

Data File : VL032890.D

Acq On : 5 Dec 2018 00:01

Operator : SY/AP

Sample : J6176-01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

Quant Time: Dec 05 05:51:30 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1345588	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3518428	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3696193	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2695805	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	61208	0.316	ppbv	98
3) Chlorodifluoromethane	3.02	51	472452	4.429	ppbv	95
4) Chloromethane	3.18	50	16918	0.286	ppbv #	86
7) Chloroethane	3.60	64	715	0.032	ppbv #	85
9) Propene	3.04	41	5470480	128.141	ppbv	97
10) Heptane	8.25	43	467636	2.869	ppbv	98
11) Trichlorofluoromethane	4.01	101	122335	0.671	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	6116	0.041	ppbv #	2
13) Ethanol	3.66	45	694879	49.694	ppbv	99
15) Acetone	3.90	43	3149522	25.630	ppbv #	87
16) 1,3-Butadiene	3.35	39	3224677	67.763	ppbv #	30
17) tert-Butyl alcohol	4.37	59	254748	6.610	ppbv #	93
19) Isopropyl Alcohol	4.04	45	122106	1.492	ppbv #	95
20) Methylene Chloride	4.42	84	285884	4.494	ppbv	95
21) Allyl Chloride	4.47	41	135433	1.312	ppbv #	1
22) trans-1,2-Dichloroethene	4.97	96	12029	0.168	ppbv	86
23) Vinyl Acetate	5.15	43	639668	2.856	ppbv #	19
24) 1,1-Dichloroethane	5.22	63	15945	0.090	ppbv #	88
25) Ethyl Acetate	5.79	43	1417126	4.948	ppbv #	78
26) Hexane	5.79	57	2039567	15.998	ppbv #	44
27) Carbon Disulfide	4.62	76	868135	5.370	ppbv	99
29) Chloroform	5.86	83	218144	0.960	ppbv	93
30) Cyclohexane	7.25	84	353910	3.174	ppbv	85
34) 2-Butanone	5.33	43	2851812	15.627	ppbv	100
36) Benzene	7.01	78	3361333	11.997	ppbv	98
39) 1,2-Dichloropropane	7.30	63	825794	7.736	ppbv #	23
41) Tetrahydrofuran	6.15	42	1481497	14.153	ppbv	98
42) Bromodichloromethane	7.92	83	48614	0.190	ppbv #	29
44) 2,2,4-Trimethylpentane	8.00	57	1856842	3.966	ppbv #	82
50) 4-Methyl-2-Pentanone	8.88	43	65172	0.229	ppbv	92
51) 2-Hexanone	10.28	43	307214	1.673	ppbv #	92
52) Tetrachloroethene	11.38	164	4956	0.051	ppbv #	52
53) Toluene	9.95	91	3634297	12.434	ppbv	99
58) Ethyl Benzene	12.87	91	700744	1.575	ppbv	100
59) m/p-Xylene	13.12	91	797144	2.013	ppbv	97
60) o-Xylene	13.85	91	326386	0.820	ppbv	97
61) Styrene	13.69	104	86465	0.334	ppbv	96
64) n-propylbenzene	15.93	120	10982	0.078	ppbv	74
69) p-Isopropyltoluene	17.82	119	62760	0.114	ppbv #	87
71) 2-Chlorotoluene	15.73	91	84047	0.209	ppbv #	47
72) 4-Ethyltoluene	16.00	105	40047	0.092	ppbv #	56

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\
Quantitation Report (Not Reviewed)

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Instrument :
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ClientSampleId :
MMSV-07

Quant Time: Dec 05 05:51:30 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)
73) 1,3,5-Trimethylbenzene	16.16	105	58639	0.137	ppbv	95
74) 1,2,4-Trimethylbenzene	16.93	105	157097	0.344	ppbv #	70

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

Data File : VL032890.D

Acq On : 5 Dec 2018 00:01

Operator : SY/AP

Sample : J6176-01

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

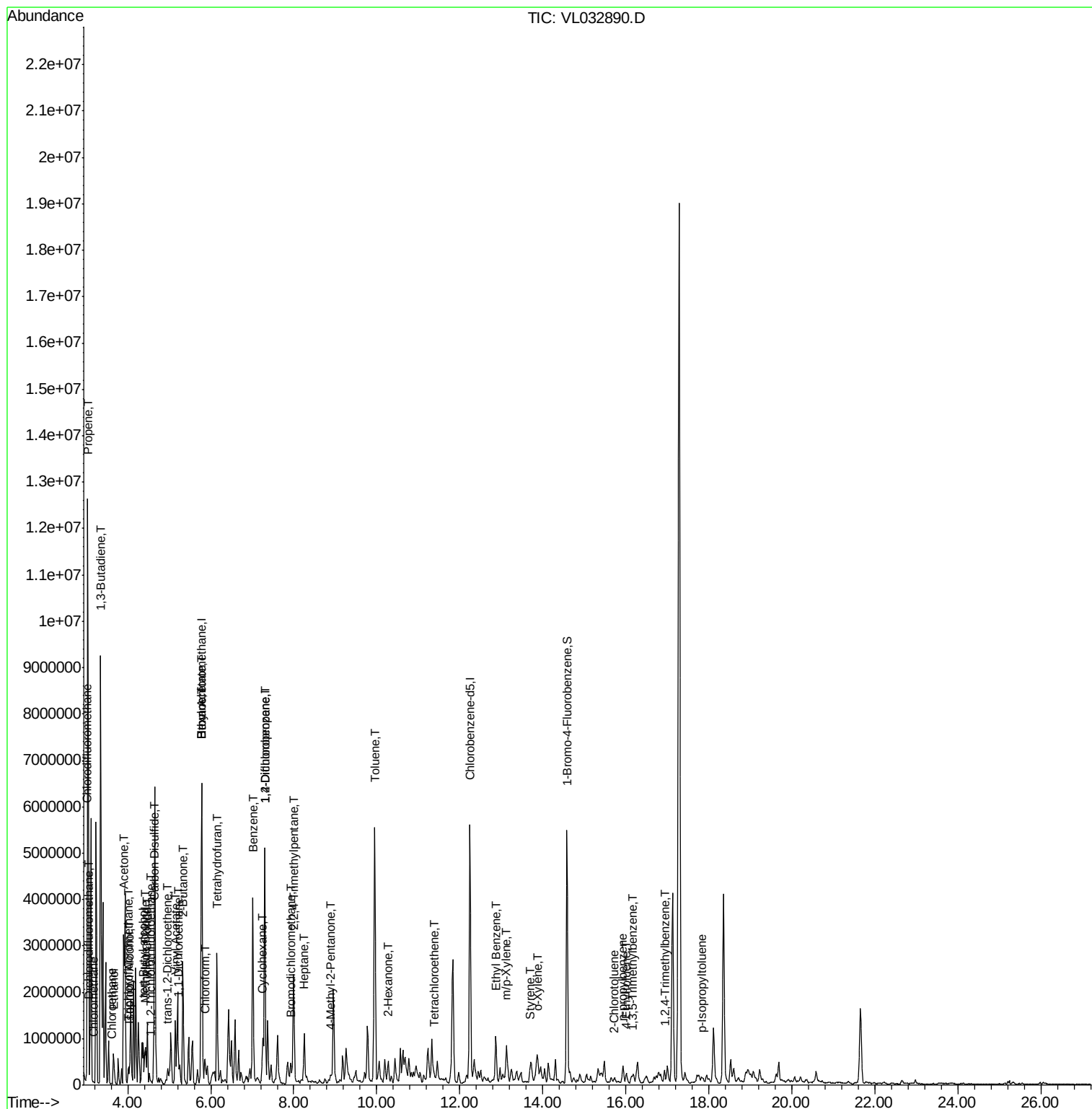
Quant Time: Dec 05 05:51:30 2018

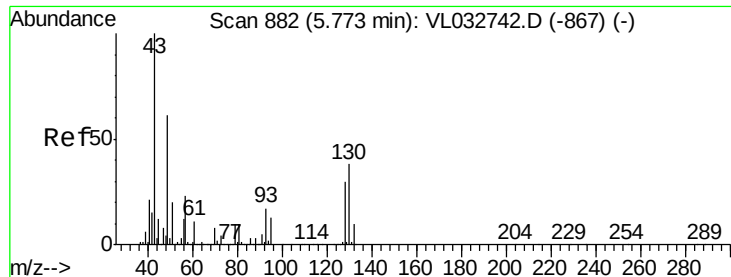
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL111418AIR.M

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

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07

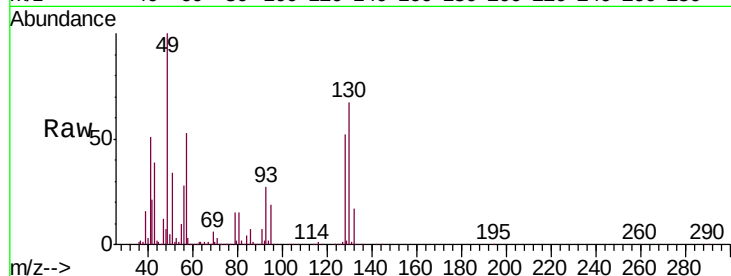
Tgt Ion: 49 Resp: 1345588

Ion Ratio Lower Upper

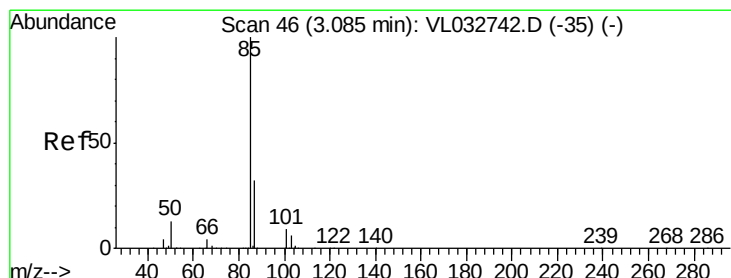
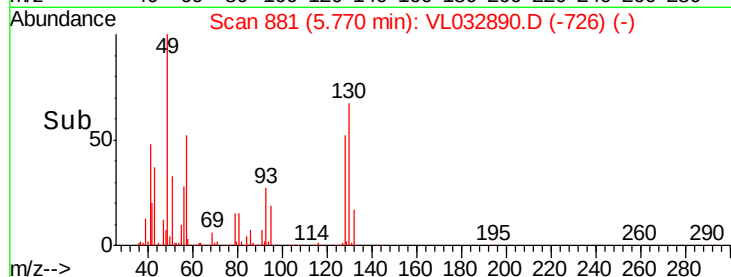
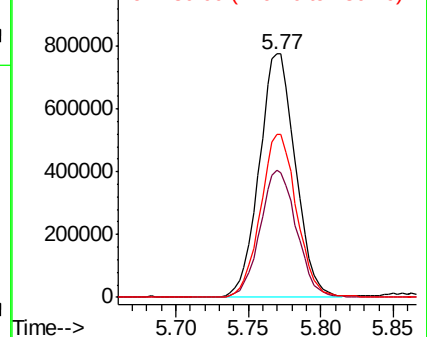
49 100

128 52.8 24.9 74.6

130 67.0 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: 0.316 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.01 min

Lab File: VL032890.D

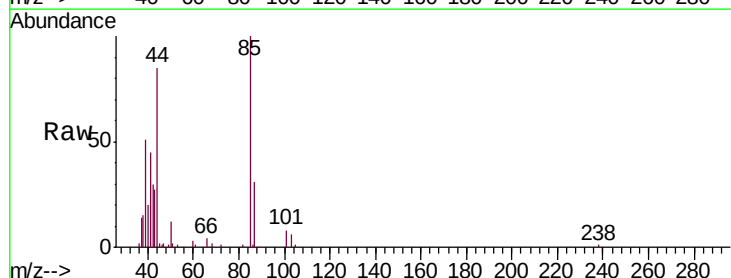
Acq: 5 Dec 2018 00:01

Tgt Ion: 85 Resp: 61208

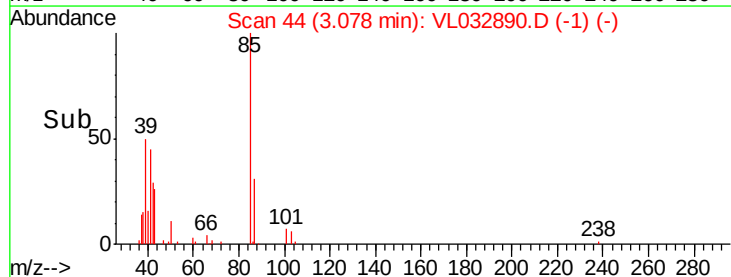
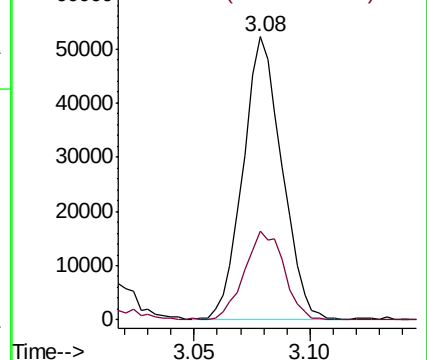
Ion Ratio Lower Upper

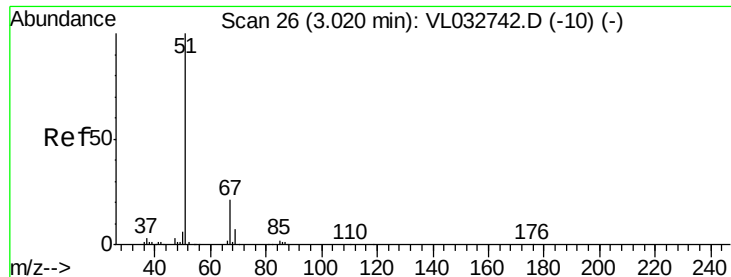
85 100

87 31.2 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: 4.429 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

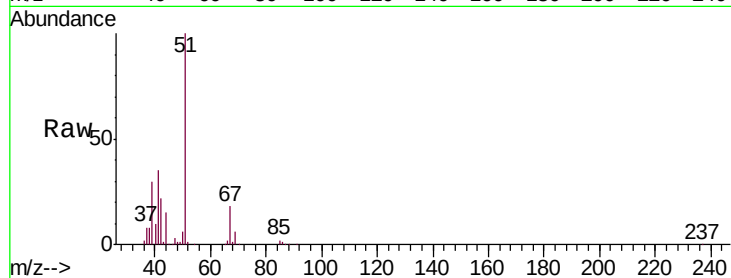
MMSV-07

Tgt Ion: 51 Resp: 472452

Ion Ratio Lower Upper

51 100

67 18.0 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.02

400000

300000

200000

100000

0

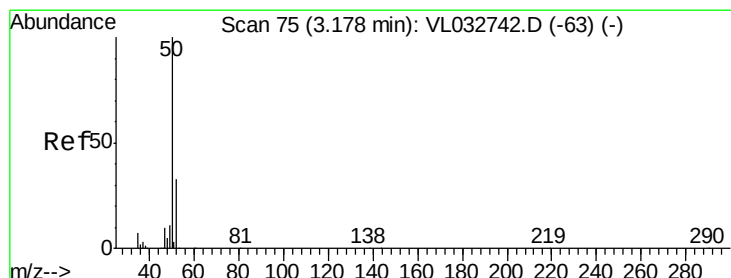
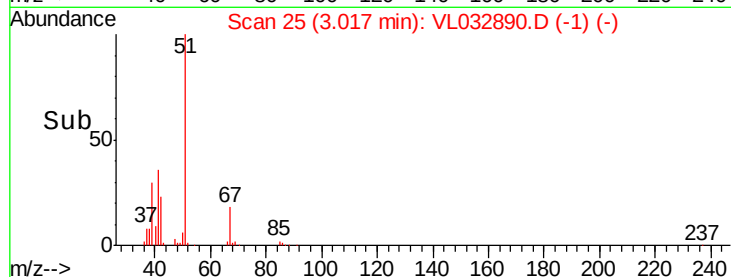
Time-->

2.90

3.00

3.10

3.20



#4

Chloromethane

Concen: 0.286 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032890.D

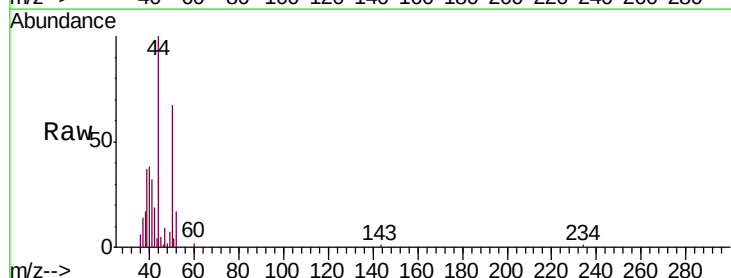
Acq: 5 Dec 2018 00:01

Tgt Ion: 50 Resp: 16918

Ion Ratio Lower Upper

50 100

52 25.2 26.6 40.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.18

20000

15000

10000

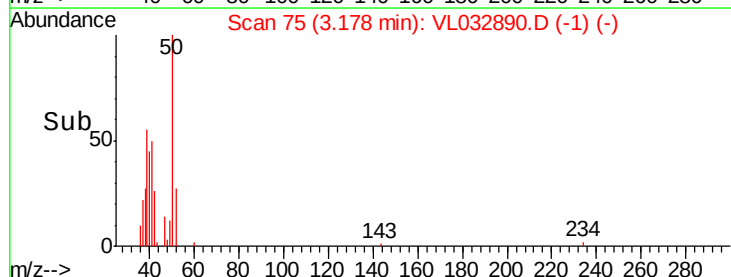
5000

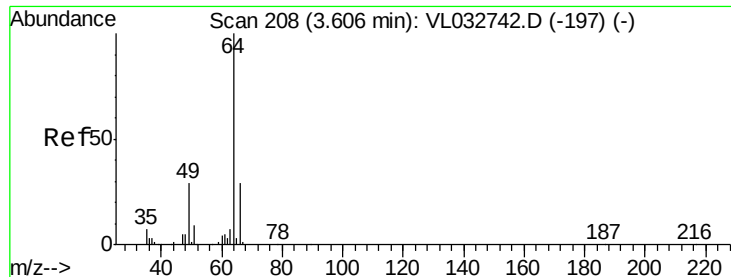
0

Time-->

3.15

3.20





#7

Chloroethane

Concen: 0.032 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

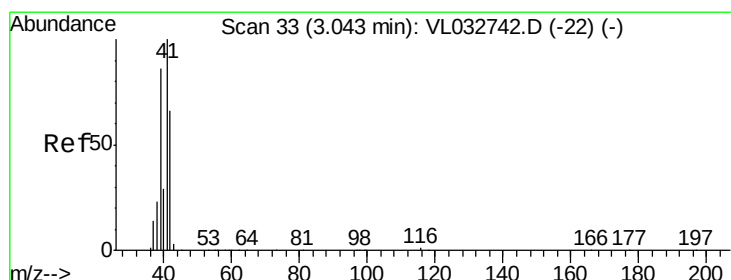
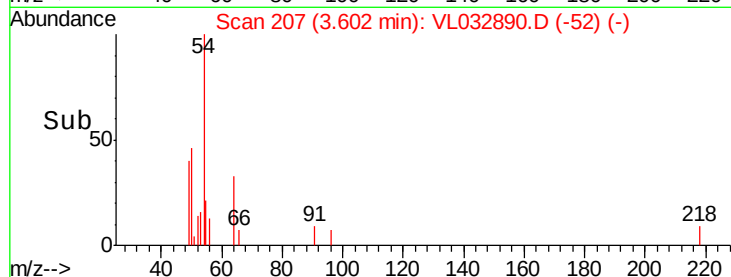
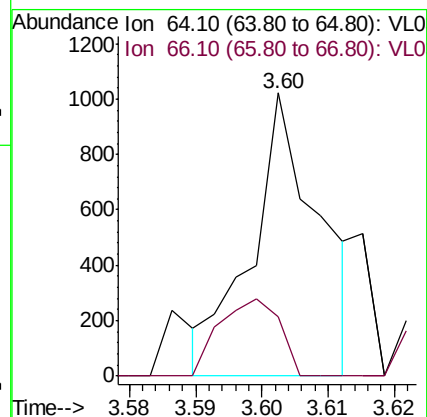
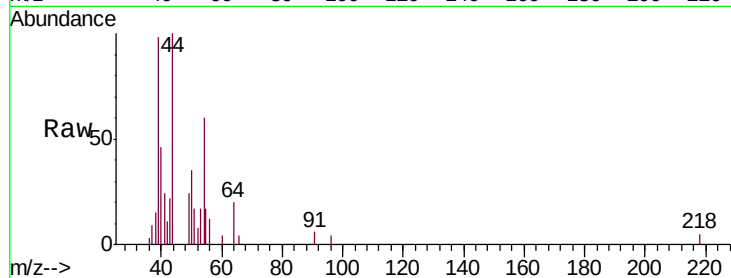
MMSV-07

Tgt Ion: 64 Resp: 715

Ion Ratio Lower Upper

64 100

66 20.9 23.2 34.8#



#9

Propene

Concen: 128.141 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032890.D

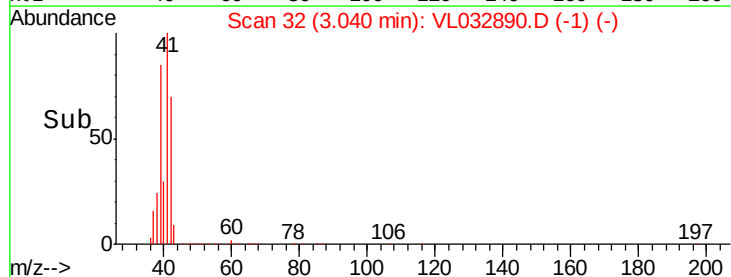
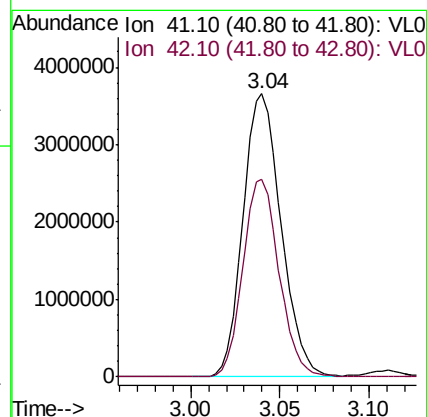
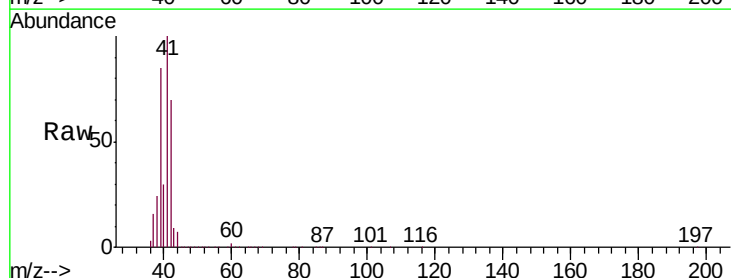
Acq: 5 Dec 2018 00:01

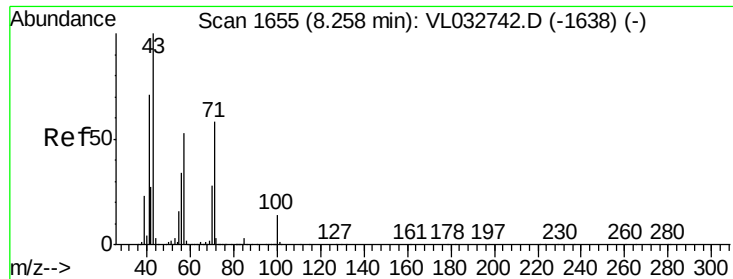
Tgt Ion: 41 Resp: 5470480

Ion Ratio Lower Upper

41 100

42 66.5 55.0 82.6

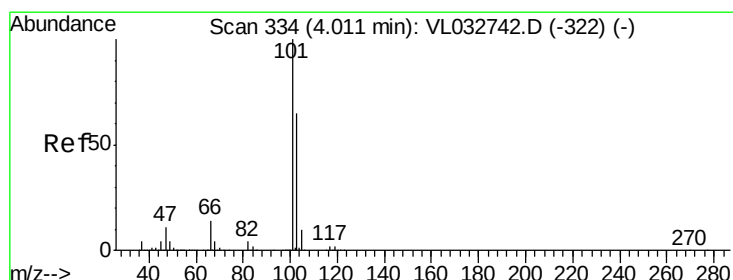
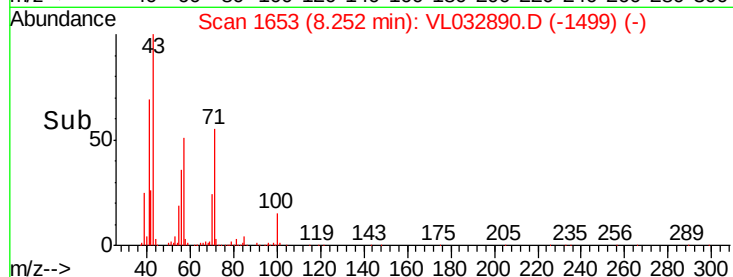
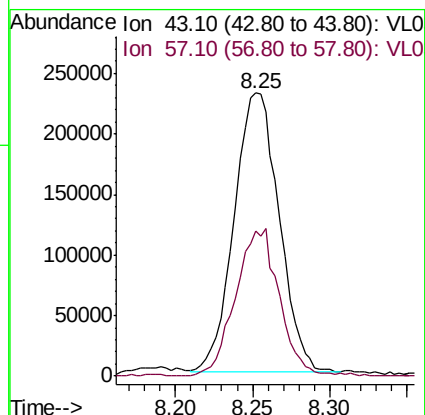
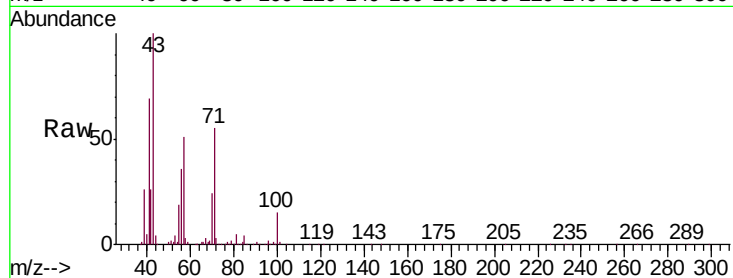




#10
 Heptane
 Concen: 2.869 ppbv
 RT: 8.25 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: VL032890.D
 Acq: 5 Dec 2018 00:01

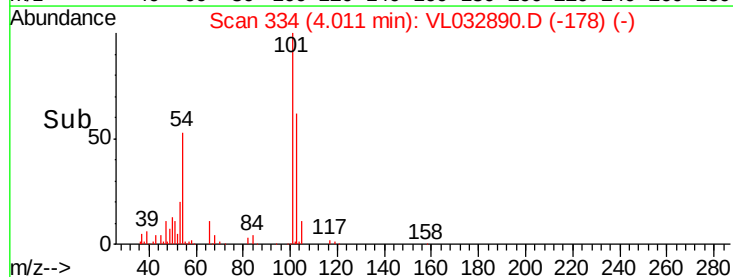
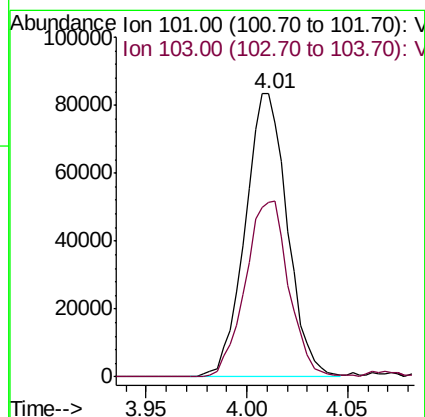
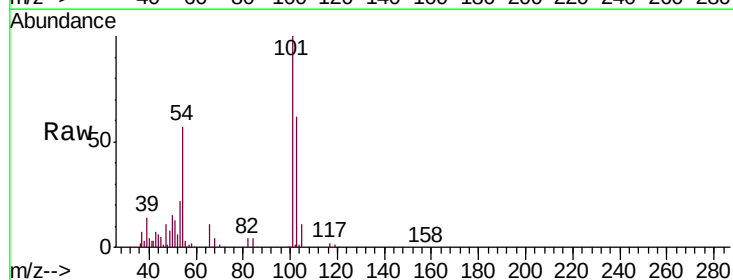
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-07

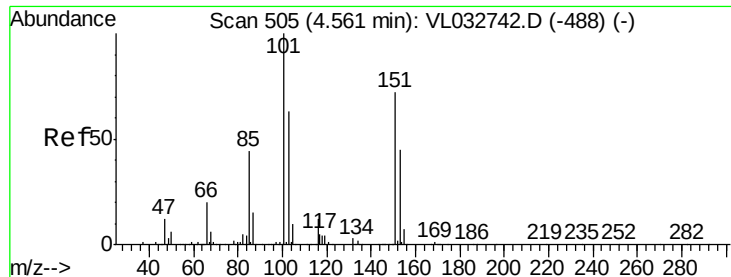
Tgt Ion: 43 Resp: 467636
 Ion Ratio Lower Upper
 43 100
 57 51.0 41.8 62.8



#11
 Trichlorofluoromethane
 Concen: 0.671 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032890.D
 Acq: 5 Dec 2018 00:01

Tgt Ion: 101 Resp: 122335
 Ion Ratio Lower Upper
 101 100
 103 61.9 51.6 77.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.041 ppbv

RT: 4.56 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

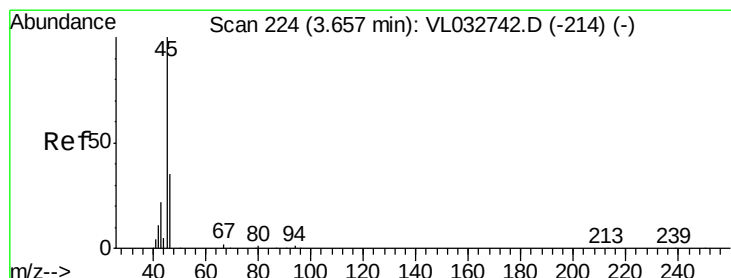
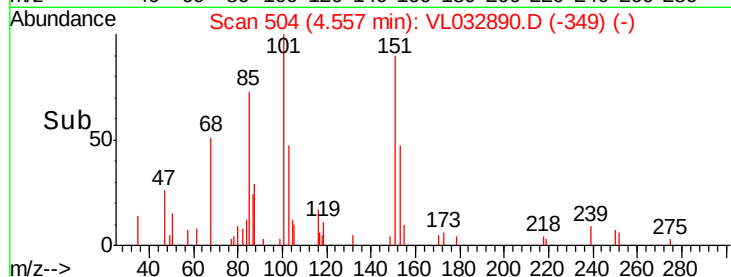
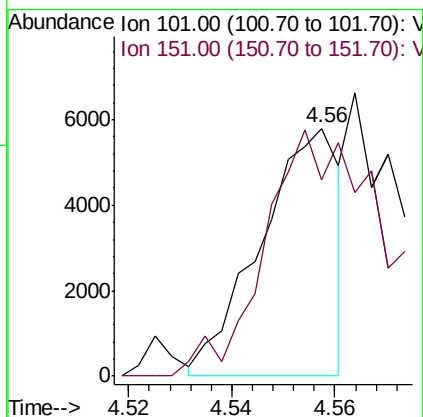
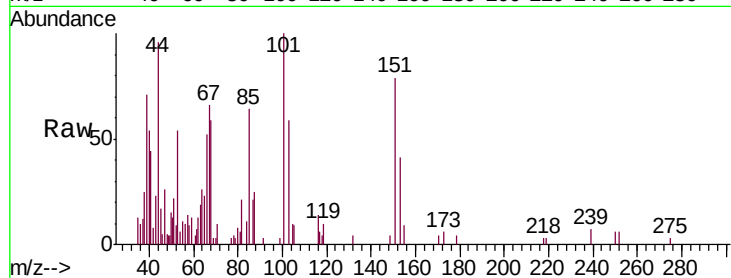
MMSV-07

Tgt Ion:101 Resp: 6116

Ion Ratio Lower Upper

101 100

151 152.1 56.7 85.1#



#13

Ethanol

Concen: 49.694 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032890.D

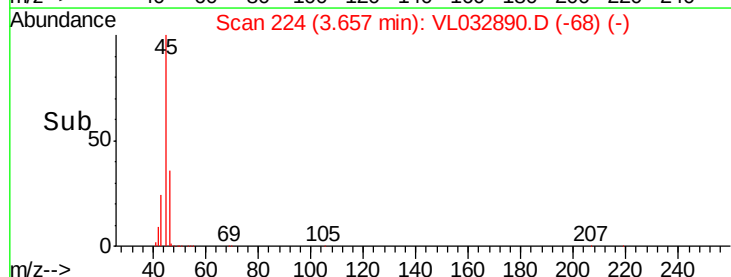
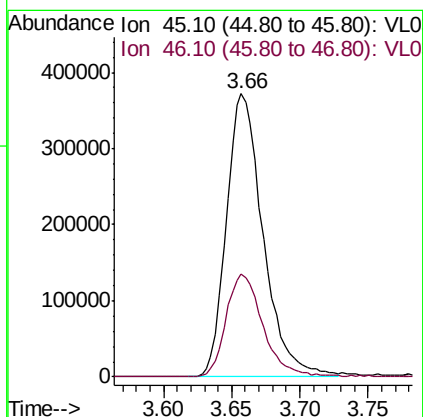
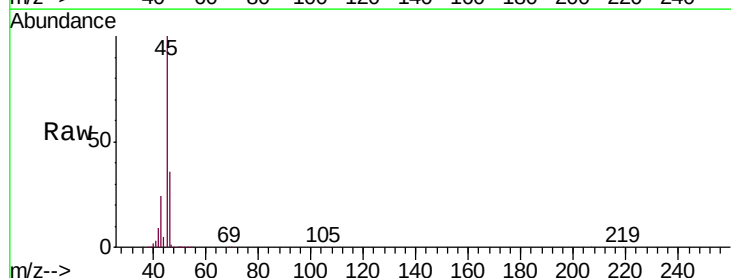
Acq: 5 Dec 2018 00:01

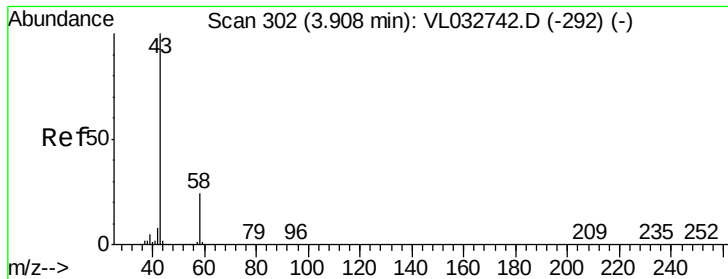
Tgt Ion: 45 Resp: 694879

Ion Ratio Lower Upper

45 100

46 37.1 14.5 57.9





#15

Acetone

Concen: 25.630 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

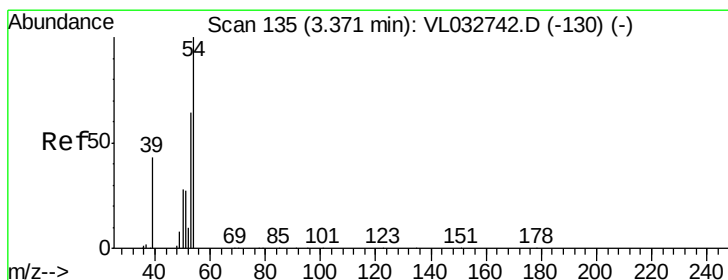
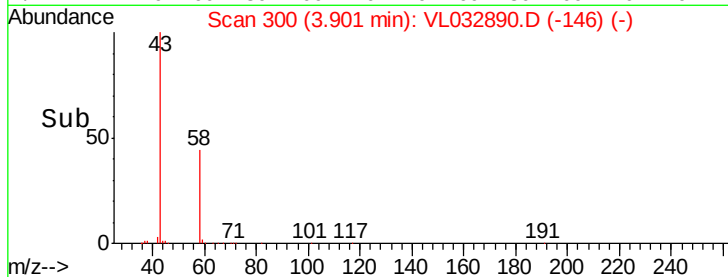
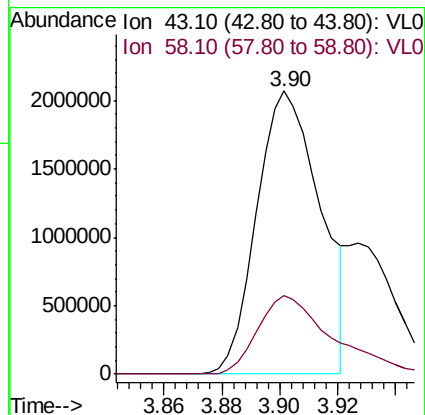
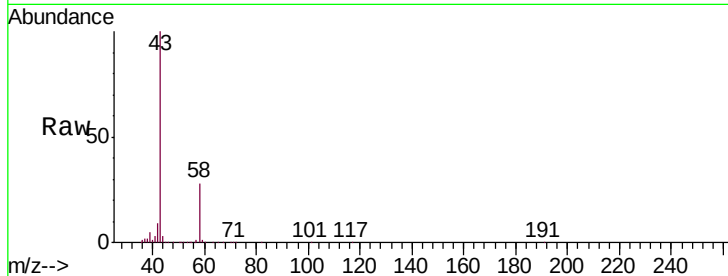
MMSV-07

Tgt Ion: 43 Resp: 3149522

Ion Ratio Lower Upper

43 100

58 32.9 21.1 31.7#



#16

1,3-Butadiene

Concen: 67.763 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.03 min

Lab File: VL032890.D

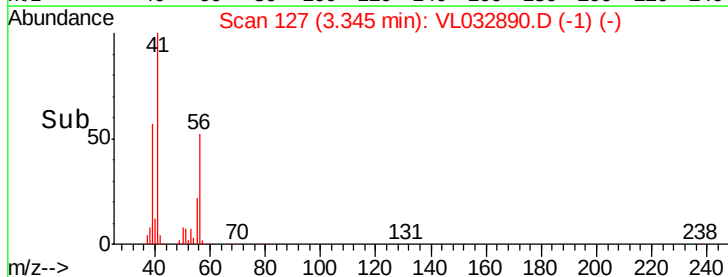
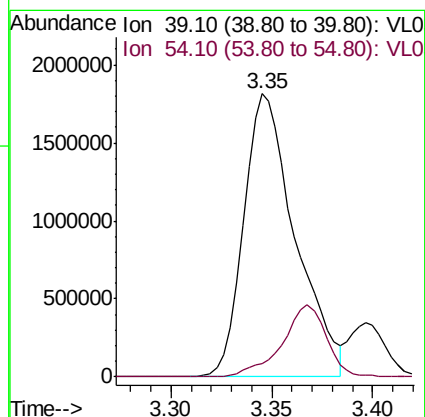
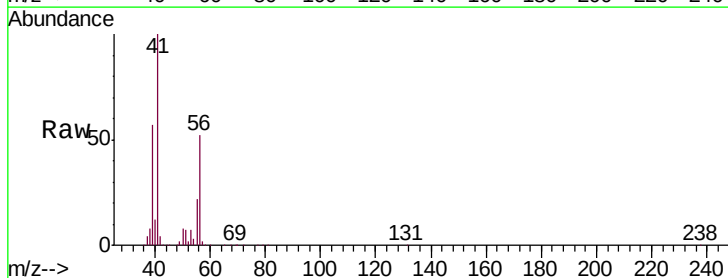
Acq: 5 Dec 2018 00:01

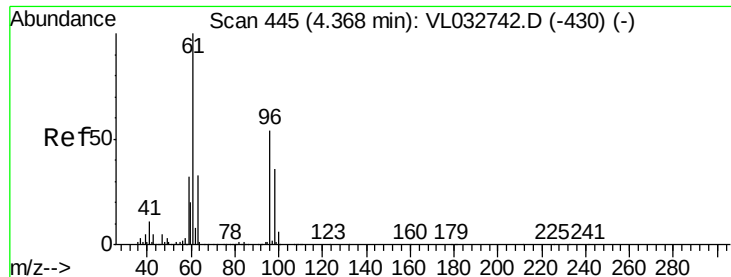
Tgt Ion: 39 Resp: 3224677

Ion Ratio Lower Upper

39 100

54 21.8 68.9 103.3#





#17

tert-Butyl alcohol

Concen: 6.610 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

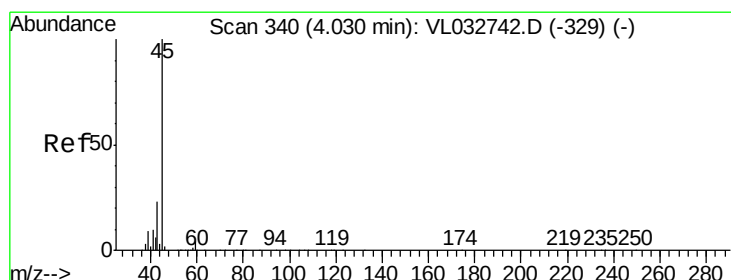
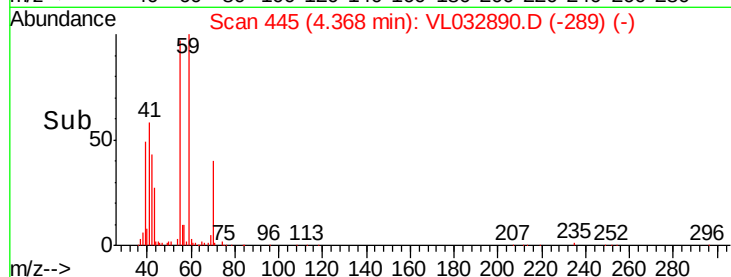
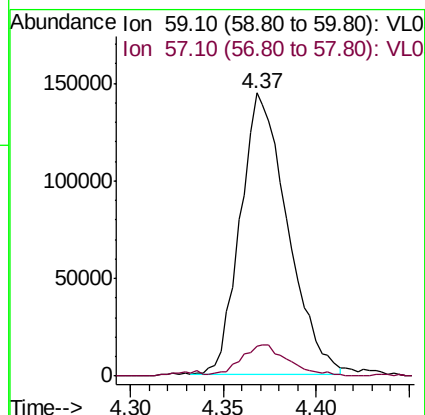
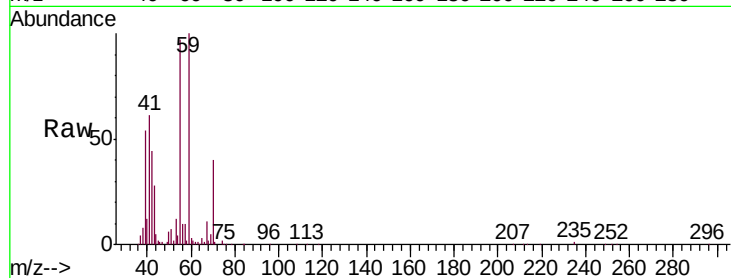
MMSV-07

Tgt Ion: 59 Resp: 254748

Ion Ratio Lower Upper

59 100

57 12.3 7.8 11.8#



#19

Isopropyl Alcohol

Concen: 1.492 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL032890.D

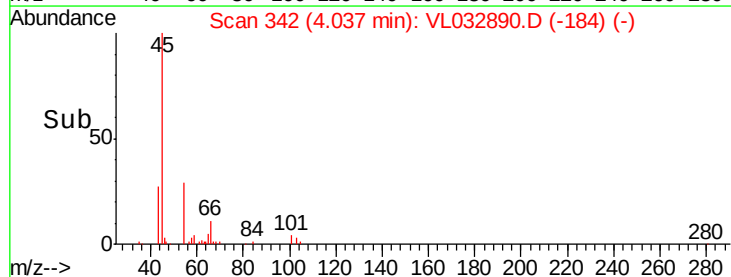
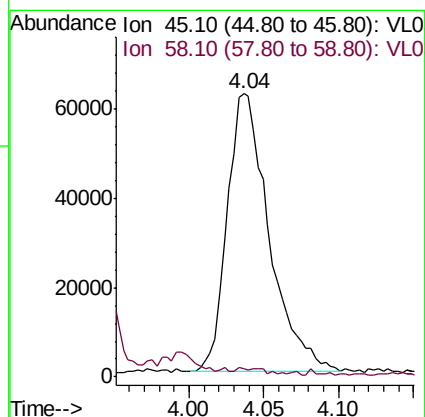
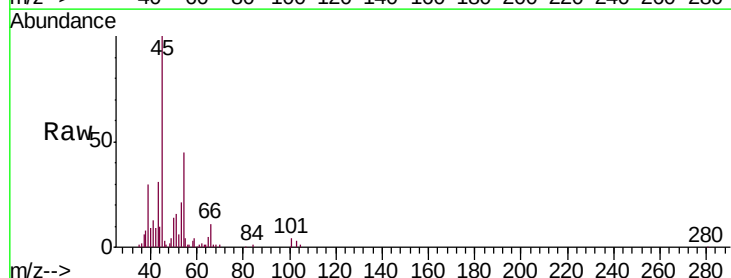
Acq: 5 Dec 2018 00:01

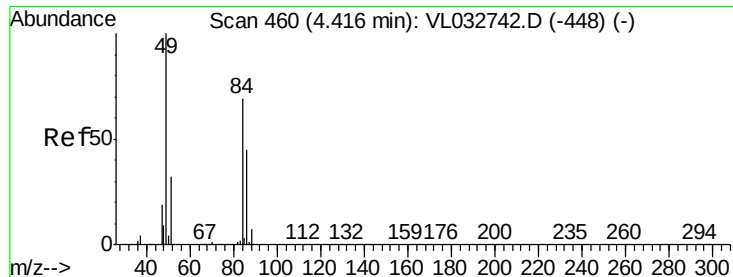
Tgt Ion: 45 Resp: 122106

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#

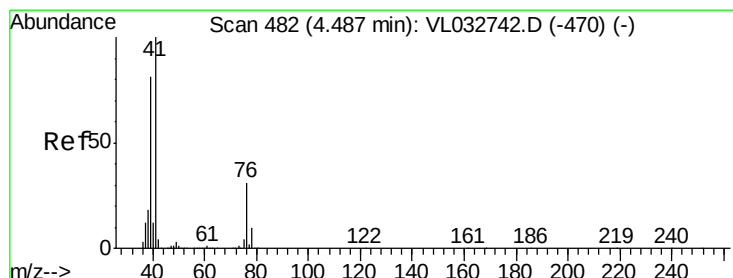
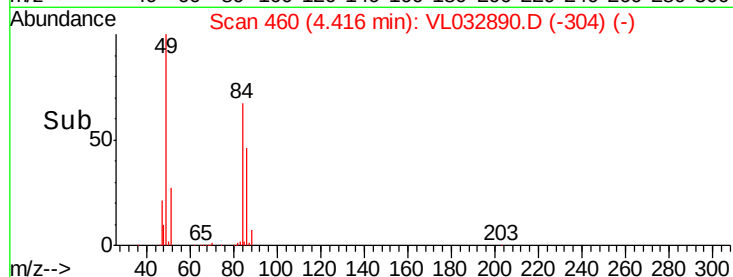
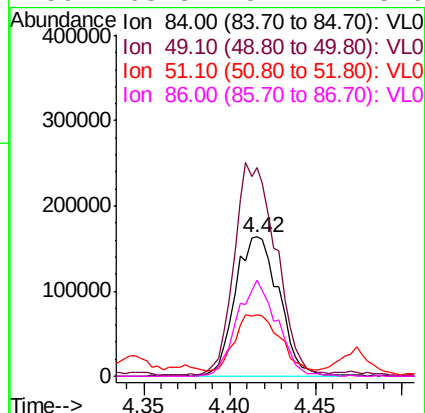
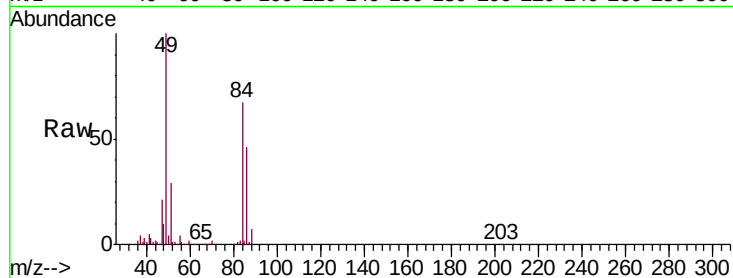




#20
Methylene Chloride
Concen: 4.494 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

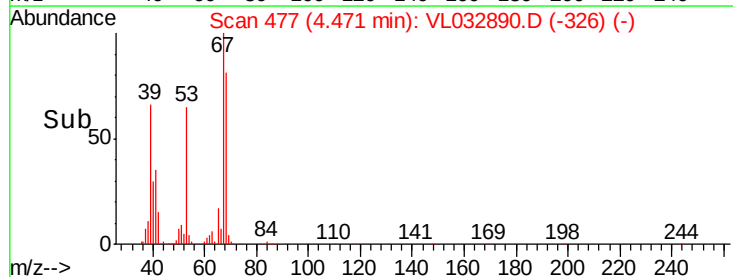
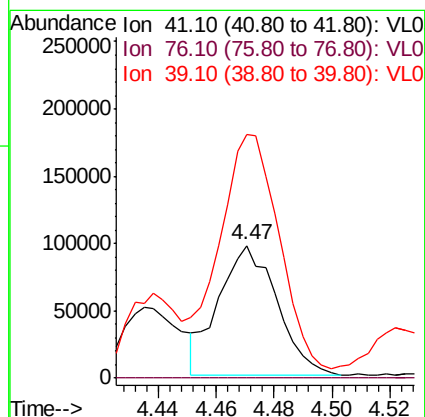
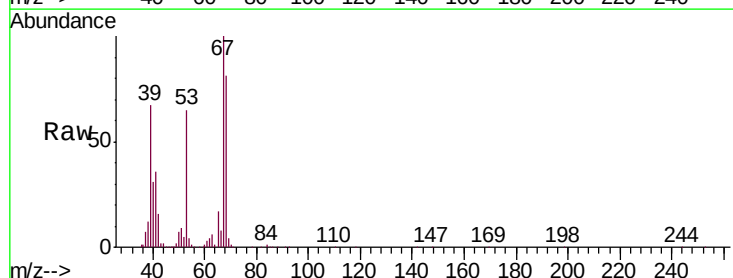
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

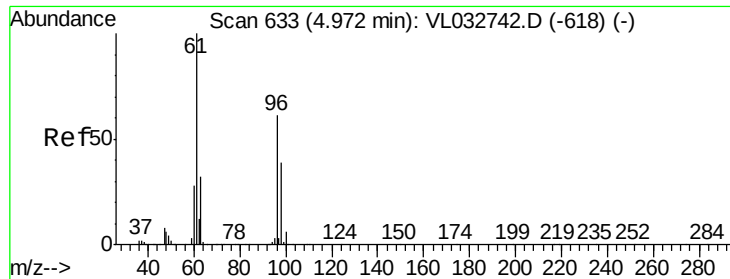
Tgt Ion:	84	Resp:	285884
Ion	Ratio	Lower	Upper
84	100		
49	148.5	115.8	173.6
51	37.5	36.9	55.3
86	68.8	52.4	78.6



#21
Allyl Chloride
Concen: 1.312 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

Tgt Ion:	41	Resp:	135433
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	246.9	63.5	95.3#





#22

trans-1,2-Dichloroethene

Concen: 0.168 ppbv

RT: 4.97 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07

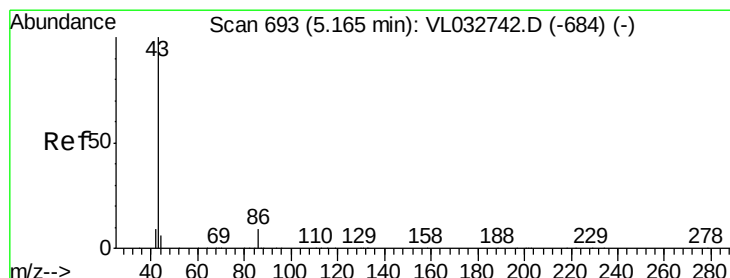
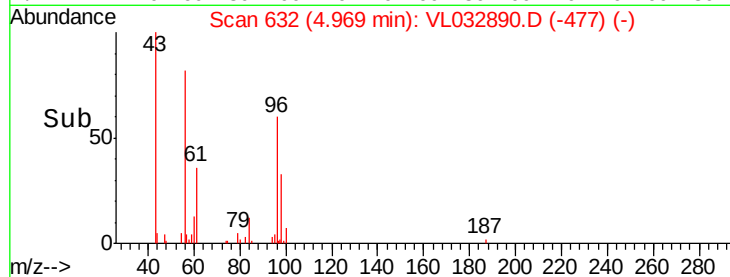
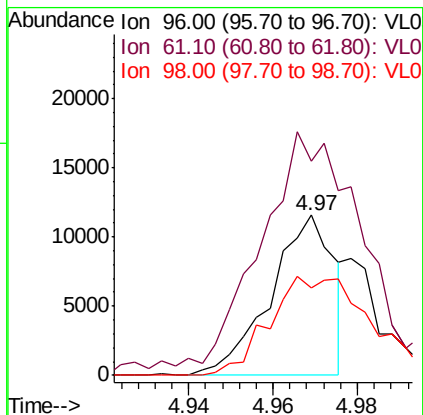
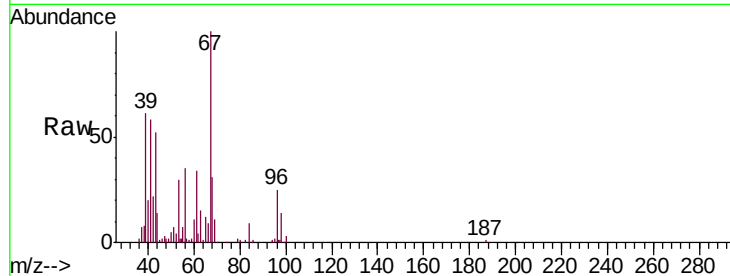
Tgt Ion: 96 Resp: 12029

Ion Ratio Lower Upper

96 100

61 141.5 130.2 195.2

98 55.1 50.2 75.2



#23

Vinyl Acetate

Concen: 2.856 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.02 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Tgt Ion: 43 Resp: 639668

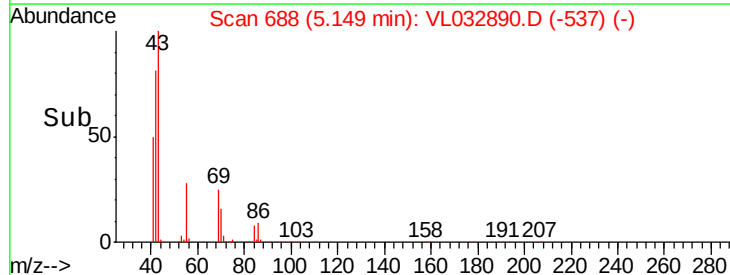
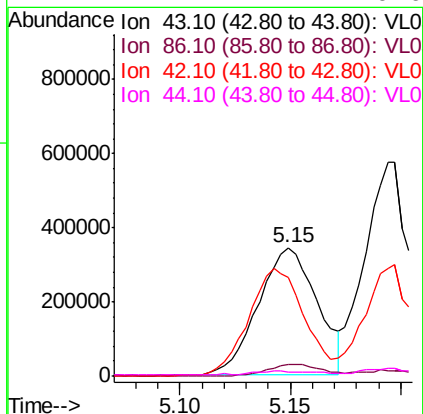
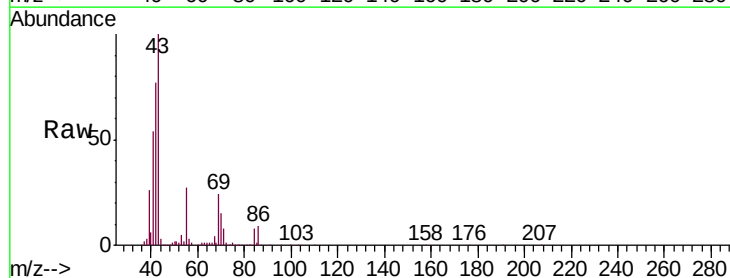
Ion Ratio Lower Upper

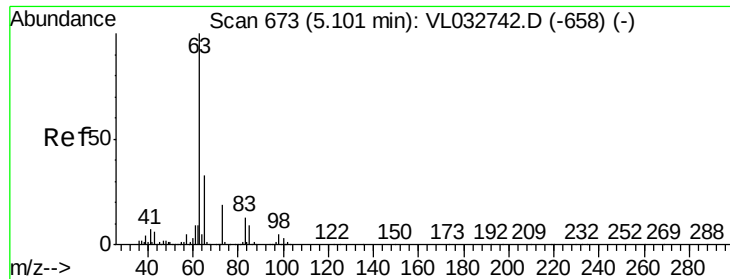
43 100

86 8.7 6.2 9.4

42 76.8 7.8 11.6#

44 1.2 4.4 6.6#





#24

1,1-Dichloroethane

Concen: 0.090 ppbv

RT: 5.22 min Scan# 710

Delta R.T. 0.12 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07

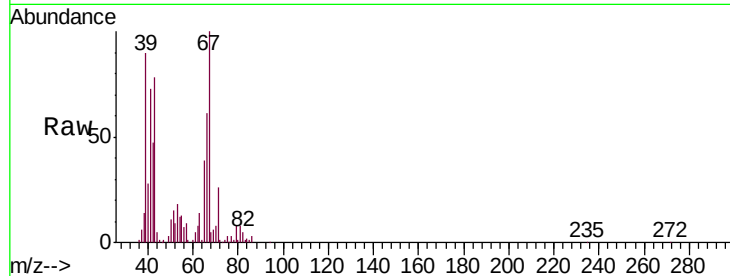
Tgt Ion: 63 Resp: 15945

Ion Ratio Lower Upper

63 100

98 0.0 2.3 6.8#

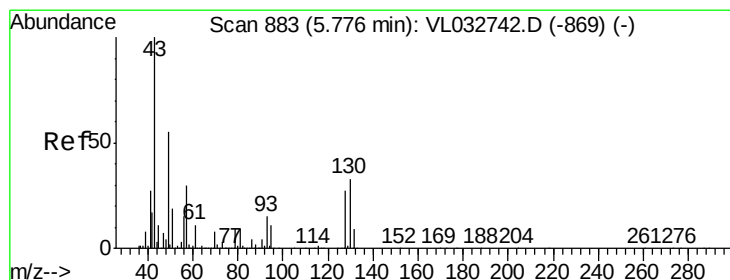
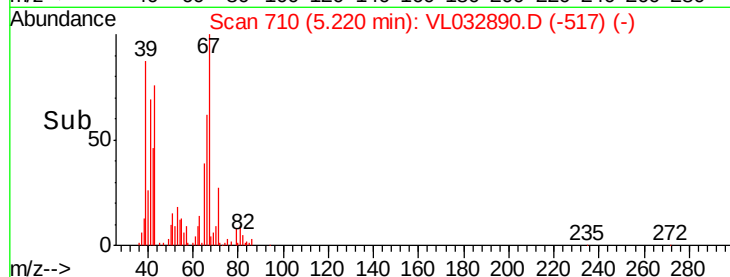
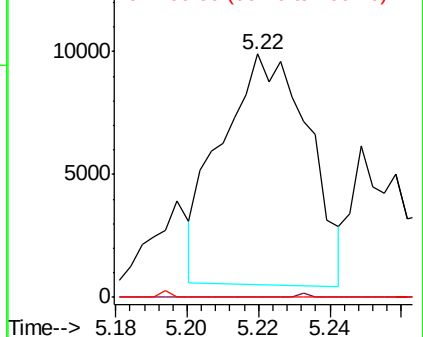
100 0.0 1.4 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 4.948 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.01 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Tgt Ion: 43 Resp: 1417126

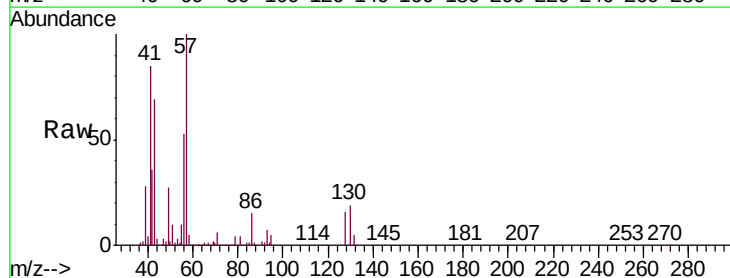
Ion Ratio Lower Upper

43 100

45 0.8 7.9 11.9#

61 0.6 7.8 11.6#

70 2.0 5.8 8.6#

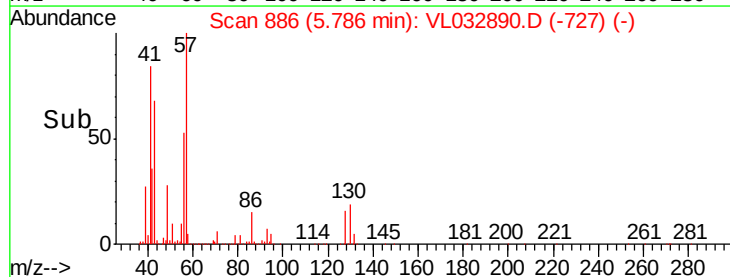
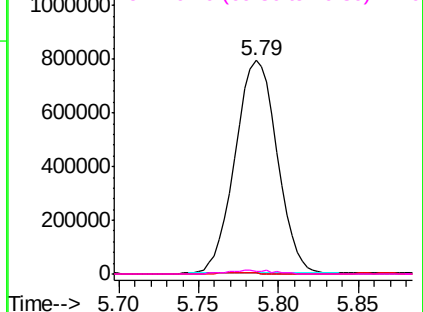


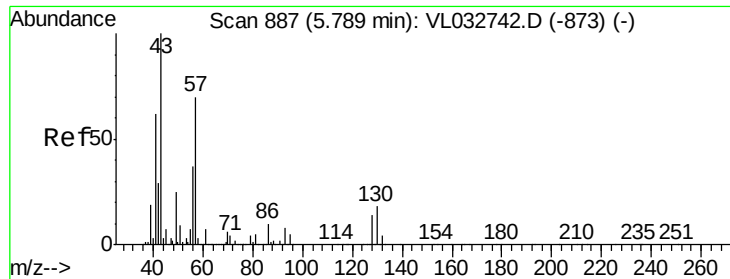
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



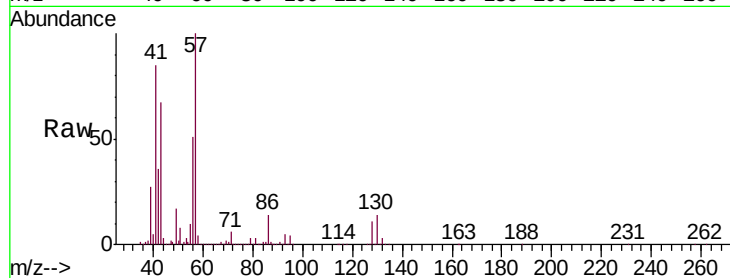


#26
Hexane
Concen: 15.998 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

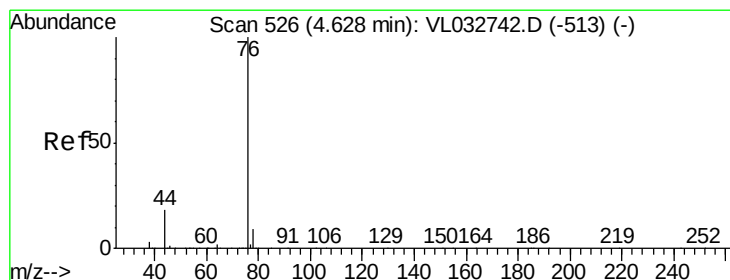
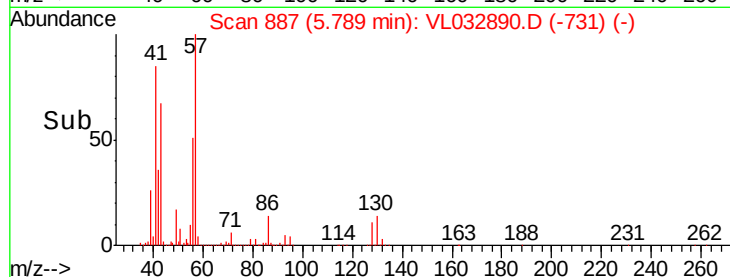
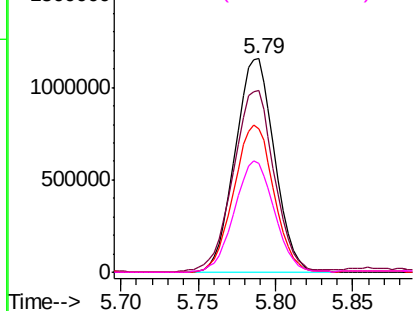
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

Tgt Ion: 57 Resp: 2039567

Ion	Ratio	Lower	Upper
57	100		
41	89.1	70.3	105.5
43	69.9	174.0	261.0#
56	53.1	42.3	63.5



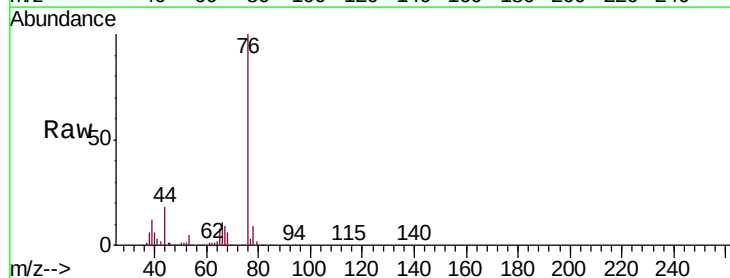
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



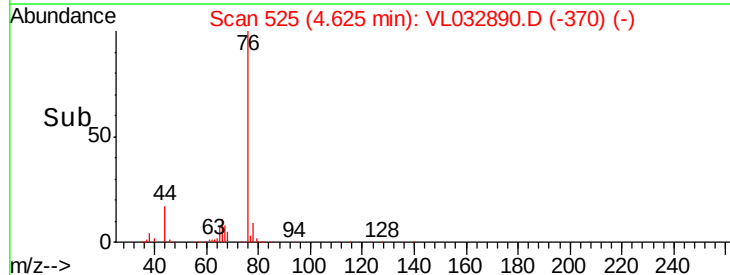
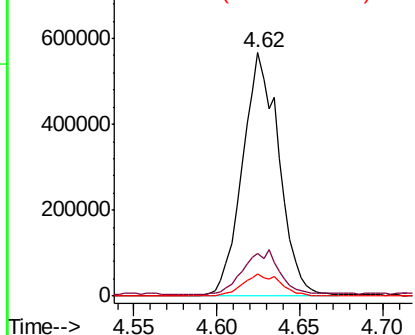
#27
Carbon Disulfide
Concen: 5.370 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

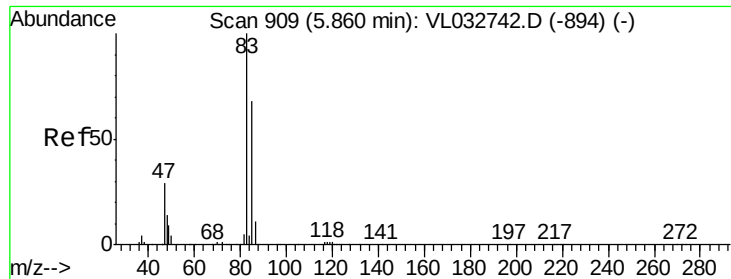
Tgt Ion: 76 Resp: 868135

Ion	Ratio	Lower	Upper
76	100		
44	18.8	14.4	21.6
78	9.6	7.7	11.5



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

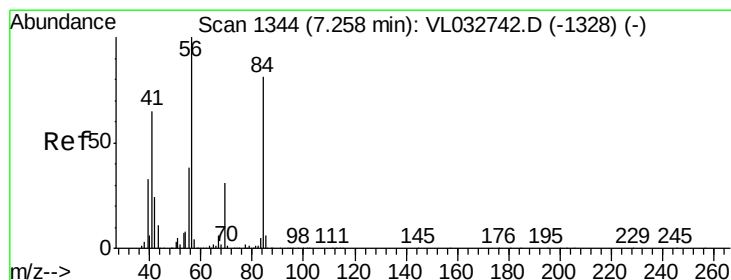
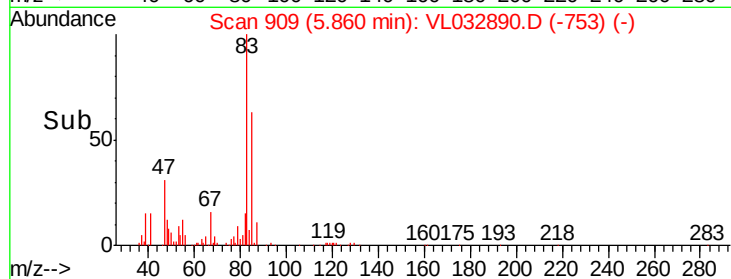
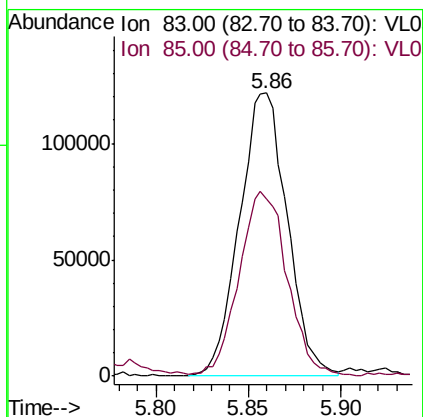
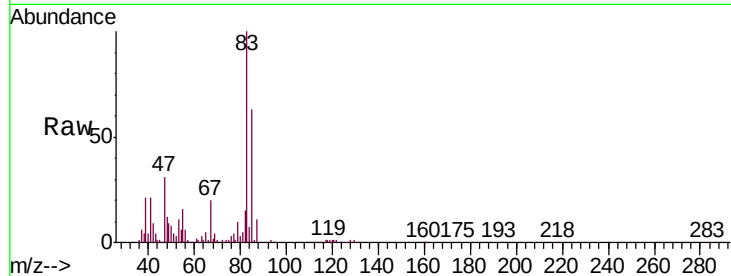




#29
Chloroform
Concen: 0.960 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

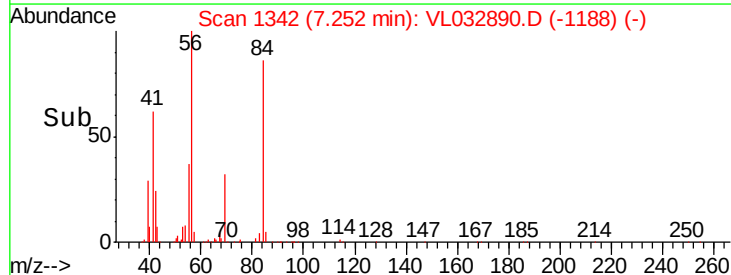
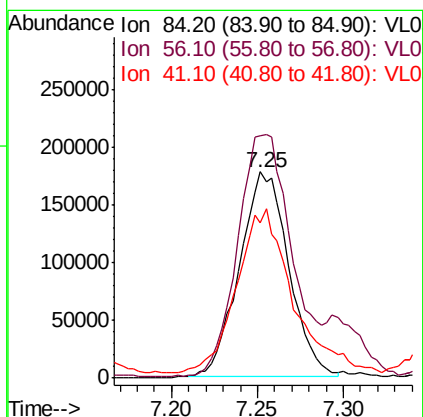
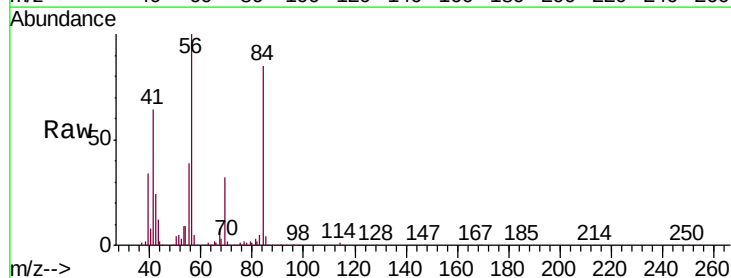
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

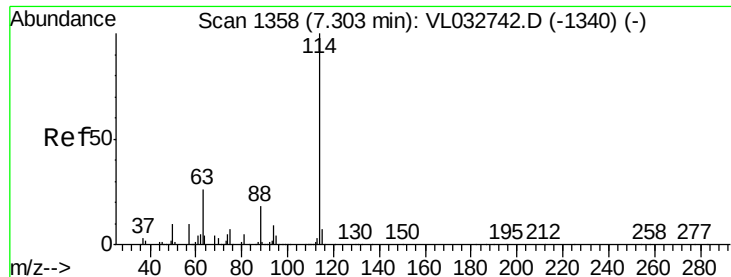
Tgt Ion: 83 Resp: 218144
Ion Ratio Lower Upper
83 100
85 62.2 54.2 81.4



#30
Cyclohexane
Concen: 3.174 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

Tgt Ion: 84 Resp: 353910
Ion Ratio Lower Upper
84 100
56 150.5 105.0 157.4
41 94.0 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: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07

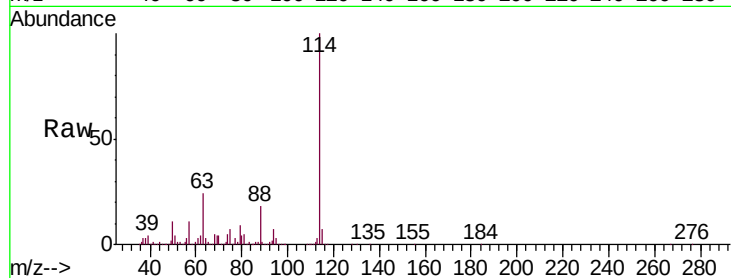
Tgt Ion:114 Resp: 3518428

Ion Ratio Lower Upper

114 100

63 24.2 20.9 31.3

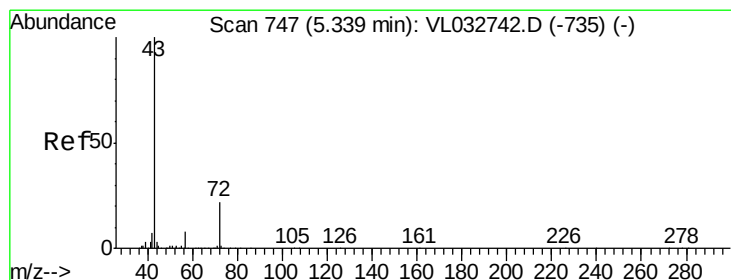
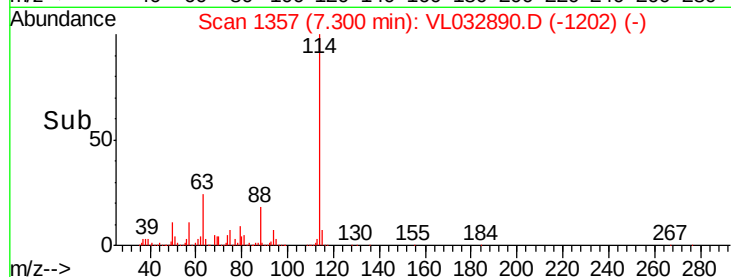
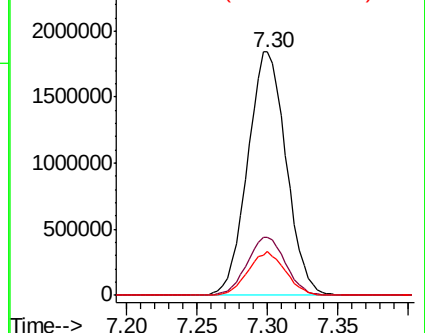
88 17.4 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 15.627 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.01 min

Lab File: VL032890.D

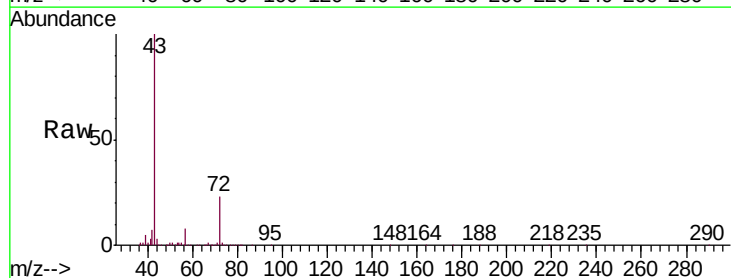
Acq: 5 Dec 2018 00:01

Tgt Ion: 43 Resp: 2851812

Ion Ratio Lower Upper

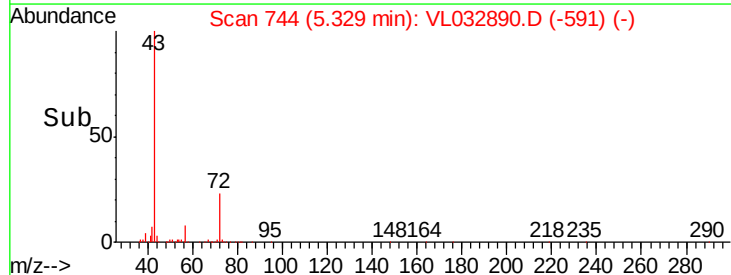
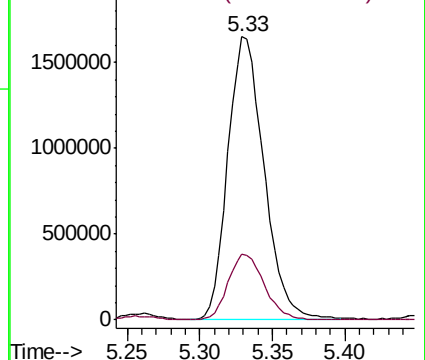
43 100

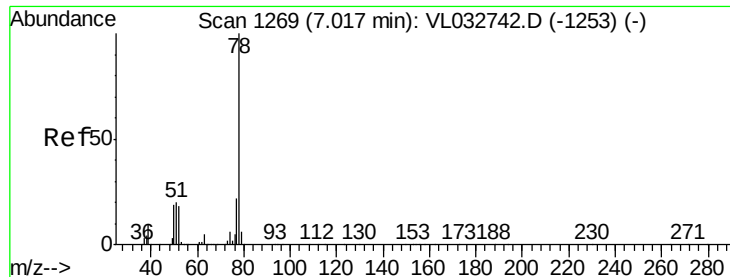
72 23.2 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 11.997 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07

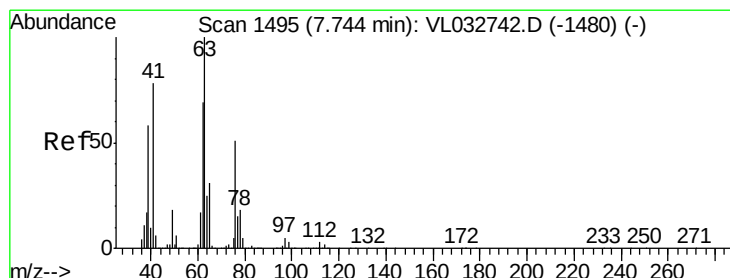
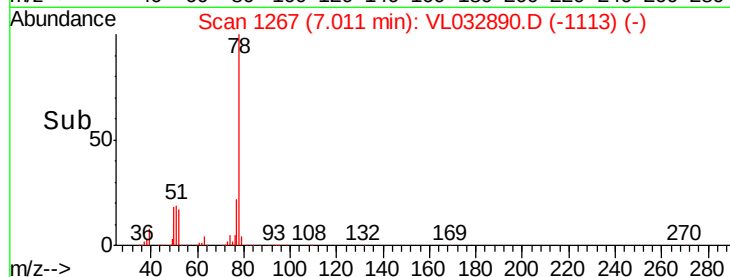
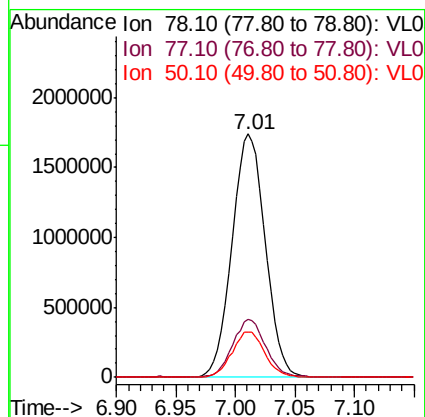
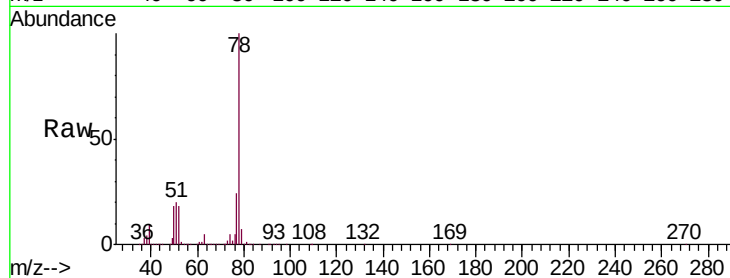
Tgt Ion: 78 Resp: 3361333

Ion Ratio Lower Upper

78 100

77 23.6 17.8 26.8

50 18.4 15.4 23.0



#39

1,2-Dichloropropane

Concen: 7.736 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

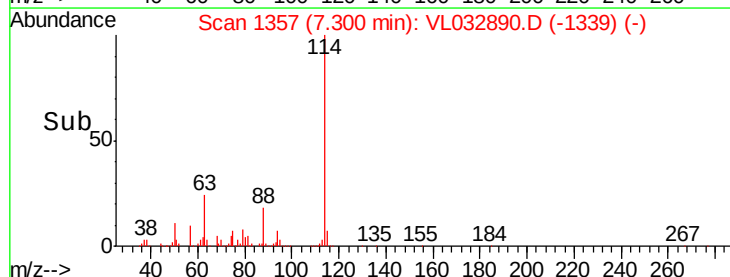
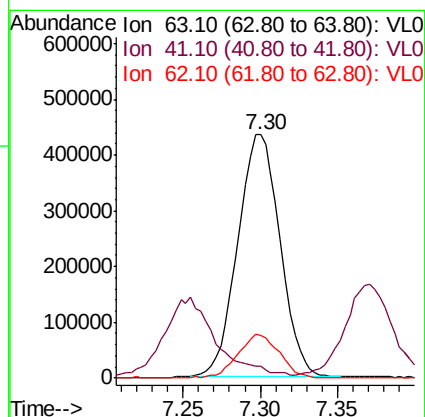
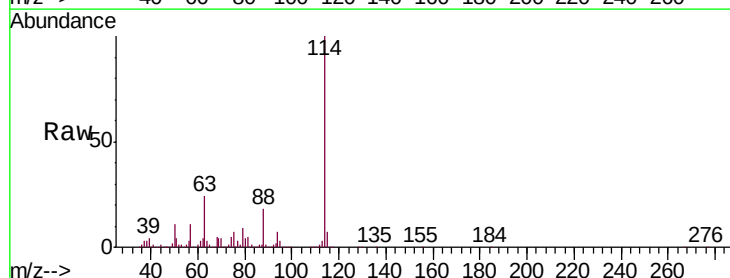
Tgt Ion: 63 Resp: 825794

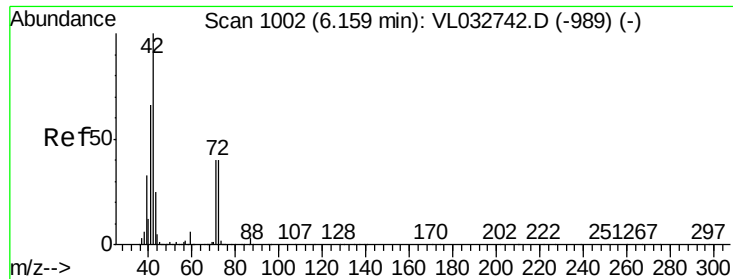
Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

62 17.6 55.4 83.2#

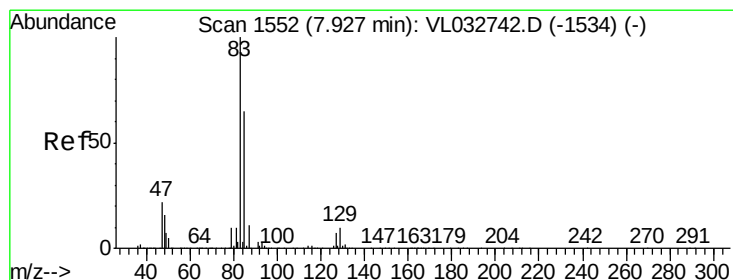
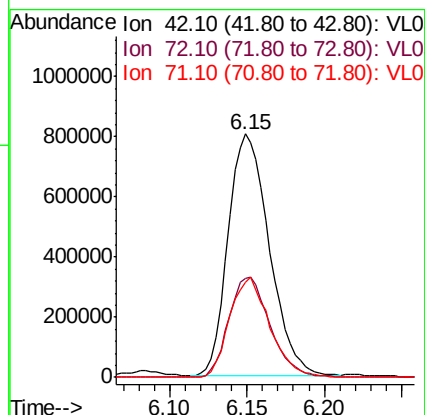
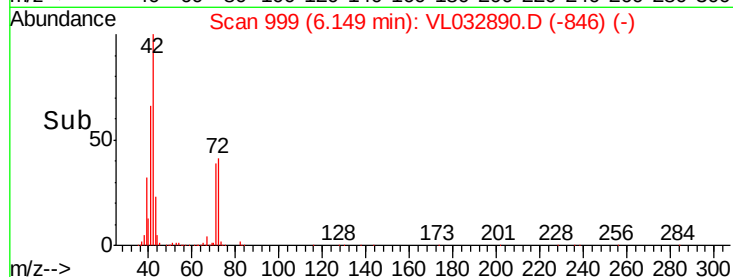
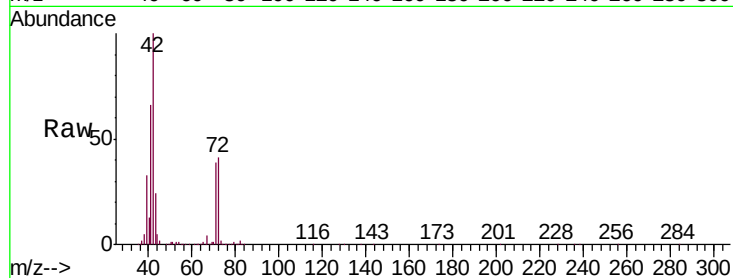




#41
Tetrahydrofuran
Concen: 14.153 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.01 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

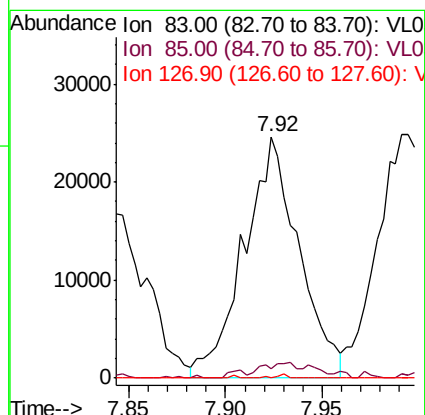
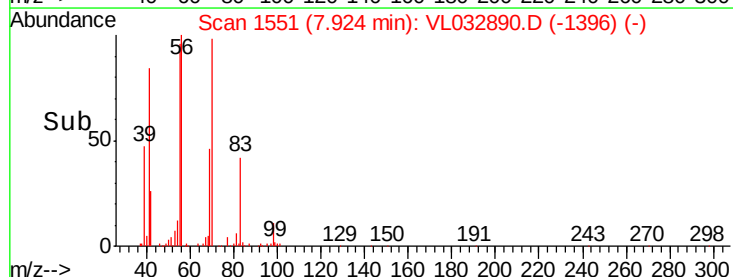
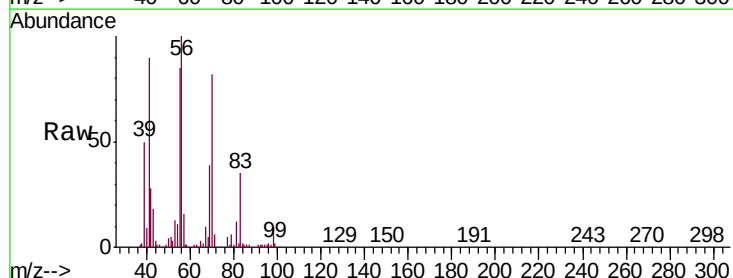
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

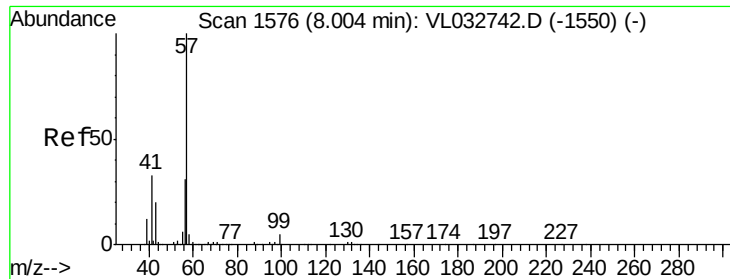
Tgt Ion: 42 Resp: 1481497
Ion Ratio Lower Upper
42 100
72 41.9 32.4 48.6
71 40.5 31.6 47.4



#42
Bromodichloromethane
Concen: 0.190 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

Tgt Ion: 83 Resp: 48614
Ion Ratio Lower Upper
83 100
85 4.0 51.8 77.8#
127 0.0 5.9 8.9#

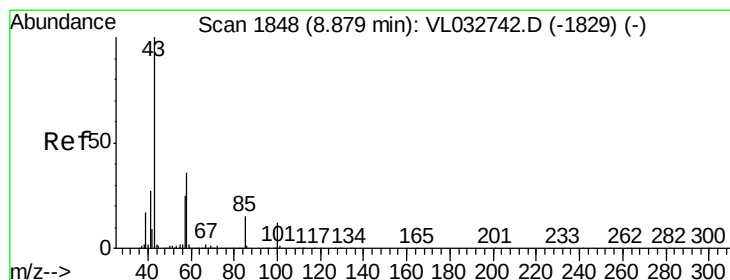
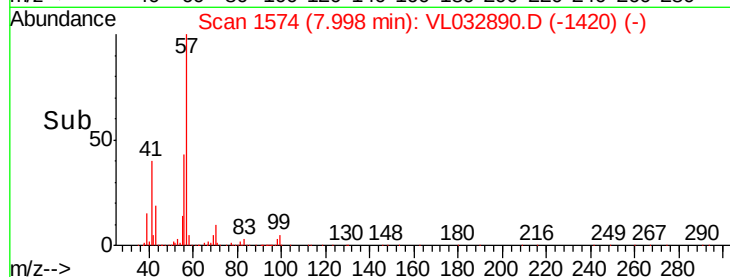
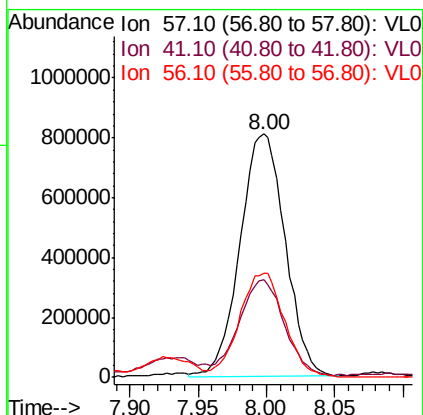
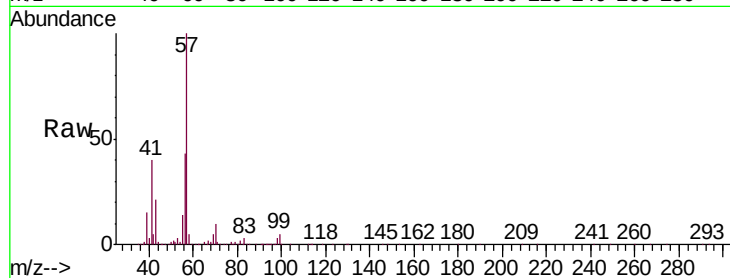




#44
 2,2,4-Trimethylpentane
 Concen: 3.966 ppbv
 RT: 8.00 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL032890.D
 Acq: 5 Dec 2018 00:01

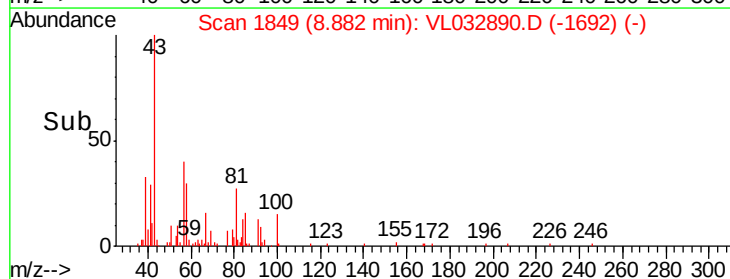
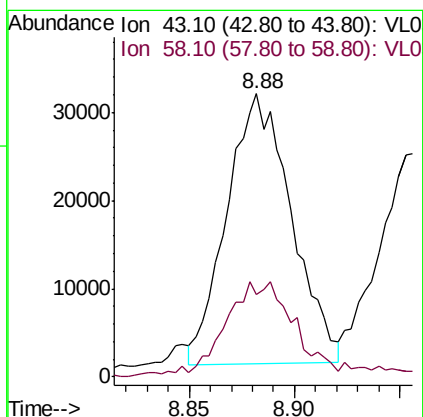
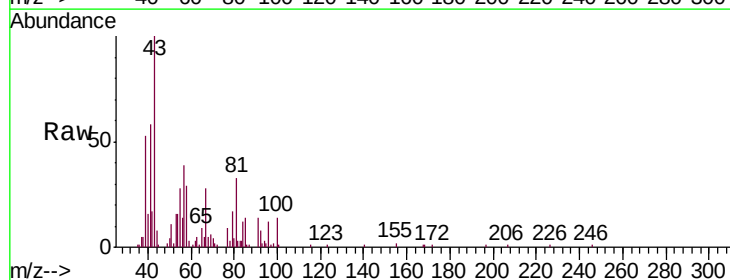
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-07

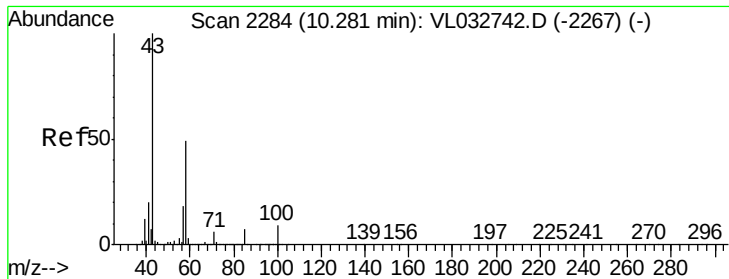
Tgt Ion: 57 Resp: 1856842
 Ion Ratio Lower Upper
 57 100
 41 41.6 26.6 39.8#
 56 43.1 24.8 37.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.229 ppbv
 RT: 8.88 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: VL032890.D
 Acq: 5 Dec 2018 00:01

Tgt Ion: 43 Resp: 65172
 Ion Ratio Lower Upper
 43 100
 58 40.9 28.8 43.2

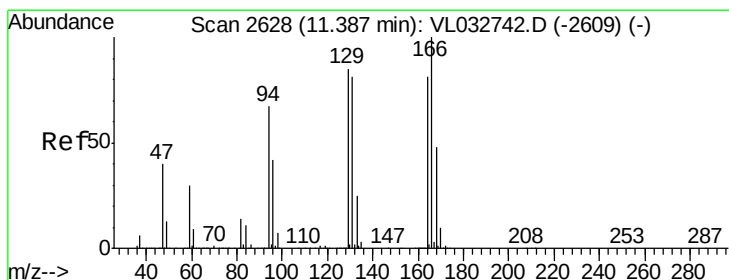
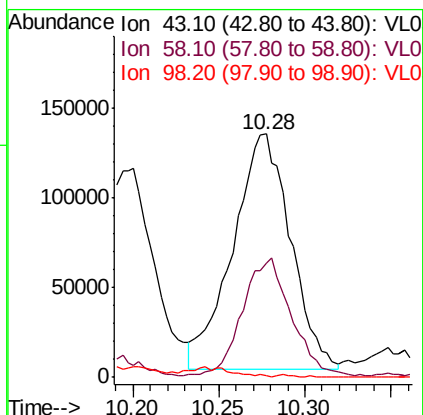
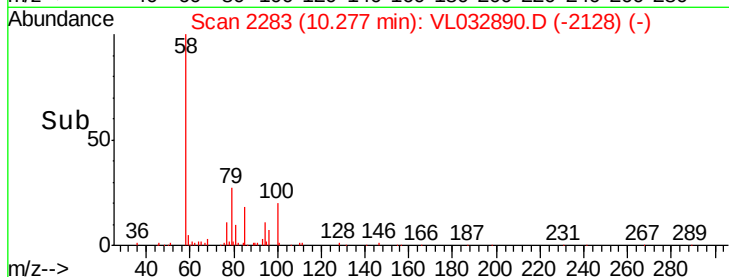
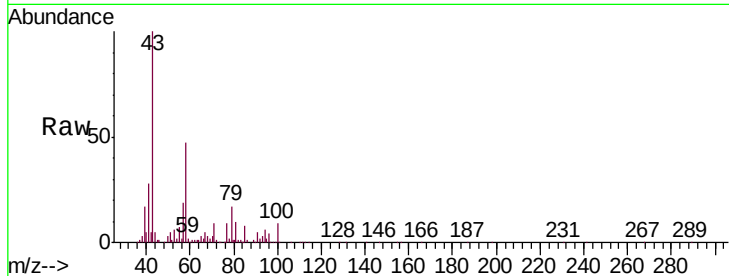




#51
2-Hexanone
Concen: 1.673 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

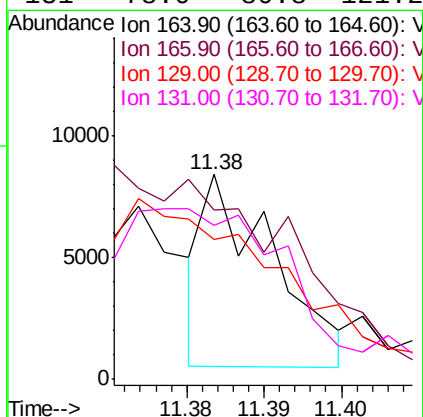
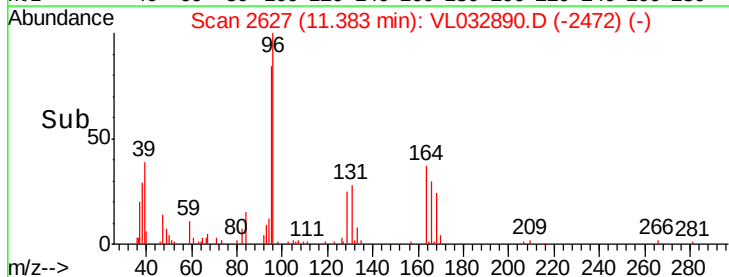
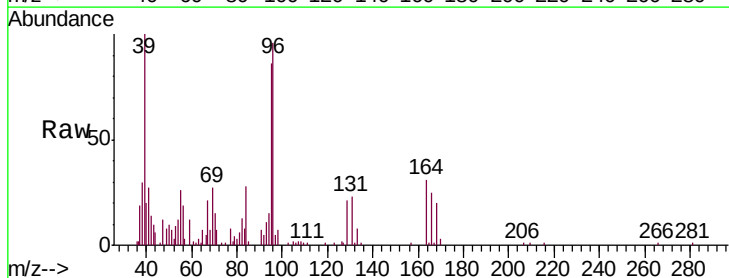
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

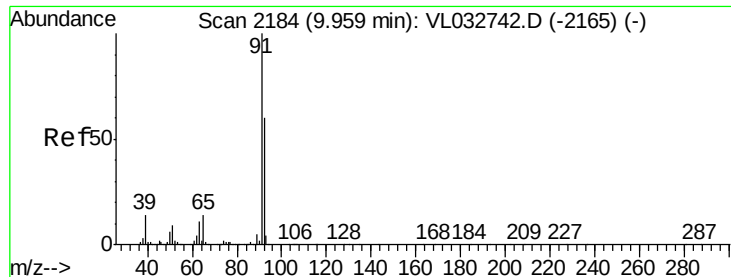
Tgt Ion: 43 Resp: 307214
Ion Ratio Lower Upper
43 100
58 43.0 38.9 58.3
98 3.9 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.051 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

Tgt Ion: 164 Resp: 4956
Ion Ratio Lower Upper
164 100
166 60.3 99.3 148.9#
129 41.8 83.9 125.9#
131 78.0 80.8 121.2#





#53

Toluene

Concen: 12.434 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

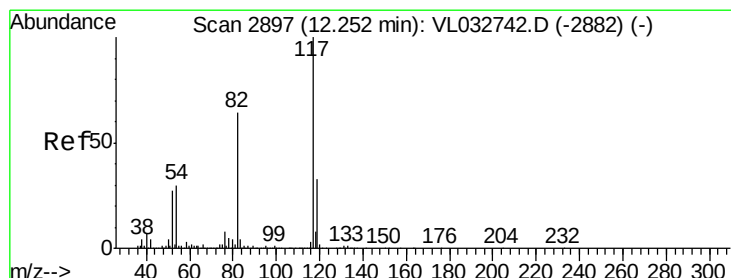
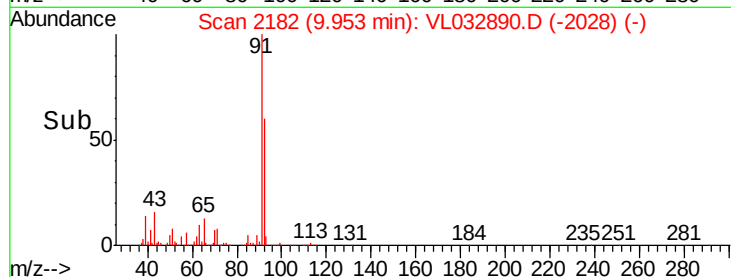
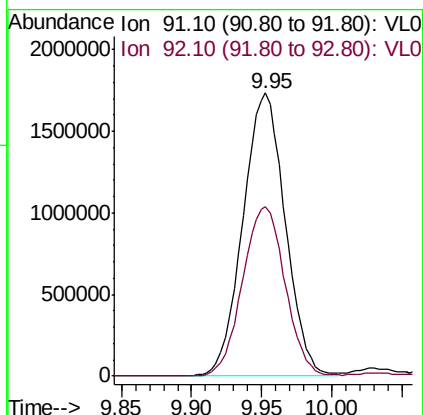
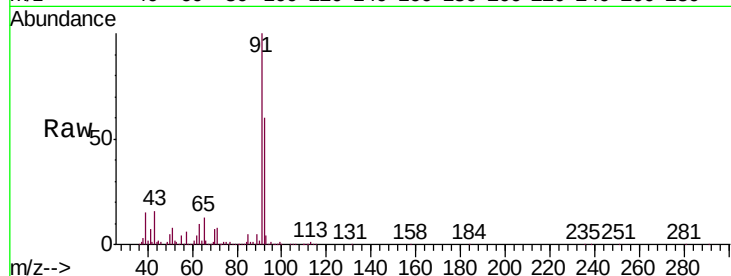
MMSV-07

Tgt Ion: 91 Resp: 3634297

Ion Ratio Lower Upper

91 100

92 60.3 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: VL032890.D

Acq: 5 Dec 2018 00:01

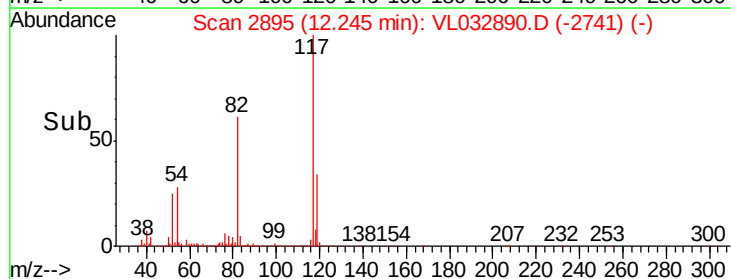
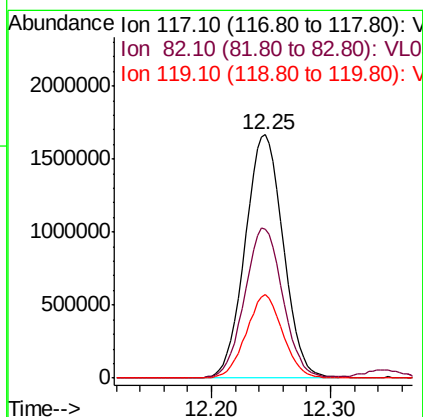
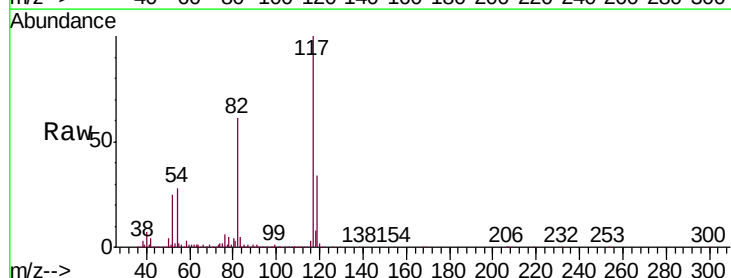
Tgt Ion: 117 Resp: 3696193

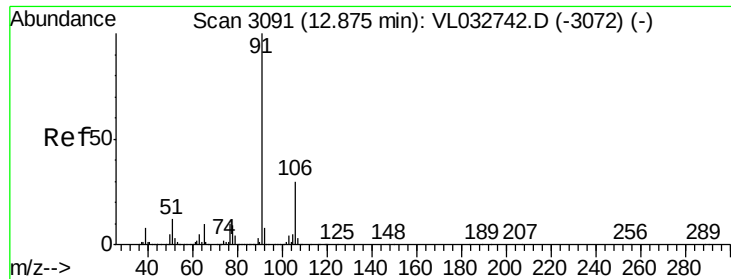
Ion Ratio Lower Upper

117 100

82 61.7 51.0 76.6

119 32.9 28.0 42.0





#58

Ethyl Benzene

Concen: 1.575 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.01 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

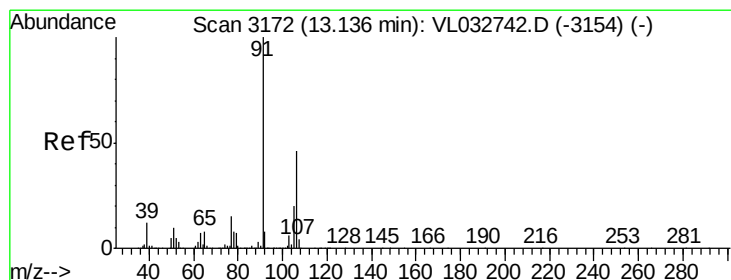
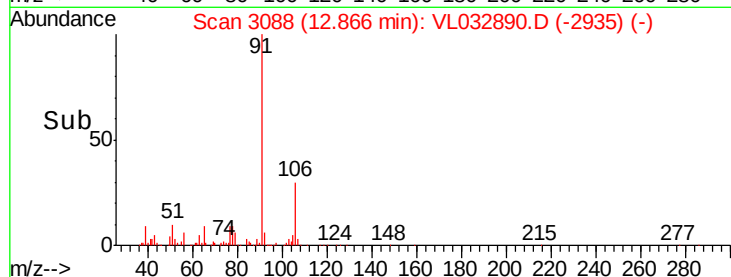
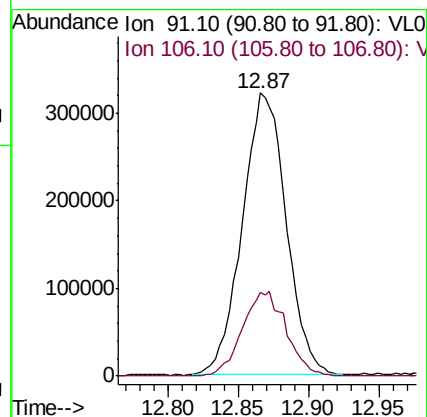
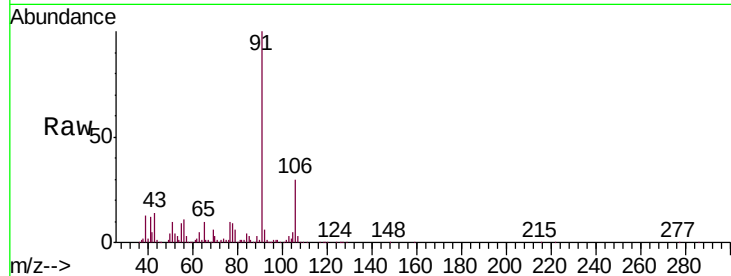
MMSV-07

Tgt Ion: 91 Resp: 700744

Ion Ratio Lower Upper

91 100

106 29.7 23.6 35.4



#59

m/p-Xylene

Concen: 2.013 ppbv

RT: 13.12 min Scan# 3168

Delta R.T. -0.01 min

Lab File: VL032890.D

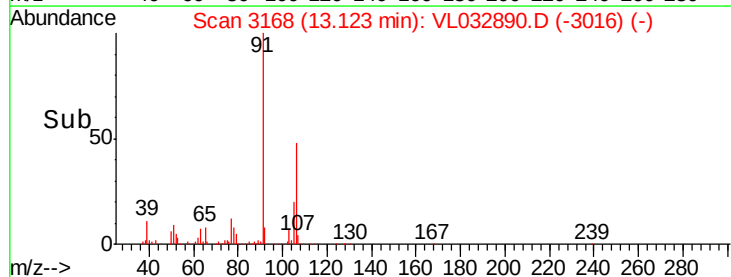
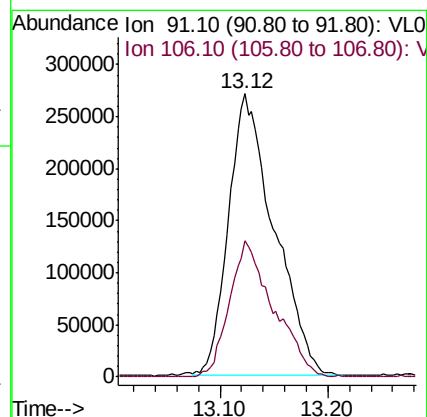
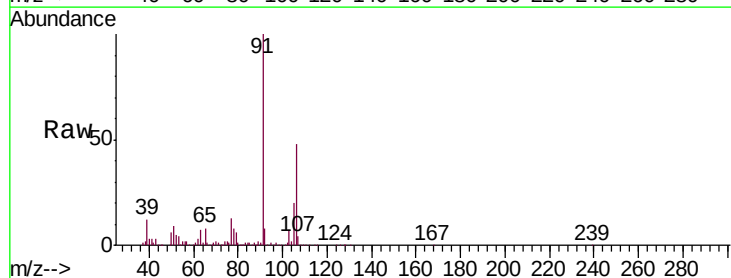
Acq: 5 Dec 2018 00:01

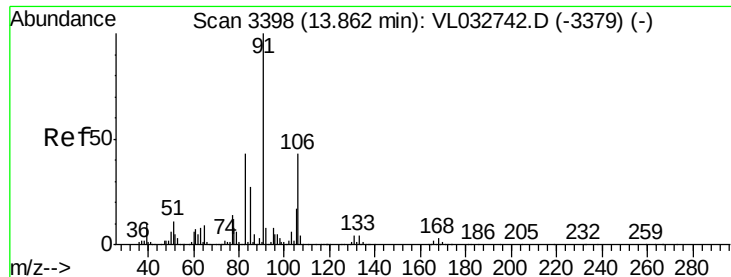
Tgt Ion: 91 Resp: 797144

Ion Ratio Lower Upper

91 100

106 46.7 36.1 54.1

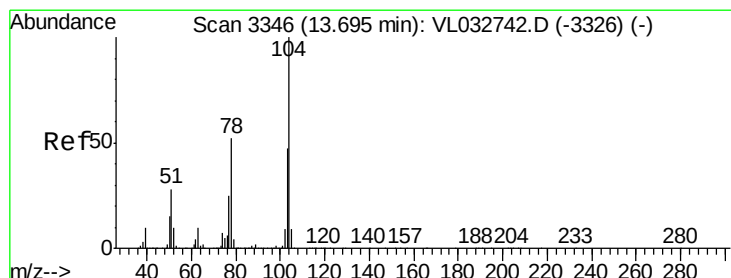
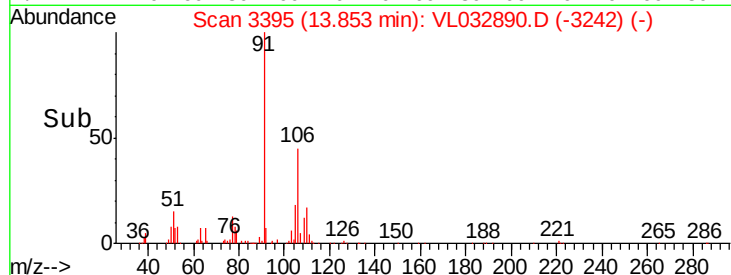
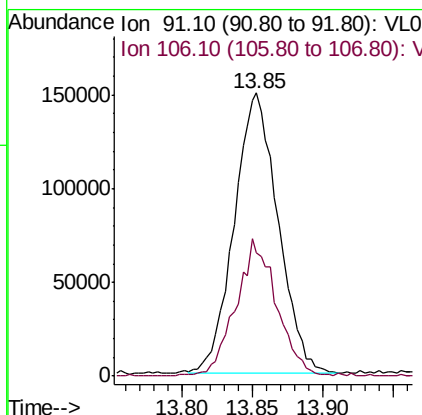
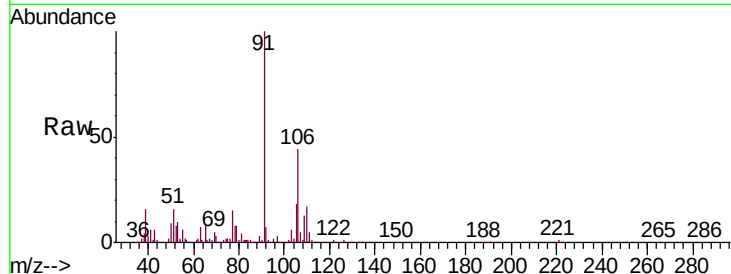




#60
o-Xylene
Concen: 0.820 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

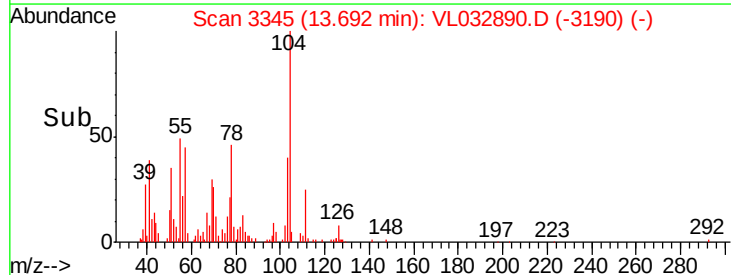
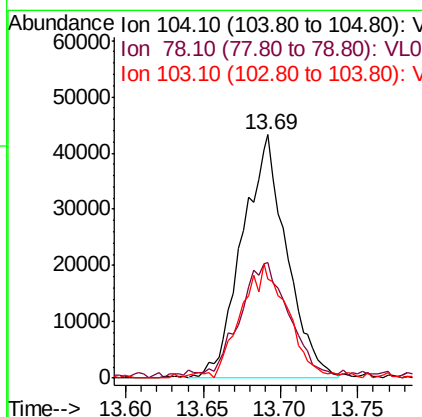
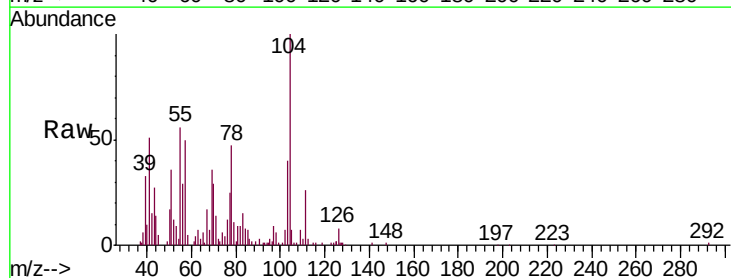
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

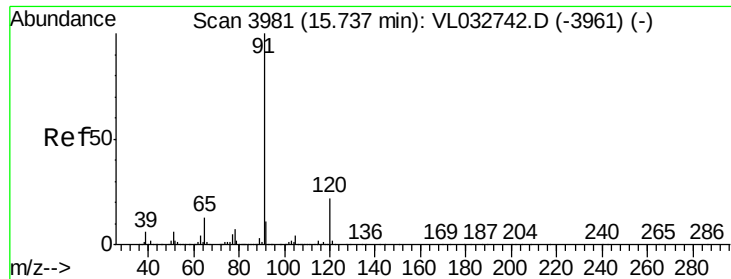
Tgt Ion: 91 Resp: 326386
Ion Ratio Lower Upper
91 100
106 45.5 21.9 65.7



#61
Styrene
Concen: 0.334 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

Tgt Ion: 104 Resp: 86465
Ion Ratio Lower Upper
104 100
78 55.3 42.2 63.4
103 50.0 38.2 57.2

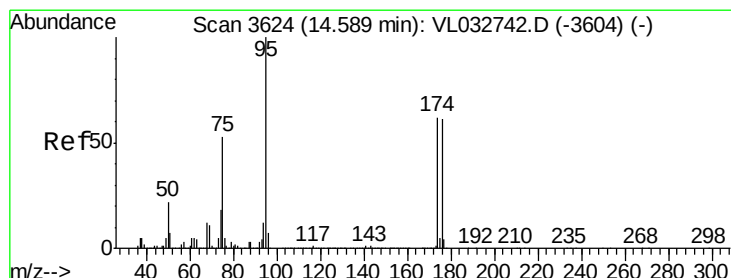
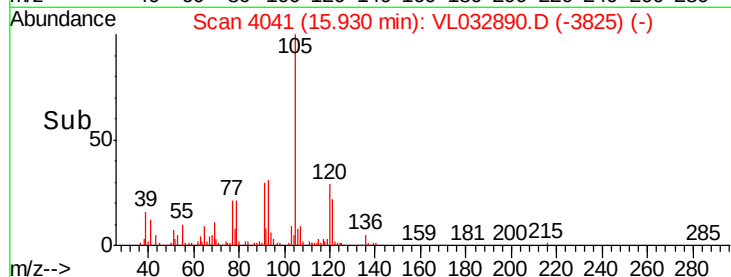
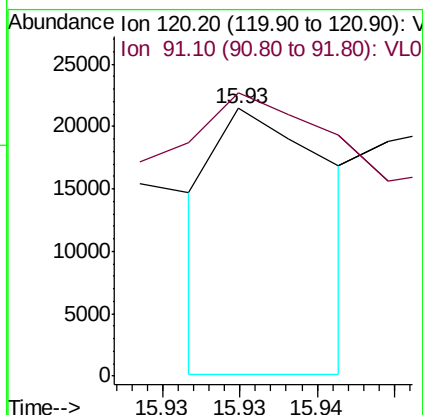
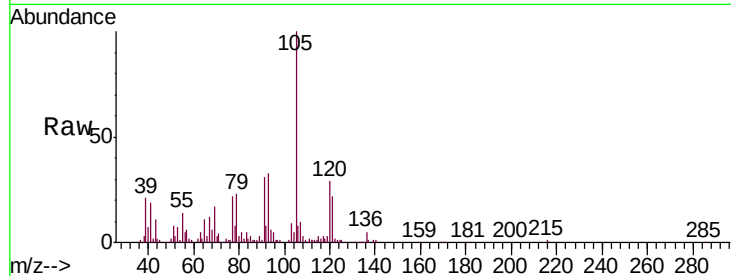




#64
n-propylbenzene
Concen: 0.078 ppbv
RT: 15.93 min Scan# 4041
Delta R.T. 0.19 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

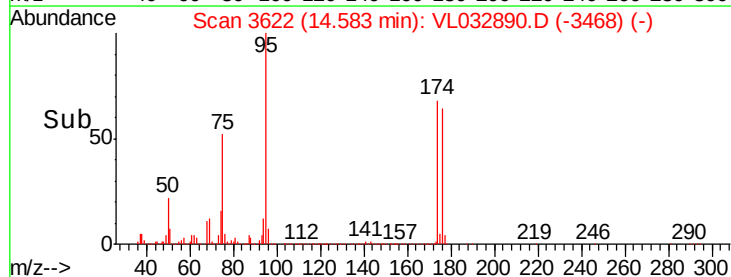
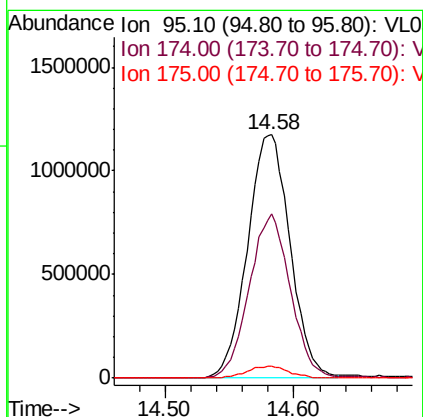
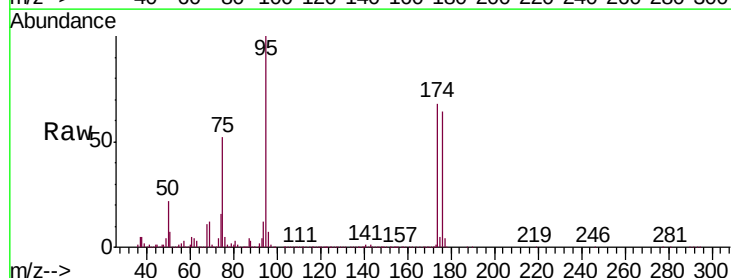
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07

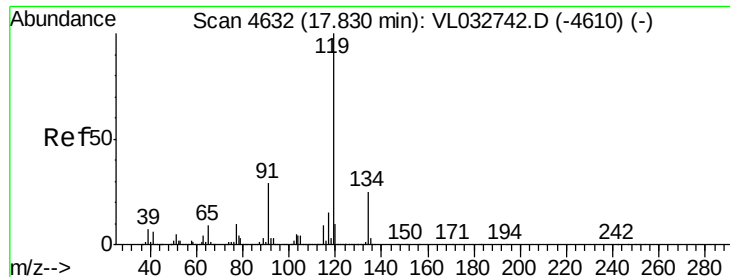
Tgt Ion:120 Resp: 10982
Ion Ratio Lower Upper
120 100
91 408.4 381.7 572.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.751 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032890.D
Acq: 5 Dec 2018 00:01

Tgt Ion: 95 Resp: 2695805
Ion Ratio Lower Upper
95 100
174 66.1 50.7 76.1
175 4.9 3.8 5.6

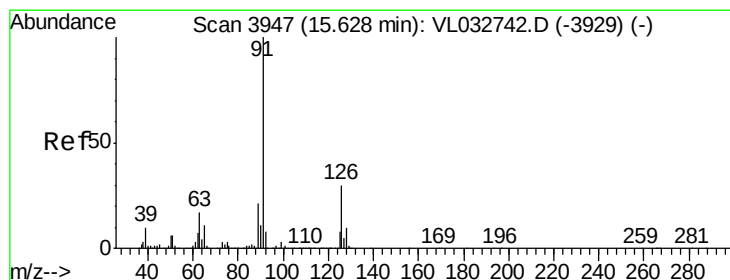
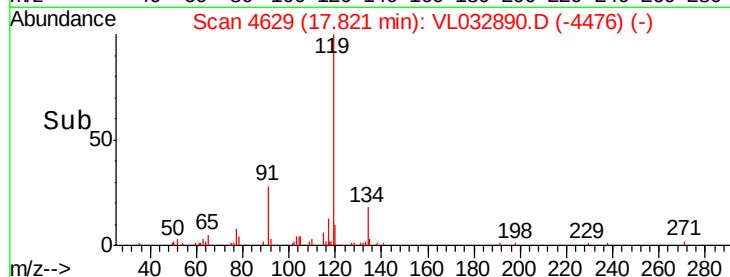
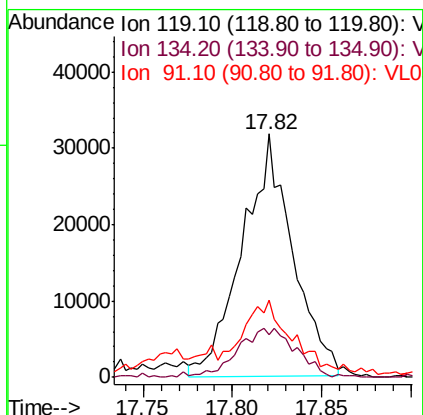
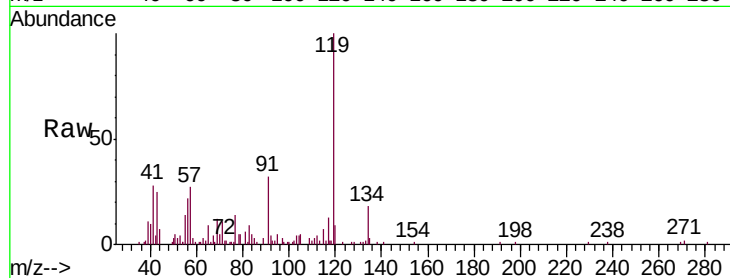




#69
 p-Isopropyltoluene
 Concen: 0.114 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.01 min
 Lab File: VL032890.D
 Acq: 5 Dec 2018 00:01

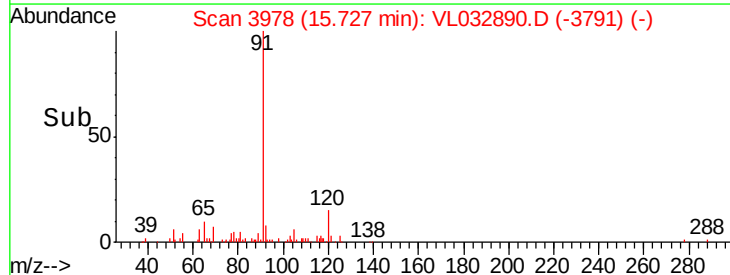
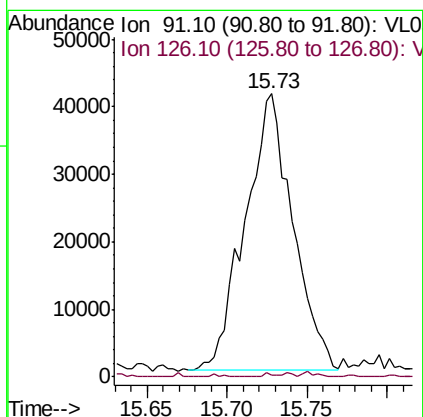
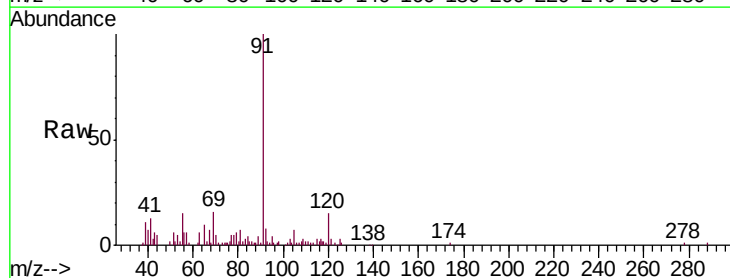
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-07

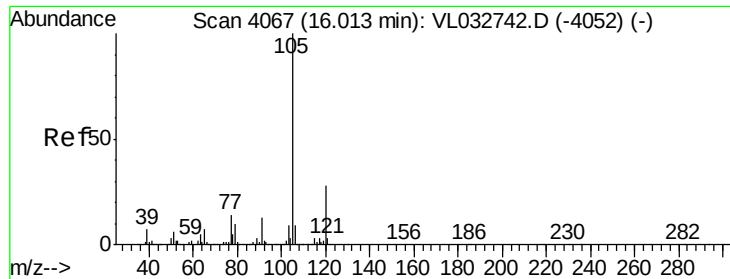
Tgt Ion: 119 Resp: 62760
 Ion Ratio Lower Upper
 119 100
 134 24.0 20.2 30.4
 91 41.2 23.5 35.3#



#71
 2-Chlorotoluene
 Concen: 0.209 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. 0.10 min
 Lab File: VL032890.D
 Acq: 5 Dec 2018 00:01

Tgt Ion: 91 Resp: 84047
 Ion Ratio Lower Upper
 91 100
 126 1.2 12.1 48.5#





#72

4-Ethyltoluene

Concen: 0.092 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.01 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

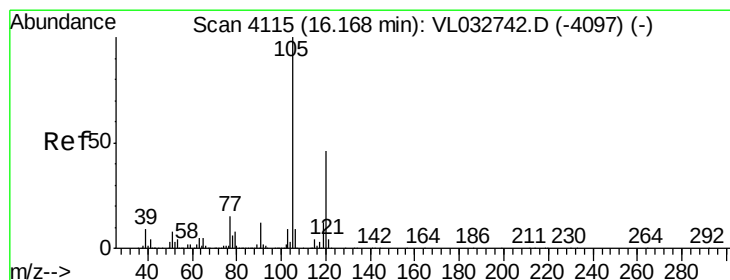
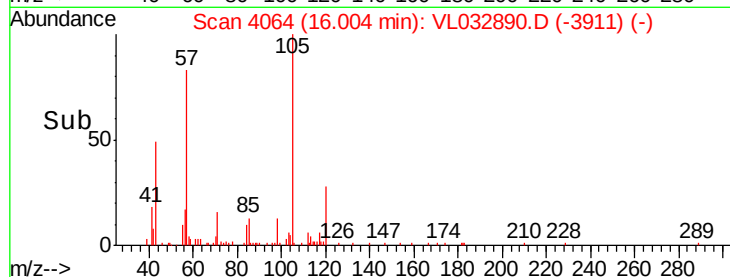
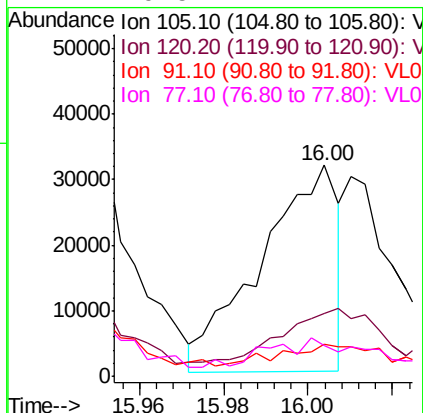
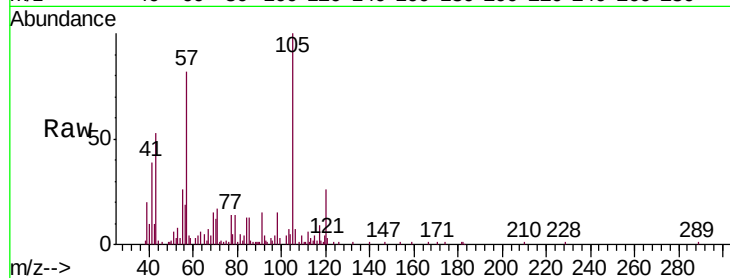
Instrument :

MSVOA_L

ClientSampleId :

MMSV-07

Tgt Ion:	105	Resp:	40047
Ion Ratio	Lower	Upper	
105	100		
120	0.0	22.9	34.3#
91	24.6	10.6	15.8#
77	29.5	11.4	17.2#



#73

1,3,5-Trimethylbenzene

Concen: 0.137 ppbv

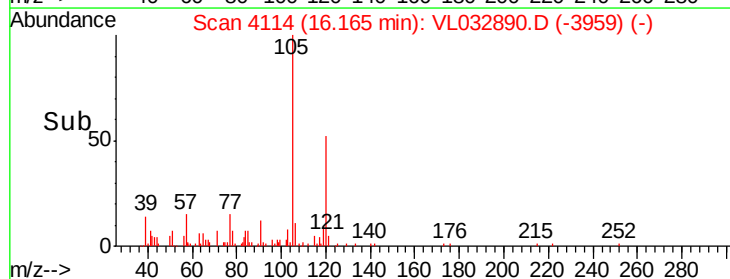
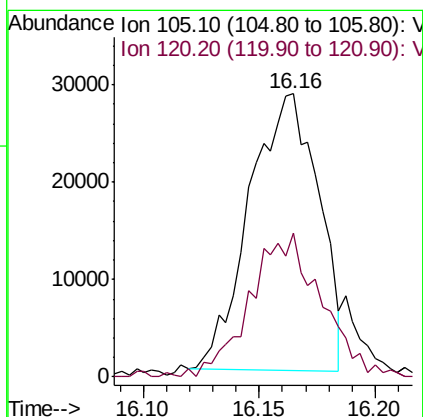
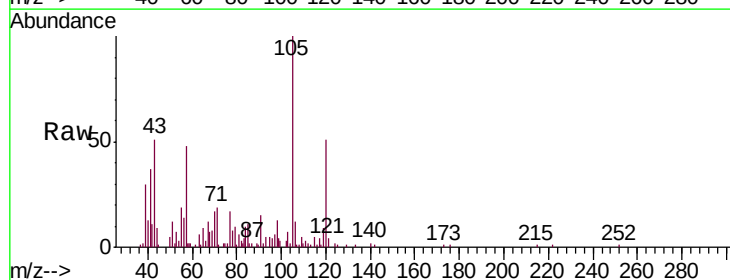
RT: 16.16 min Scan# 4114

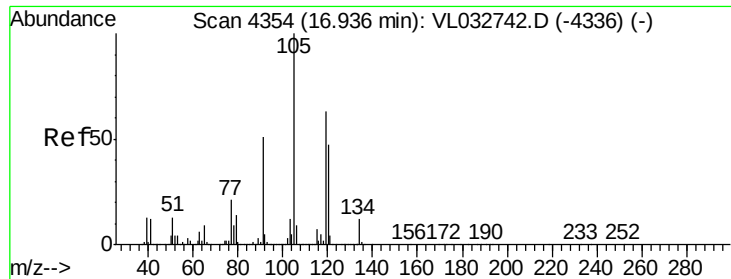
Delta R.T. -0.00 min

Lab File: VL032890.D

Acq: 5 Dec 2018 00:01

Tgt Ion:	105	Resp:	58639
Ion Ratio	Lower	Upper	
105	100		
120	49.3	36.6	55.0





#74

1,2,4-Trimethylbenzene

Concen: 0.344 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL032890.D

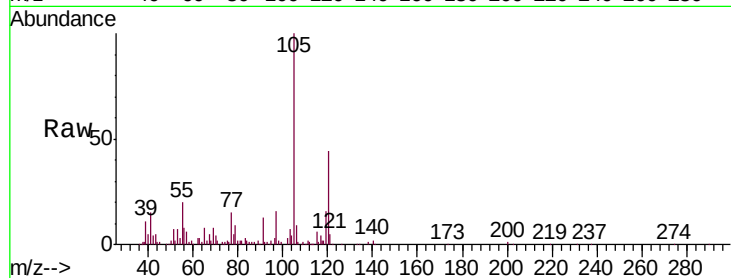
Acq: 5 Dec 2018 00:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07



Tgt Ion:105 Resp: 157097

Ion Ratio Lower Upper

105 100

120 44.0 37.6 56.4

91 11.7 42.5 63.7#

77 13.5 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

