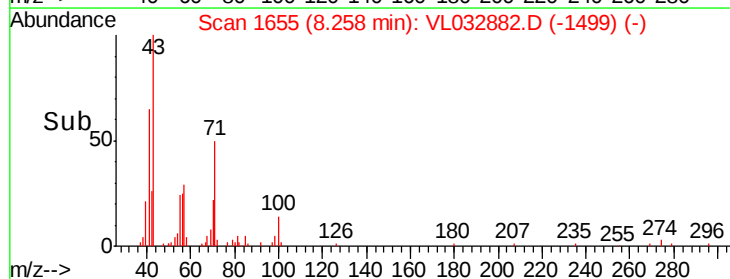
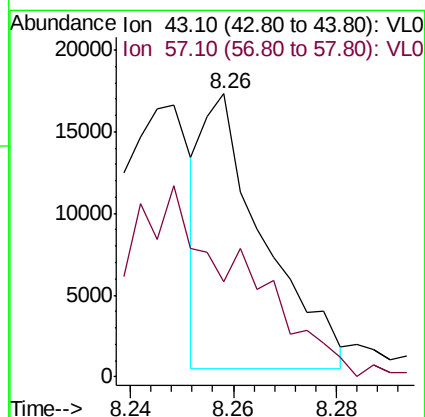
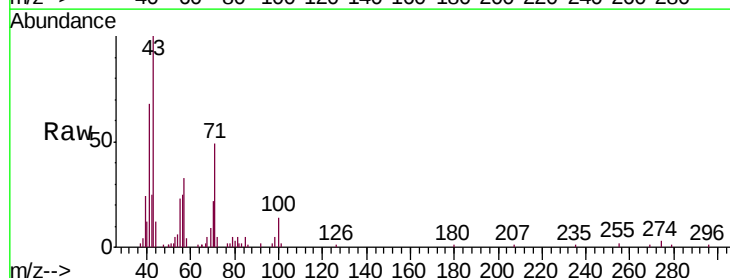
Acq: 4 Dec 2018 18:44

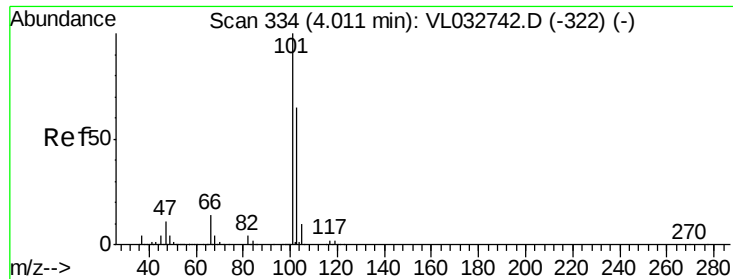
Tgt Ion: 43 Resp: 13962

Ion Ratio Lower Upper

43 100

57 0.0 41.8 62.8#

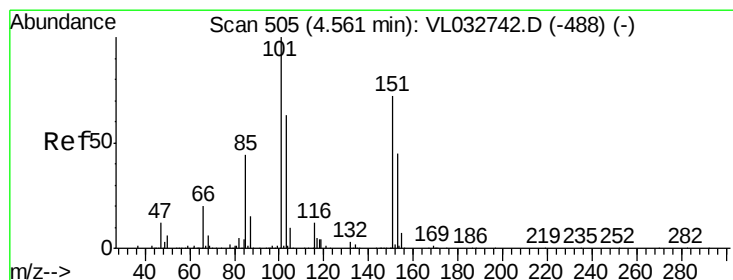
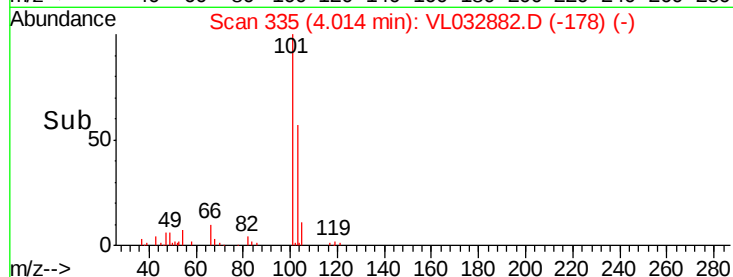
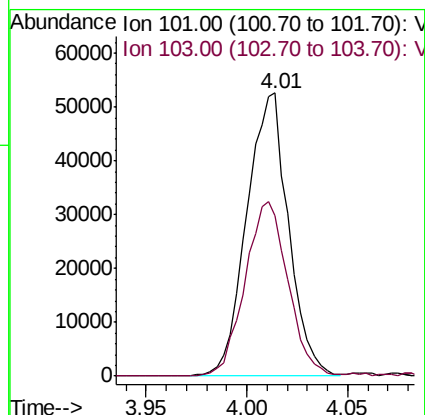
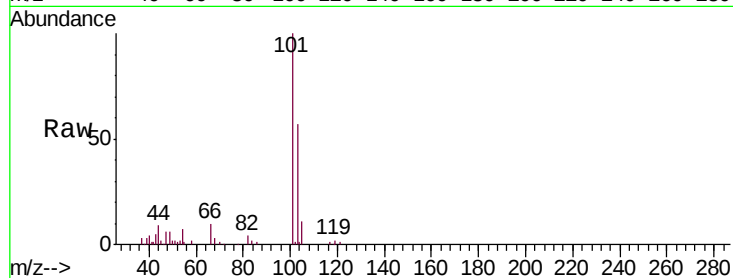




#11
 Trichlorofluoromethane
 Concen: 0.395 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VL032882.D
 Acq: 4 Dec 2018 18:44

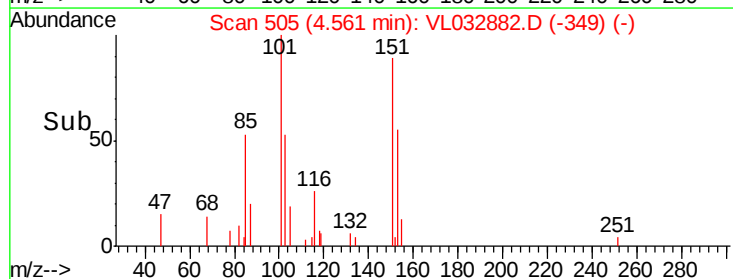
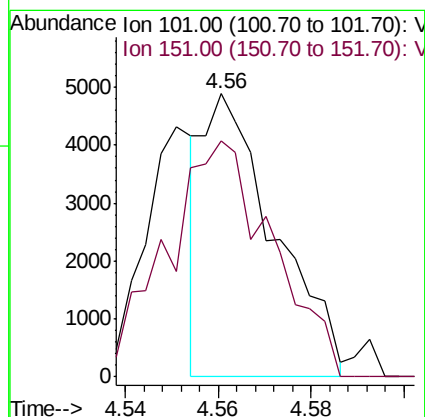
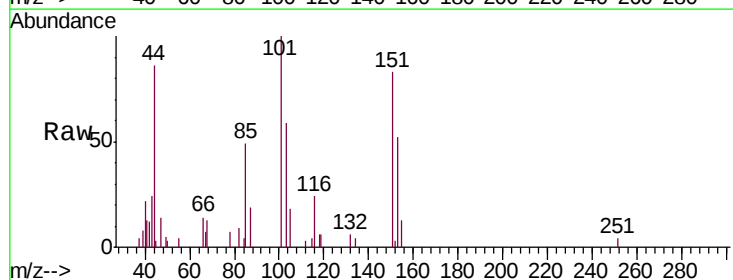
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-01

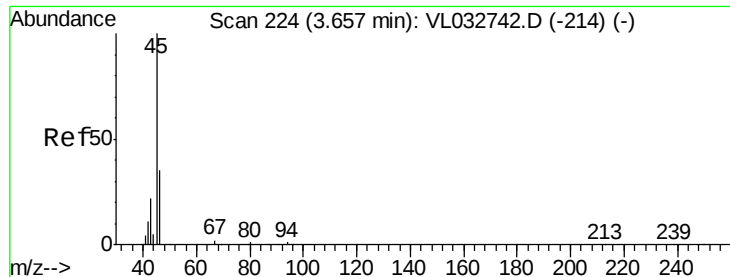
Tgt Ion:101 Resp: 76275
 Ion Ratio Lower Upper
 101 100
 103 56.8 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.033 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032882.D
 Acq: 4 Dec 2018 18:44

Tgt Ion:101 Resp: 5208
 Ion Ratio Lower Upper
 101 100
 151 123.7 56.7 85.1#





#13

Ethanol

Concen: 13.941 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

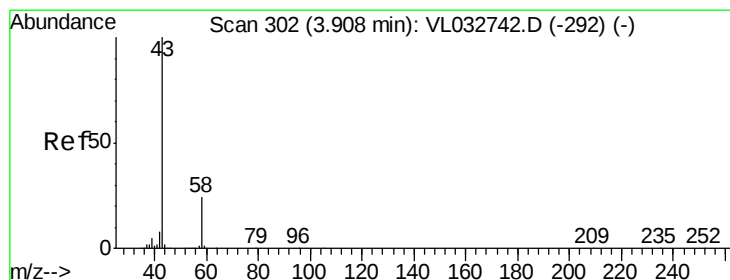
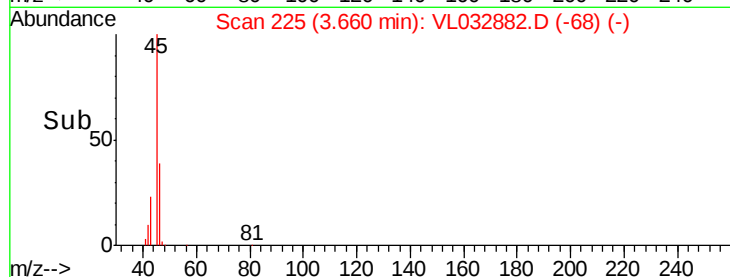
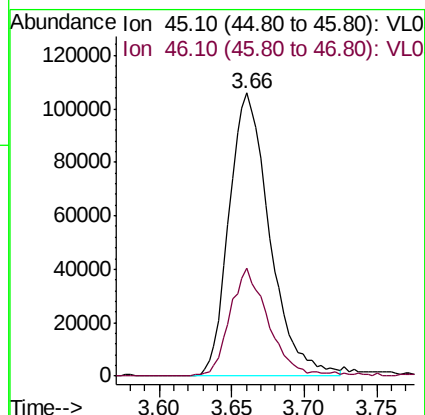
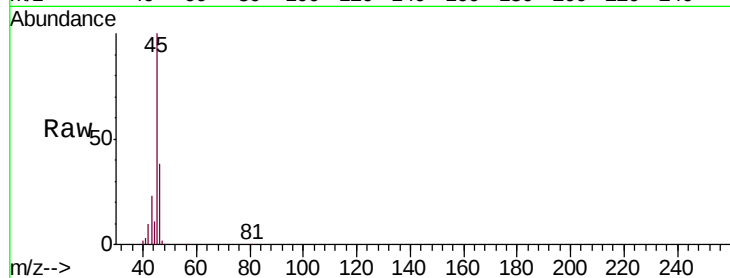
MMSV-01

Tgt Ion: 45 Resp: 206561

Ion Ratio Lower Upper

45 100

46 36.8 14.5 57.9



#15

Acetone

Concen: 15.453 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL032882.D

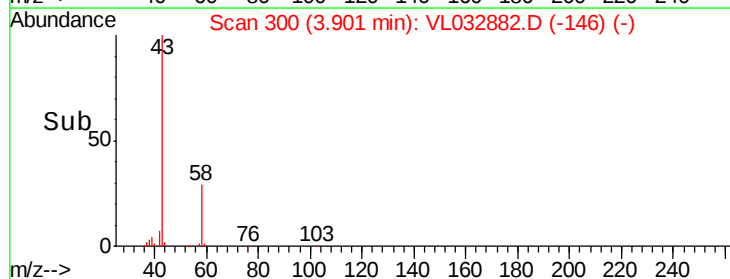
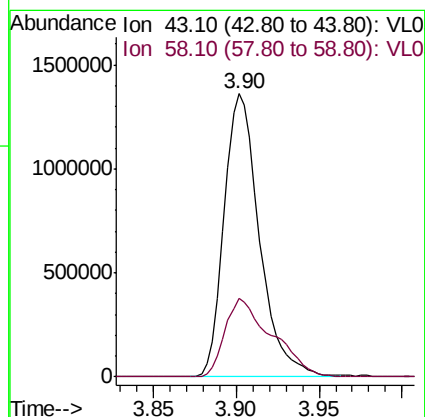
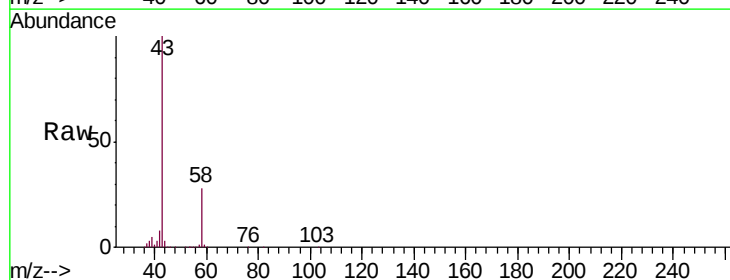
Acq: 4 Dec 2018 18:44

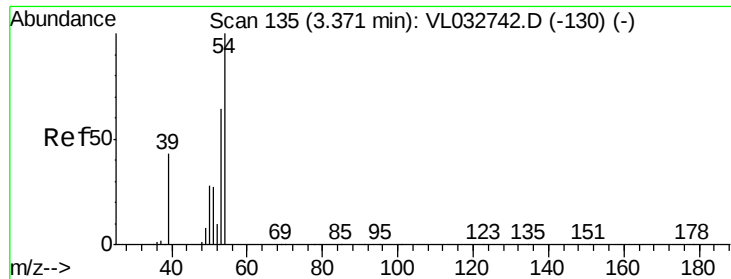
Tgt Ion: 43 Resp: 2012174

Ion Ratio Lower Upper

43 100

58 37.1 21.1 31.7#

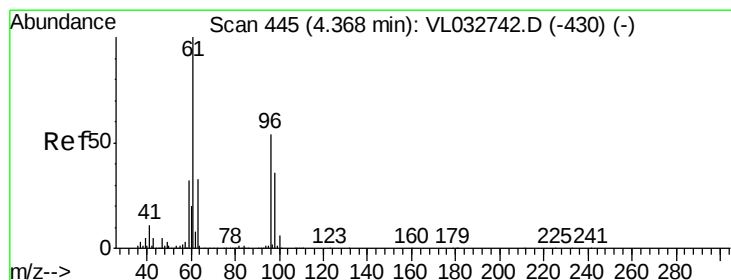
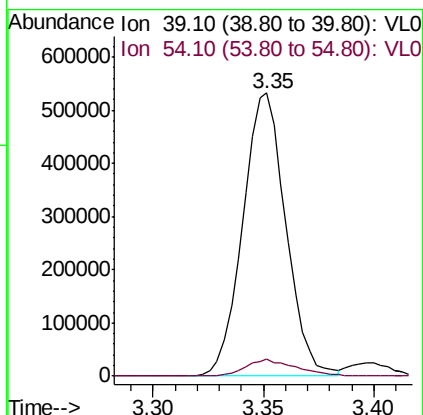
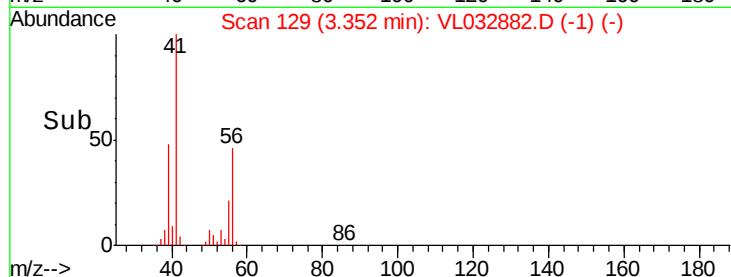
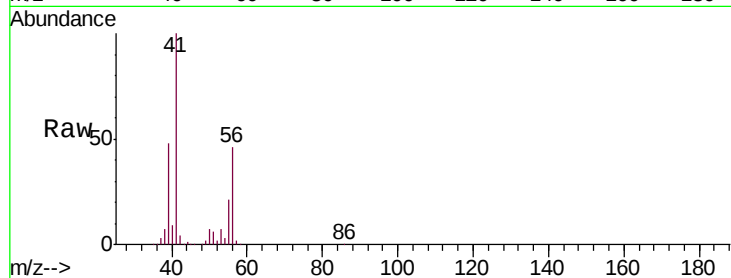




#16
1,3-Butadiene
Concen: 14.305 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.02 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

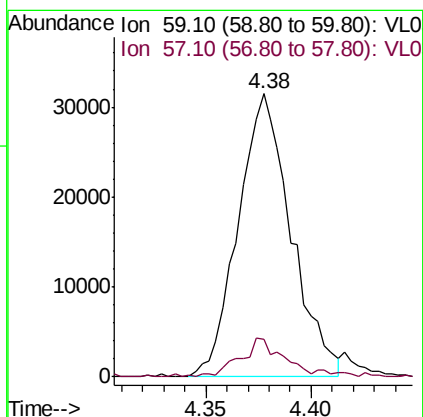
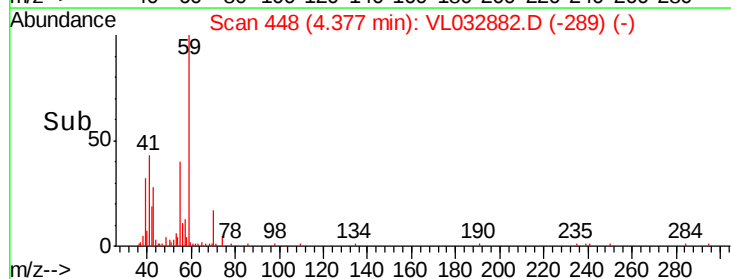
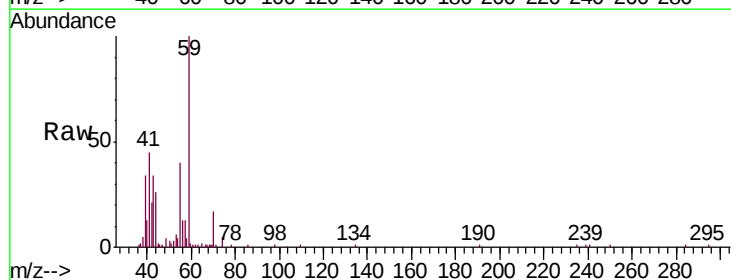
Instrument :
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MMSV-01

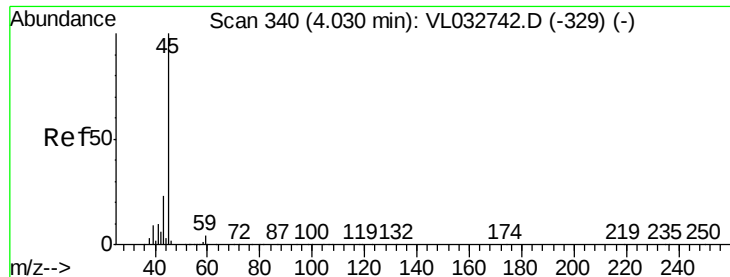
Tgt Ion: 39 Resp: 721336
Ion Ratio Lower Upper
39 100
54 7.0 68.9 103.3#



#17
tert-Butyl alcohol
Concen: 1.344 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

Tgt Ion: 59 Resp: 54882
Ion Ratio Lower Upper
59 100
57 12.3 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 0.141 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.01 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampled :

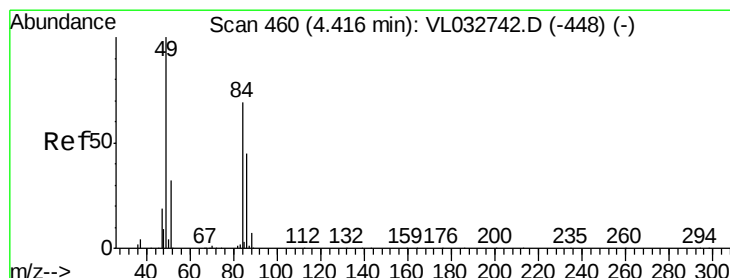
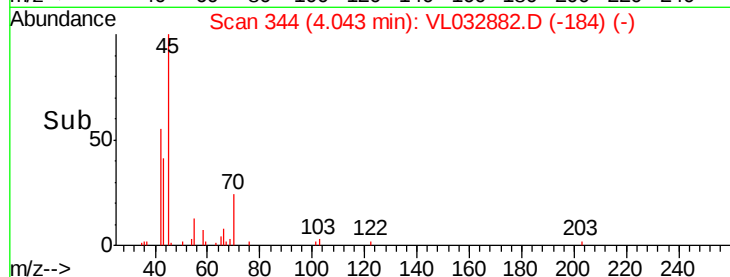
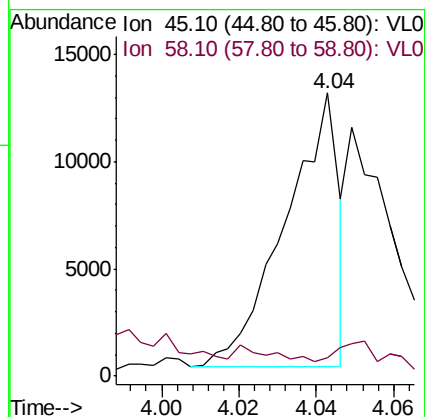
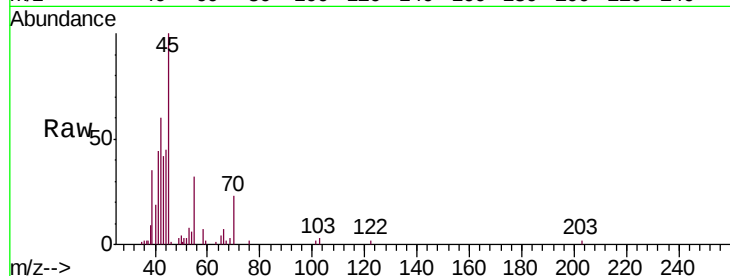
MMSV-01

Tgt Ion: 45 Resp: 12261

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



#20

Methylene Chloride

Concen: 4.666 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Tgt Ion: 84 Resp: 314553

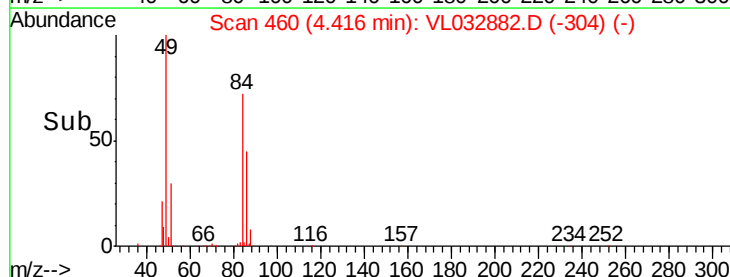
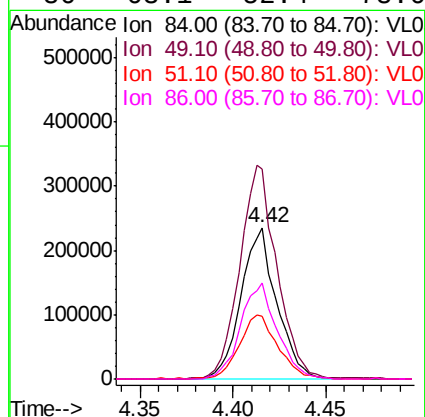
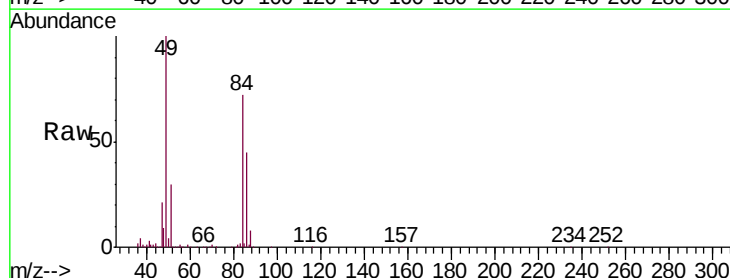
Ion Ratio Lower Upper

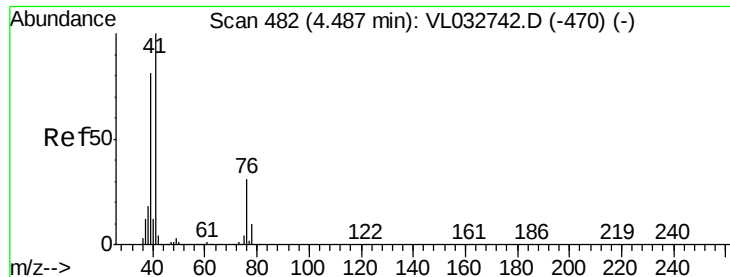
84 100

49 138.4 115.8 173.6

51 41.0 36.9 55.3

86 63.1 52.4 78.6





#21

Allyl Chloride

Concen: 0.046 ppbv

RT: 4.44 min Scan# 466

Delta R.T. -0.05 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

MMSV-01

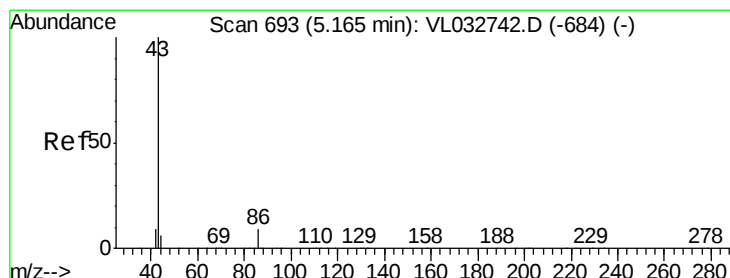
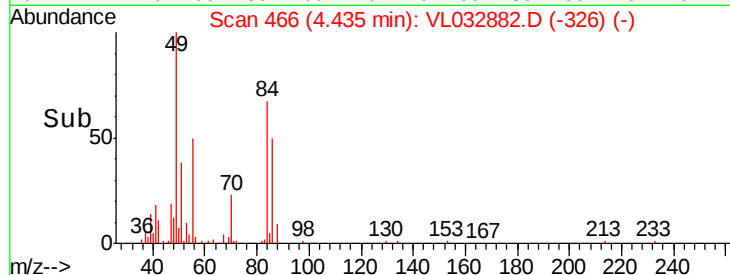
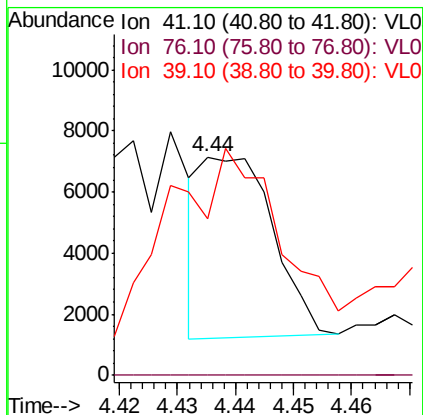
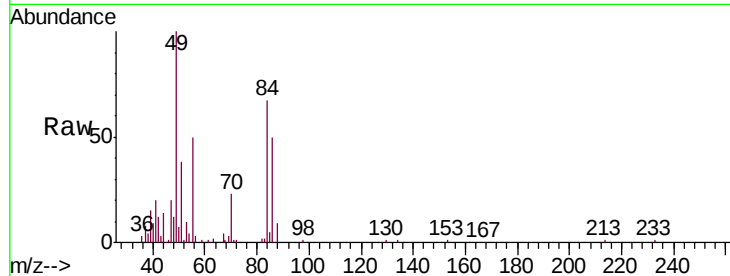
Tgt Ion: 41 Resp: 5048

Ion Ratio Lower Upper

41 100

76 0.0 24.4 36.6#

39 280.4 63.5 95.3#



#23

Vinyl Acetate

Concen: 0.445 ppbv

RT: 5.26 min Scan# 721

Delta R.T. 0.09 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Tgt Ion: 43 Resp: 105568

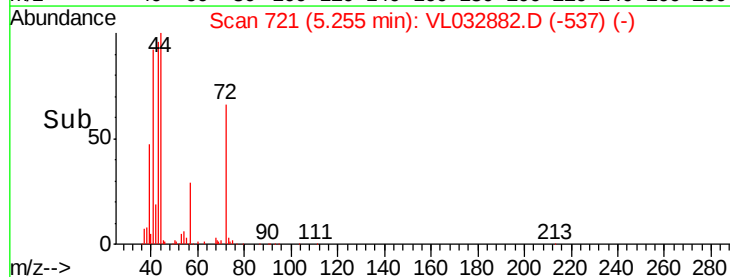
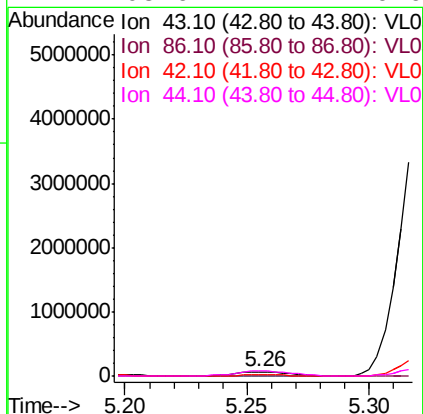
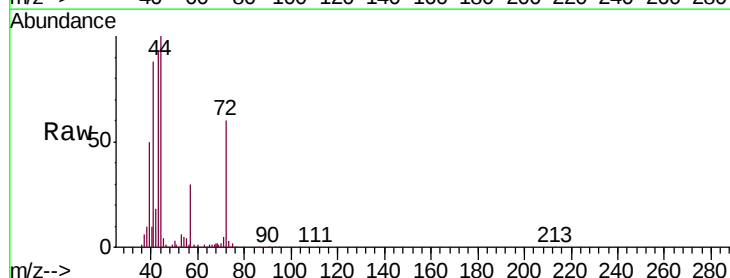
Ion Ratio Lower Upper

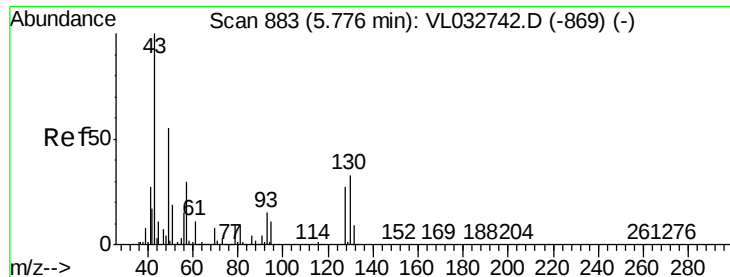
43 100

86 0.5 6.2 9.4#

42 19.2 7.8 11.6#

44 105.6 4.4 6.6#

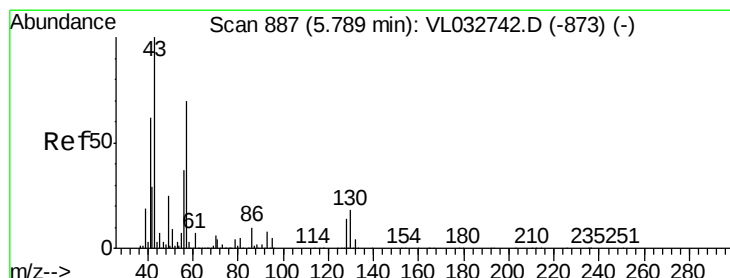
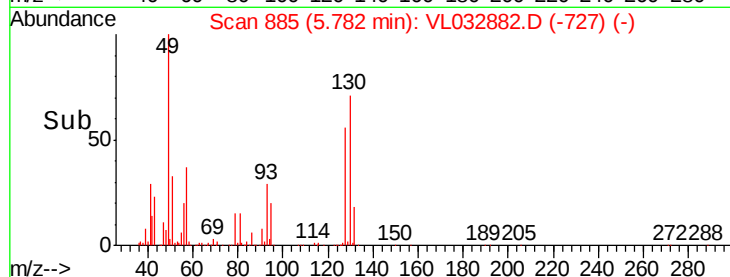
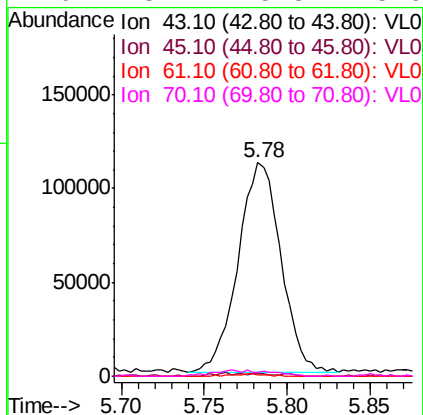
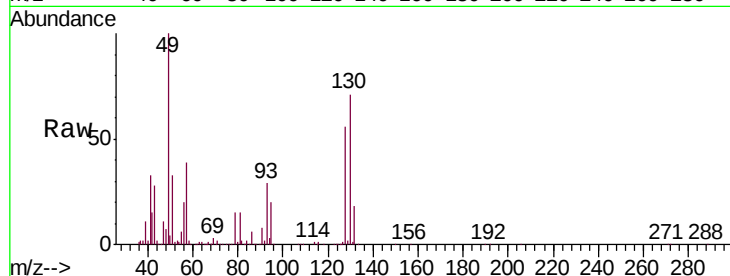




#25
Ethyl Acetate
Concen: 0.664 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

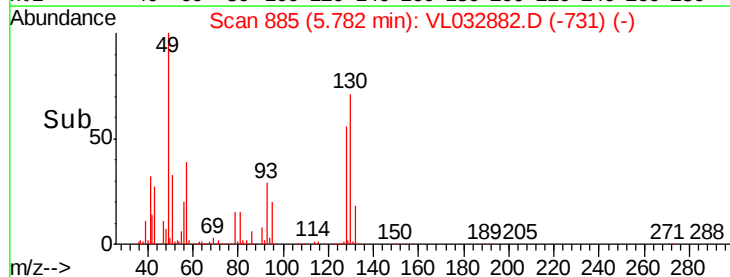
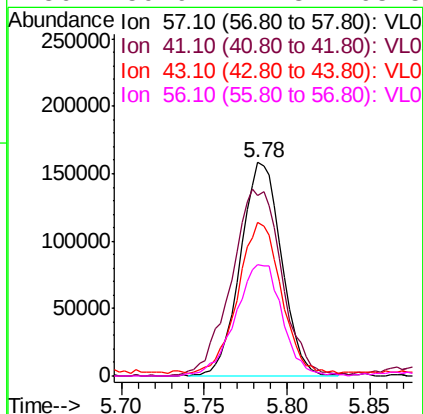
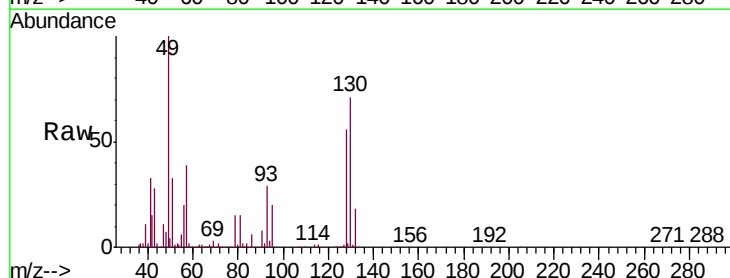
Instrument :
MSVOA_L
ClientSampleId :
MMSV-01

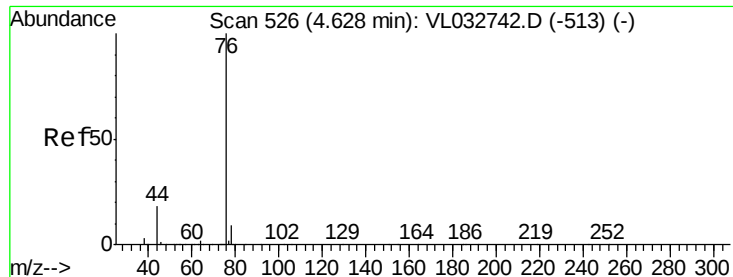
Tgt Ion:	43	Resp:	201639
Ion	Ratio	Lower	Upper
43	100		
45	2.2	7.9	11.9#
61	1.1	7.8	11.6#
70	3.7	5.8	8.6#



#26
Hexane
Concen: 2.006 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

Tgt Ion:	57	Resp:	271046
Ion	Ratio	Lower	Upper
57	100		
41	108.1	70.3	105.5#
43	0.0	174.0	261.0#
56	59.9	42.3	63.5





#27

Carbon Disulfide

Concen: 0.509 ppbv

RT: 4.62 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

MMSV-01

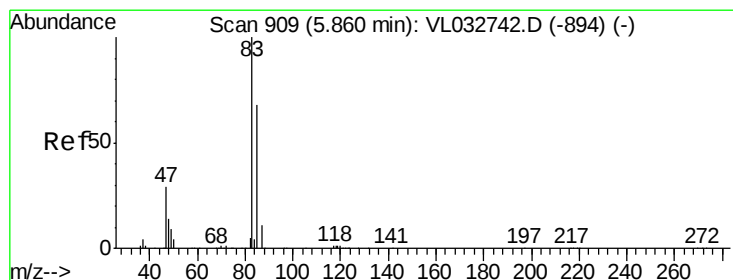
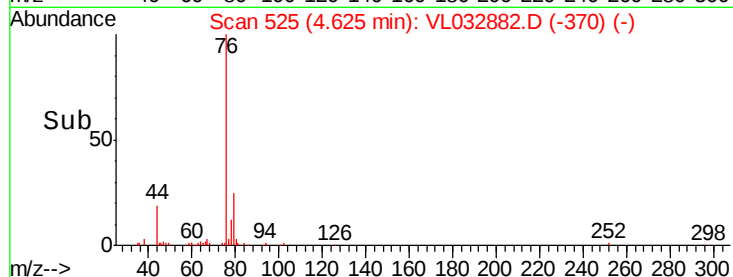
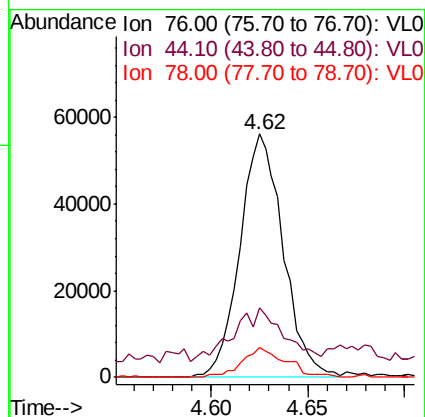
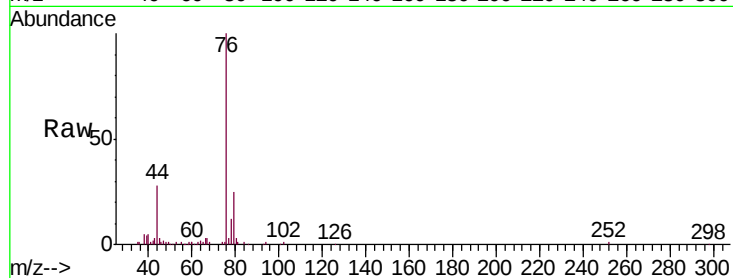
Tgt Ion: 76 Resp: 87264

Ion Ratio Lower Upper

76 100

44 29.1 14.4 21.6#

78 12.8 7.7 11.5#



#29

Chloroform

Concen: 0.283 ppbv

RT: 5.86 min Scan# 908

Delta R.T. -0.00 min

Lab File: VL032882.D

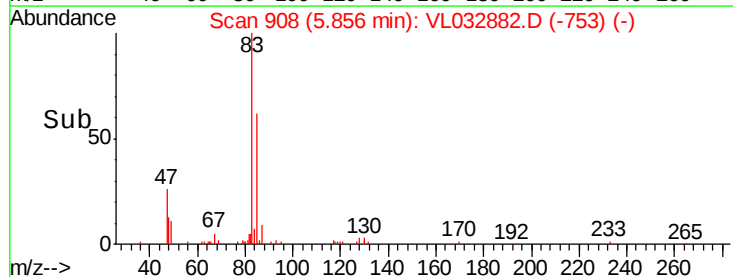
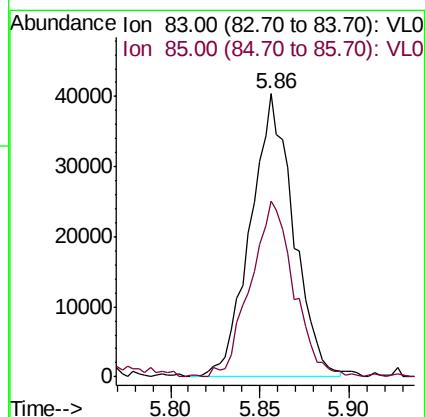
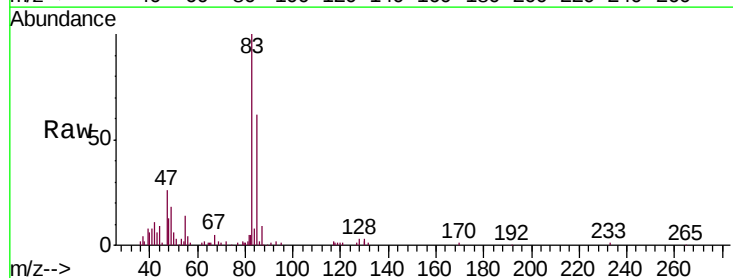
Acq: 4 Dec 2018 18:44

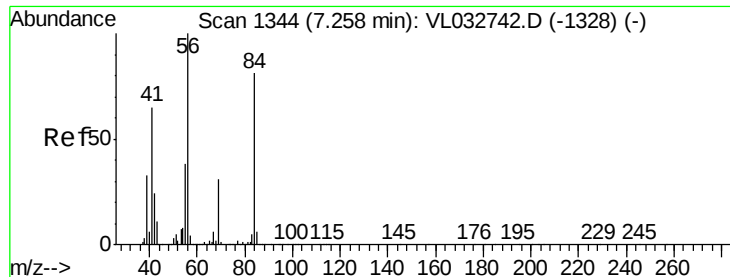
Tgt Ion: 83 Resp: 68207

Ion Ratio Lower Upper

83 100

85 61.6 54.2 81.4

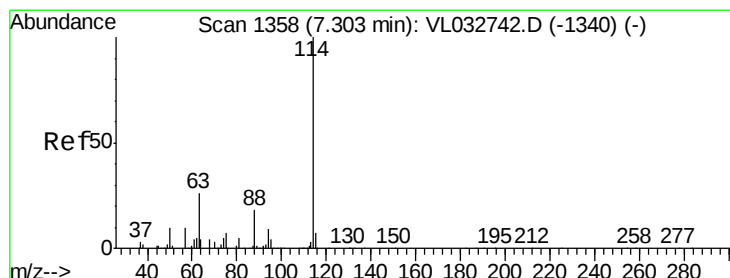
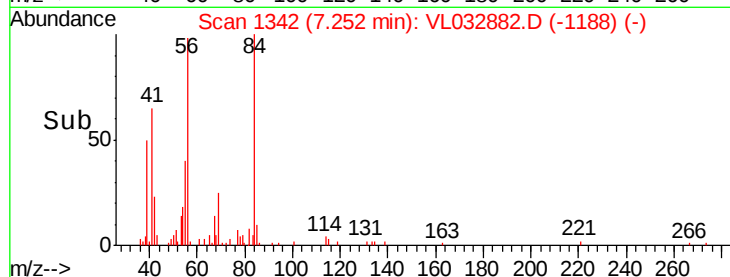
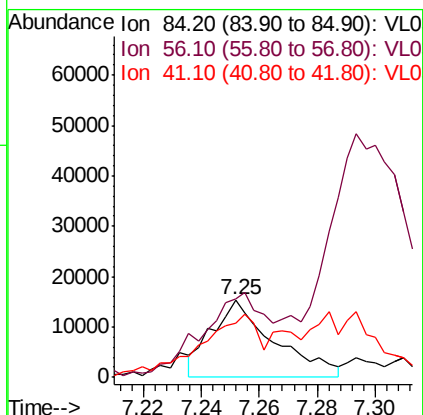
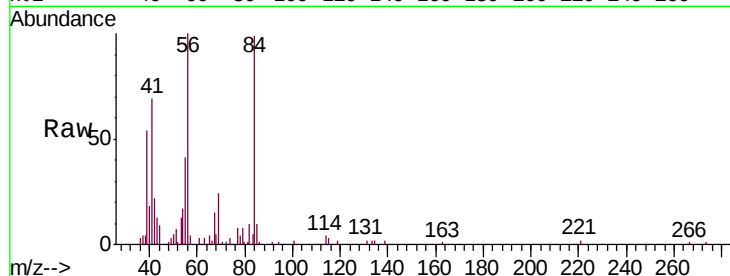




#30
Cyclohexane
Concen: 0.195 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

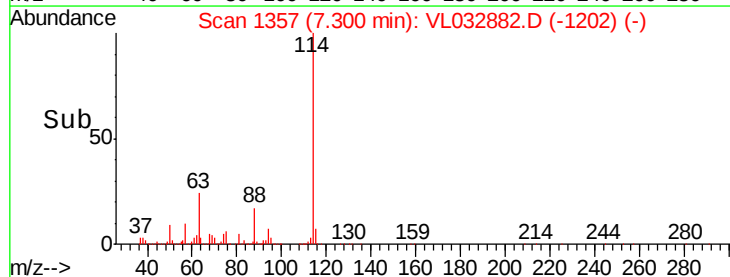
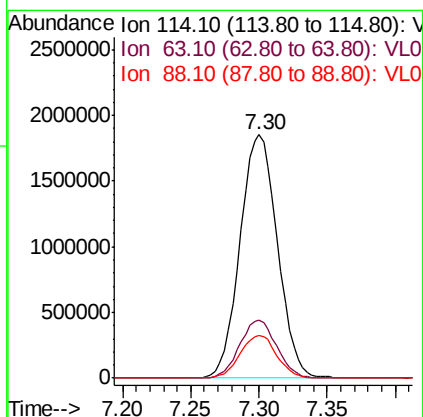
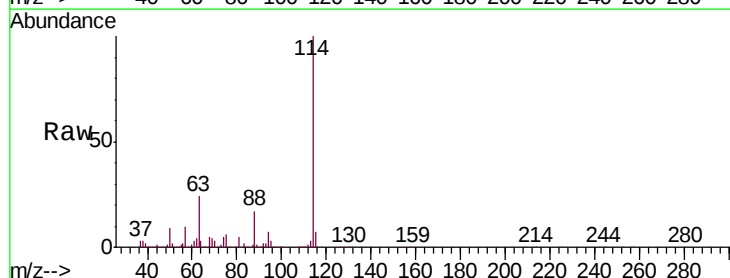
Instrument :
MSVOA_L
ClientSampleId :
MMSV-01

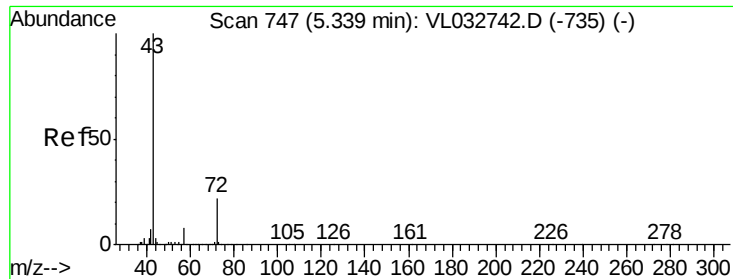
Tgt Ion: 84 Resp: 23018
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.4#
41 103.9 65.3 97.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

Tgt Ion: 114 Resp: 3523547
Ion Ratio Lower Upper
114 100
63 23.6 20.9 31.3
88 17.4 14.4 21.6

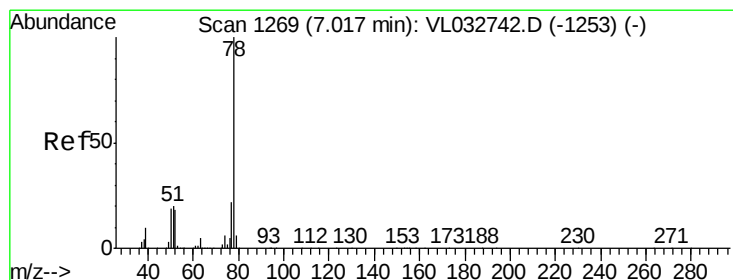
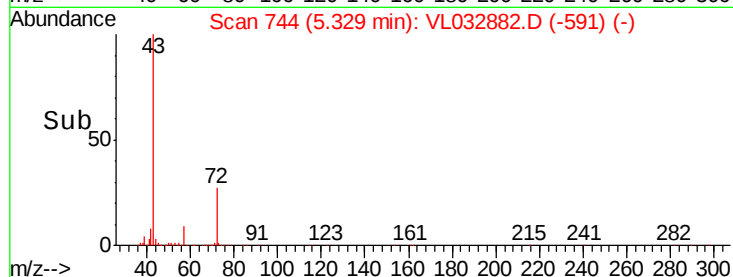
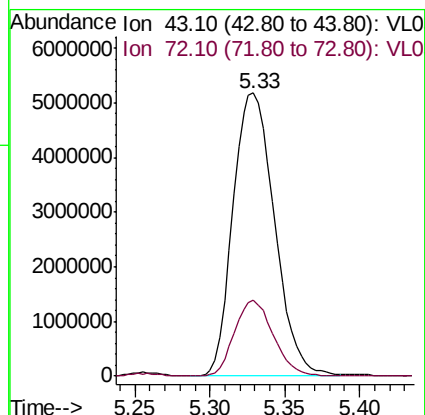
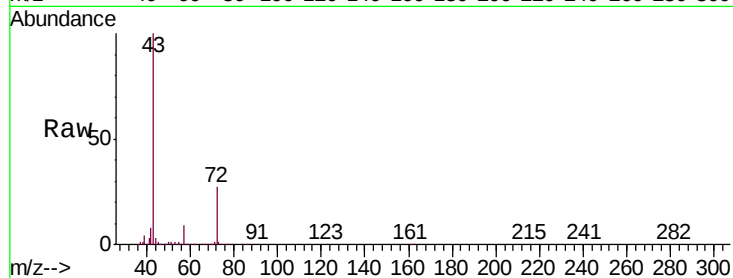




#34
2-Butanone
Concen: 54.736 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.01 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

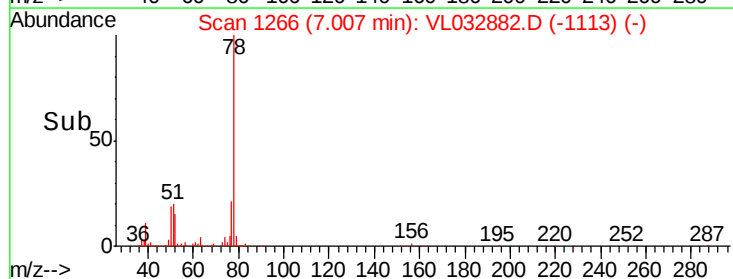
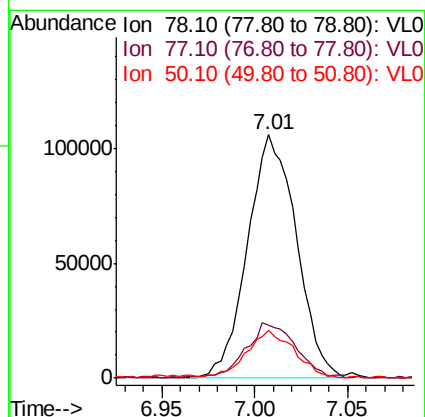
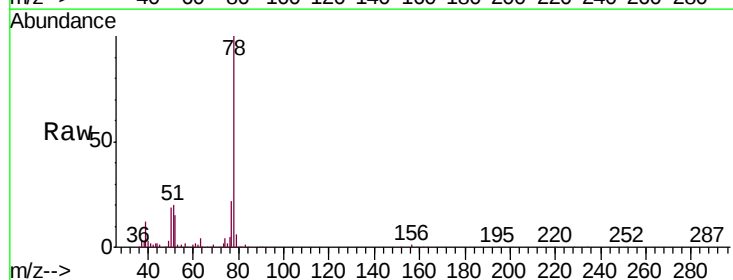
Instrument :
MSVOA_L
ClientSampleId :
MMSV-01

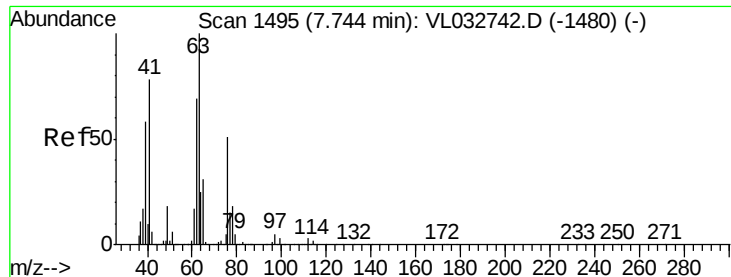
Tgt Ion: 43 Resp:10003252
Ion Ratio Lower Upper
43 100
72 25.3 18.4 27.6



#36
Benzene
Concen: 0.689 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

Tgt Ion: 78 Resp: 193451
Ion Ratio Lower Upper
78 100
77 21.5 17.8 26.8
50 19.2 15.4 23.0





#39

1,2-Dichloropropane

Concen: 7.734 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

MMSV-01

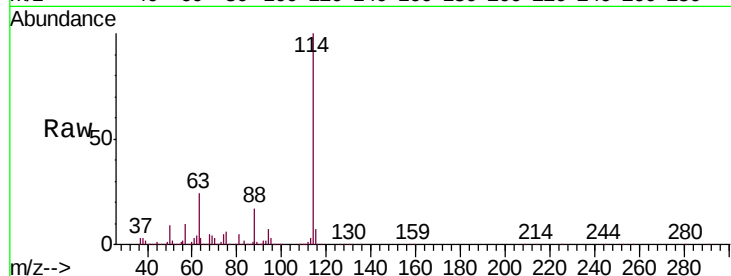
Tgt Ion: 63 Resp: 826761

Ion Ratio Lower Upper

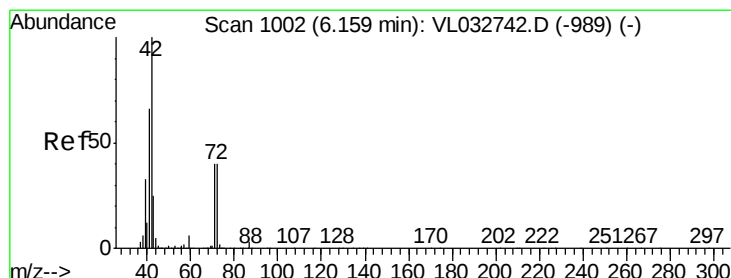
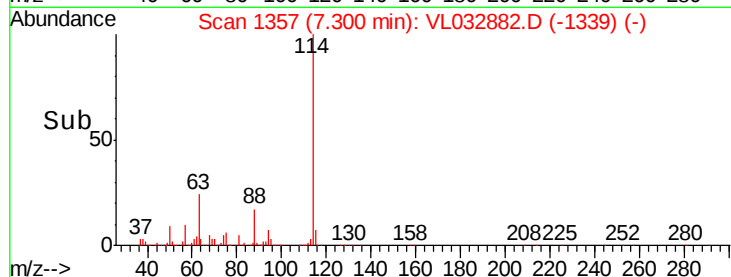
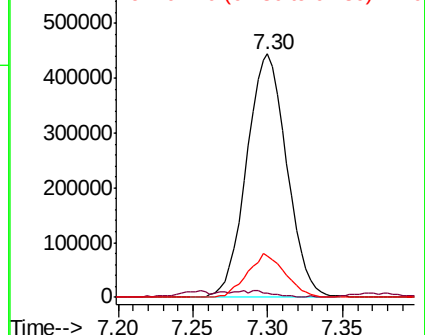
63 100

41 1.2 62.0 93.0#

62 16.7 55.4 83.2#



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: 0.147 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

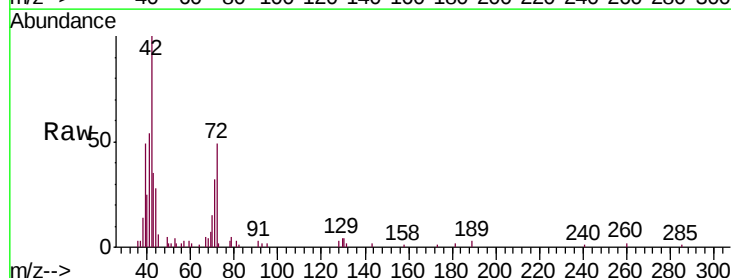
Tgt Ion: 42 Resp: 15436

Ion Ratio Lower Upper

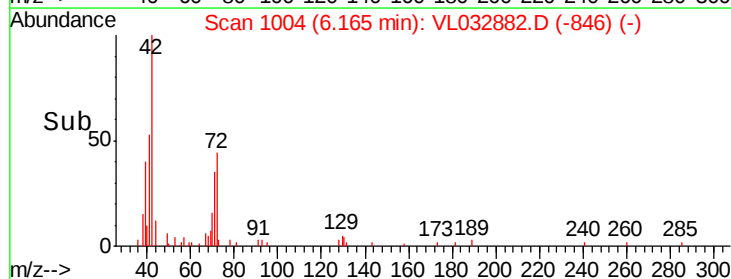
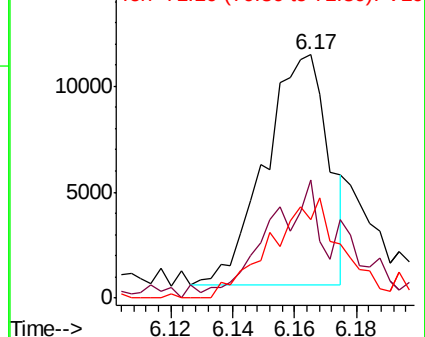
42 100

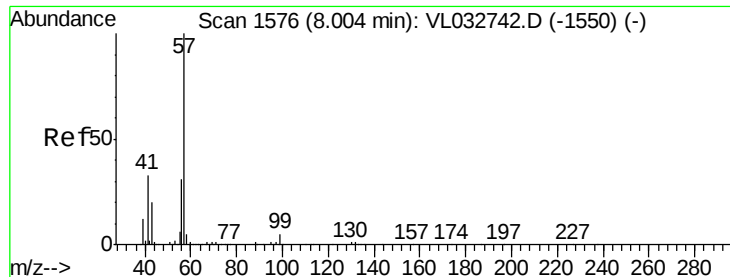
72 60.1 32.4 48.6#

71 51.5 31.6 47.4#



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: 0.062 ppbv

RT: 8.00 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

MMSV-01

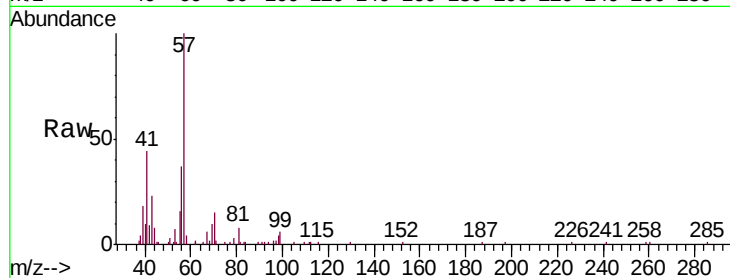
Tgt Ion: 57 Resp: 28837

Ion Ratio Lower Upper

57 100

41 0.0 26.6 39.8#

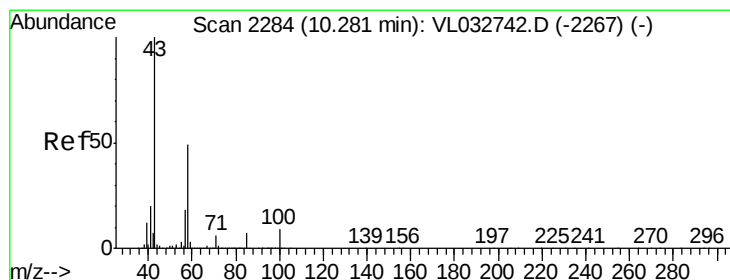
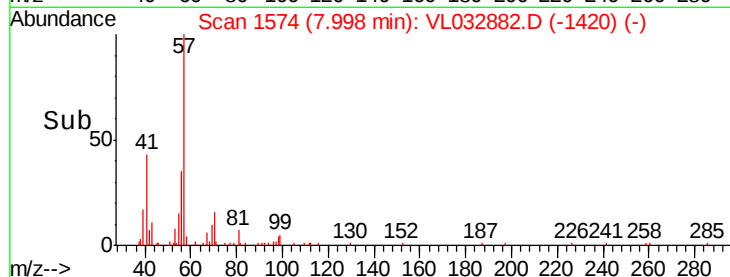
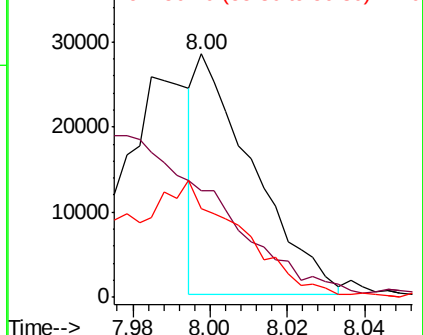
56 92.1 24.8 37.2#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#51

2-Hexanone

Concen: 6.308 ppbv

RT: 10.27 min Scan# 2282

Delta R.T. -0.01 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

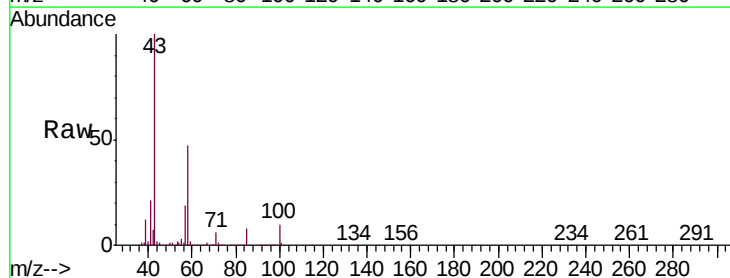
Tgt Ion: 43 Resp: 1159937

Ion Ratio Lower Upper

43 100

58 49.0 38.9 58.3

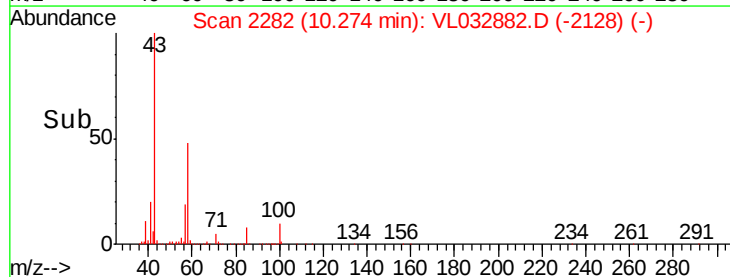
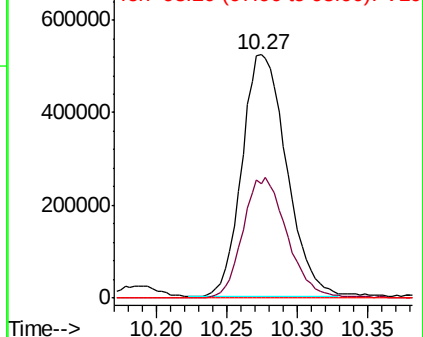
98 0.3 0.2 0.4

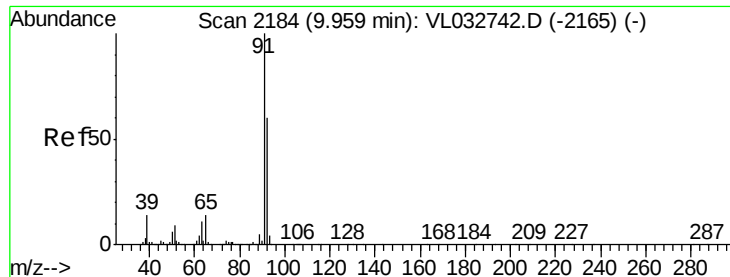


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#53

Toluene

Concen: 1.139 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

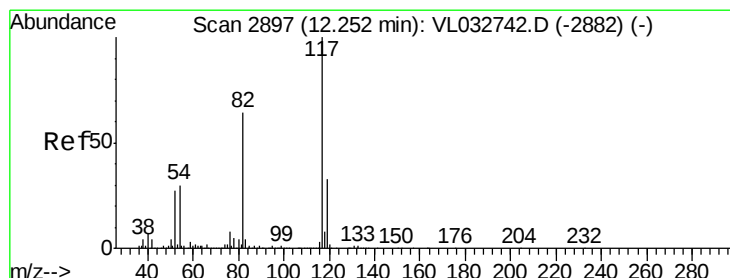
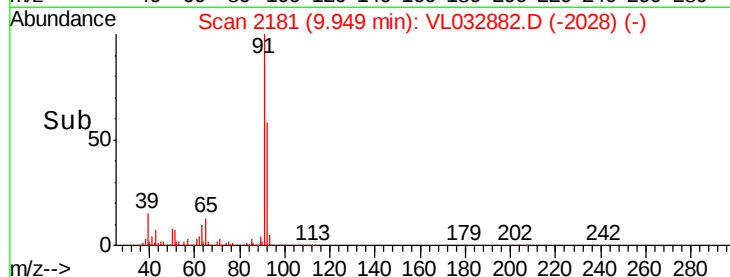
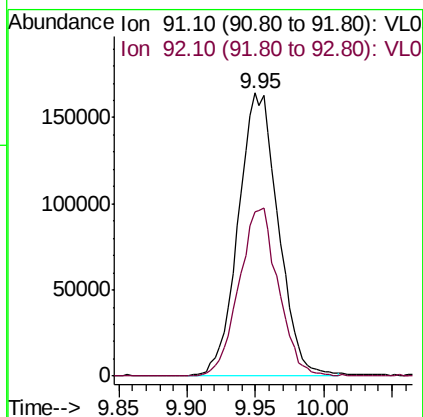
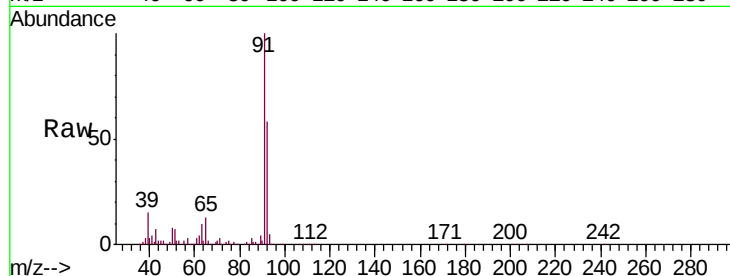
MMSV-01

Tgt Ion: 91 Resp: 333520

Ion Ratio Lower Upper

91 100

92 59.0 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

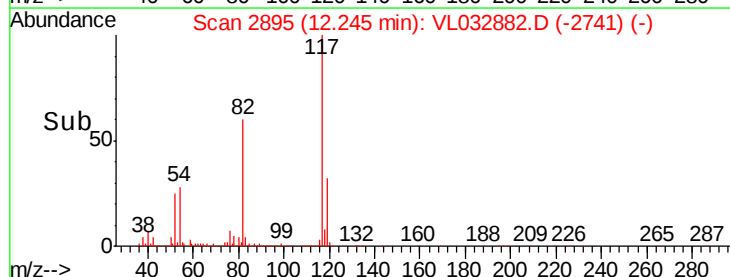
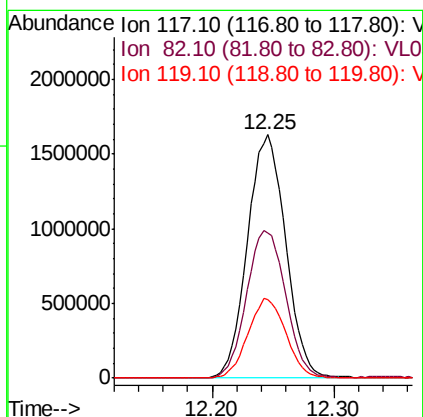
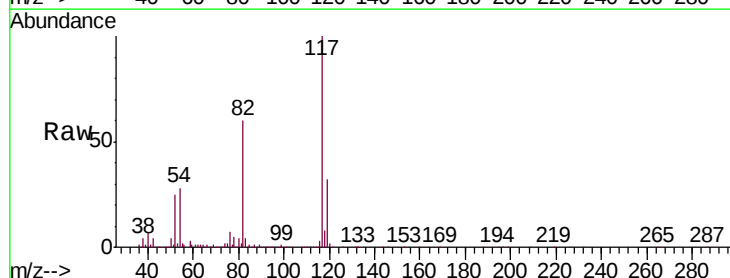
Tgt Ion: 117 Resp: 3523731

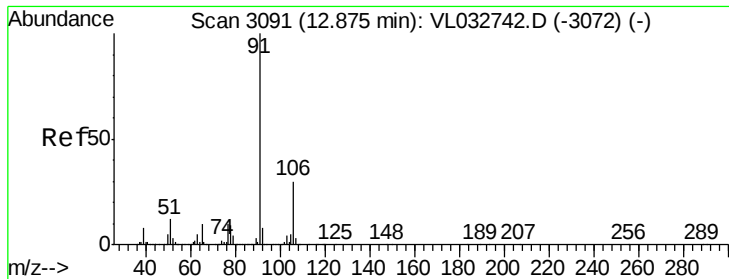
Ion Ratio Lower Upper

117 100

82 62.2 51.0 76.6

119 32.5 28.0 42.0





#58

Ethyl Benzene

Concen: 0.197 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

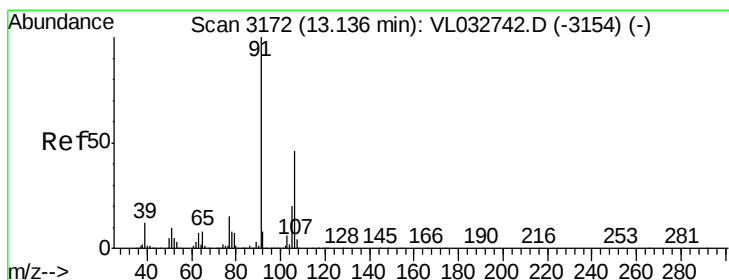
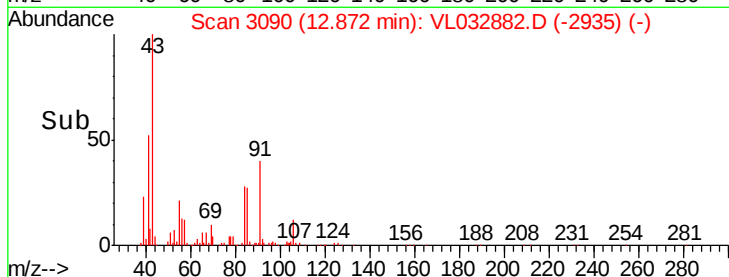
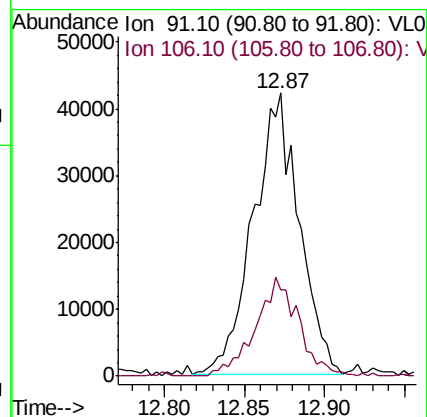
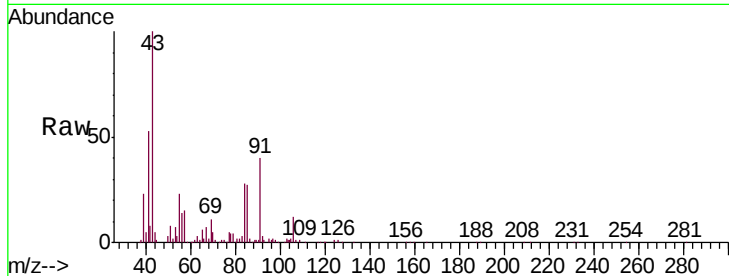
MMSV-01

Tgt Ion: 91 Resp: 83352

Ion Ratio Lower Upper

91 100

106 30.5 23.6 35.4



#59

m/p-Xylene

Concen: 0.167 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VL032882.D

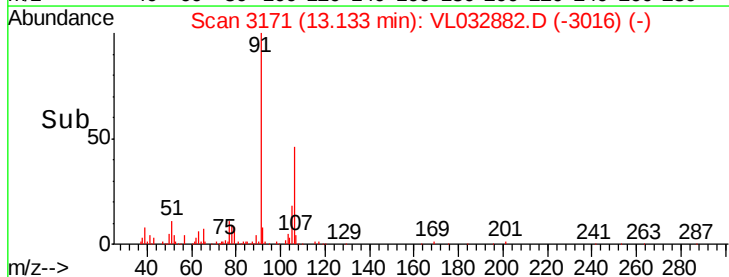
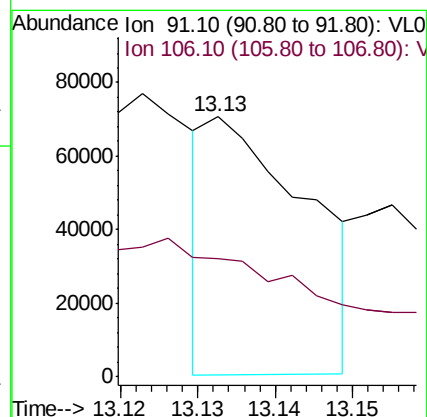
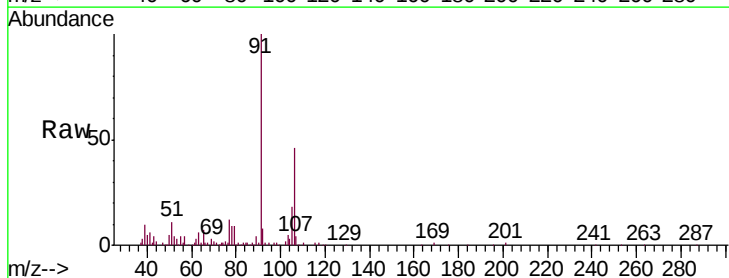
Acq: 4 Dec 2018 18:44

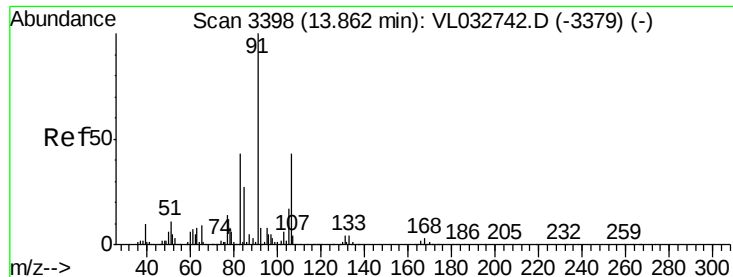
Tgt Ion: 91 Resp: 62967

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#

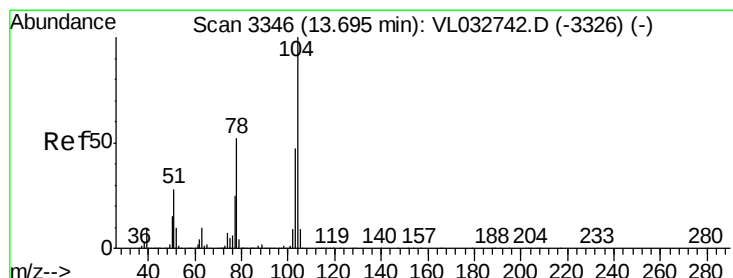
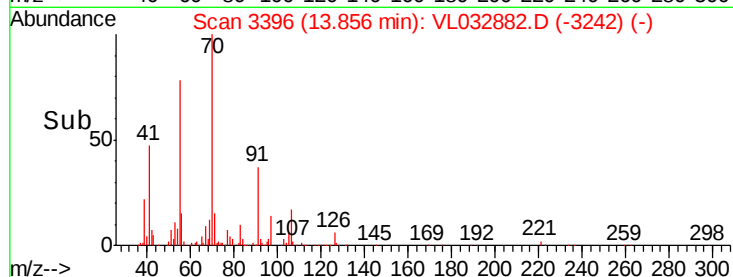
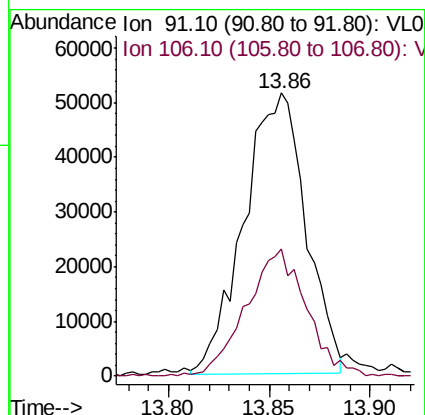
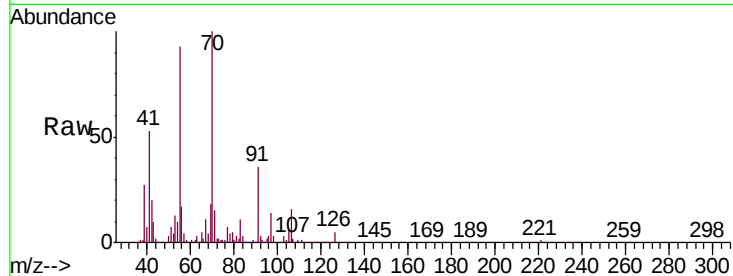




#60
o-Xylene
Concen: 0.290 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

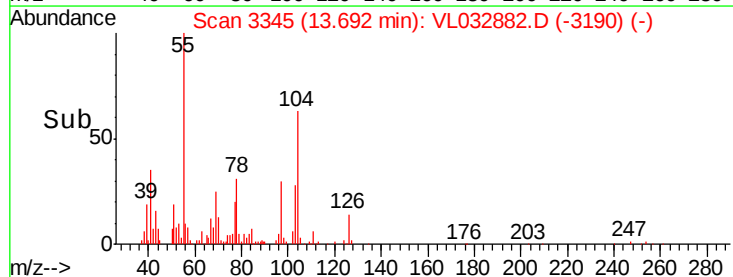
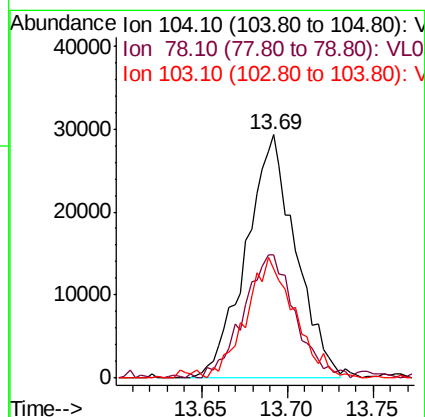
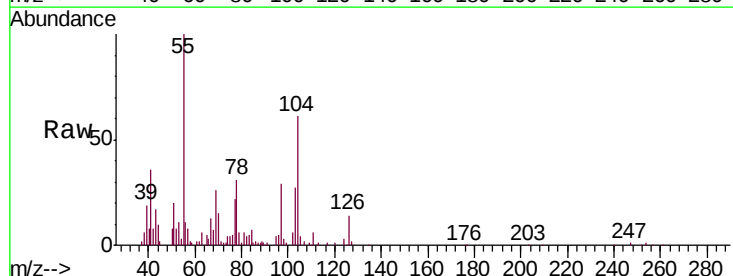
Instrument :
MSVOA_L
ClientSampleId :
MMSV-01

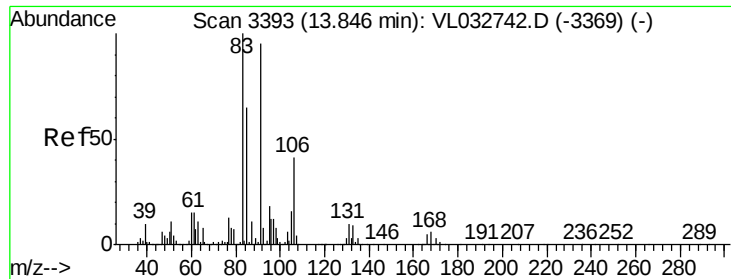
Tgt Ion: 91 Resp: 110111
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.7



#61
Styrene
Concen: 0.238 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032882.D
Acq: 4 Dec 2018 18:44

Tgt Ion: 104 Resp: 58788
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.4
103 49.5 38.2 57.2

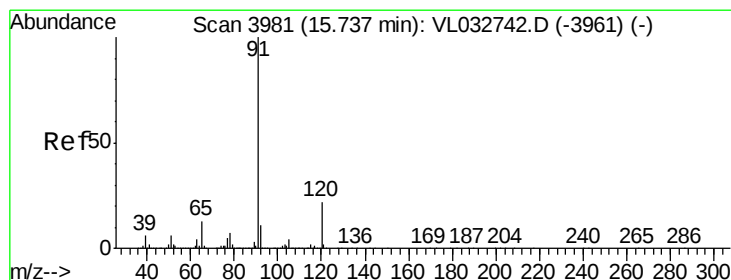
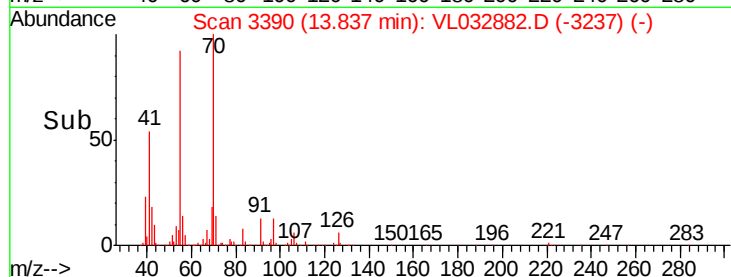
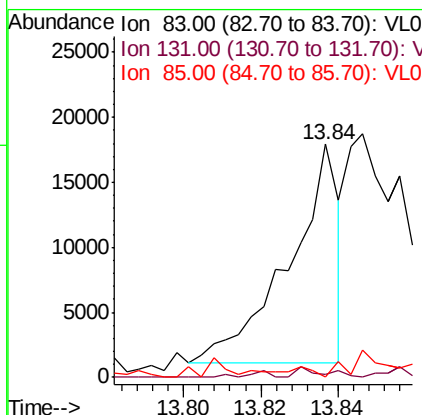
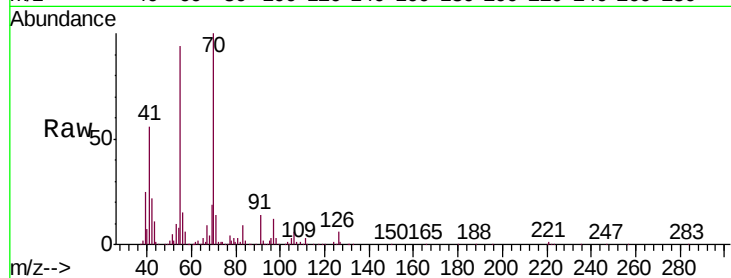




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.051 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL032882.D
 Acq: 4 Dec 2018 18:44

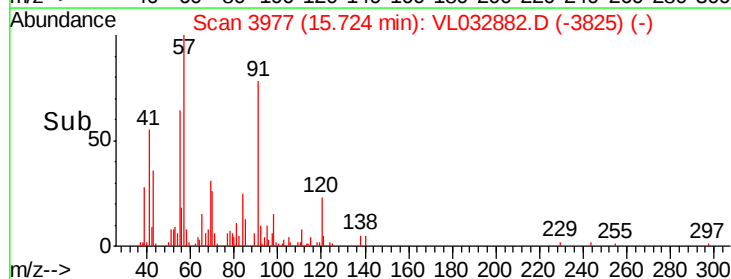
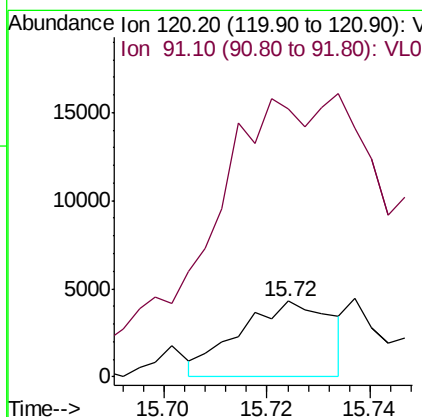
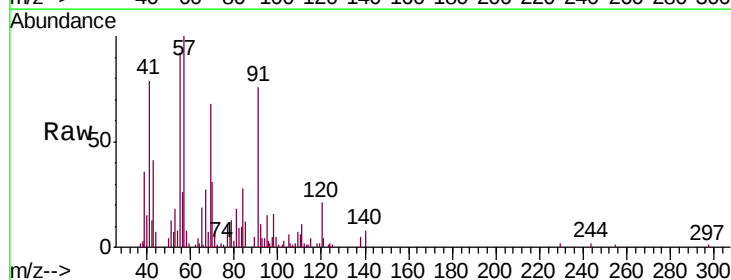
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-01

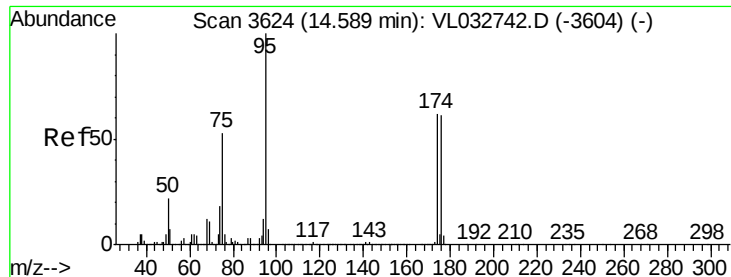
Tgt Ion: 83 Resp: 15047
 Ion Ratio Lower Upper
 83 100
 131 6.1 4.7 14.1
 85 0.0 32.5 97.4#



#64
 n-propylbenzene
 Concen: 0.040 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.01 min
 Lab File: VL032882.D
 Acq: 4 Dec 2018 18:44

Tgt Ion: 120 Resp: 5345
 Ion Ratio Lower Upper
 120 100
 91 0.0 381.7 572.5#

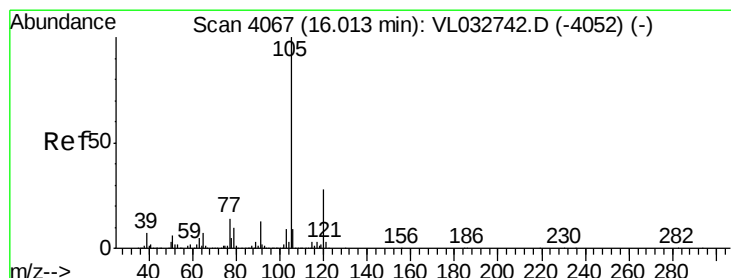
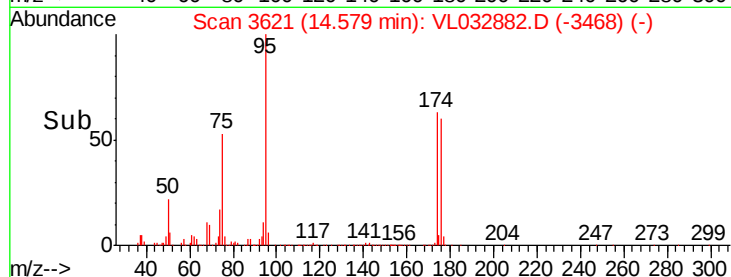
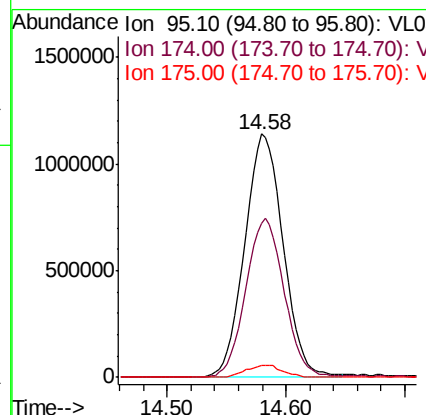
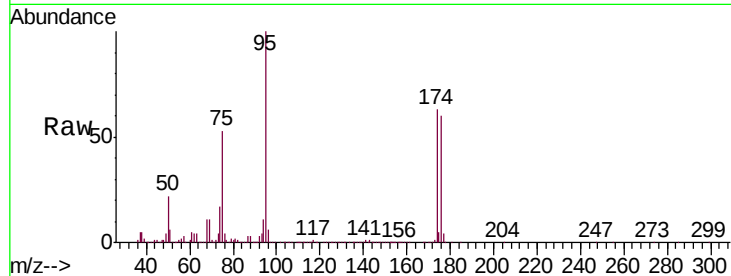




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.685 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032882.D
 Acq: 4 Dec 2018 18:44

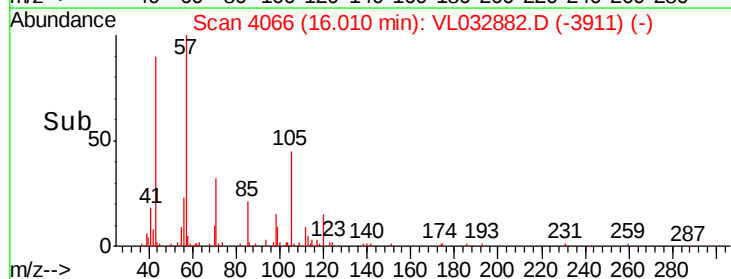
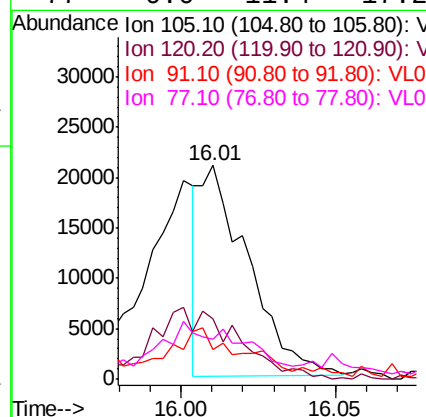
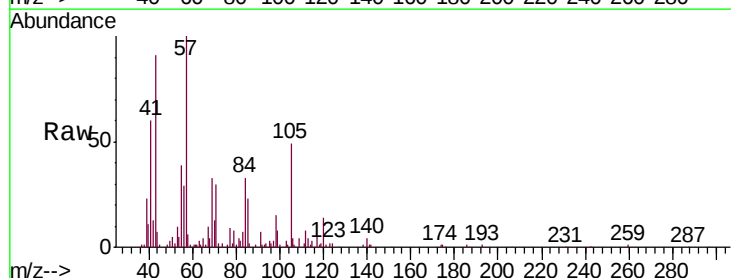
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-01

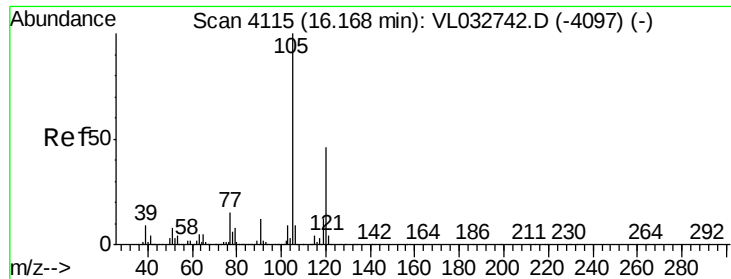
Tgt Ion: 95 Resp: 2552475
 Ion Ratio Lower Upper
 95 100
 174 66.1 50.7 76.1
 175 4.9 3.8 5.6



#72
 4-Ethyltoluene
 Concen: 0.054 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. -0.00 min
 Lab File: VL032882.D
 Acq: 4 Dec 2018 18:44

Tgt Ion: 105 Resp: 22610
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 34.3#
 91 35.9 10.6 15.8#
 77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.075 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

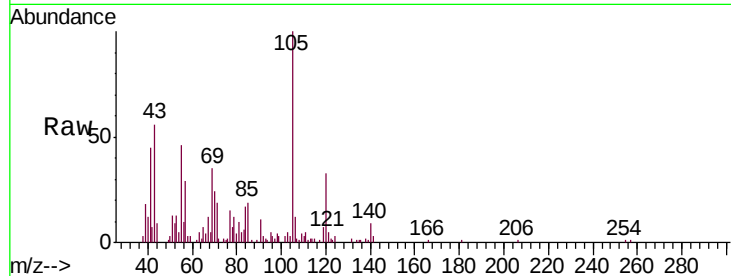
MMSV-01

Tgt Ion:105 Resp: 30587

Ion Ratio Lower Upper

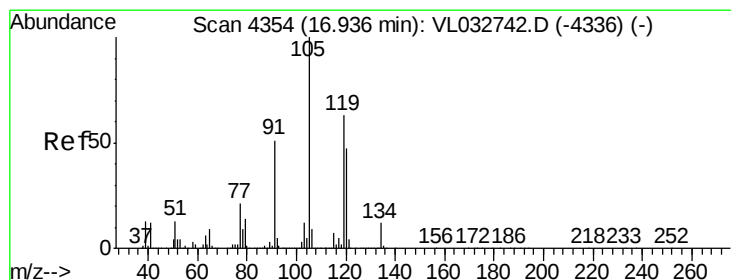
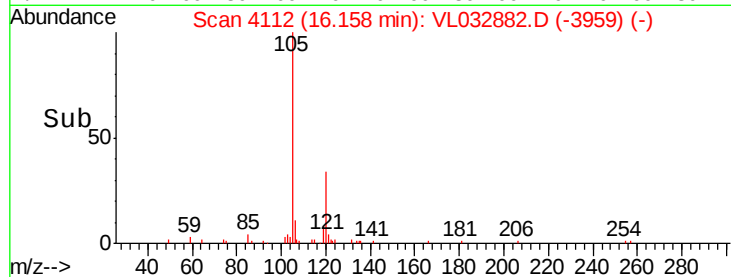
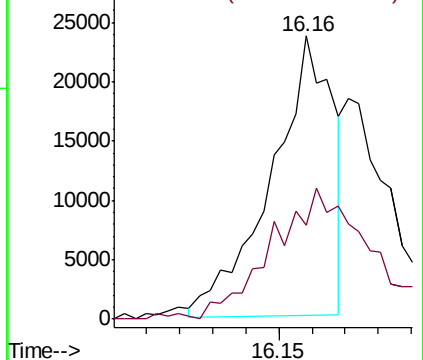
105 100

120 33.2 36.6 55.0#



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: 0.088 ppbv

RT: 16.50 min Scan# 4217

Delta R.T. -0.44 min

Lab File: VL032882.D

Acq: 4 Dec 2018 18:44

Tgt Ion:105 Resp: 38314

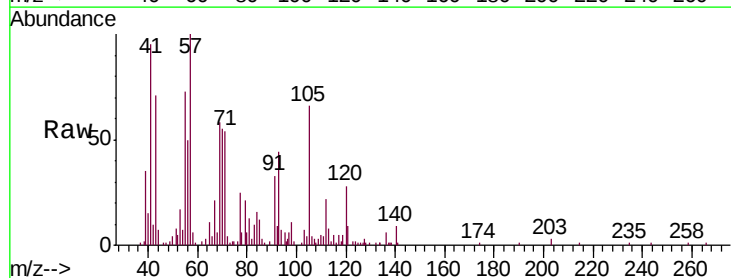
Ion Ratio Lower Upper

105 100

120 44.0 37.6 56.4

91 43.1 42.5 63.7

77 18.4 17.4 26.2



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

