

Data File : VL032886.D

Acq On : 4 Dec 2018 21:23

Operator : SY/AP

Sample : J6175-05

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUP

Quant Time: Dec 05 05:50:12 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	1397601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3560148	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3681283	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2575326	9.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%

Target Compounds

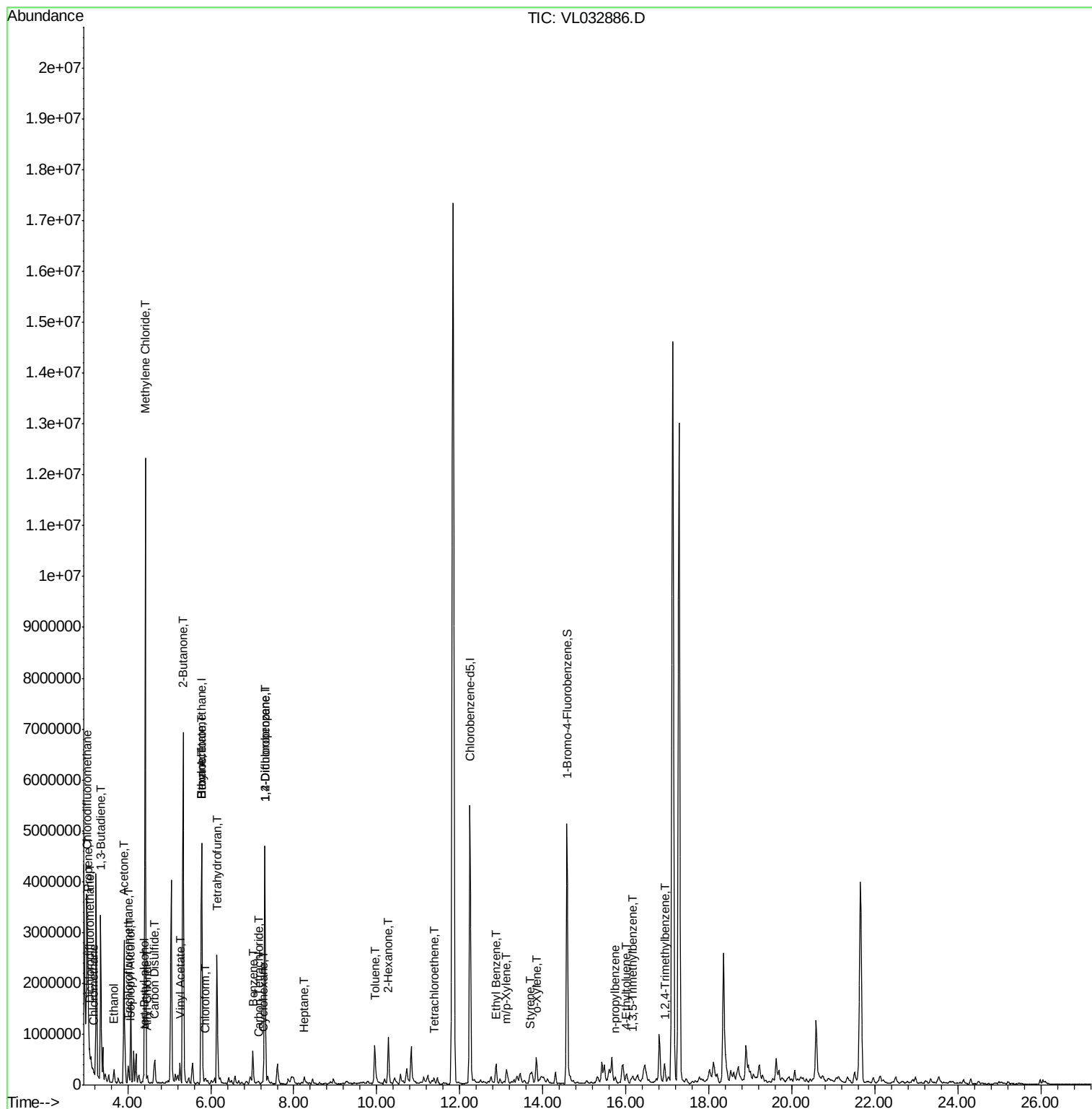
						Qvalue
2) Dichlorodifluoromethane	3.08	85	124411	0.619	ppbv	100
3) Chlorodifluoromethane	3.02	51	2538127	22.907	ppbv	96
4) Chloromethane	3.18	50	4764	0.078	ppbv #	84
9) Propene	3.04	41	796172	17.956	ppbv	97
10) Heptane	8.25	43	51221	0.303	ppbv	95
11) Trichlorofluoromethane	4.01	101	213311	1.127	ppbv	96
13) Ethanol	3.67	45	287600	19.802	ppbv	97
15) Acetone	3.91	43	2563369	20.084	ppbv #	79
16) 1,3-Butadiene	3.35	39	845797	17.112	ppbv #	16
17) tert-Butyl alcohol	4.38	59	38268	0.956	ppbv #	89
19) Isopropyl Alcohol	4.05	45	18617	0.219	ppbv #	95
20) Methylene Chloride	4.42	84	3484822	52.741	ppbv	99
21) Allyl Chloride	4.47	41	10813	0.101	ppbv #	1
23) Vinyl Acetate	5.26	43	92507	0.398	ppbv #	1
25) Ethyl Acetate	5.79	43	694473	2.335	ppbv #	78
26) Hexane	5.79	57	994036	7.507	ppbv #	43
27) Carbon Disulfide	4.63	76	237623	1.415	ppbv #	84
29) Chloroform	5.86	83	18966	0.080	ppbv	91
30) Cyclohexane	7.26	84	3869	0.033	ppbv #	1
34) 2-Butanone	5.33	43	8103399	43.885	ppbv	97
35) Carbon Tetrachloride	7.14	117	9241	0.032	ppbv #	86
36) Benzene	7.01	78	519447	1.832	ppbv	97
39) 1,2-Dichloropropane	7.30	63	818920	7.582	ppbv #	24
41) Tetrahydrofuran	6.15	42	1408218	13.295	ppbv	99
51) 2-Hexanone	10.27	43	758128	4.080	ppbv #	98
52) Tetrachloroethene	11.38	164	18947	0.192	ppbv	96
53) Toluene	9.95	91	552645	1.869	ppbv	100
58) Ethyl Benzene	12.87	91	131976	0.298	ppbv	98
59) m/p-Xylene	13.13	91	175165	0.444	ppbv #	31
60) o-Xylene	13.86	91	154672	0.390	ppbv	98
61) Styrene	13.69	104	55226	0.214	ppbv	98
64) n-propylbenzene	15.72	120	4344	0.031	ppbv #	1
72) 4-Ethyltoluene	16.01	105	68228	0.157	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.16	105	40046	0.094	ppbv	94
74) 1,2,4-Trimethylbenzene	16.93	105	206658	0.454	ppbv #	69

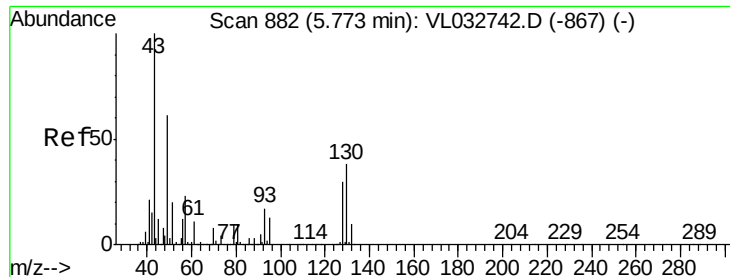
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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MMSV-DUP

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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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

MMSV-DUP

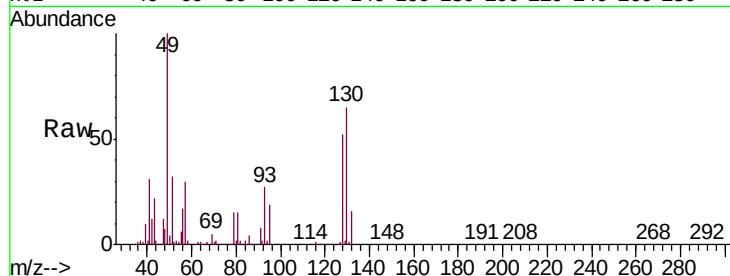
Tgt Ion: 49 Resp: 1397601

Ion Ratio Lower Upper

49 100

128 52.0 24.9 74.6

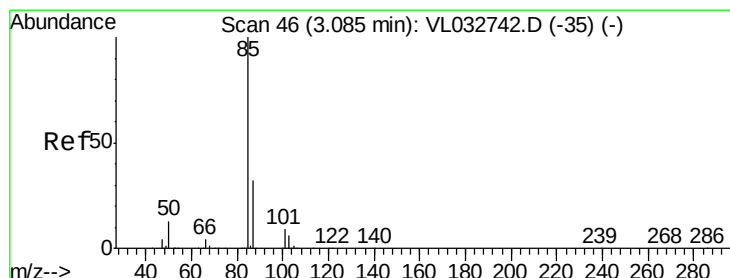
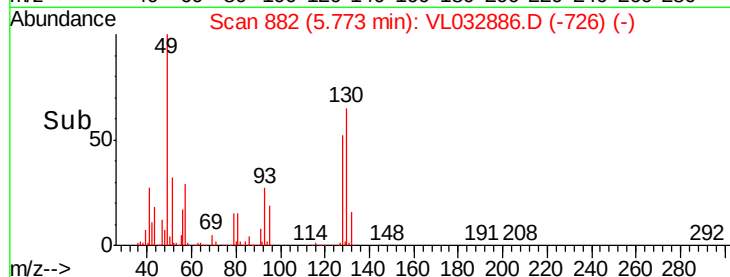
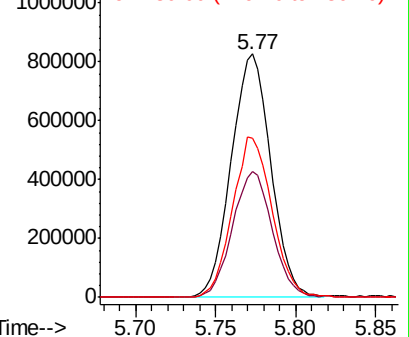
130 66.1 31.4 94.2



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: 0.619 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.01 min

Lab File: VL032886.D

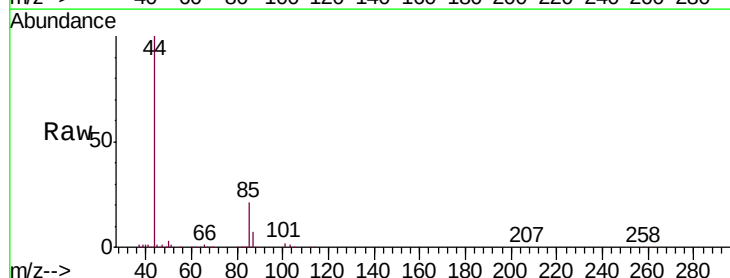
Acq: 4 Dec 2018 21:23

Tgt Ion: 85 Resp: 124411

Ion Ratio Lower Upper

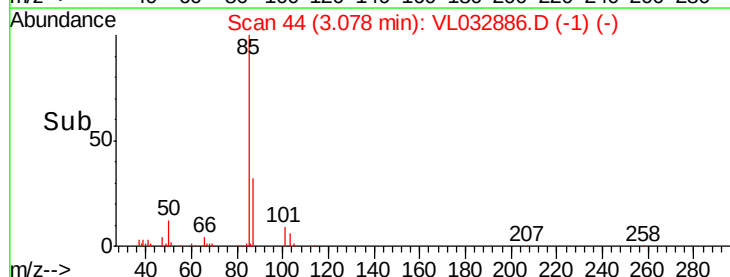
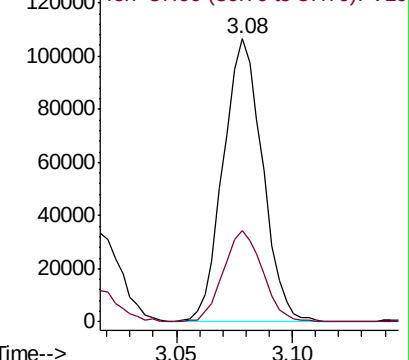
85 100

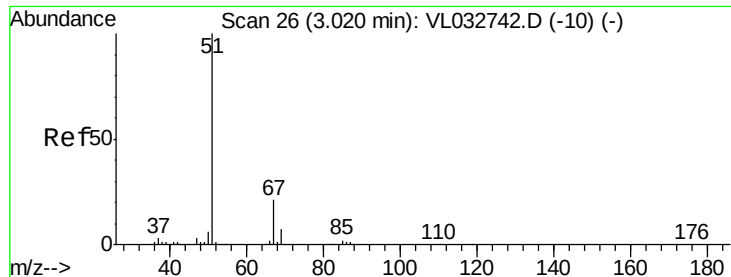
87 32.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 22.907 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

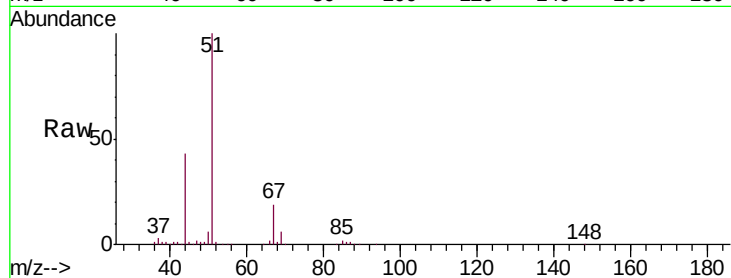
MMSV-DUP

Tgt Ion: 51 Resp: 2538127

Ion Ratio Lower Upper

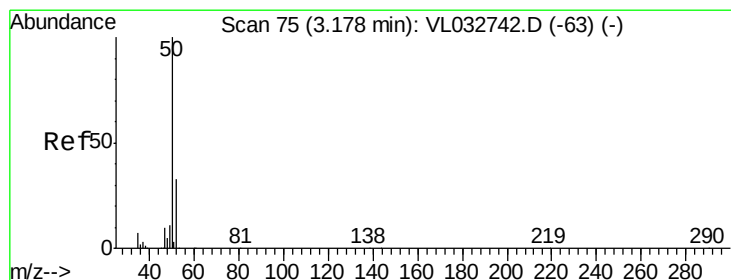
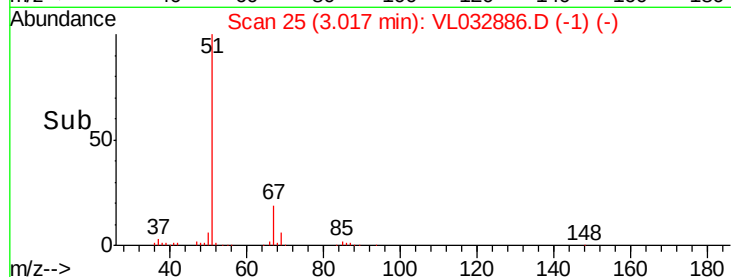
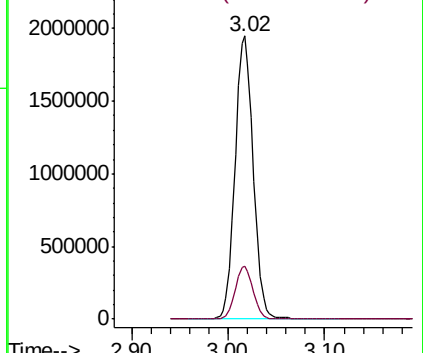
51 100

67 18.5 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.078 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032886.D

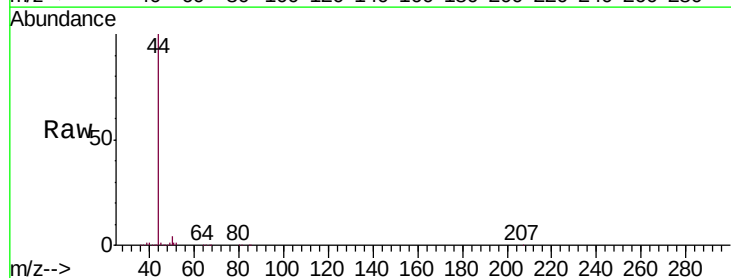
Acq: 4 Dec 2018 21:23

Tgt Ion: 50 Resp: 4764

Ion Ratio Lower Upper

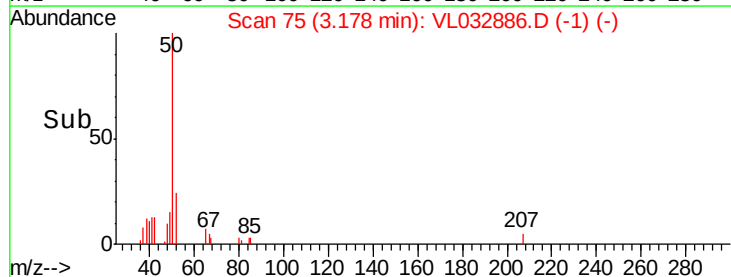
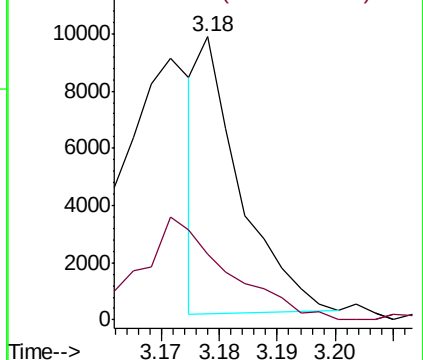
50 100

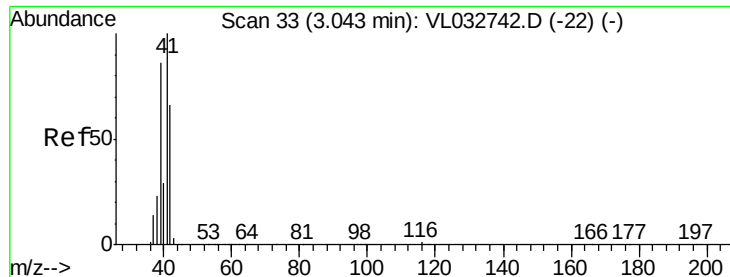
52 24.0 26.6 40.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 17.956 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

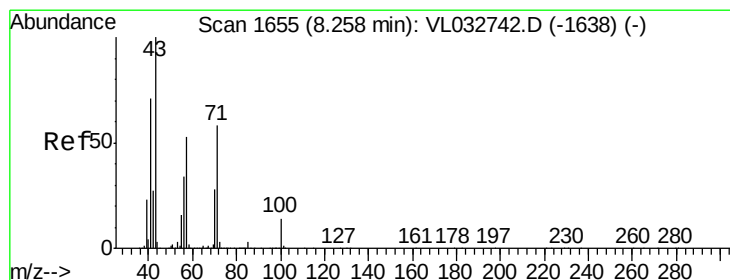
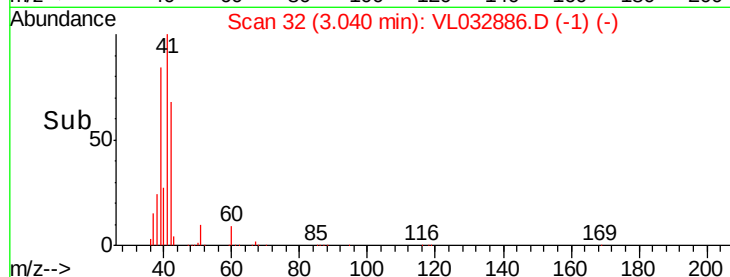
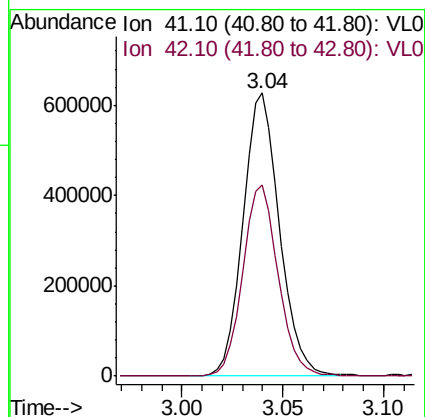
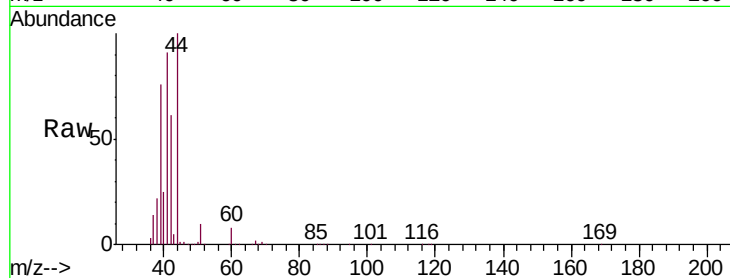
MMSV-DUP

Tgt Ion: 41 Resp: 796172

Ion Ratio Lower Upper

41 100

42 66.0 55.0 82.6



#10

Heptane

Concen: 0.303 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL032886.D

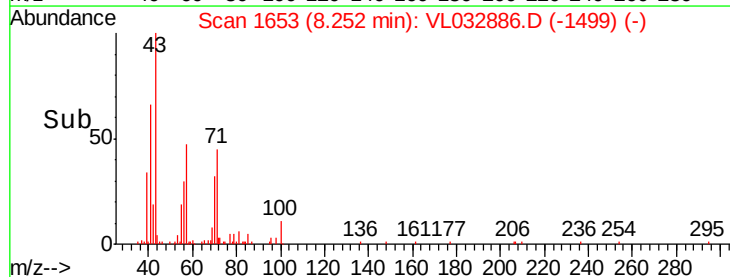
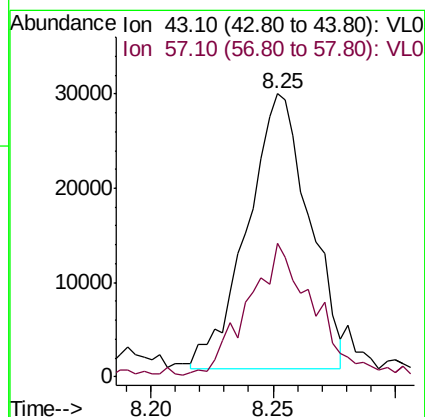
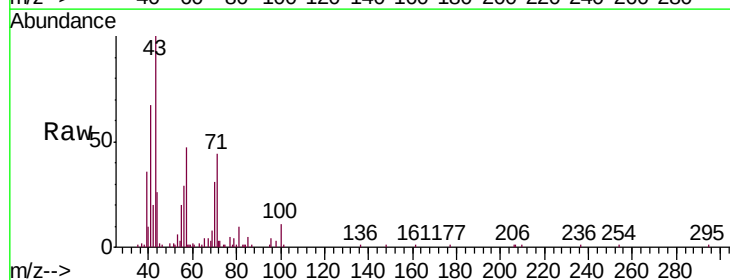
Acq: 4 Dec 2018 21:23

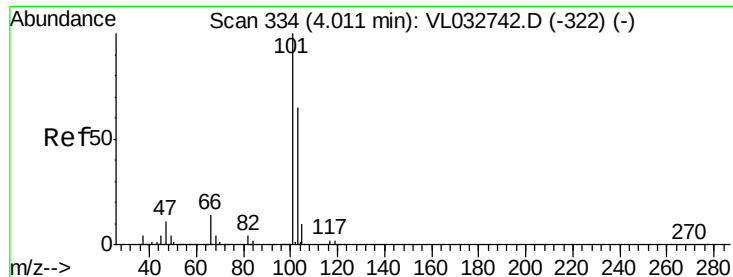
Tgt Ion: 43 Resp: 51221

Ion Ratio Lower Upper

43 100

57 55.5 41.8 62.8

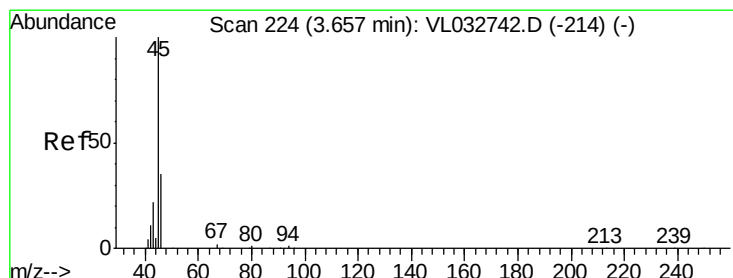
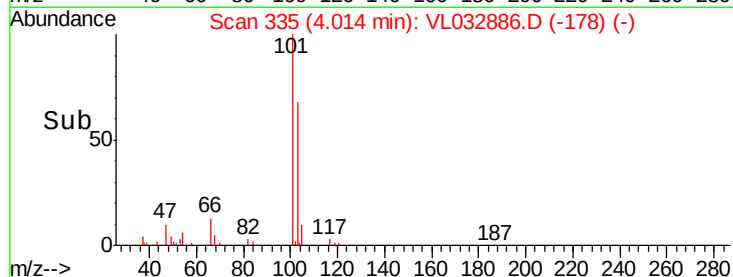
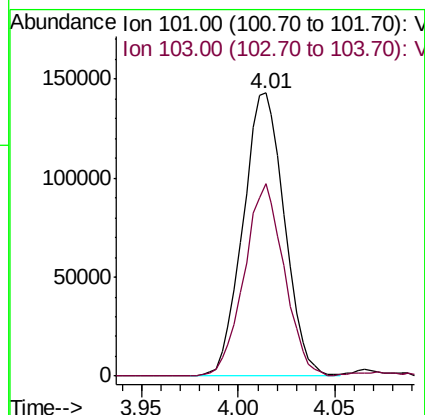
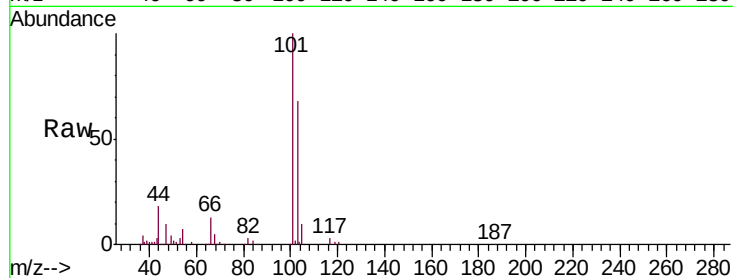




#11
 Trichlorofluoromethane
 Concen: 1.127 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VL032886.D
 Acq: 4 Dec 2018 21:23

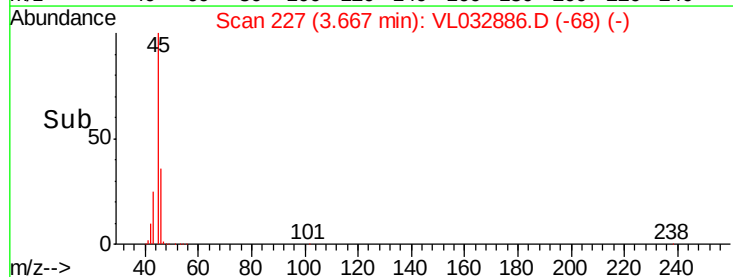
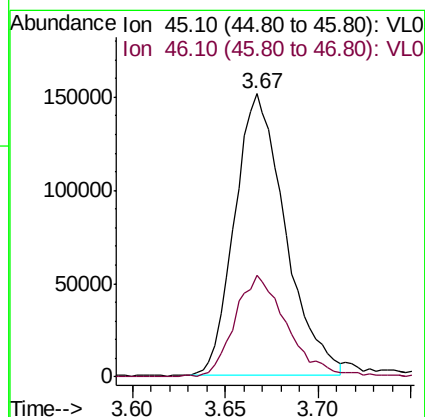
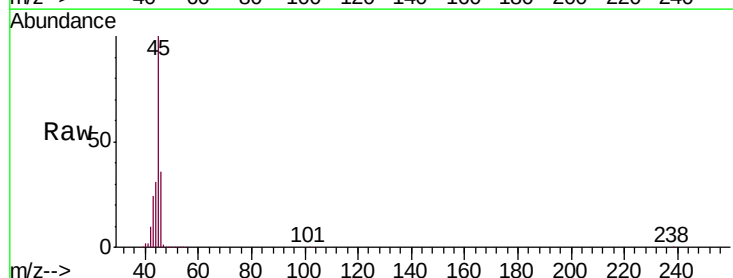
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-DUP

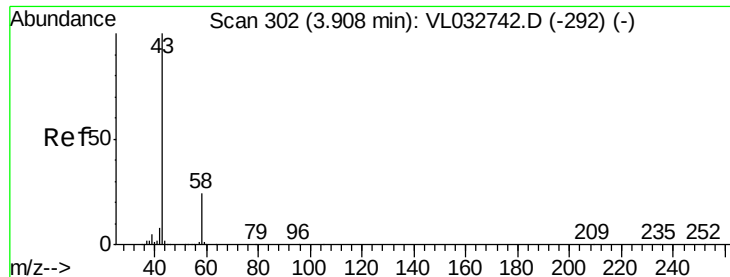
Tgt Ion:101 Resp: 213311
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.6 77.4



#13
 Ethanol
 Concen: 19.802 ppbv
 RT: 3.67 min Scan# 227
 Delta R.T. 0.01 min
 Lab File: VL032886.D
 Acq: 4 Dec 2018 21:23

Tgt Ion: 45 Resp: 287600
 Ion Ratio Lower Upper
 45 100
 46 38.0 14.5 57.9





#15

Acetone

Concen: 20.084 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

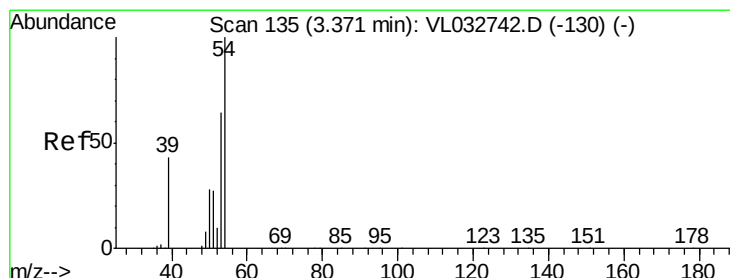
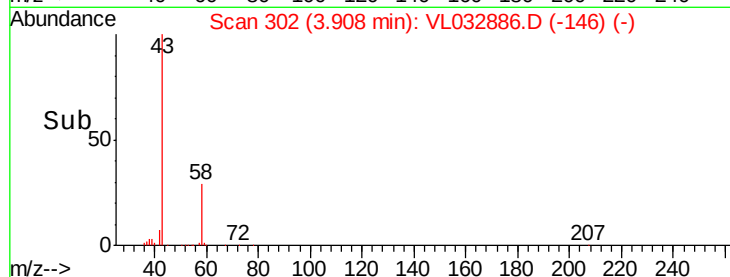
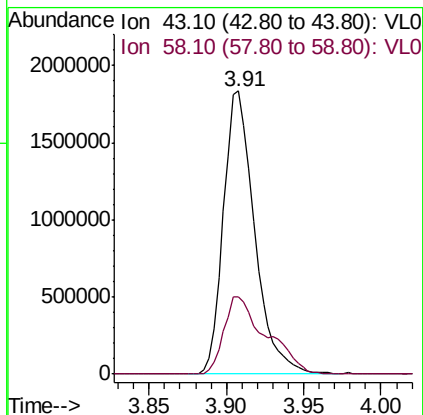
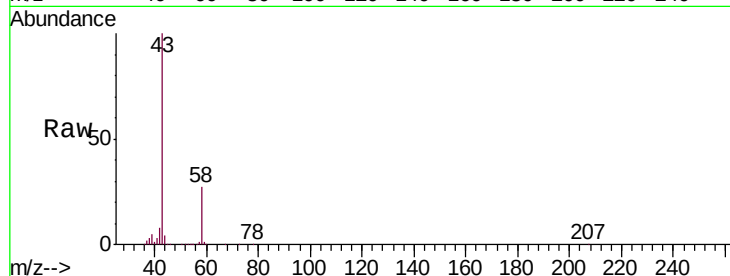
MMSV-DUP

Tgt Ion: 43 Resp: 2563369

Ion Ratio Lower Upper

43 100

58 37.3 21.1 31.7#



#16

1,3-Butadiene

Concen: 17.112 ppbv

RT: 3.35 min Scan# 128

Delta R.T. -0.02 min

Lab File: VL032886.D

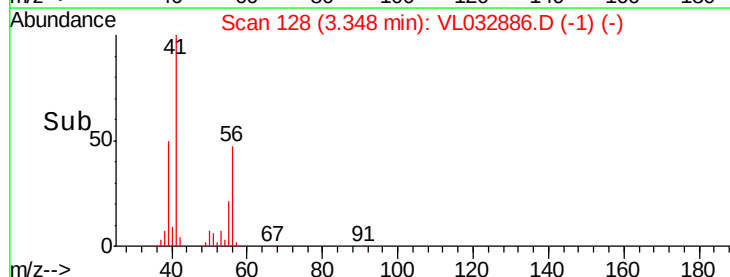
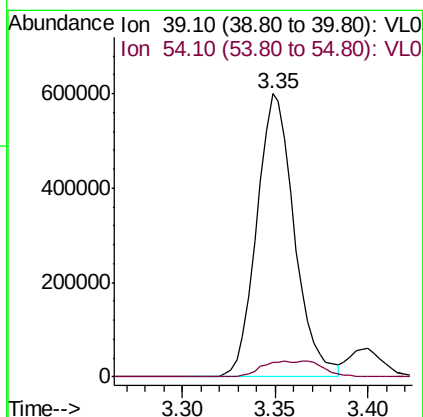
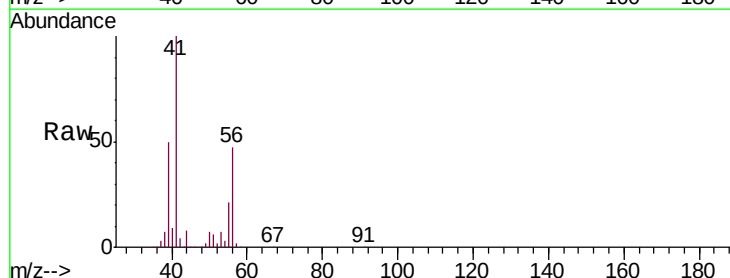
Acq: 4 Dec 2018 21:23

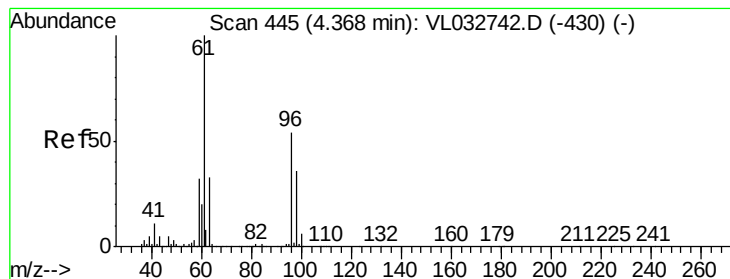
Tgt Ion: 39 Resp: 845797

Ion Ratio Lower Upper

39 100

54 9.3 68.9 103.3#





#17

tert-Butyl alcohol

Concen: 0.956 ppbv

RT: 4.38 min Scan# 449

Delta R.T. 0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

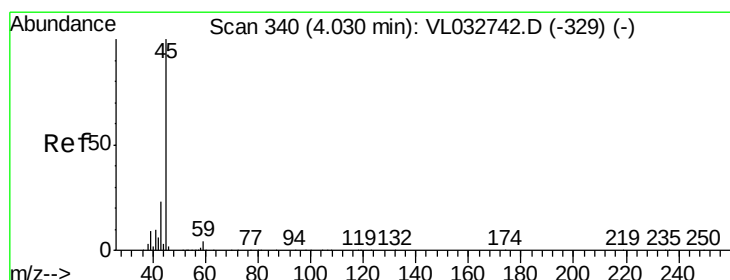
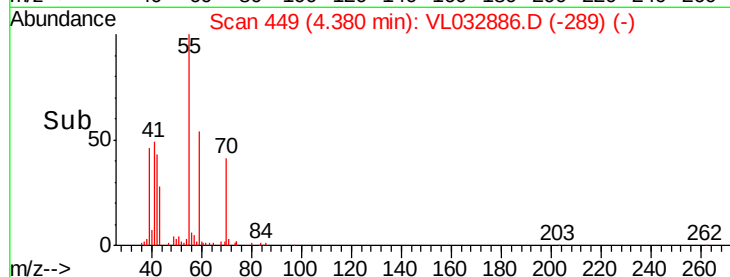
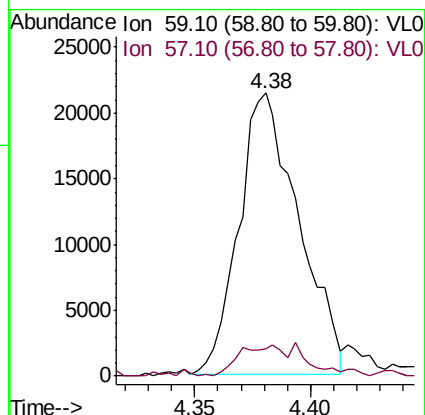
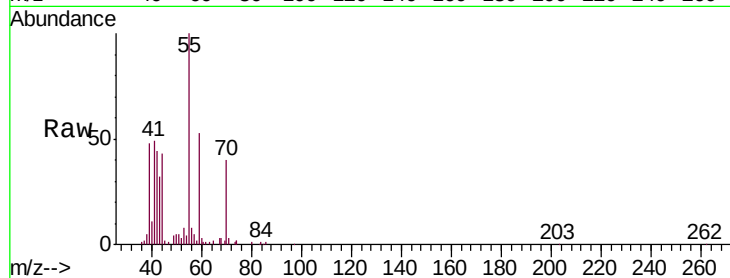
MMSV-DUP

Tgt Ion: 59 Resp: 38268

Ion Ratio Lower Upper

59 100

57 13.8 7.8 11.8#



#19

Isopropyl Alcohol

Concen: 0.219 ppbv

RT: 4.05 min Scan# 345

Delta R.T. 0.02 min

Lab File: VL032886.D

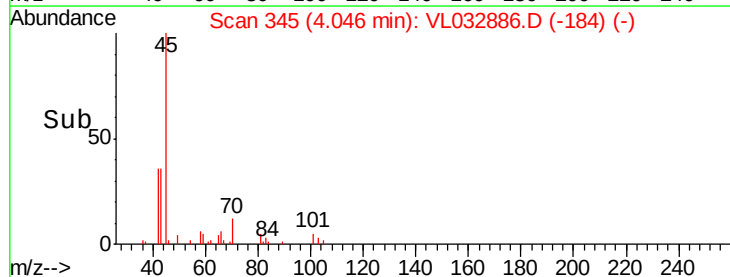
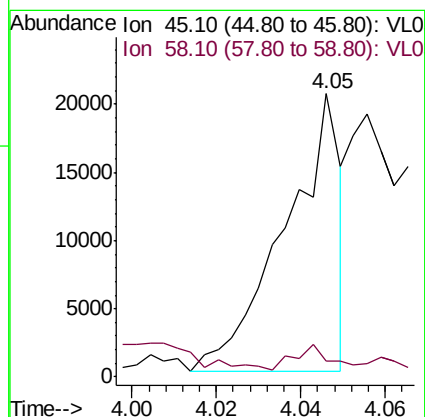
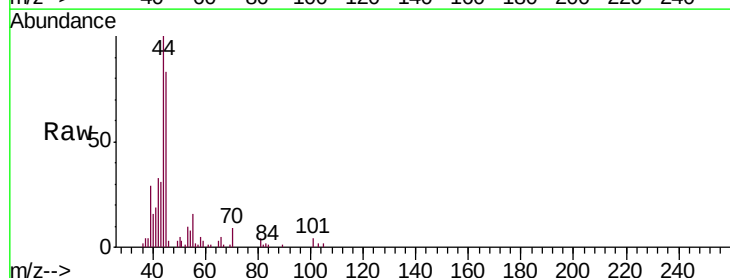
Acq: 4 Dec 2018 21:23

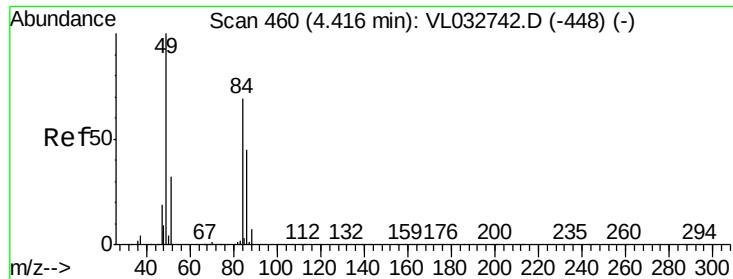
Tgt Ion: 45 Resp: 18617

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



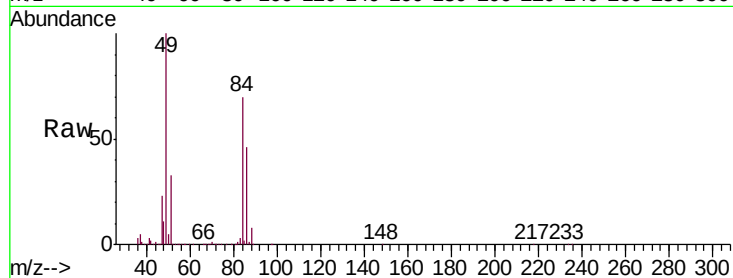


#20
Methylene Chloride
Concen: 52.741 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

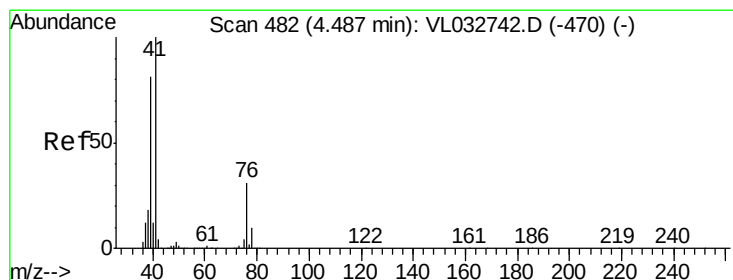
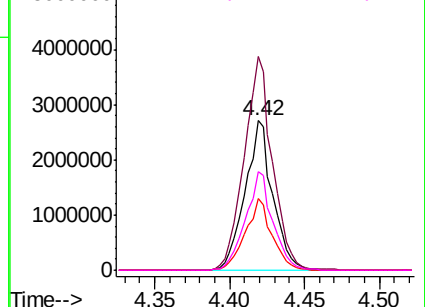
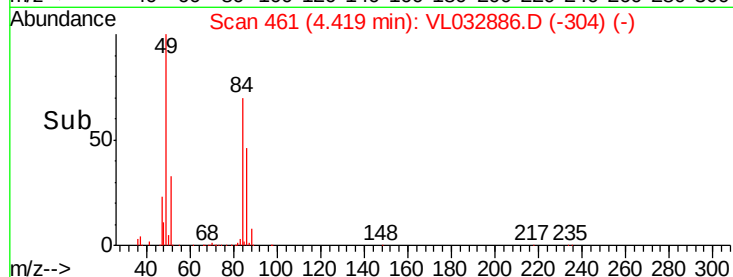
Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUP

Tgt Ion: 84 Resp: 3484822

Ion	Ratio	Lower	Upper
84	100		
49	143.0	115.8	173.6
51	47.6	36.9	55.3
86	65.9	52.4	78.6



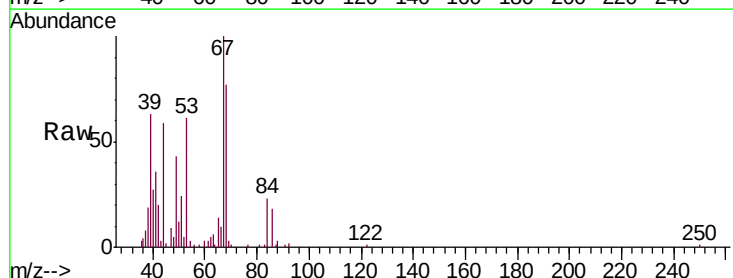
Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0



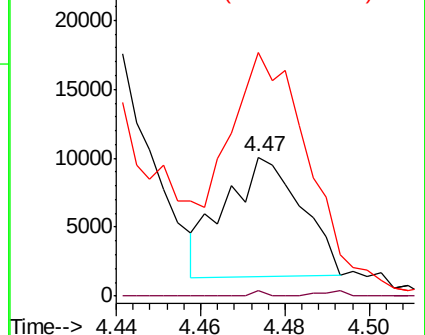
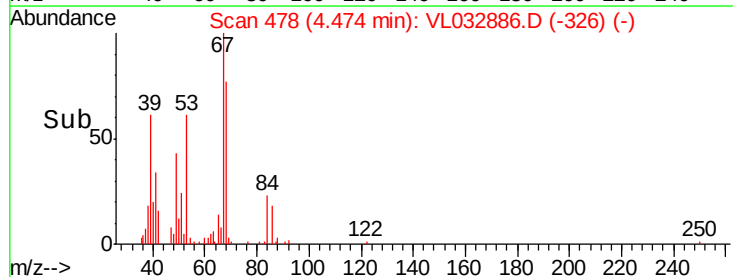
#21
Allyl Chloride
Concen: 0.101 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

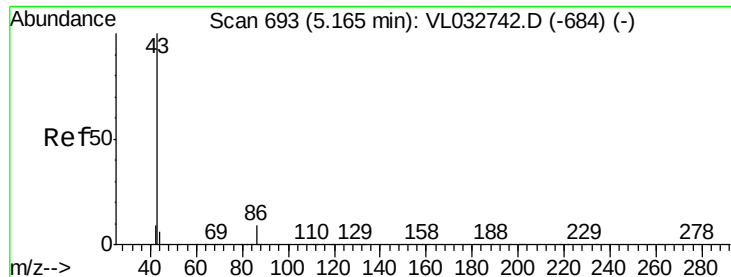
Tgt Ion: 41 Resp: 10813

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	218.6	63.5	95.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.398 ppbv

RT: 5.26 min Scan# 722

Delta R.T. 0.09 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

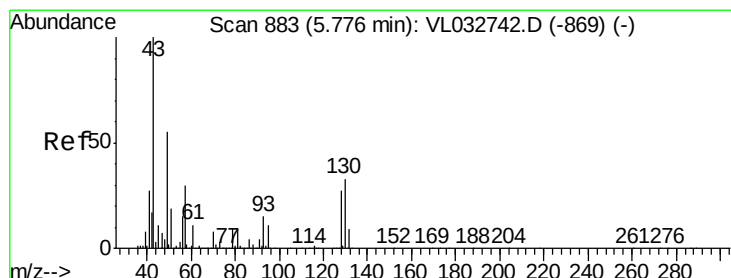
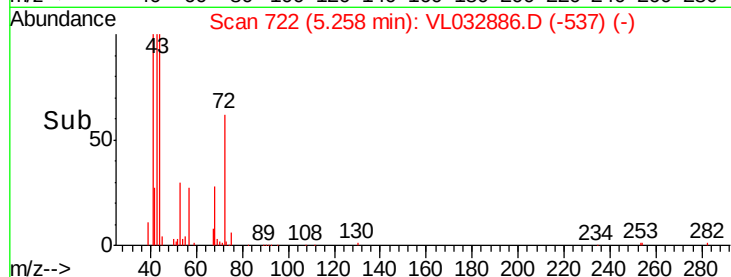
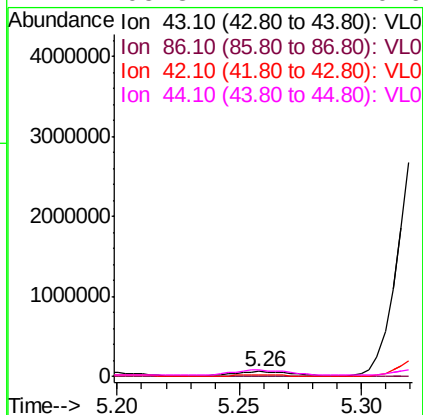
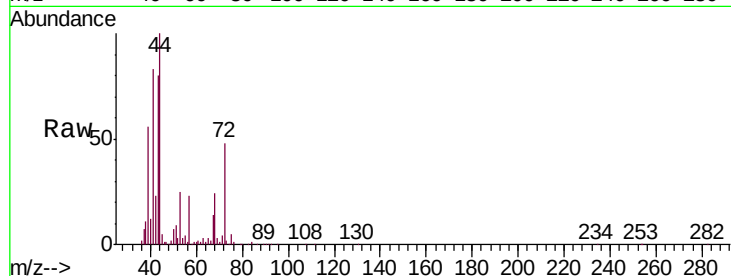
Instrument :

MSVOA_L

ClientSampleId :

MMSV-DUP

Tgt Ion:	43	Resp:	92507
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#
42	28.3	7.8	11.6#
44	105.3	4.4	6.6#



#25

Ethyl Acetate

Concen: 2.335 ppbv

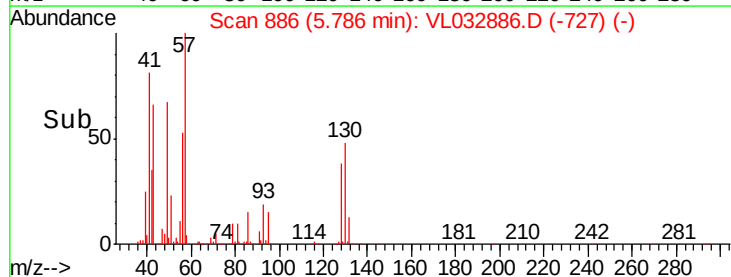
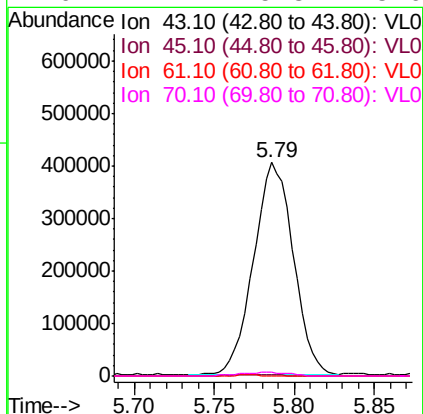
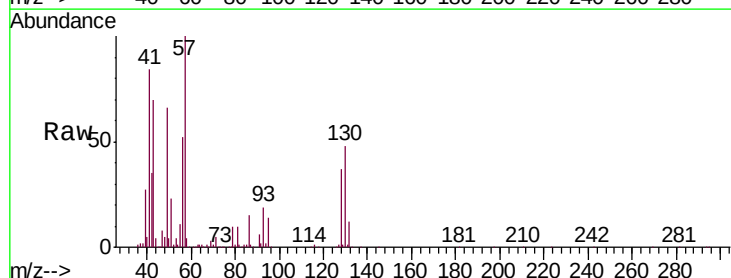
RT: 5.79 min Scan# 886

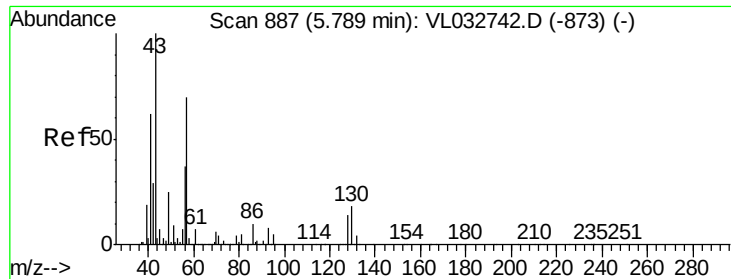
Delta R.T. 0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Tgt Ion:	43	Resp:	694473
Ion	Ratio	Lower	Upper
43	100		
45	0.9	7.9	11.9#
61	0.5	7.8	11.6#
70	2.1	5.8	8.6#

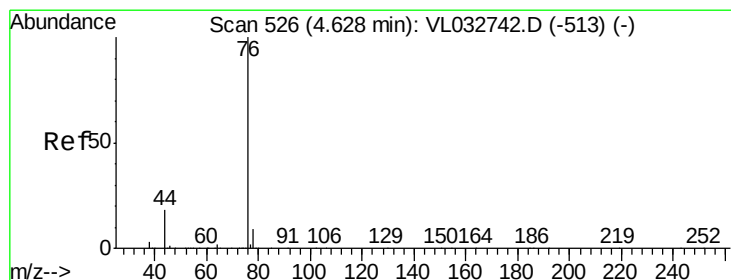
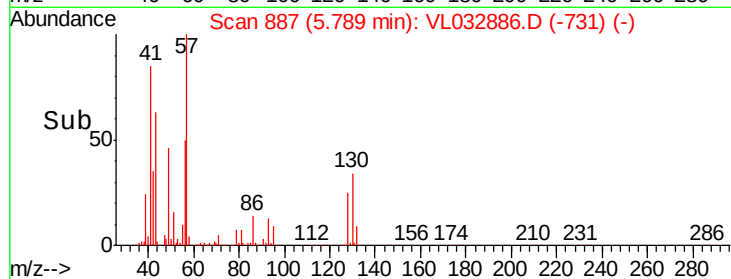
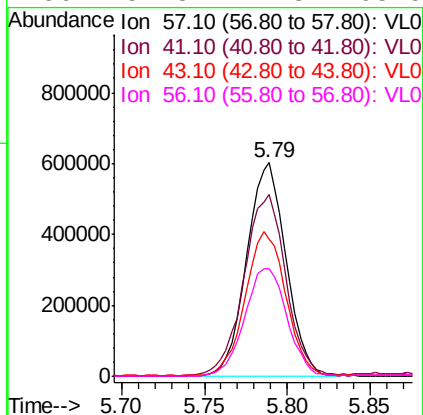
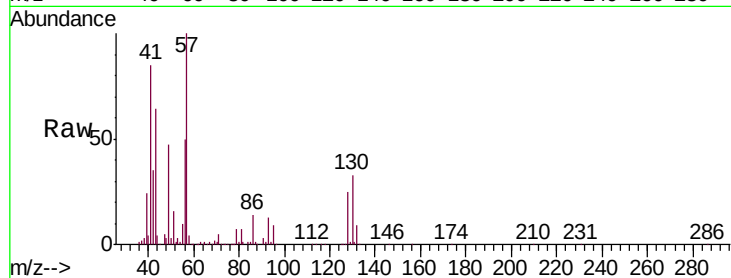




#26
Hexane
Concen: 7.507 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

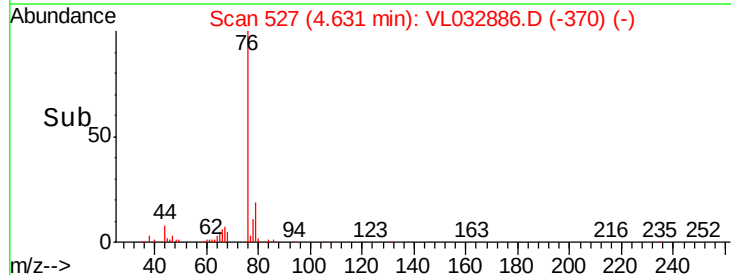
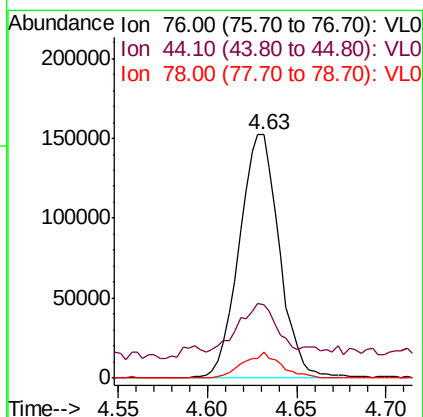
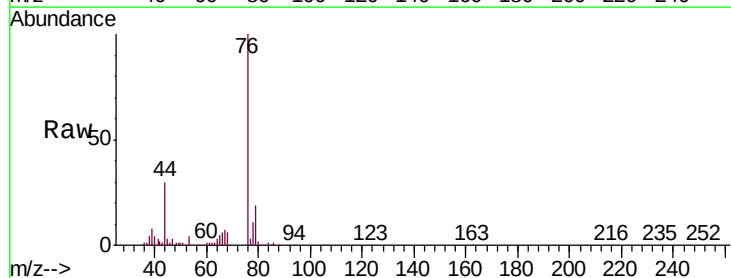
Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUP

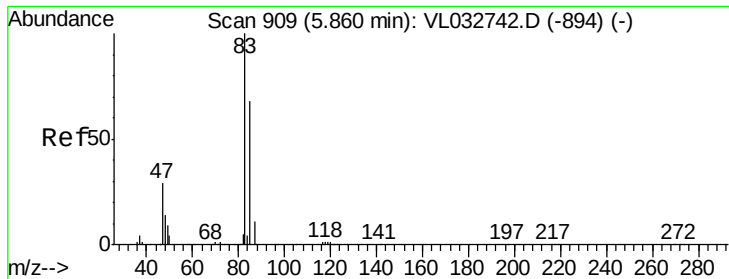
Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.2	70.3	105.5
43	70.3	174.0	261.0#
56	54.8	42.3	63.5



#27
Carbon Disulfide
Concen: 1.415 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

Tgt Ion	Ratio	Lower	Upper
76	100		
44	28.4	14.4	21.6#
78	10.4	7.7	11.5

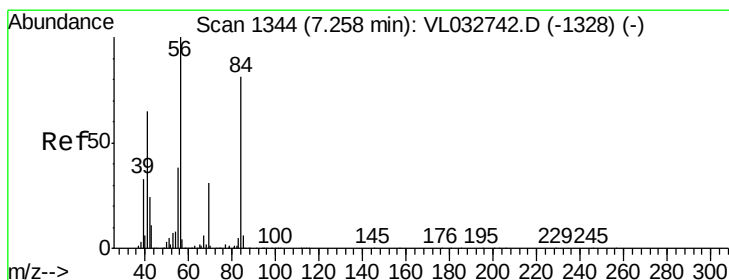
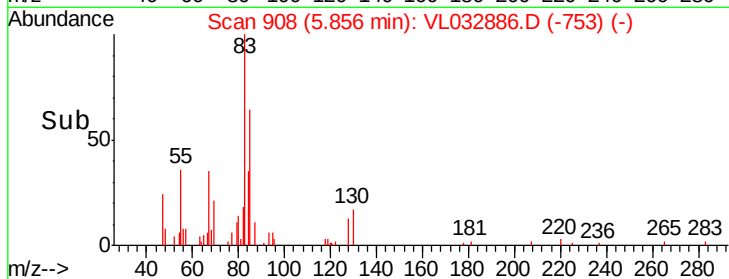
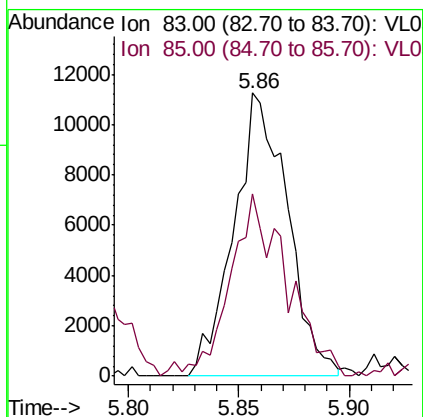
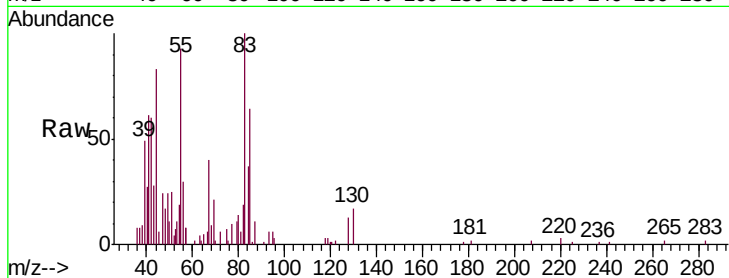




#29
Chloroform
Concen: 0.080 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

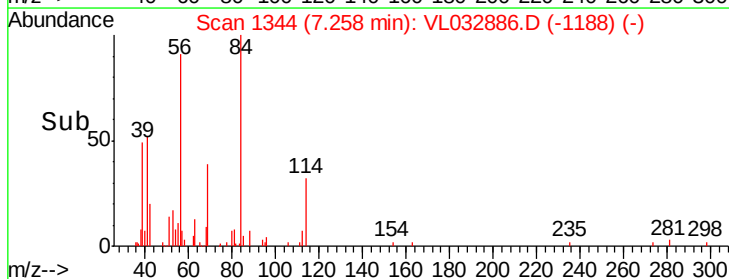
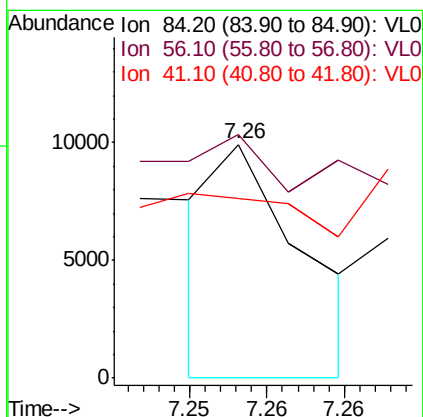
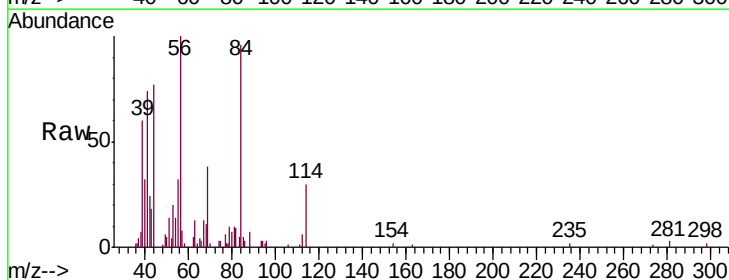
Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUP

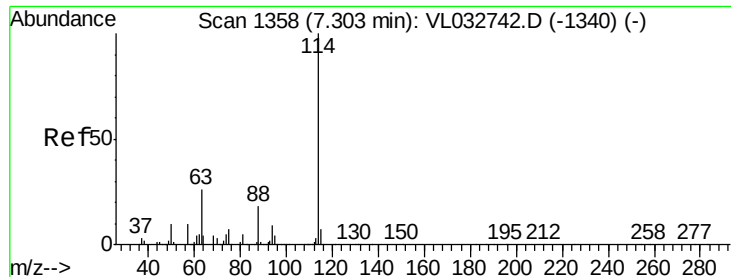
Tgt Ion: 83 Resp: 18966
Ion Ratio Lower Upper
83 100
85 60.6 54.2 81.4



#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

Tgt Ion: 84 Resp: 3869
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.4#
41 0.0 65.3 97.9#

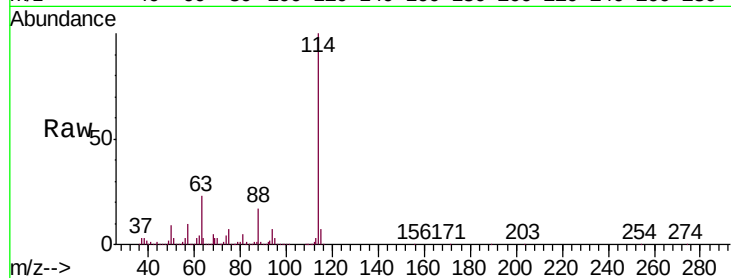




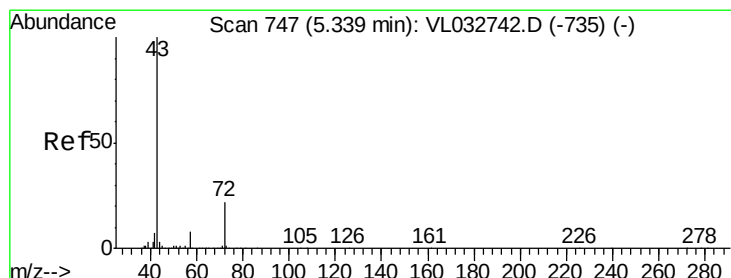
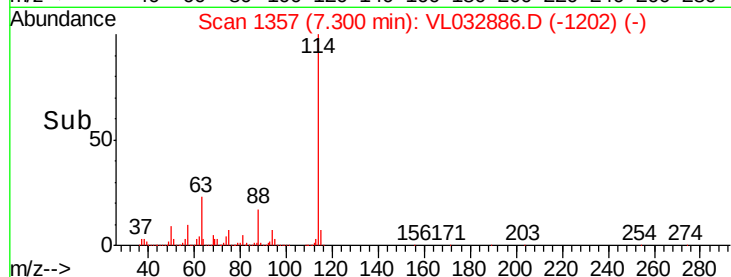
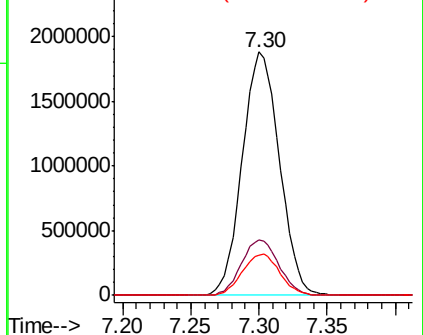
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032886.D
 Acq: 4 Dec 2018 21:23

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-DUP

Tgt Ion:114 Resp: 3560148
 Ion Ratio Lower Upper
 114 100
 63 23.1 20.9 31.3
 88 17.1 14.4 21.6

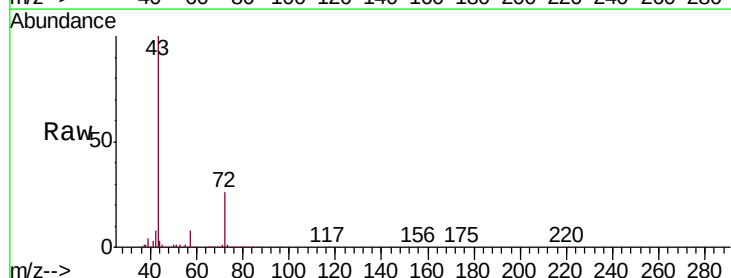


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

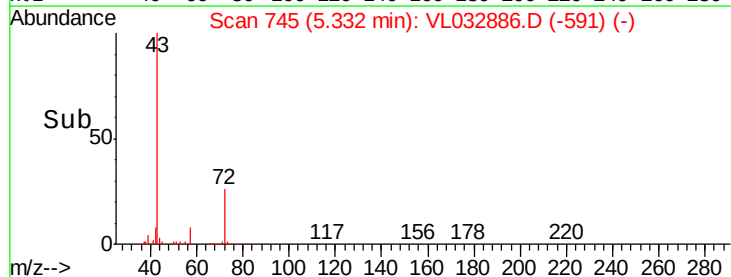
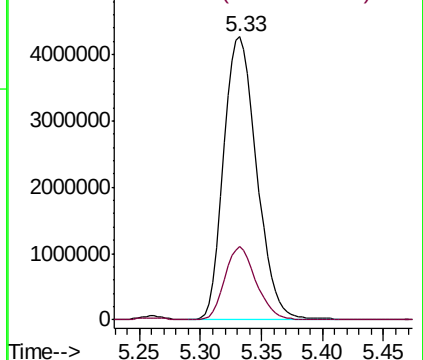


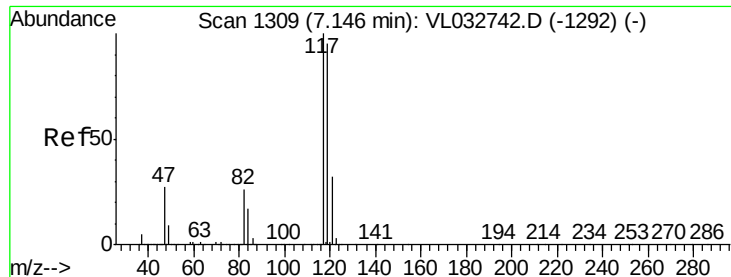
#34
 2-Butanone
 Concen: 43.885 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VL032886.D
 Acq: 4 Dec 2018 21:23

Tgt Ion: 43 Resp: 8103399
 Ion Ratio Lower Upper
 43 100
 72 24.6 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.032 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

MMSV-DUP

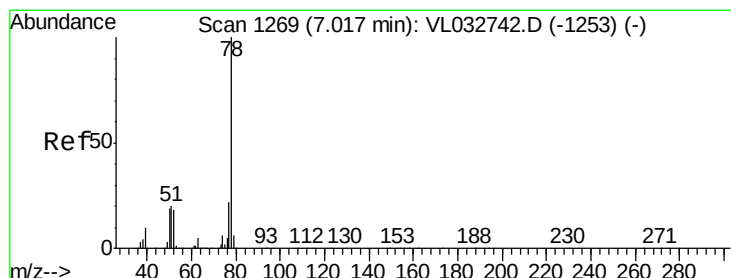
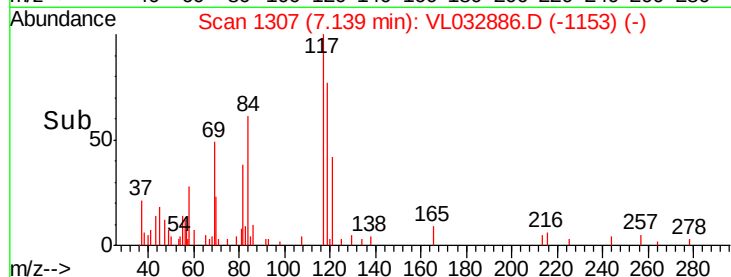
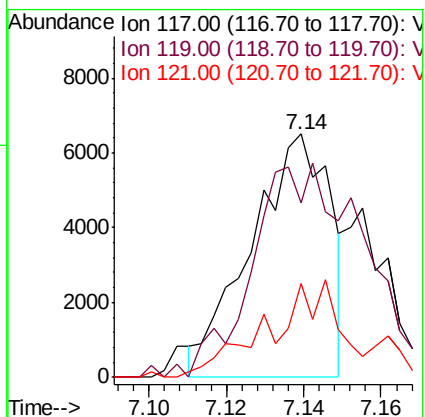
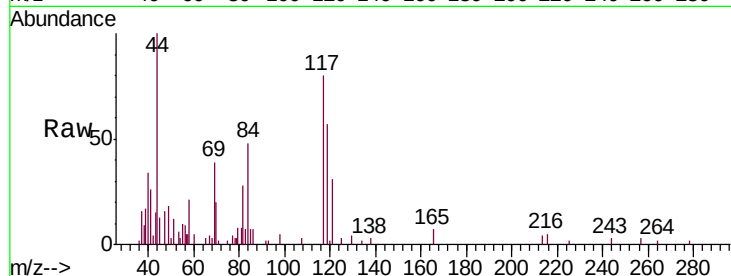
Tgt Ion: 117 Resp: 9241

Ion Ratio Lower Upper

117 100

119 82.2 76.1 114.1

121 41.6 25.4 38.0#



#36

Benzene

Concen: 1.832 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

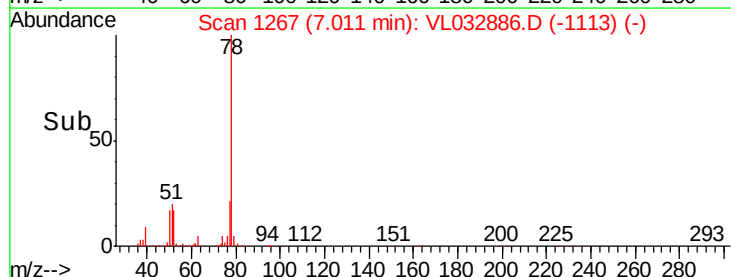
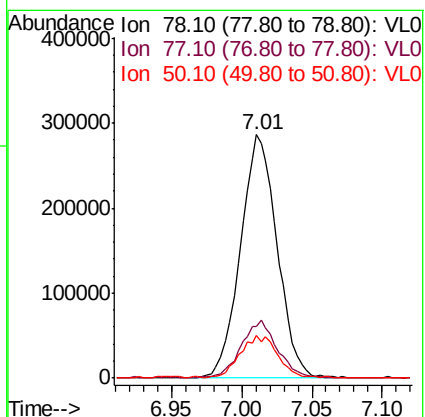
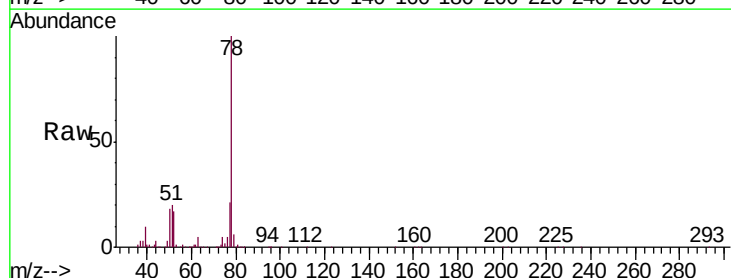
Tgt Ion: 78 Resp: 519447

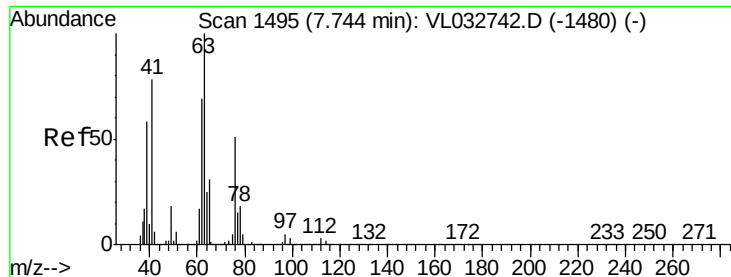
Ion Ratio Lower Upper

78 100

77 21.1 17.8 26.8

50 17.6 15.4 23.0





#39

1,2-Dichloropropane

Concen: 7.582 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

MMSV-DUP

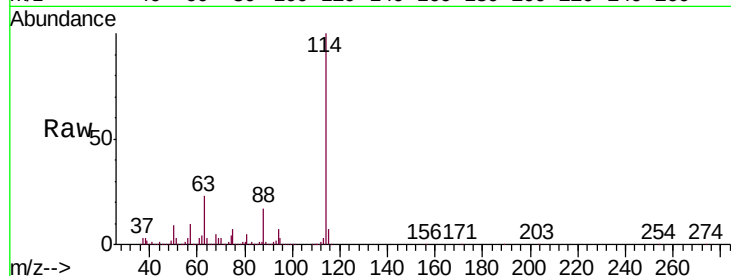
Tgt Ion: 63 Resp: 818920

Ion Ratio Lower Upper

63 100

41 1.1 62.0 93.0#

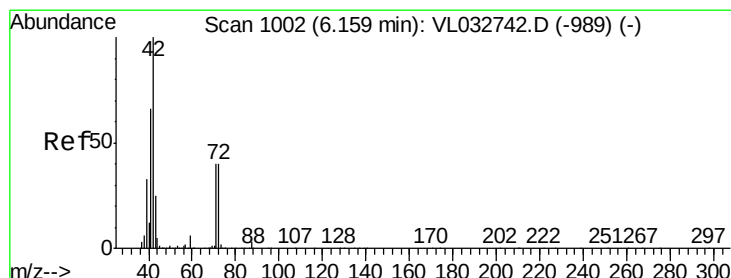
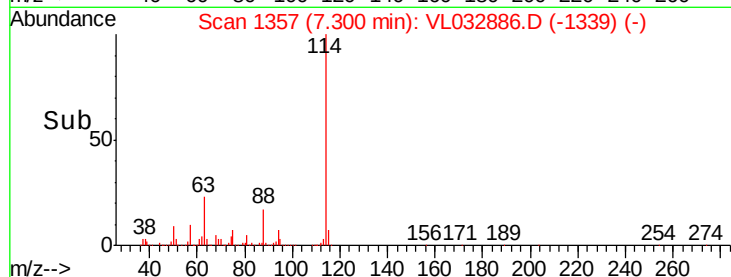
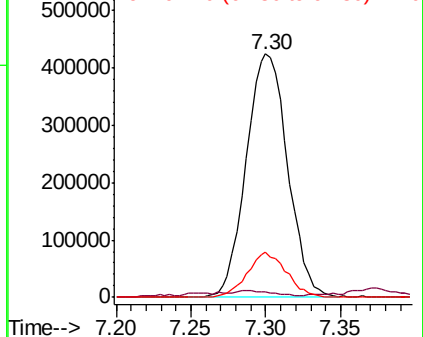
62 18.7 55.4 83.2#



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: 13.295 ppbv

RT: 6.15 min Scan# 999

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

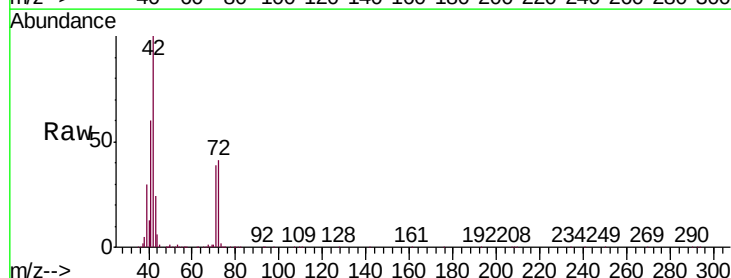
Tgt Ion: 42 Resp: 1408218

Ion Ratio Lower Upper

42 100

72 41.0 32.4 48.6

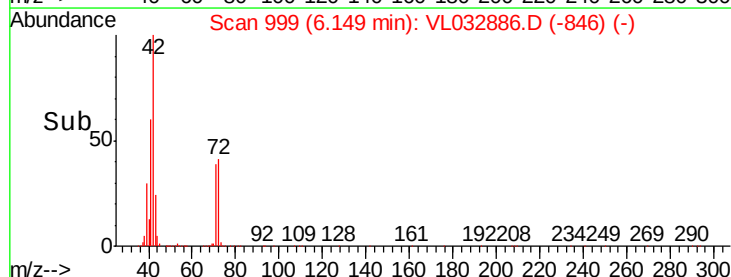
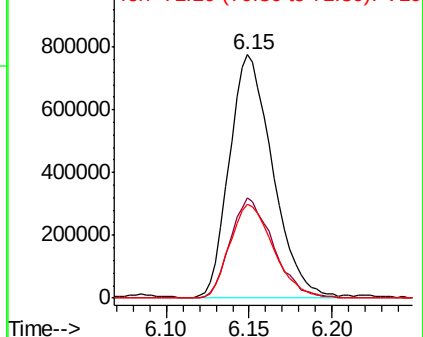
71 39.1 31.6 47.4

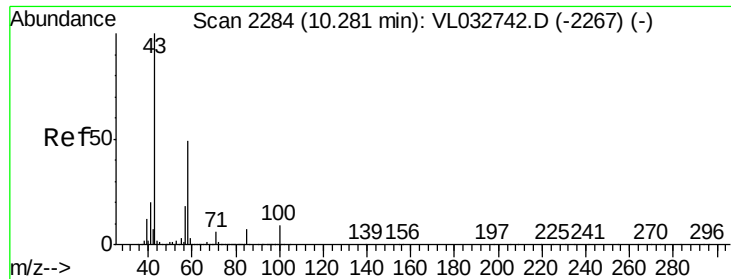


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

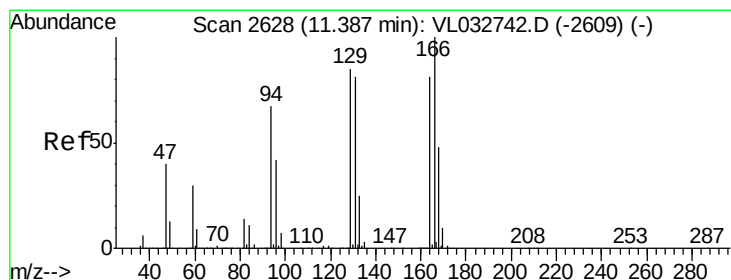
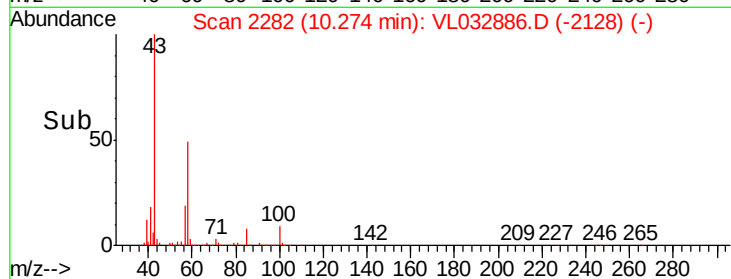
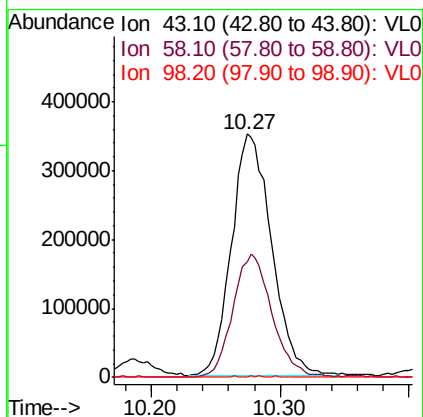
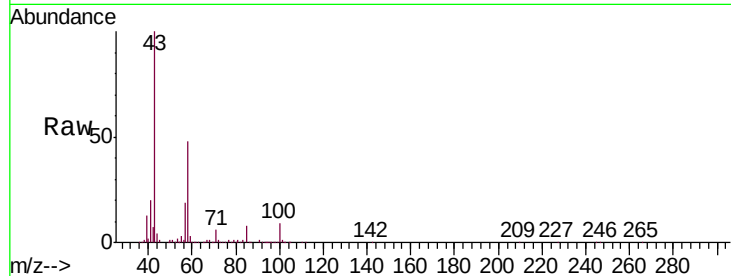




#51
2-Hexanone
Concen: 4.080 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.01 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

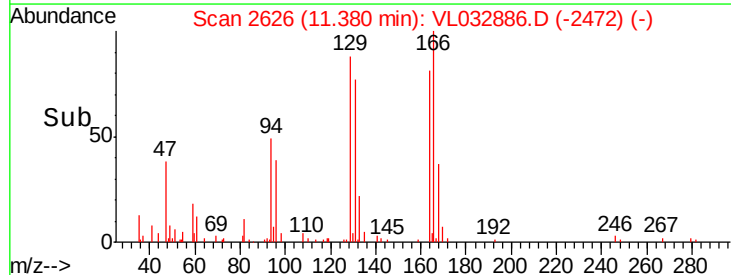
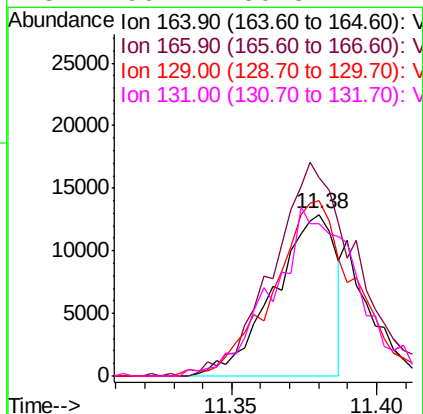
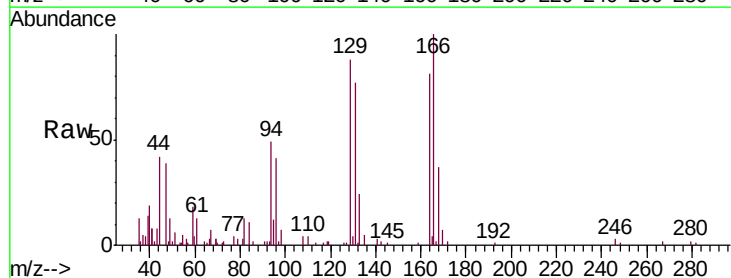
Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUP

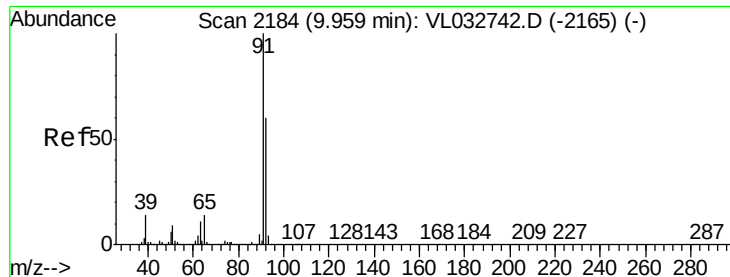
Tgt Ion: 43 Resp: 758128
Ion Ratio Lower Upper
43 100
58 50.0 38.9 58.3
98 0.8 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.192 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

Tgt Ion: 164 Resp: 18947
Ion Ratio Lower Upper
164 100
166 123.0 99.3 148.9
129 104.2 83.9 125.9
131 90.2 80.8 121.2





#53

Toluene

Concen: 1.869 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

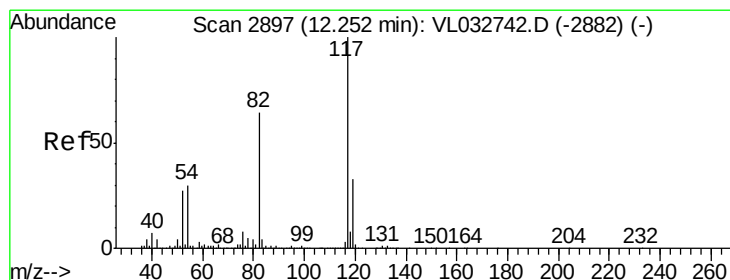
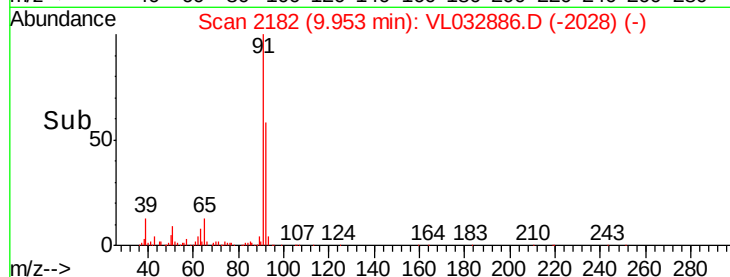
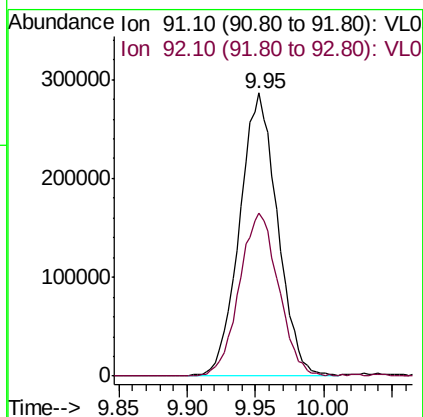
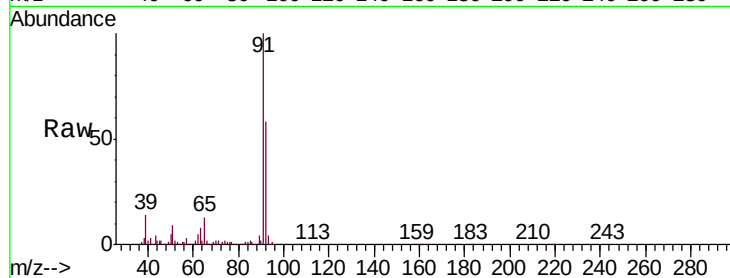
MMSV-DUP

Tgt Ion: 91 Resp: 552645

Ion Ratio Lower Upper

91 100

92 60.1 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: VL032886.D

Acq: 4 Dec 2018 21:23

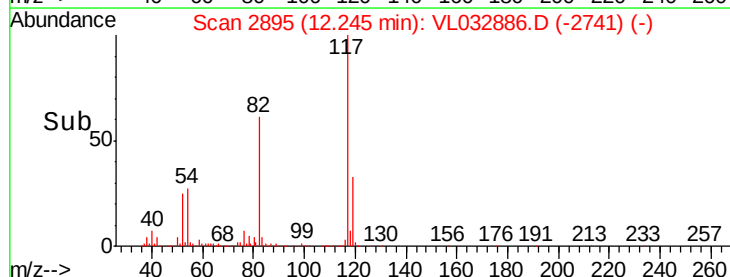
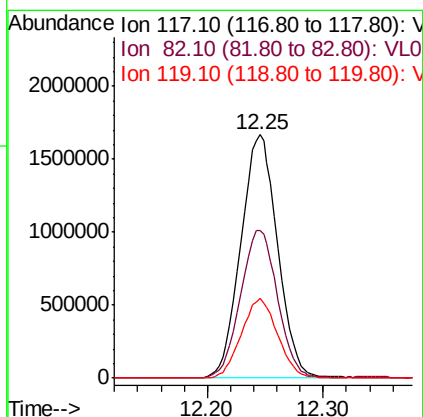
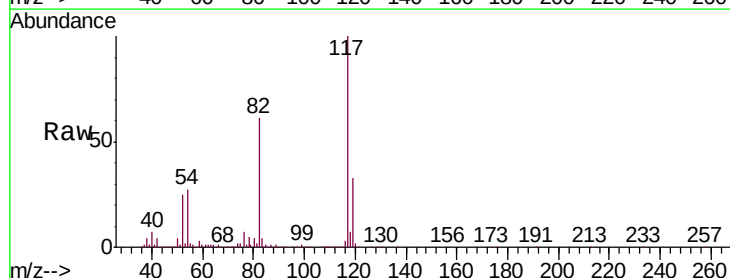
Tgt Ion: 117 Resp: 3681283

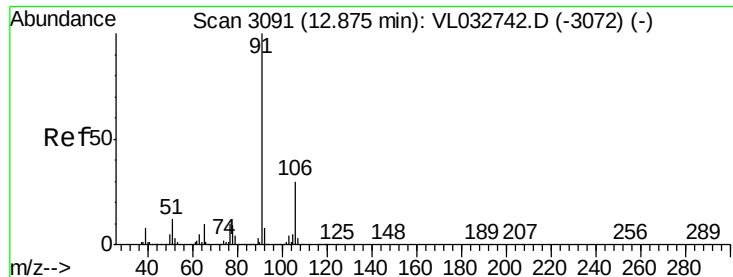
Ion Ratio Lower Upper

117 100

82 61.4 51.0 76.6

119 32.4 28.0 42.0





#58

Ethyl Benzene

Concen: 0.298 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

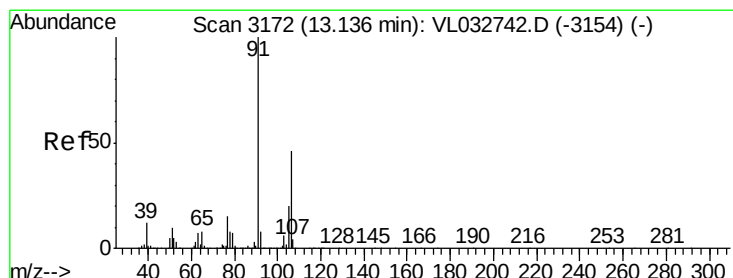
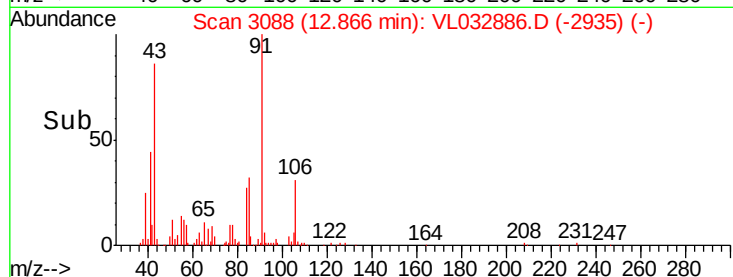
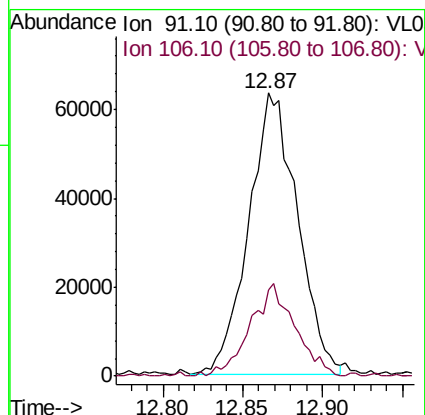
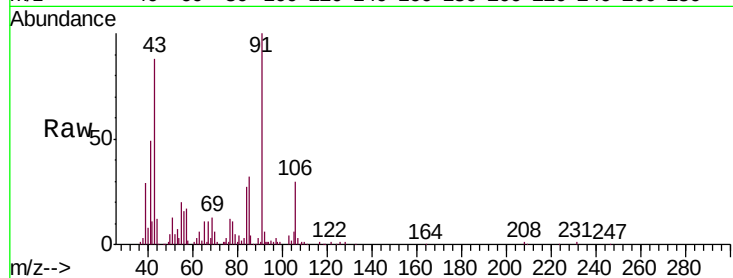
MMSV-DUP

Tgt Ion: 91 Resp: 131976

Ion Ratio Lower Upper

91 100

106 30.7 23.6 35.4



#59

m/p-Xylene

Concen: 0.444 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL032886.D

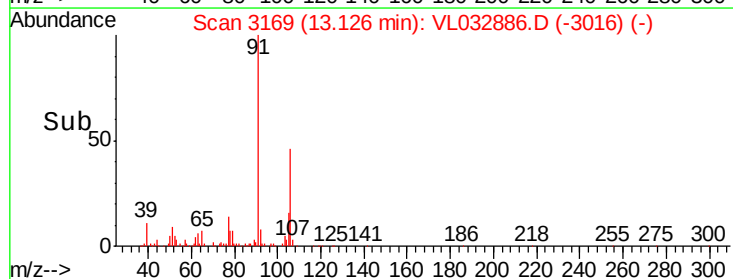
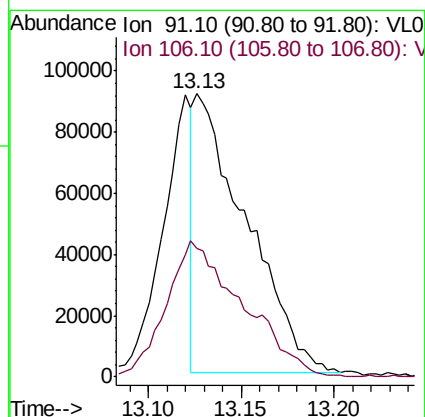
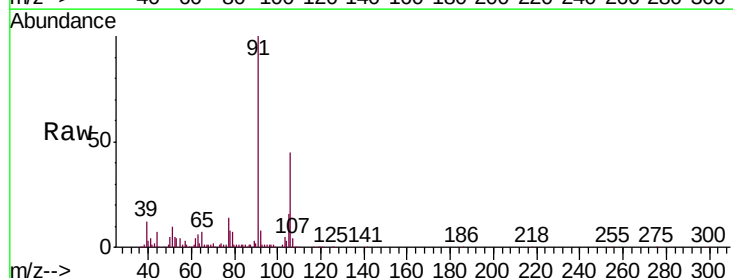
Acq: 4 Dec 2018 21:23

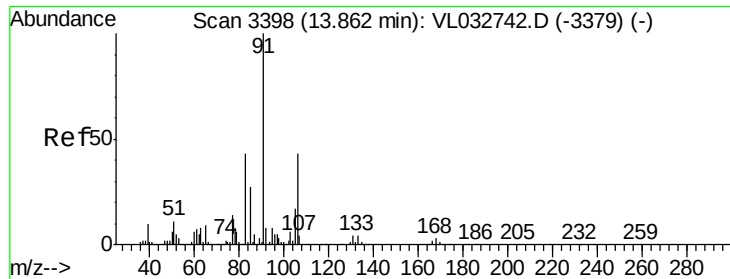
Tgt Ion: 91 Resp: 175165

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#





#60

o-Xylene

Concen: 0.390 ppbv

RT: 13.86 min Scan# 3396

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

Instrument :

MSVOA_L

ClientSampleId :

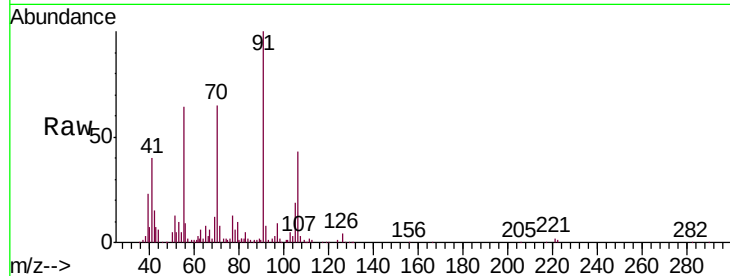
MMSV-DUP

Tgt Ion: 91 Resp: 154672

Ion Ratio Lower Upper

91 100

106 45.2 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.86

80000

60000

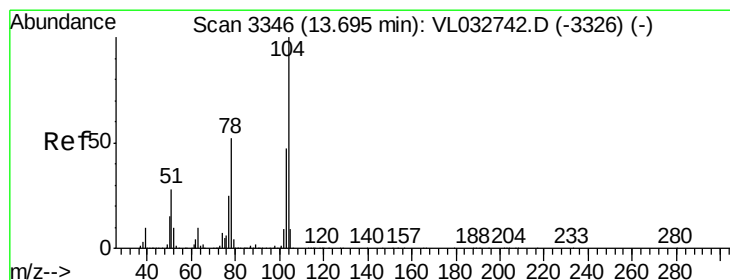
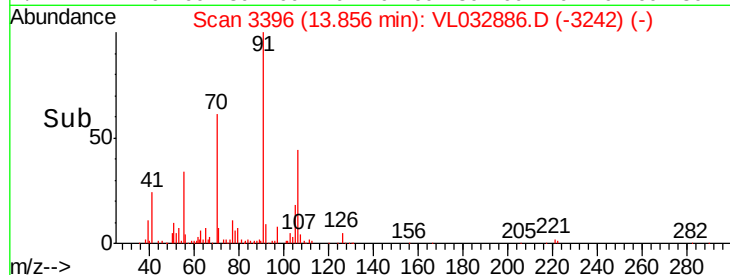
40000

20000

0

13.80 13.85 13.90

Time-->



#61

Styrene

Concen: 0.214 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

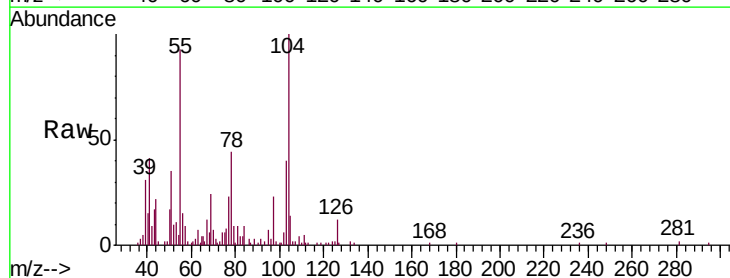
Tgt Ion: 104 Resp: 55226

Ion Ratio Lower Upper

104 100

78 55.4 42.2 63.4

103 48.5 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

13.69

30000

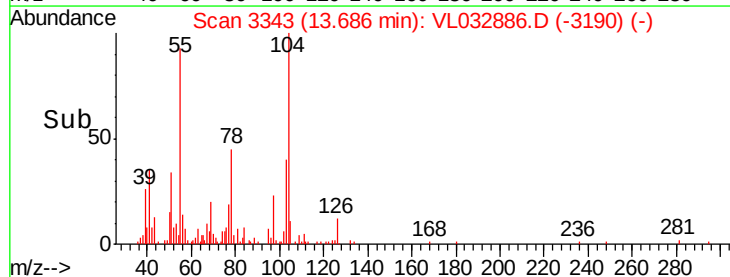
20000

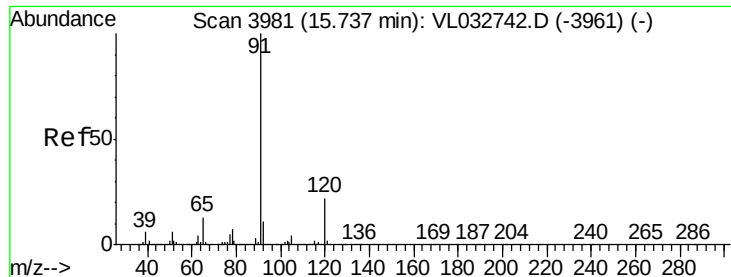
10000

0

13.65 13.70 13.75

Time-->

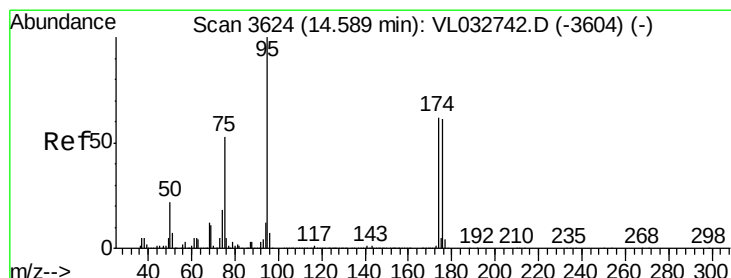
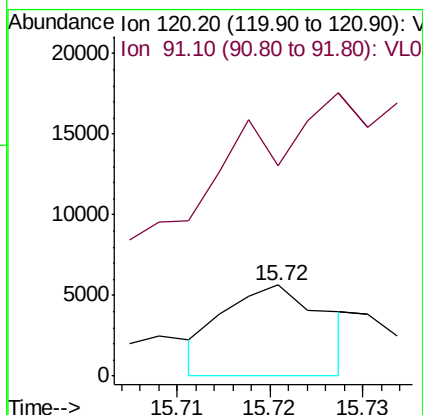
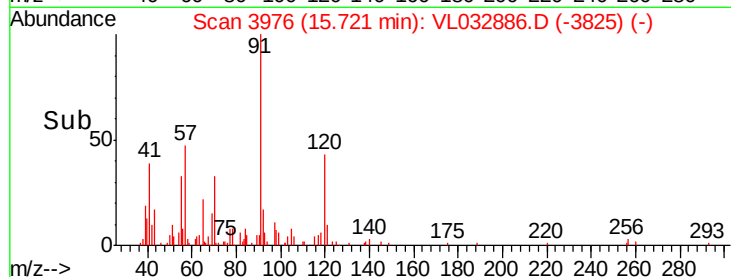
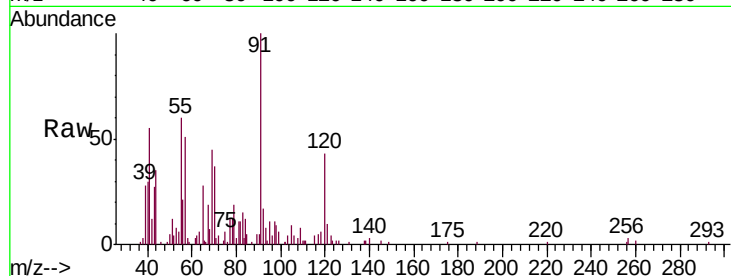




#64
n-propylbenzene
Concen: 0.031 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.02 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

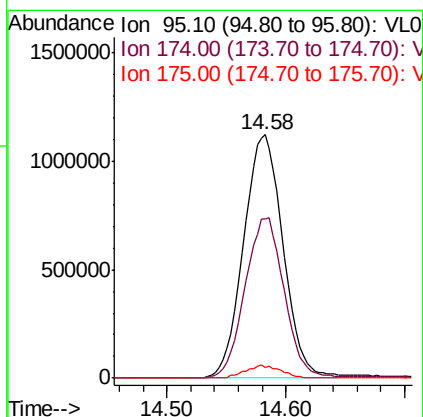
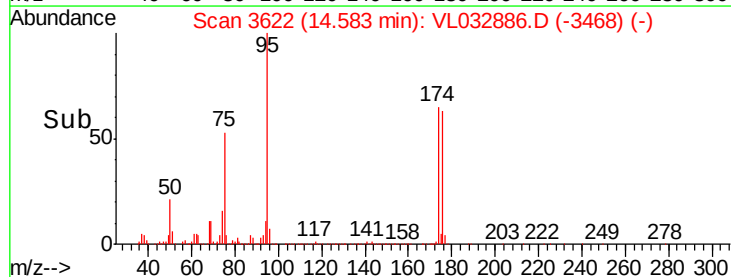
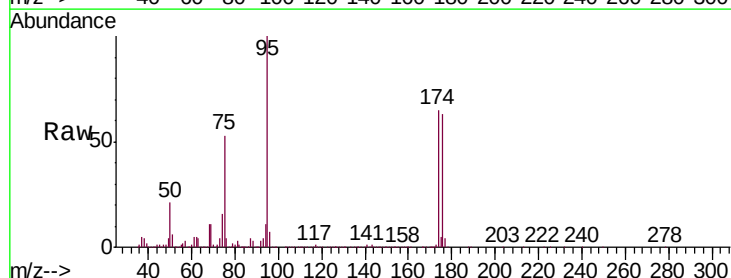
Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUP

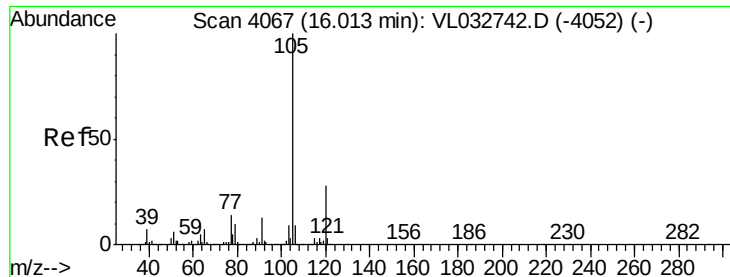
Tgt Ion:120 Resp: 4344
Ion Ratio Lower Upper
120 100
91 1034.2 381.7 572.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.353 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032886.D
Acq: 4 Dec 2018 21:23

Tgt Ion: 95 Resp: 2575326
Ion Ratio Lower Upper
95 100
174 66.7 50.7 76.1
175 4.9 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.157 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

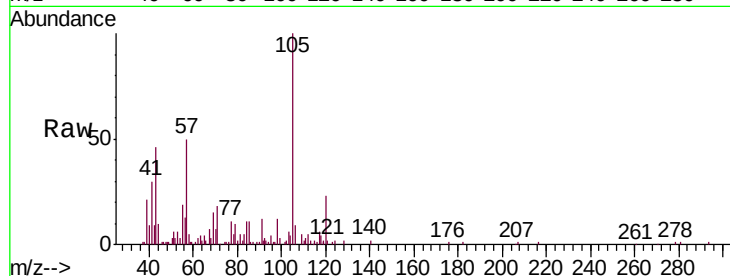
Instrument :

MSVOA_L

ClientSampleId :

MMSV-DUP

Tgt Ion:	105	Resp:	68228
Ion	Ratio	Lower	Upper
105	100		
120	30.2	22.9	34.3
91	17.6	10.6	15.8#
77	15.7	11.4	17.2



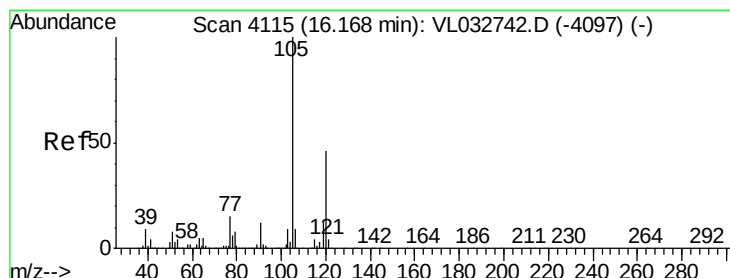
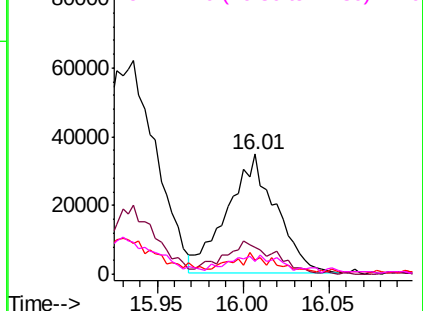
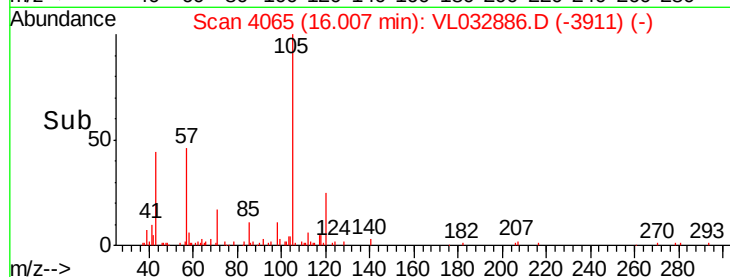
Abundance

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



#73

1,3,5-Trimethylbenzene

Concen: 0.094 ppbv

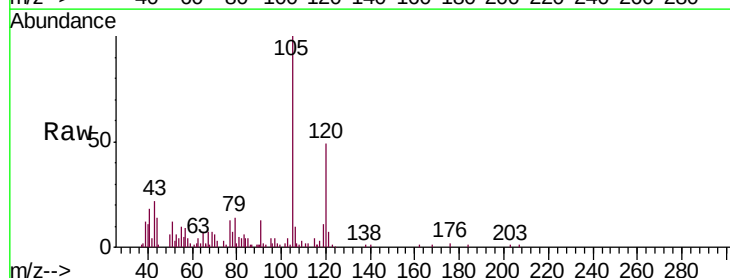
RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL032886.D

Acq: 4 Dec 2018 21:23

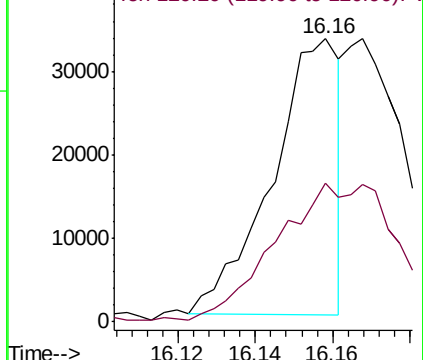
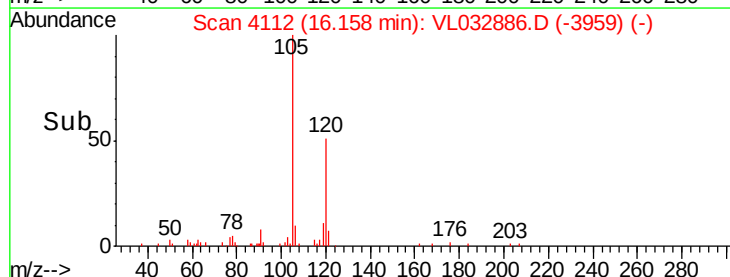
Tgt Ion:	105	Resp:	40046
Ion	Ratio	Lower	Upper
105	100		
120	49.6	36.6	55.0

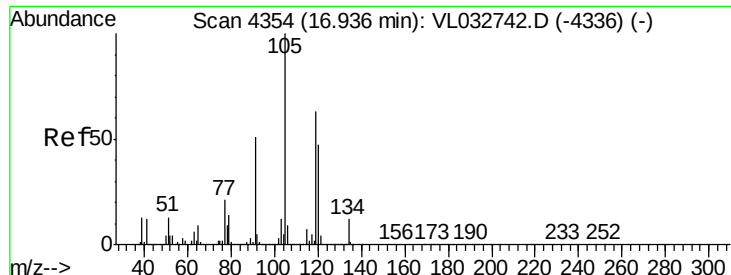


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

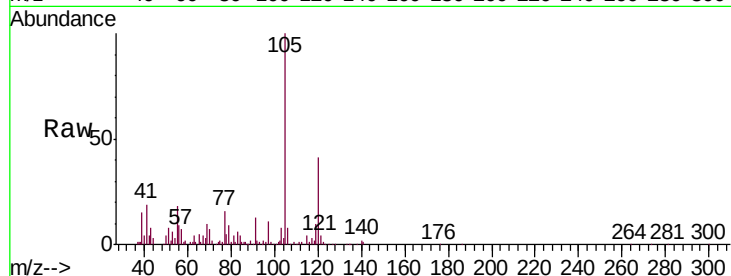




#74
 1,2,4-Trimethylbenzene
 Concen: 0.454 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032886.D
 Acq: 4 Dec 2018 21:23

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-DUP

Tgt Ion:	105	Resp:	206658
Ion	Ratio	Lower	Upper
105	100		
120	40.6	37.6	56.4
91	12.4	42.5	63.7#
77	14.9	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

