

Data File : VL032639.D

Acq On : 17 Oct 2018 13:50

Operator : SY/AP

Sample : J5500-02DL 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Time: Oct 17 16:25:16 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

QLast Update : Wed Oct 17 08:55:11 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1280616	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.33	114	2835270	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.27	117	2926239	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2253512	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.09	85	2325	Below Cal	98
3) Chlorodifluoromethane	3.25	51	12840	0.120 ppbv #	59
4) Chloromethane	3.19	50	2421	0.041 ppbv #	83
7) Chloroethane	3.62	64	3734	0.162 ppbv	96
9) Propene	3.05	41	1578423	40.182 ppbv	90
10) Heptane	8.28	43	666271	4.529 ppbv	98
13) Ethanol	3.68	45	823621	67.759 ppbv	98
15) Acetone	3.95	43	3877260	34.022 ppbv	94
16) 1,3-Butadiene	3.41	39	299252	7.092 ppbv #	1
17) tert-Butyl alcohol	4.40	59	126697	12.181 ppbv #	100
18) 1,1-Dichloroethene	4.37	96	778817	14.338 ppbv	99
19) Isopropyl Alcohol	4.06	45	495731	6.159 ppbv #	1
20) Methylene Chloride	4.43	84	194855	3.817 ppbv	93
21) Allyl Chloride	4.48	41	68777	0.804 ppbv #	1
23) Vinyl Acetate	5.21	43	890871	4.914 ppbv #	52
25) Ethyl Acetate	5.80	43	578085	2.144 ppbv #	77
26) Hexane	5.80	57	800714	6.592 ppbv #	43
27) Carbon Disulfide	4.64	76	148613	1.013 ppbv	95
30) Cyclohexane	7.28	84	192491	2.010 ppbv #	27
31) cis-1,2-Dichloroethene	5.67	61	86167	0.738 ppbv	97
32) 1,1,1-Trichloroethane	6.66	97	7781	0.037 ppbv #	81
34) 2-Butanone	5.37	43	1644283	10.449 ppbv	100
35) Carbon Tetrachloride	7.18	117	24679946	112.318 ppbv #	90
36) Benzene	7.05	78	3451379	15.018 ppbv	99
38) Trichloroethene	8.00	130	878572	10.168 ppbv	97
39) 1,2-Dichloropropane	7.33	63	741820	7.935 ppbv #	25
41) Tetrahydrofuran	6.14	42	66631	0.798 ppbv #	35
42) Bromodichloromethane	7.97	83	51845	0.241 ppbv #	39
44) 2,2,4-Trimethylpentane	8.03	57	47501	0.117 ppbv #	1
47) 1,1,2-Trichloroethane	9.65	97	6986	0.063 ppbv #	74
50) 4-Methyl-2-Pentanone	8.90	43	266622	1.151 ppbv	94
51) 2-Hexanone	10.30	43	247456	1.359 ppbv #	83
52) Tetrachloroethene	11.40	164	74848	0.989 ppbv	98
53) Toluene	9.98	91	3323792	12.686 ppbv	100
58) Ethyl Benzene	12.89	91	450690	1.371 ppbv	96
59) m/p-Xylene	13.14	91	763183	2.602 ppbv	97
60) o-Xylene	13.87	91	287574	0.984 ppbv	99
61) Styrene	13.71	104	43021	0.243 ppbv #	1
72) 4-Ethyltoluene	16.03	105	60521	0.192 ppbv	97
73) 1,3,5-Trimethylbenzene	16.18	105	22642	0.072 ppbv	92
74) 1,2,4-Trimethylbenzene	16.95	105	160412	0.464 ppbv #	79

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\
Quantitation Report (Not Reviewed)

Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Time: Oct 17 16:25:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

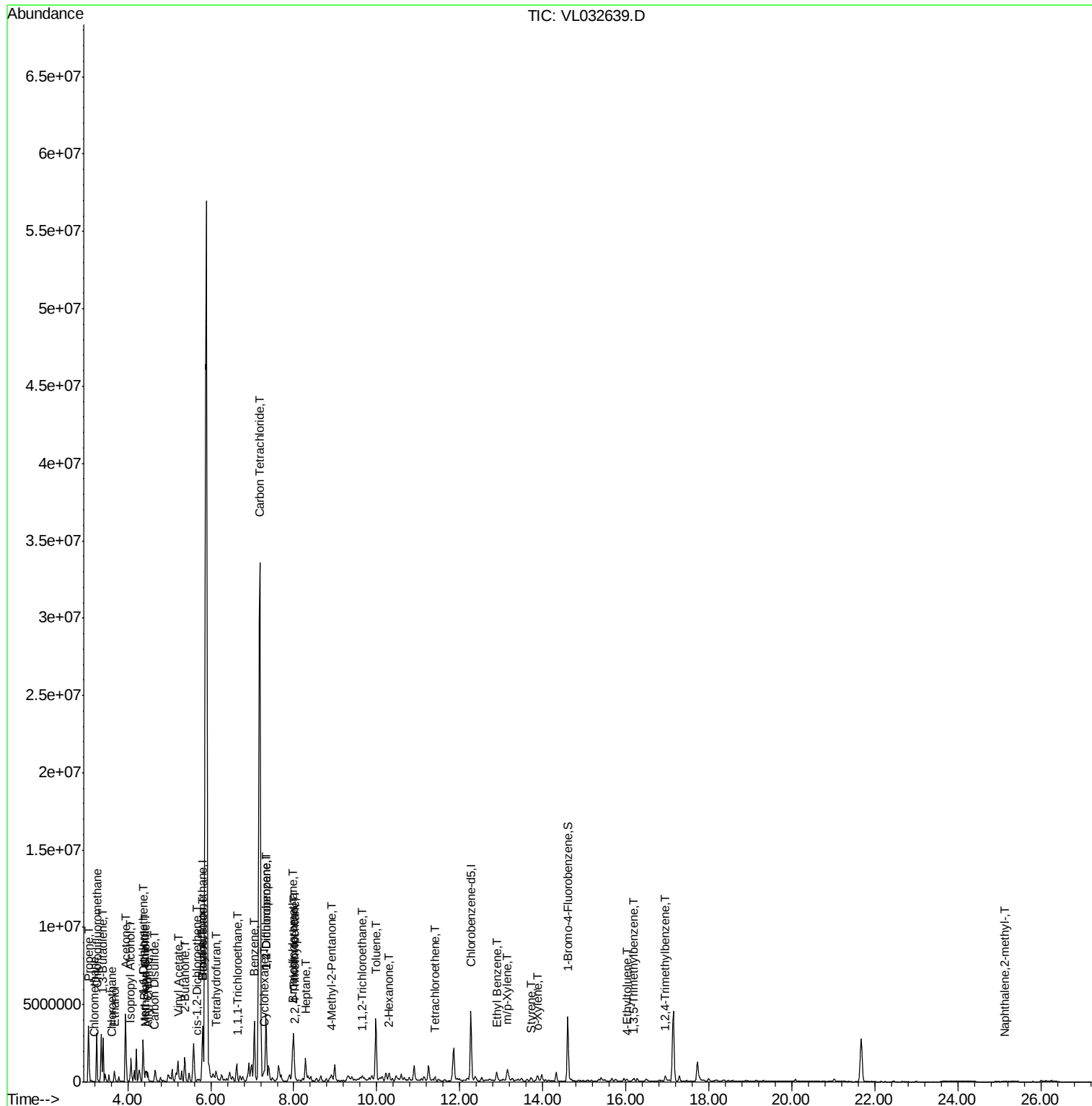
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.13	142	2344	0.769	ppbv	# 71

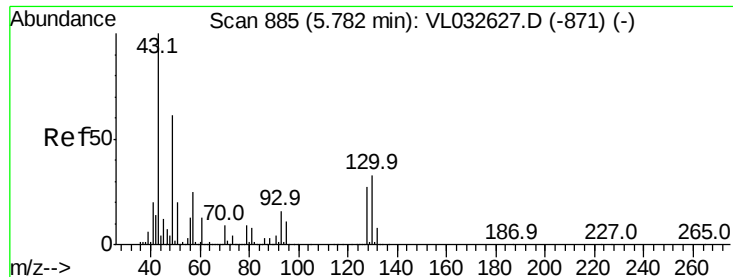
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Time: Oct 17 16:25:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 892

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

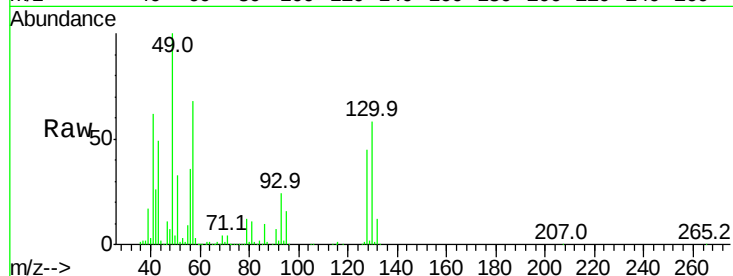
Tgt Ion: 49 Resp: 1280616

Ion Ratio Lower Upper

49 100

128 44.0 22.3 66.8

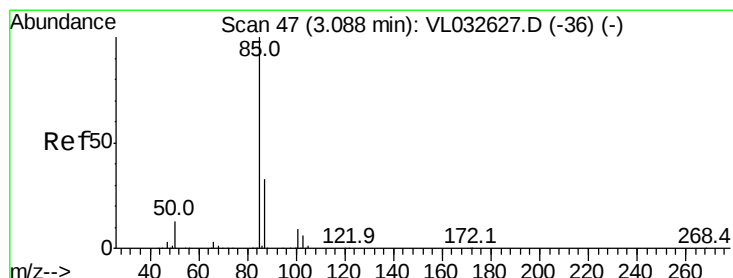
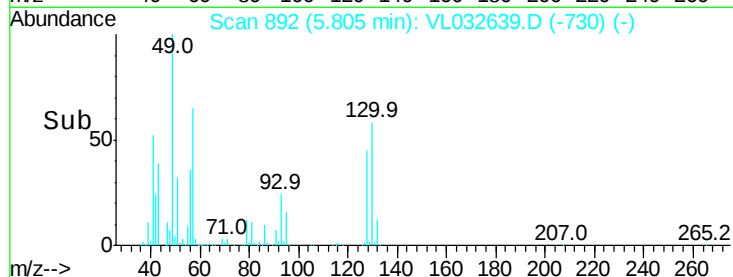
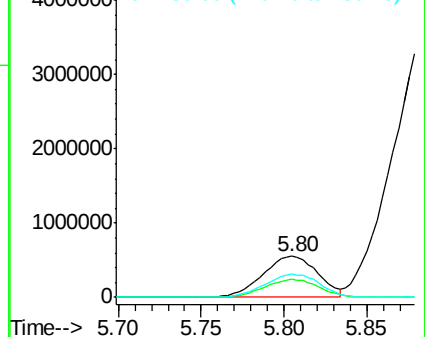
130 56.4 28.4 85.3



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: Below Cal

RT: 3.09 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL032639.D

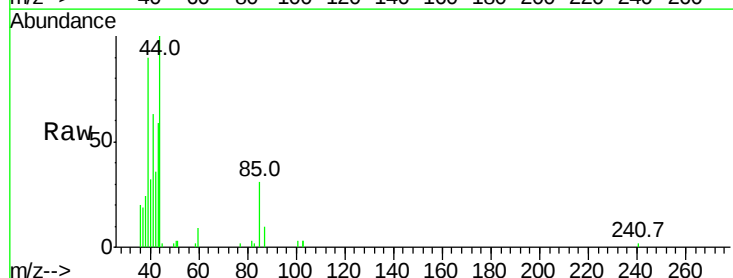
Acq: 17 Oct 2018 13:50

Tgt Ion: 85 Resp: 2325

Ion Ratio Lower Upper

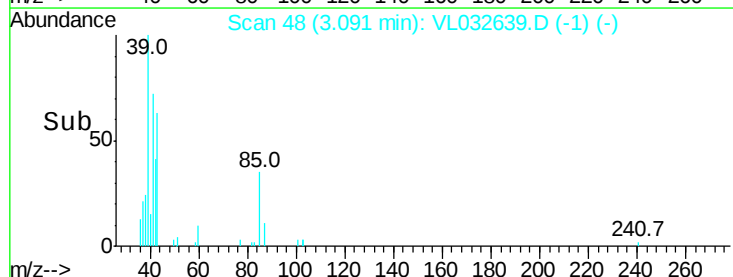
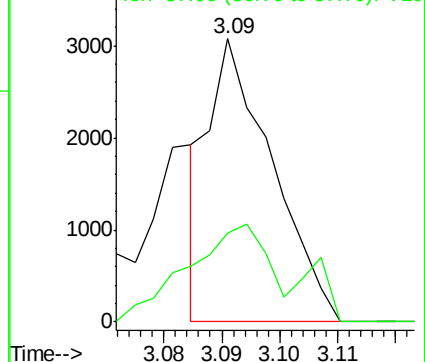
85 100

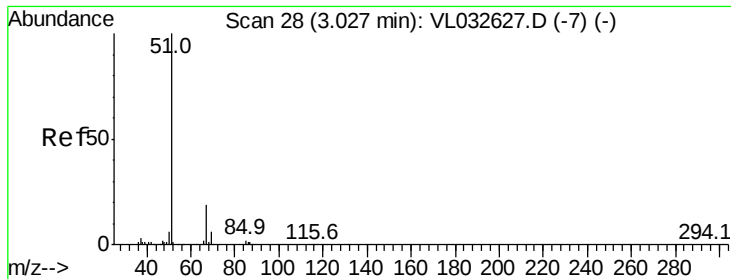
87 31.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.120 ppbv

RT: 3.25 min Scan# 98

Delta R.T. 0.22 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

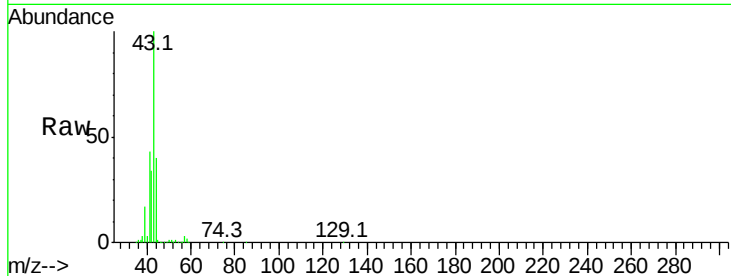
SS04-MIVI

Tgt Ion: 51 Resp: 12840

Ion Ratio Lower Upper

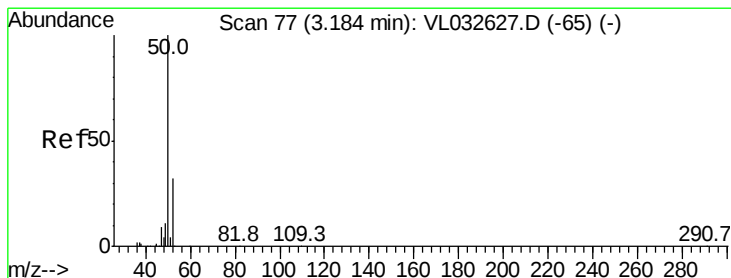
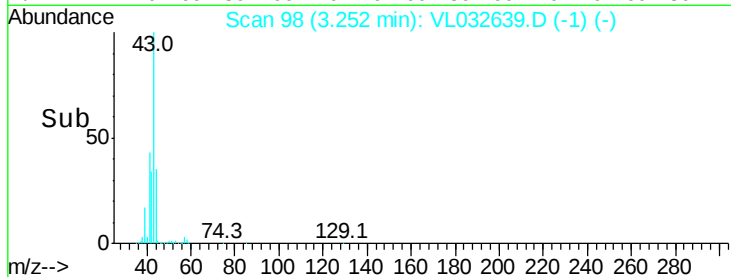
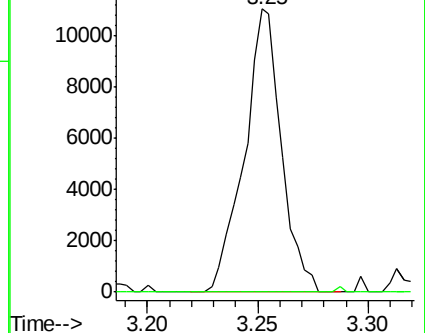
51 100

67 0.3 15.2 22.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.19 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL032639.D

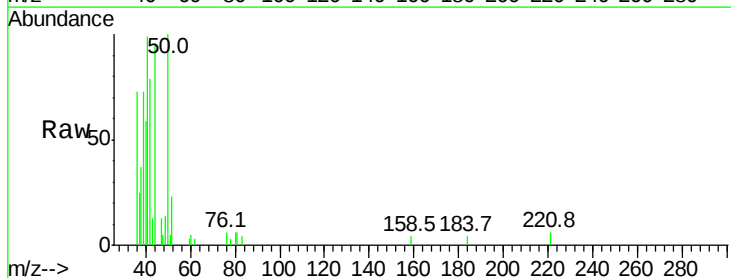
Acq: 17 Oct 2018 13:50

Tgt Ion: 50 Resp: 2421

Ion Ratio Lower Upper

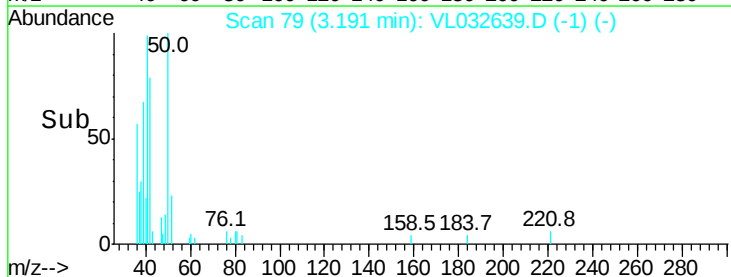
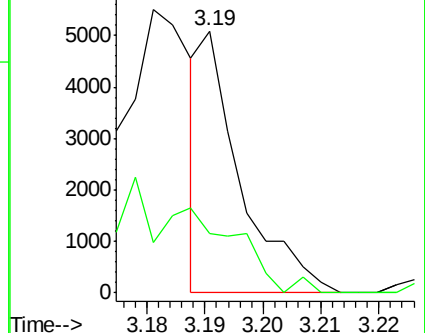
50 100

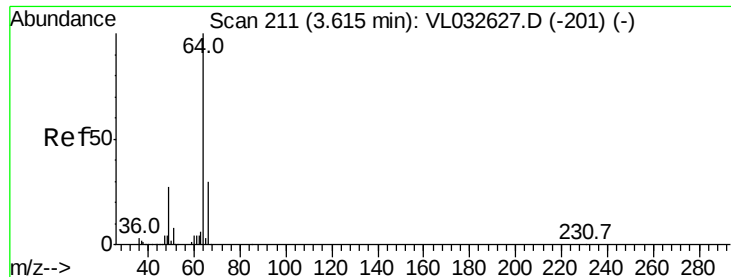
52 22.8 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.162 ppbv

RT: 3.62 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

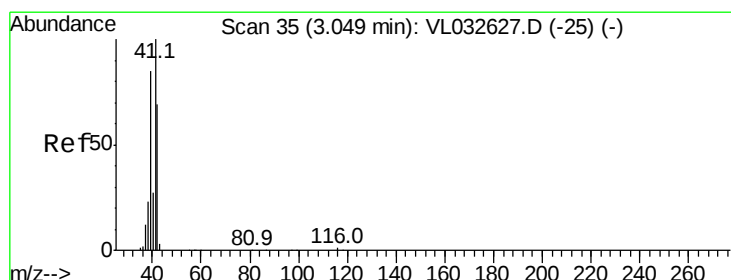
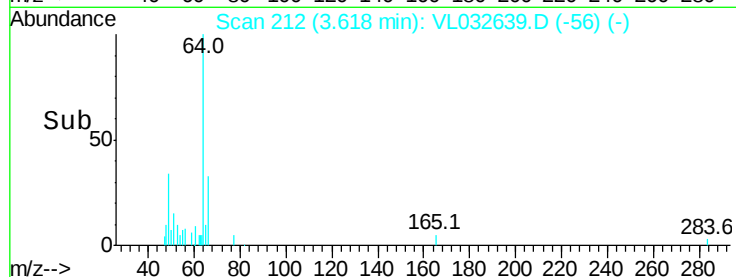
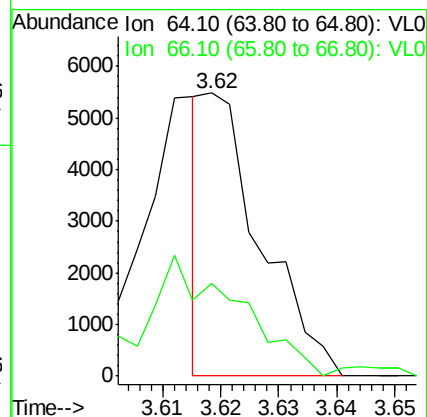
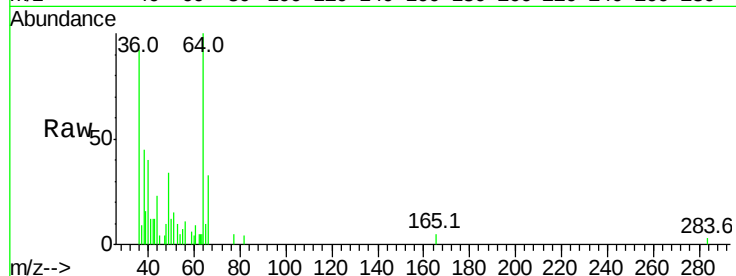
SS04-MIVI

Tgt Ion: 64 Resp: 3734

Ion Ratio Lower Upper

64 100

66 32.8 24.4 36.6



#9

Propene

Concen: 40.182 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.00 min

Lab File: VL032639.D

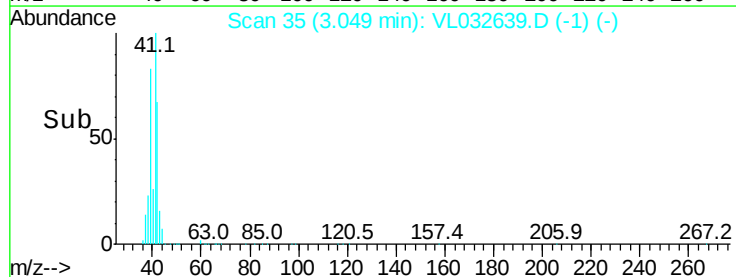
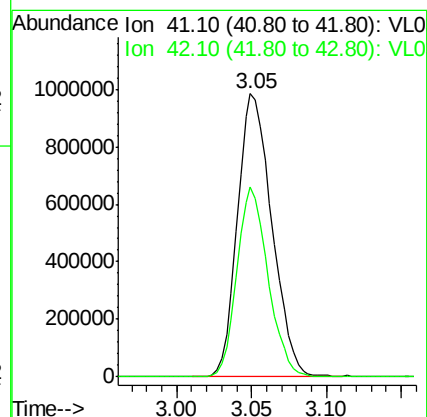
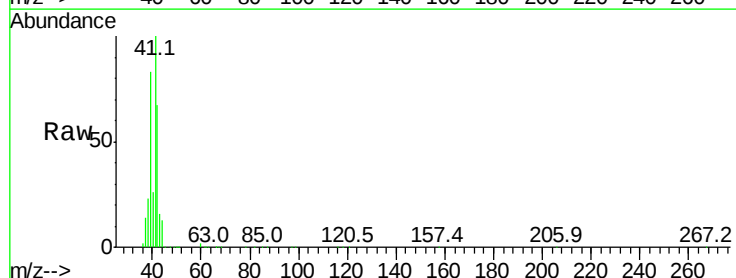
Acq: 17 Oct 2018 13:50

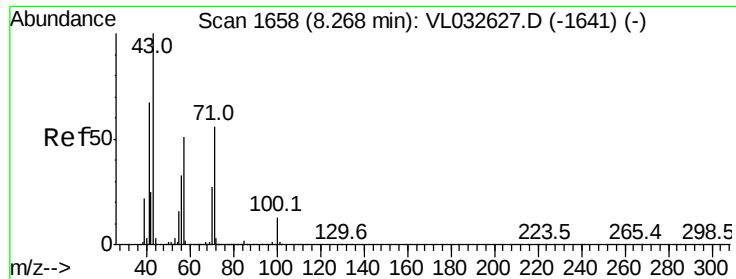
Tgt Ion: 41 Resp: 1578423

Ion Ratio Lower Upper

41 100

42 60.8 55.4 83.0

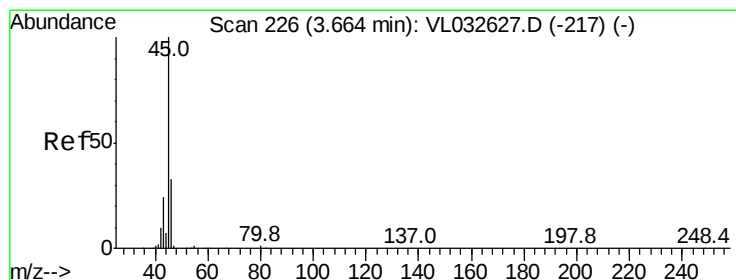
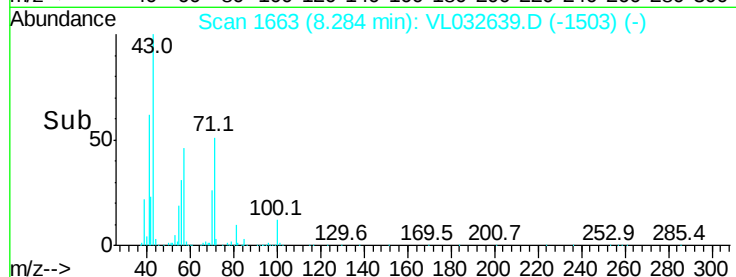
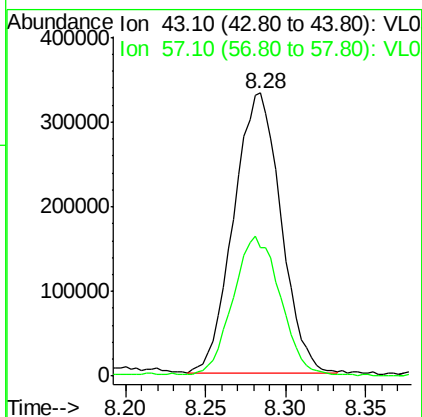
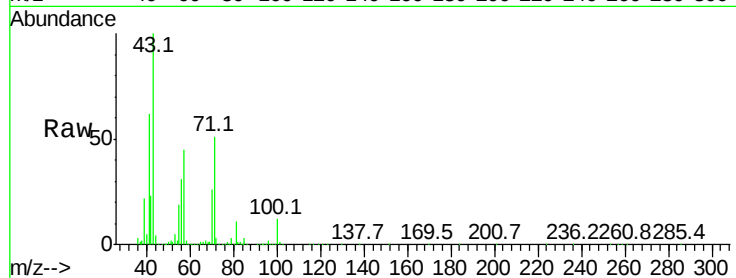




#10
Heptane
Concen: 4.529 ppbv
RT: 8.28 min Scan# 1663
Delta R.T. 0.02 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

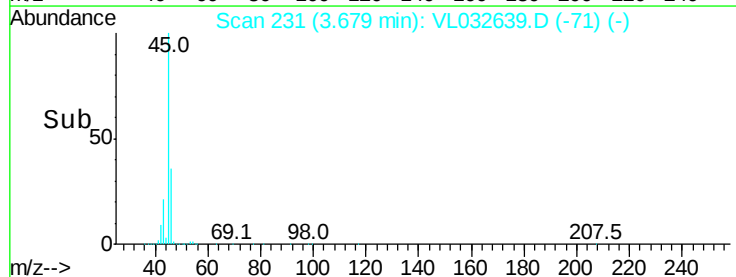
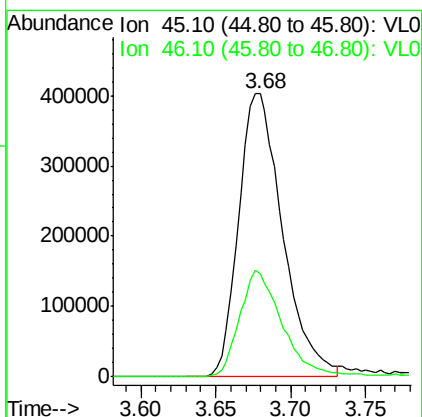
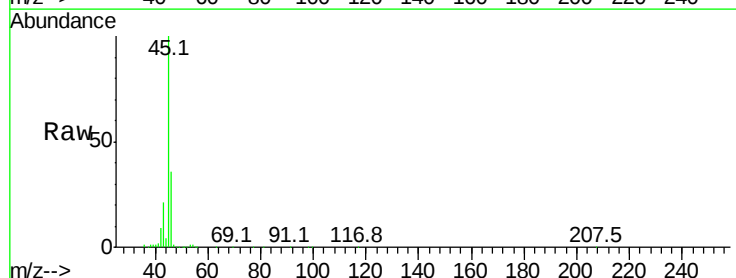
Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

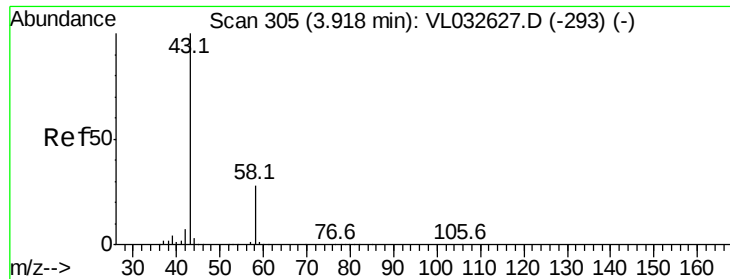
Tgt Ion: 43 Resp: 666271
Ion Ratio Lower Upper
43 100
57 50.2 41.5 62.3



#13
Ethanol
Concen: 67.759 ppbv
RT: 3.68 min Scan# 231
Delta R.T. 0.02 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion: 45 Resp: 823621
Ion Ratio Lower Upper
45 100
46 37.4 15.4 61.8





#15

Acetone

Concen: 34.022 ppbv

RT: 3.95 min Scan# 315

Delta R.T. 0.03 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

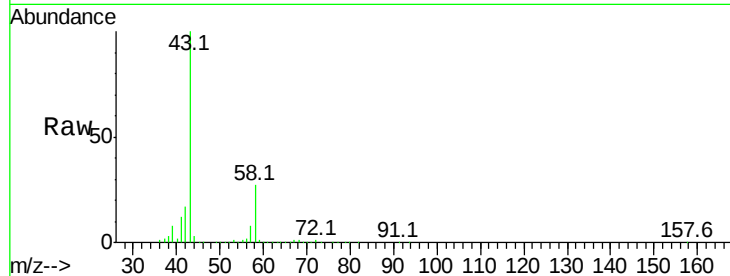
SS04-MIVI

Tgt Ion: 43 Resp: 3877260

Ion Ratio Lower Upper

43 100

58 30.9 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

2500000

2000000

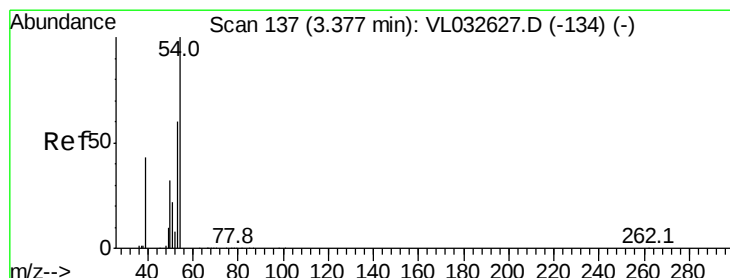
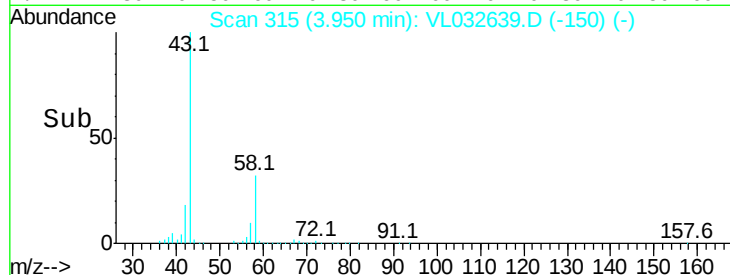
1500000

1000000

500000

0

Time--> 3.85 3.90 3.95 4.00



#16

1,3-Butadiene

Concen: 7.092 ppbv

RT: 3.41 min Scan# 146

Delta R.T. 0.03 min

Lab File: VL032639.D

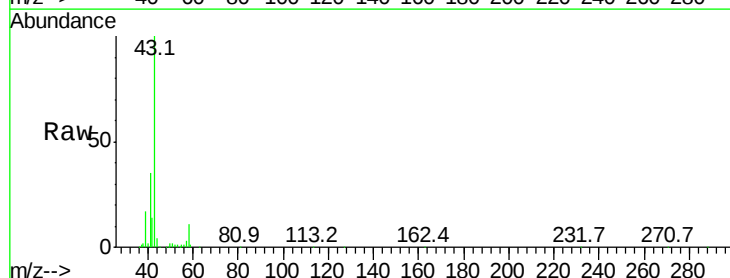
Acq: 17 Oct 2018 13:50

Tgt Ion: 39 Resp: 299252

Ion Ratio Lower Upper

39 100

54 0.0 90.4 135.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

400000

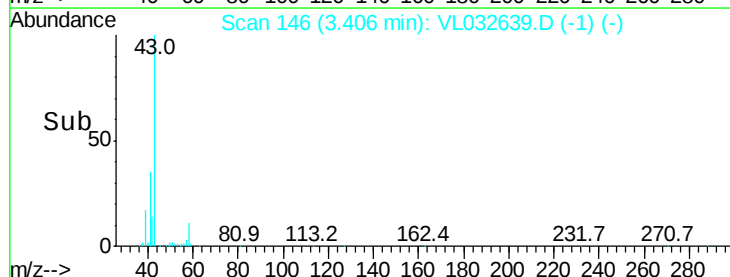
300000

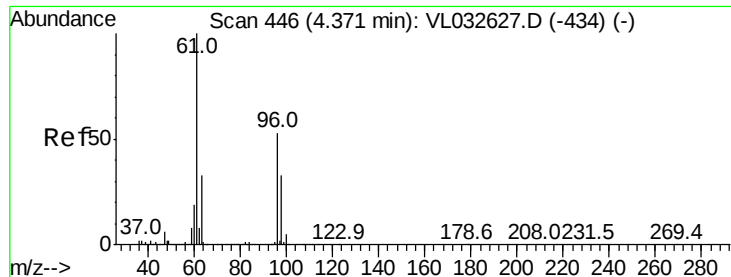
200000

100000

0

Time--> 3.38 3.40 3.42 3.44



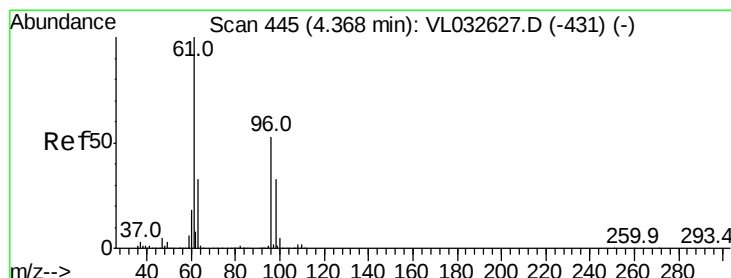
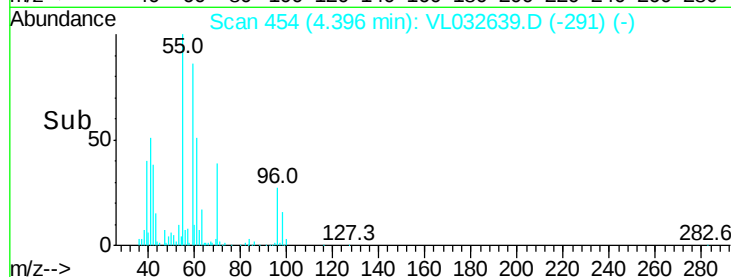
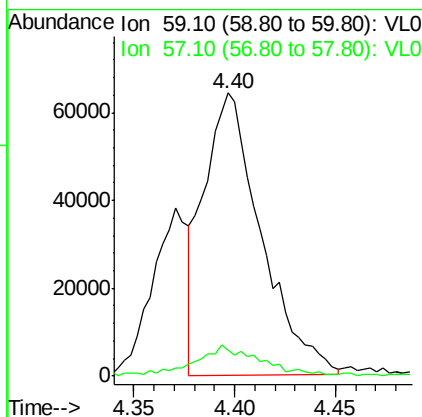
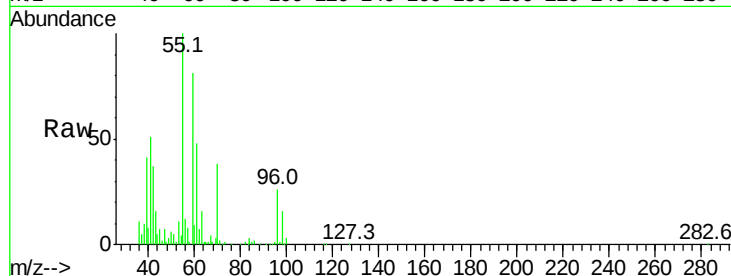


#17

tert-Butyl alcohol
Concen: 12.181 ppbv
RT: 4.40 min Scan# 454
Delta R.T. 0.03 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

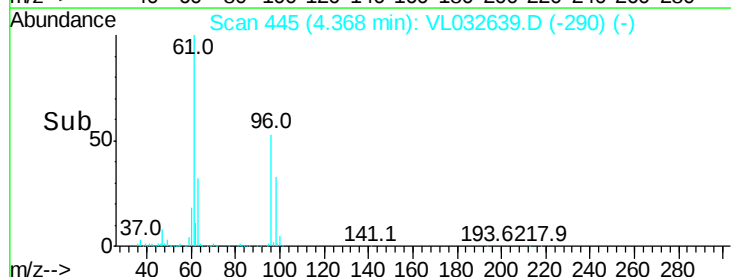
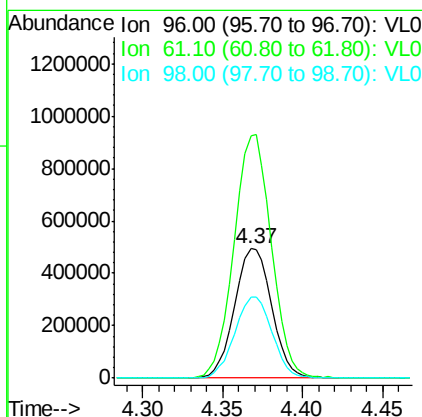
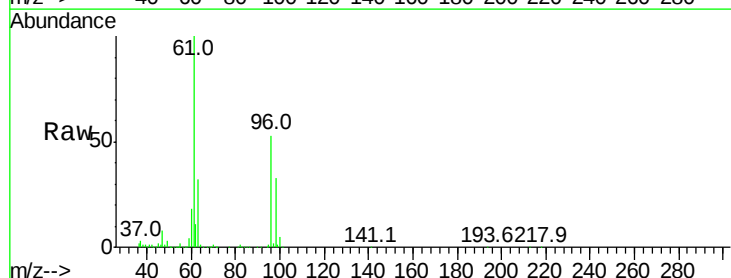
Tgt Ion: 59 Resp: 126697
Ion Ratio Lower Upper
59 100
57 13.8 0.0 0.0#

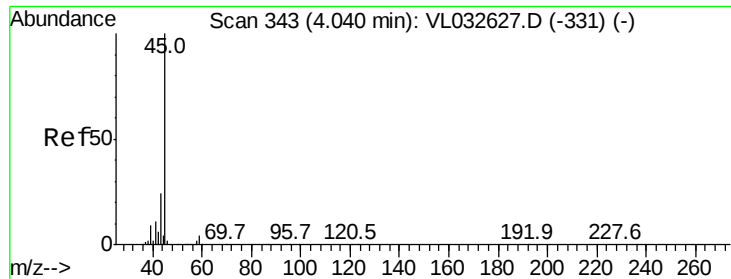


#18

1,1-Dichloroethene
Concen: 14.338 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion: 96 Resp: 778817
Ion Ratio Lower Upper
96 100
61 187.6 151.6 227.4
98 62.6 50.6 75.8





#19

Isopropyl Alcohol

Concen: 6.159 ppbv

RT: 4.06 min Scan# 349

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

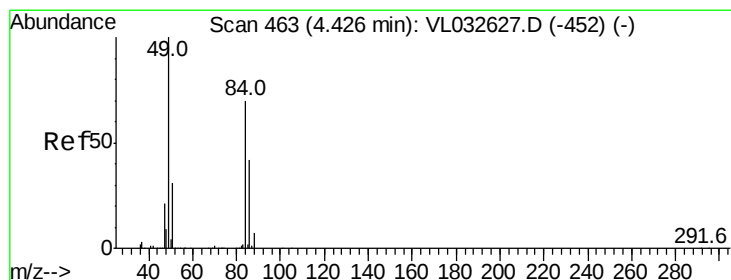
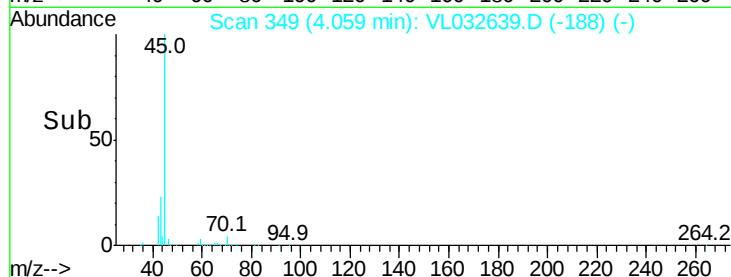
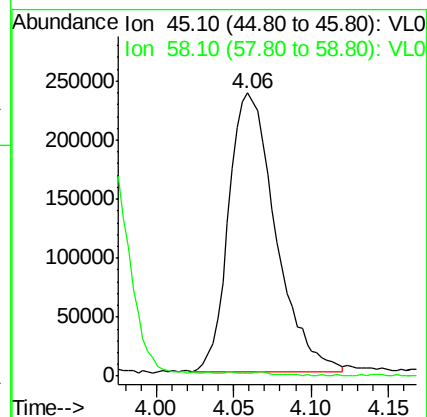
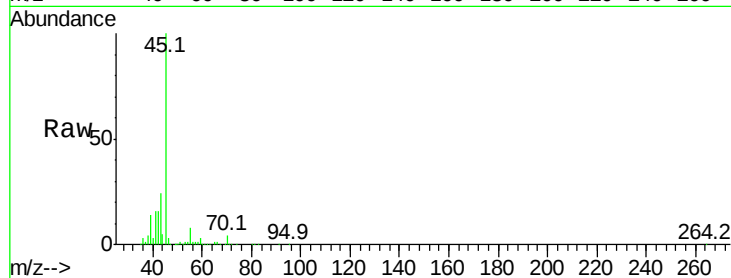
SS04-MIVI

Tgt Ion: 45 Resp: 495731

Ion Ratio Lower Upper

45 100

58 241.8 2.0 3.0#



#20

Methylene Chloride

Concen: 3.817 ppbv

RT: 4.43 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Tgt Ion: 84 Resp: 194855

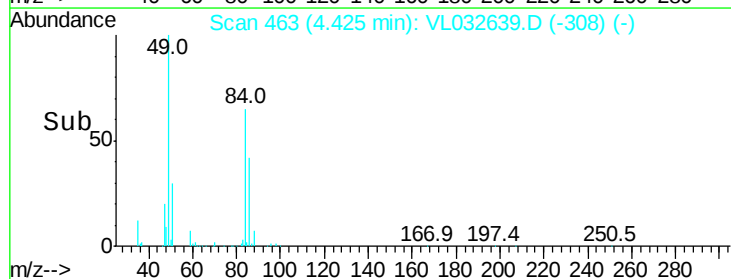
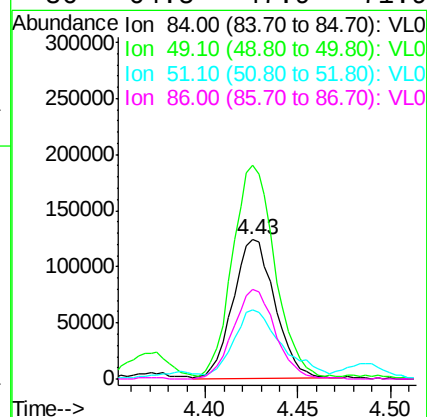
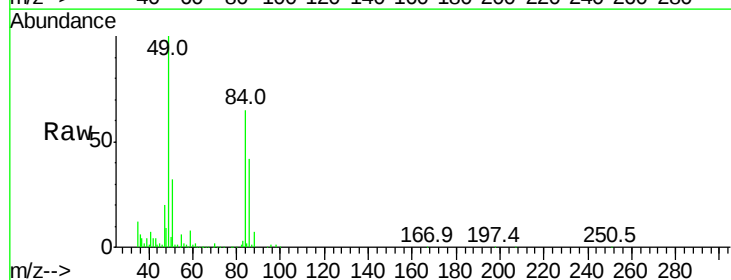
Ion Ratio Lower Upper

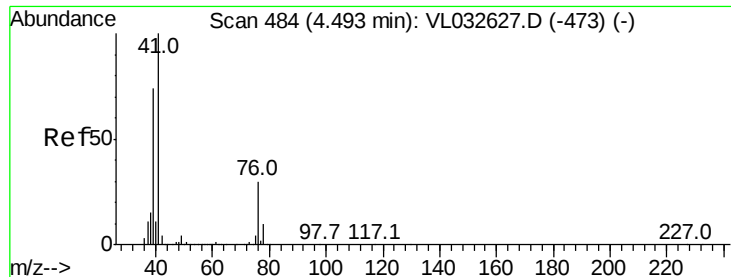
84 100

49 152.6 113.5 170.3

51 45.6 34.8 52.2

86 64.5 47.9 71.9

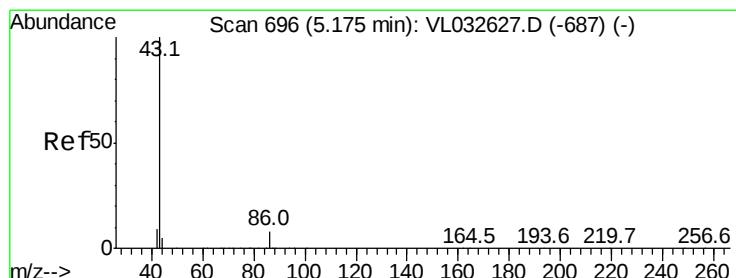
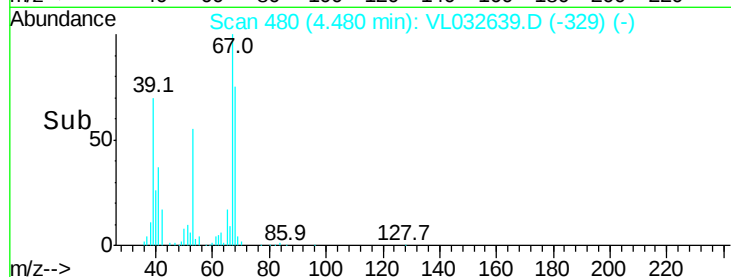
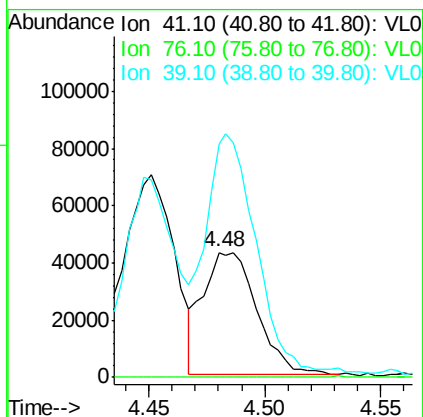
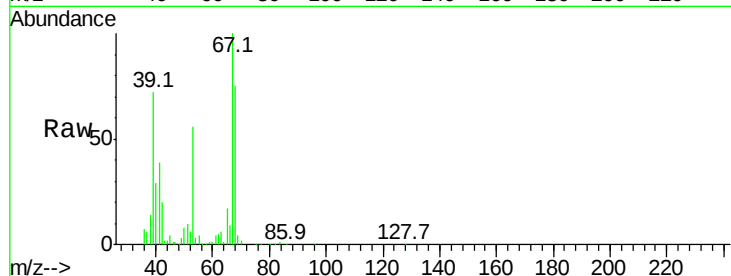




#21
 Allyl Chloride
 Concen: 0.804 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

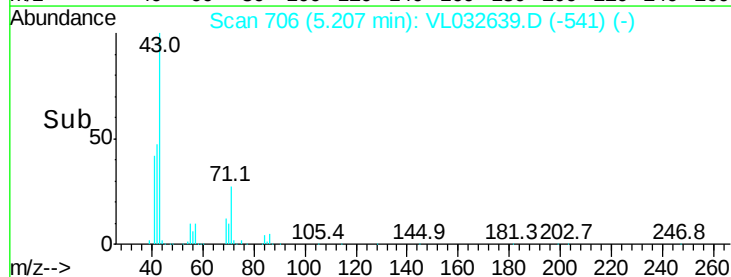
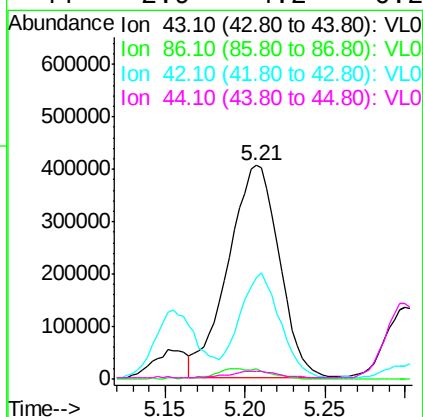
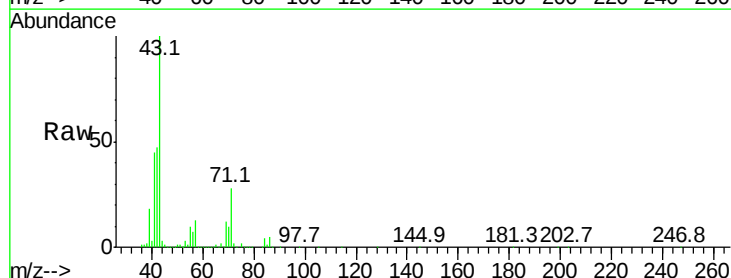
Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

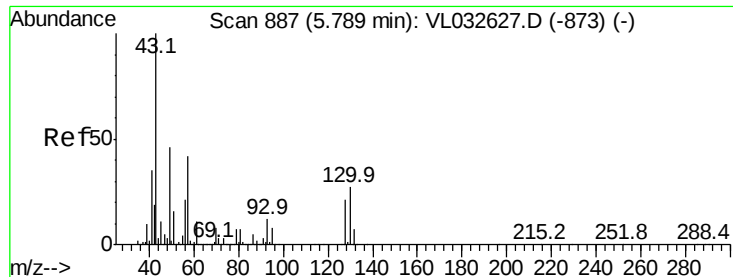
Tgt Ion: 41 Resp: 68777
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.3 36.5#
 39 175.7 60.3 90.5#



#23
 Vinyl Acetate
 Concen: 4.914 ppbv
 RT: 5.21 min Scan# 706
 Delta R.T. 0.03 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion: 43 Resp: 890871
 Ion Ratio Lower Upper
 43 100
 86 4.4 6.1 9.1#
 42 46.7 7.4 11.2#
 44 2.9 4.2 6.2#

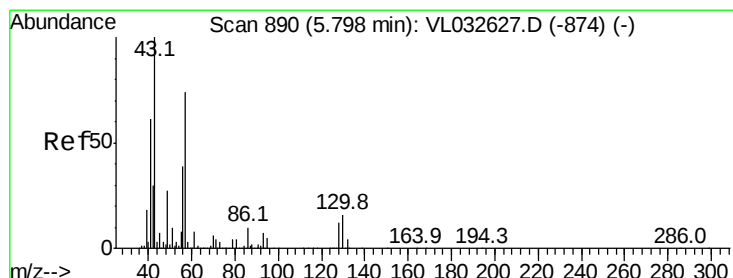
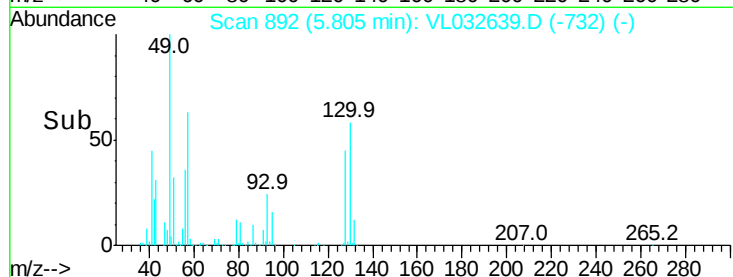
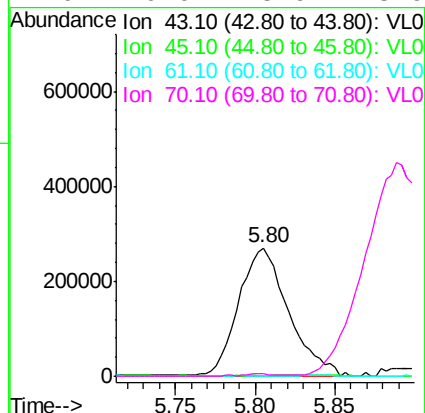
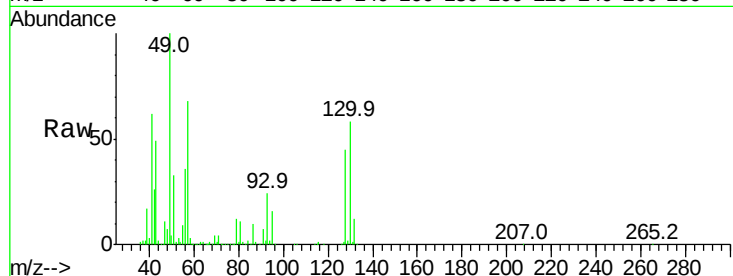




#25
Ethyl Acetate
Concen: 2.144 ppbv
RT: 5.80 min Scan# 892
Delta R.T. 0.02 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

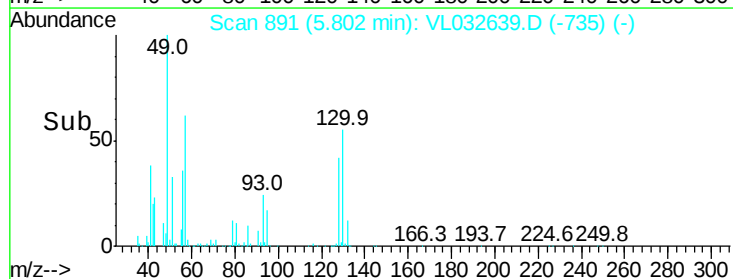
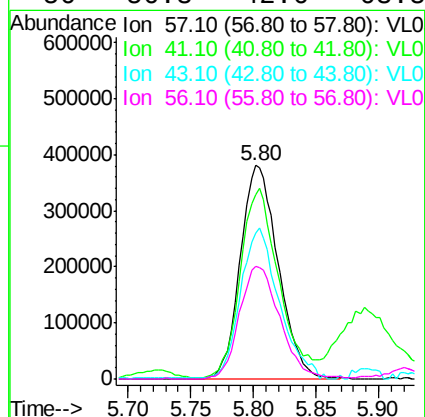
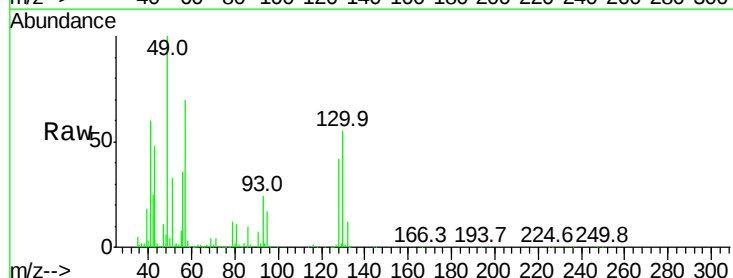
Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

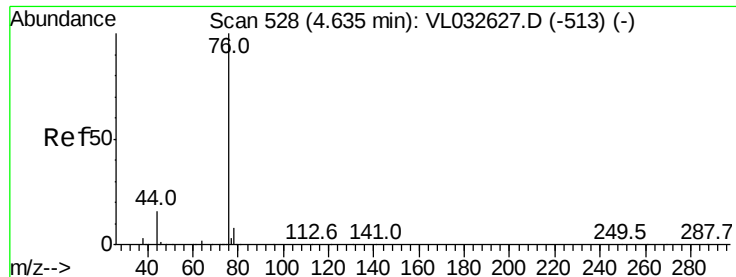
Tgt Ion:	43	Resp:	578085
Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.0	12.0#
61	0.7	8.0	12.0#
70	0.0	5.9	8.9#



#26
Hexane
Concen: 6.592 ppbv
RT: 5.80 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion:	57	Resp:	800714
Ion	Ratio	Lower	Upper
57	100		
41	89.7	67.4	101.0
43	72.5	171.9	257.9#
56	56.3	42.6	63.8





#27

Carbon Disulfide

Concen: 1.013 ppbv

RT: 4.64 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

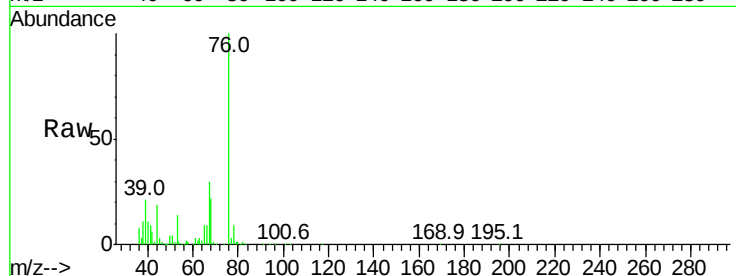
Tgt Ion: 76 Resp: 148613

Ion Ratio Lower Upper

76 100

44 20.0 13.7 20.5

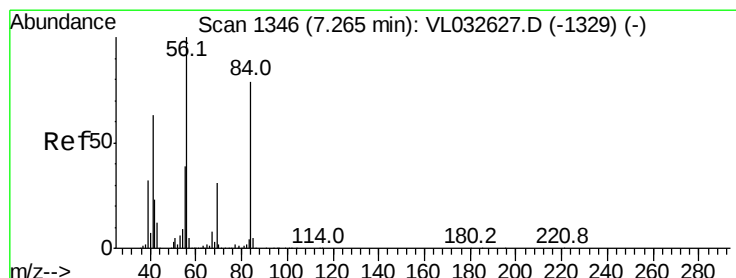
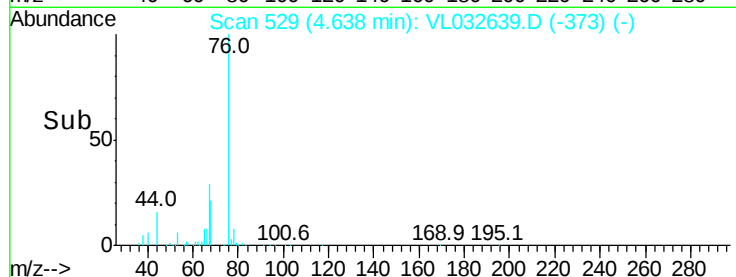
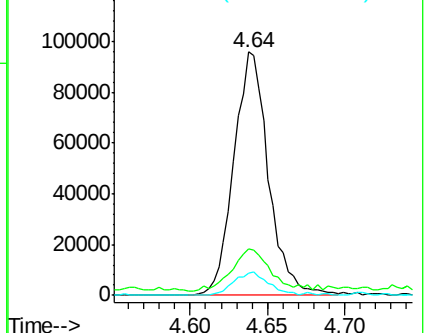
78 10.0 7.4 11.2



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



#30

Cyclohexane

Concen: 2.010 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

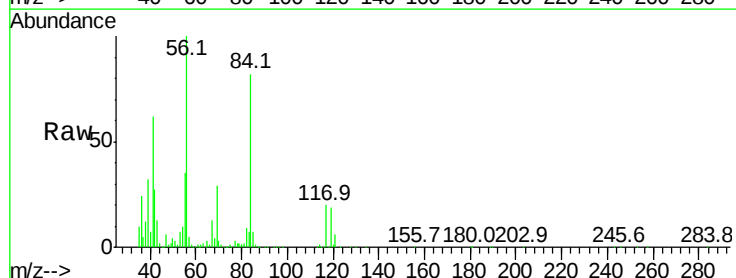
Tgt Ion: 84 Resp: 192491

Ion Ratio Lower Upper

84 100

56 210.7 108.3 162.5#

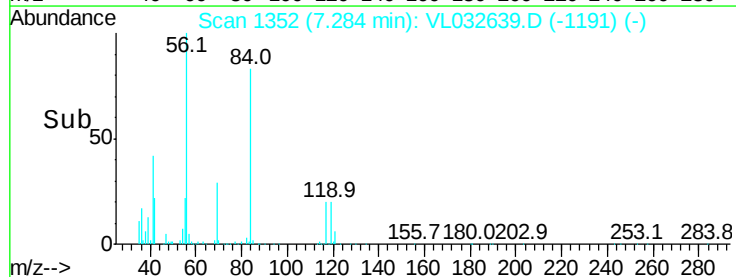
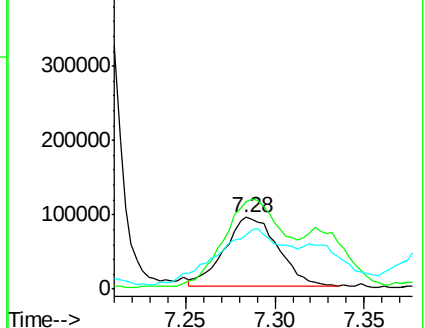
41 161.3 64.8 97.2#

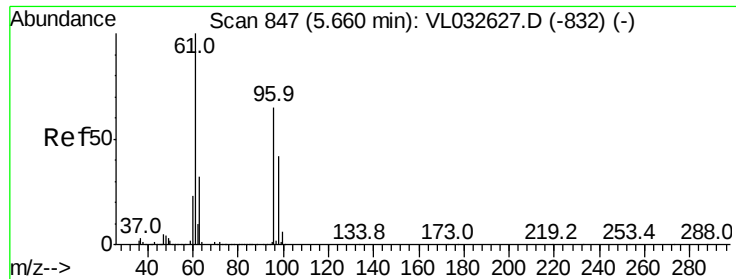


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.738 ppbv

RT: 5.67 min Scan# 851

Delta R.T. 0.01 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

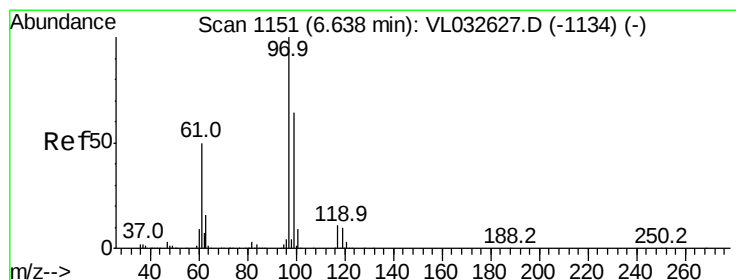
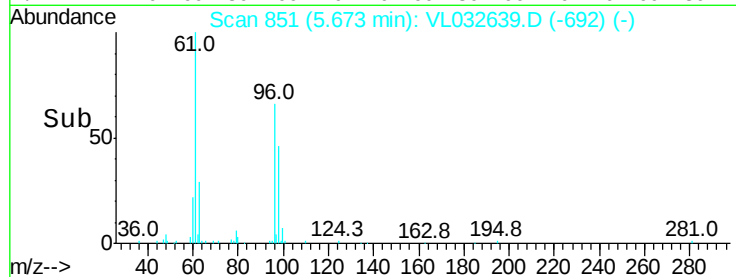
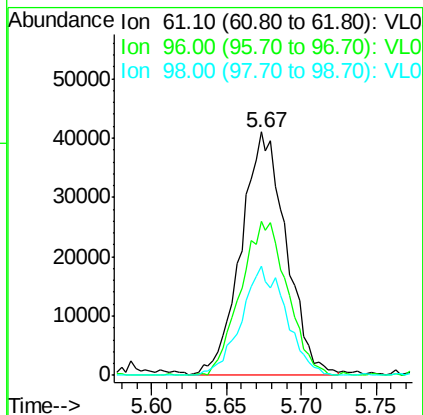
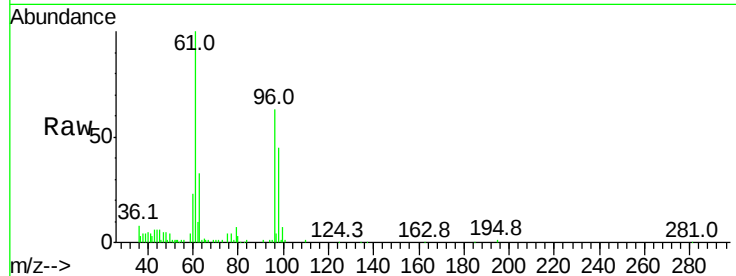
Tgt Ion: 61 Resp: 86167

Ion Ratio Lower Upper

61 100

96 63.5 51.8 77.6

98 44.9 33.8 50.6



#32

1,1,1-Trichloroethane

Concen: 0.037 ppbv

RT: 6.66 min Scan# 1159

Delta R.T. 0.03 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

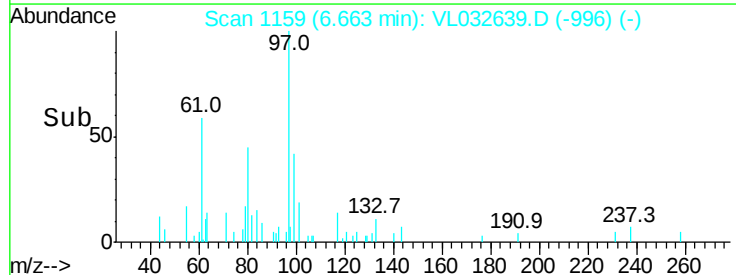
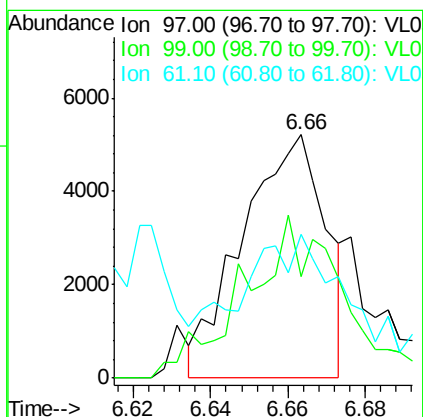
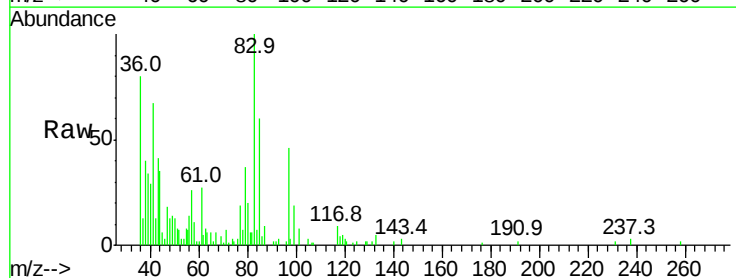
Tgt Ion: 97 Resp: 7781

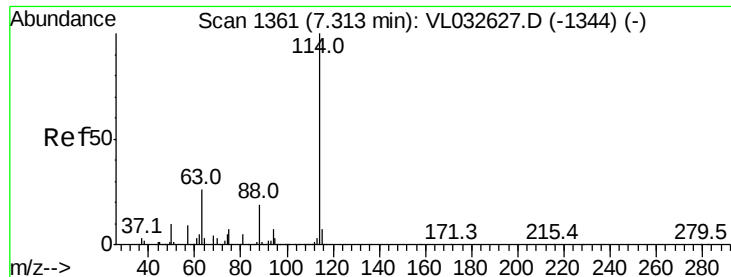
Ion Ratio Lower Upper

97 100

99 76.3 52.0 78.0

61 69.0 40.7 61.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1367

Delta R.T. 0.02 min

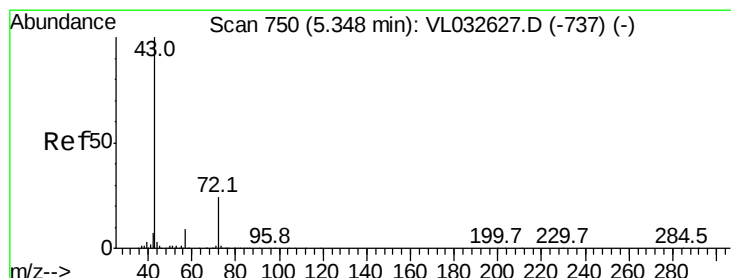
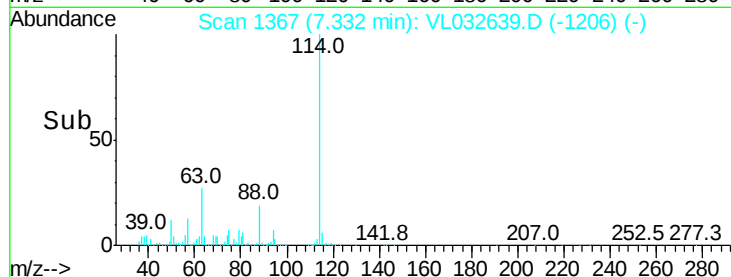
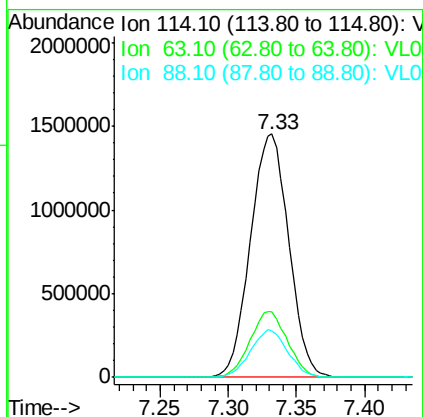
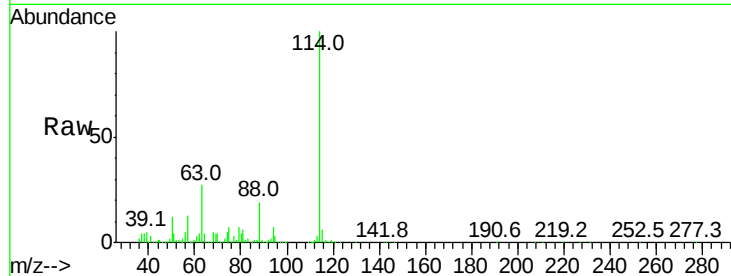
Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Tgt Ion:114 Resp: 2835270

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.7	32.5
88	18.8	14.9	22.3



#34

2-Butanone

Concen: 10.449 ppbv

RT: 5.37 min Scan# 758

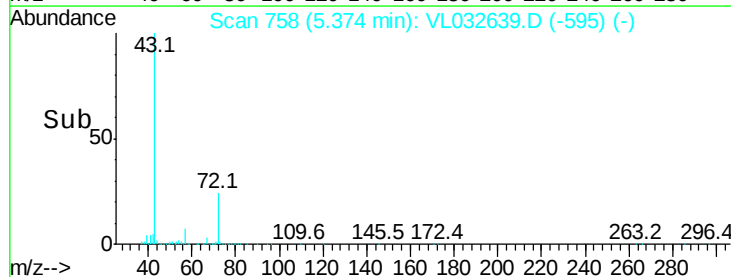
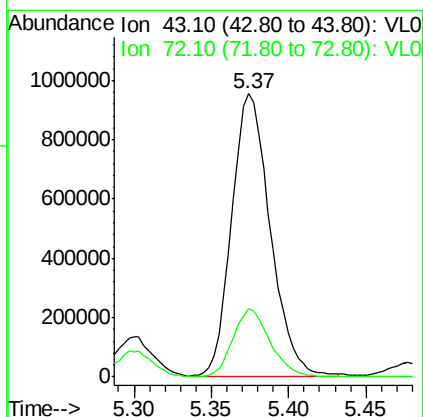
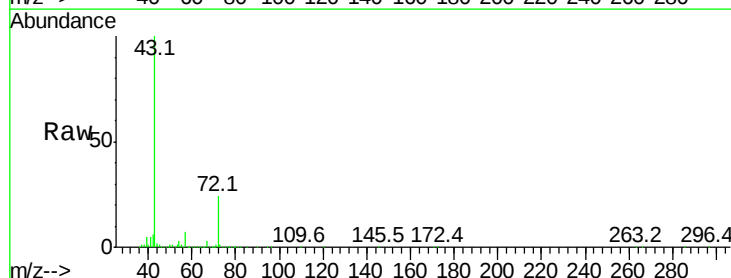
Delta R.T. 0.03 min

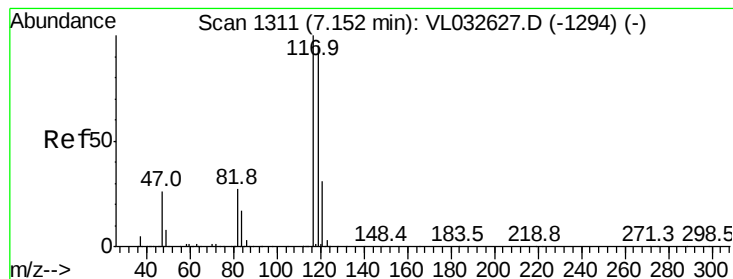
Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Tgt Ion: 43 Resp: 1644283

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	27.8





#35

Carbon Tetrachloride

Concen: 112.318 ppbv

RT: 7.18 min Scan# 1319

Delta R.T. 0.03 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

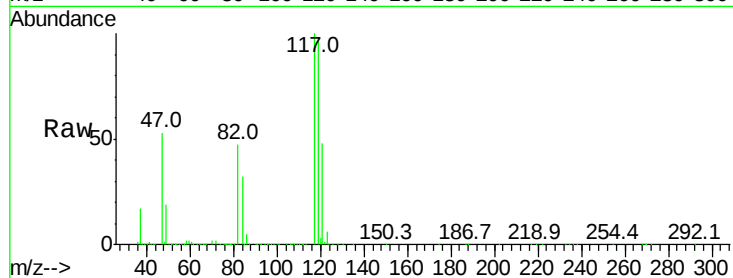
Tgt Ion:117 Resp:24679946

Ion Ratio Lower Upper

117 100

119 97.9 75.7 113.5

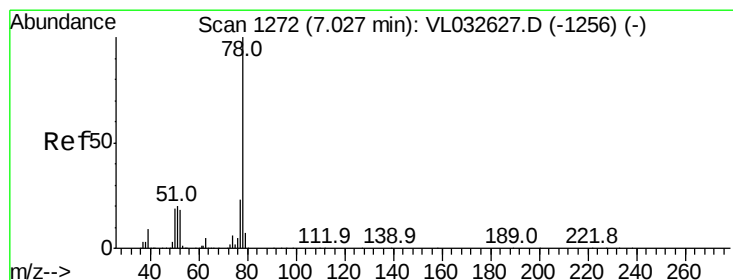
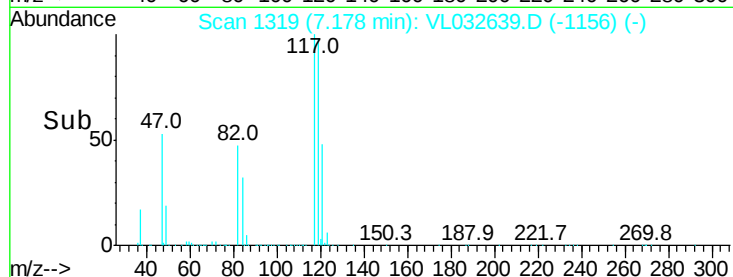
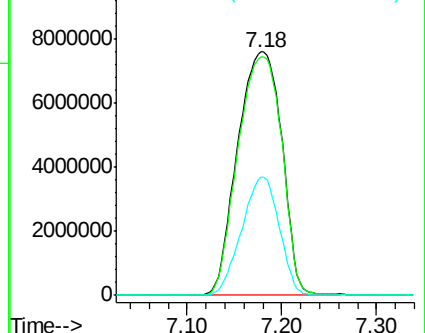
121 48.4 24.7 37.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 15.018 ppbv

RT: 7.05 min Scan# 1279

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

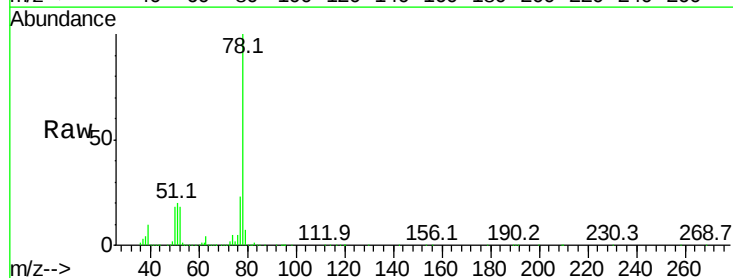
Tgt Ion: 78 Resp: 3451379

Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

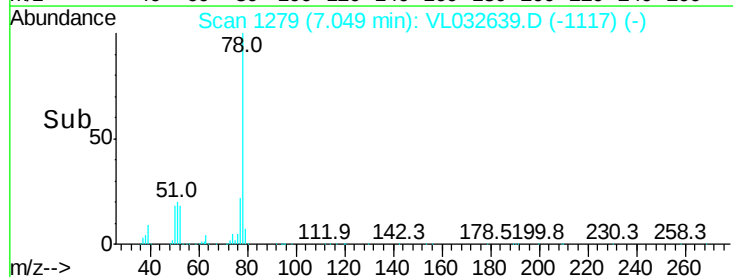
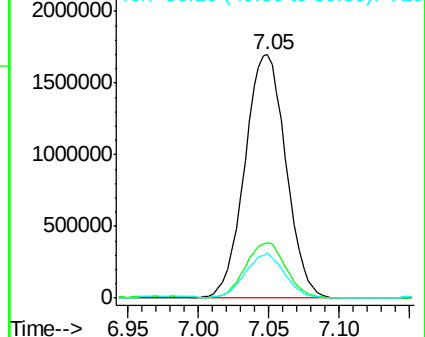
50 18.2 15.1 22.7

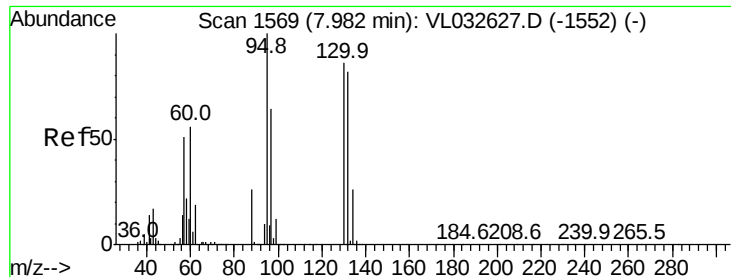


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 10.168 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion:130 Resp: 878572

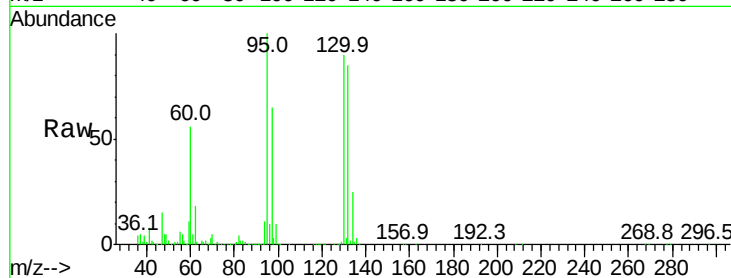
Ion Ratio Lower Upper

130 100

95 111.6 93.4 140.0

132 95.4 76.5 114.7

97 73.1 60.2 90.2

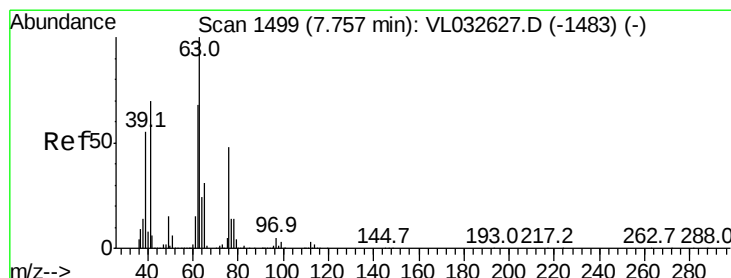
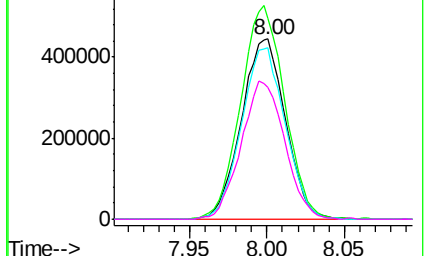
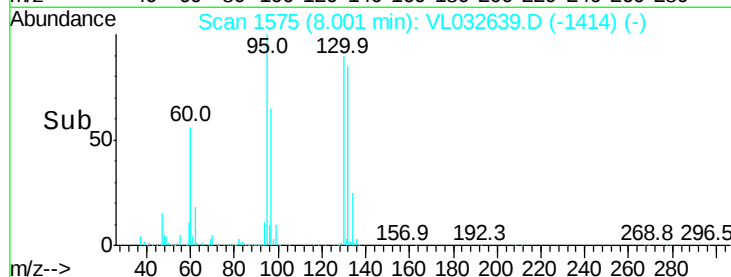


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.935 ppbv

RT: 7.33 min Scan# 1367

Delta R.T. -0.42 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

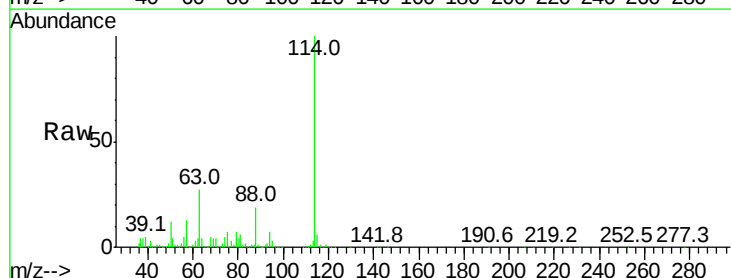
Tgt Ion: 63 Resp: 741820

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

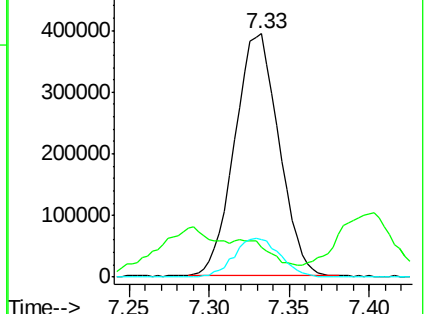
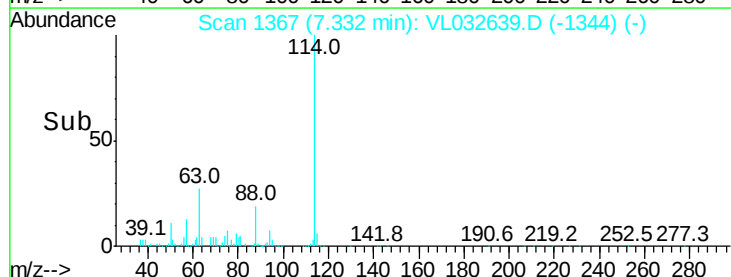
62 15.6 54.4 81.6#

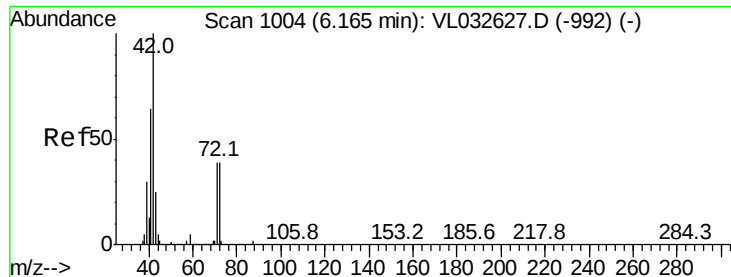


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.798 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.03 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

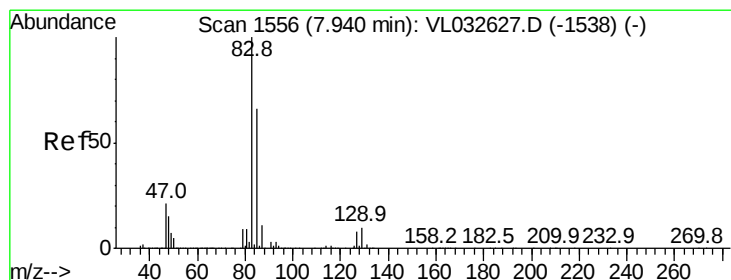
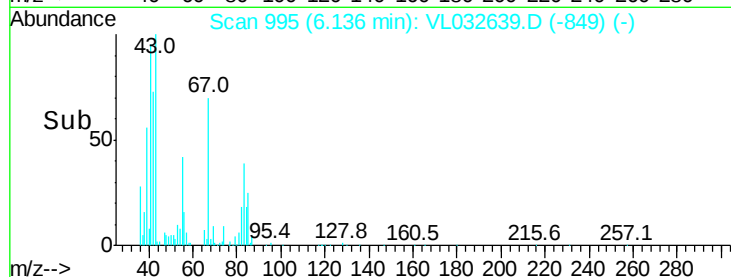
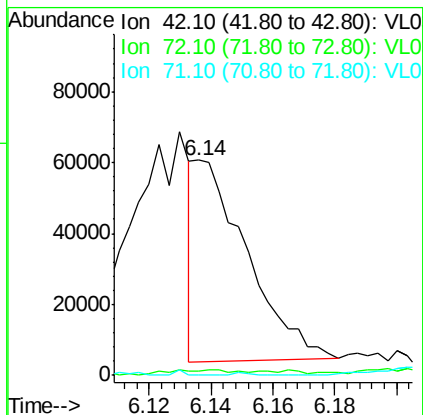
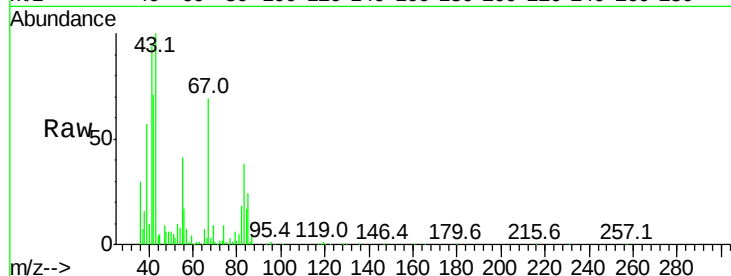
Tgt Ion: 42 Resp: 66631

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 0.0 31.3 46.9#



#42

Bromodichloromethane

Concen: 0.241 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.03 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

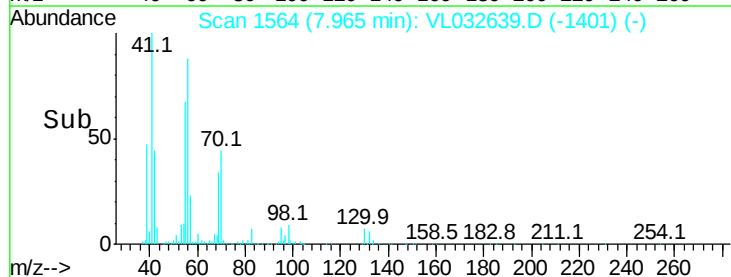
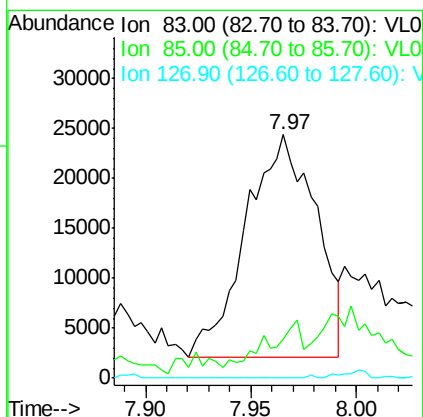
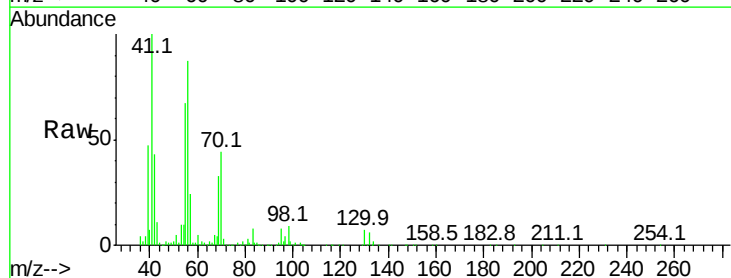
Tgt Ion: 83 Resp: 51845

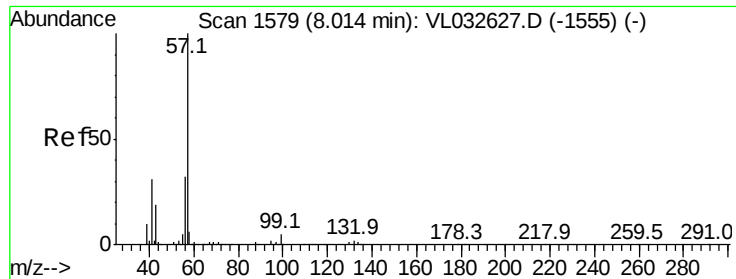
Ion Ratio Lower Upper

83 100

85 13.3 52.4 78.6#

127 0.0 6.1 9.1#





#44

2,2,4-Trimethylpentane

Concen: 0.117 ppbv

RT: 8.03 min Scan# 1584

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

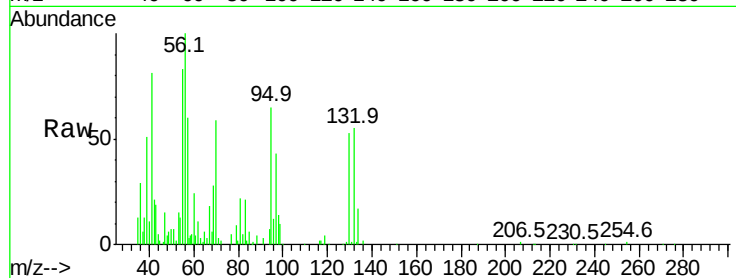
Tgt Ion: 57 Resp: 47501

Ion Ratio Lower Upper

57 100

41 131.6 24.7 37.1#

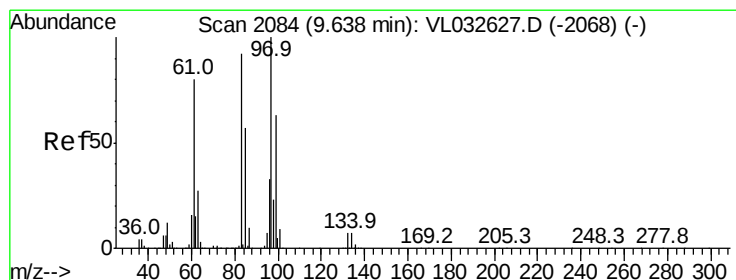
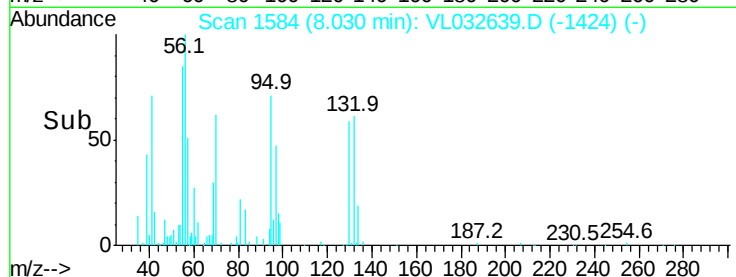
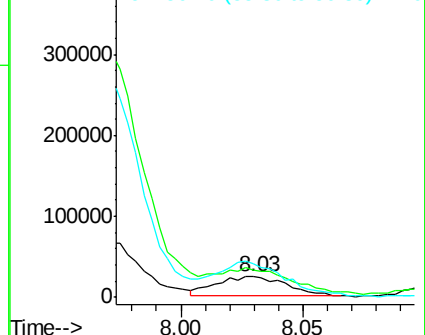
56 174.6 25.0 37.4#



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



#47

1,1,2-Trichloroethane

Concen: 0.063 ppbv

RT: 9.65 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Tgt Ion: 97 Resp: 6986

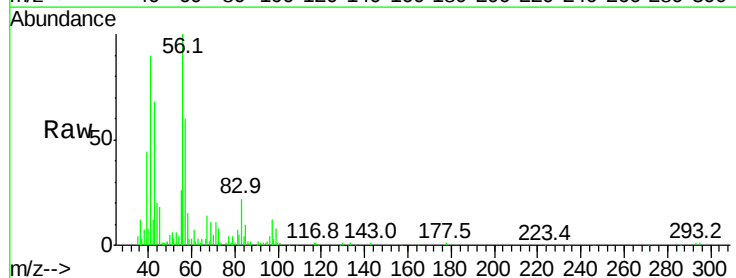
Ion Ratio Lower Upper

97 100

83 138.2 73.5 110.3#

85 52.1 45.8 68.6

99 56.0 50.6 75.8

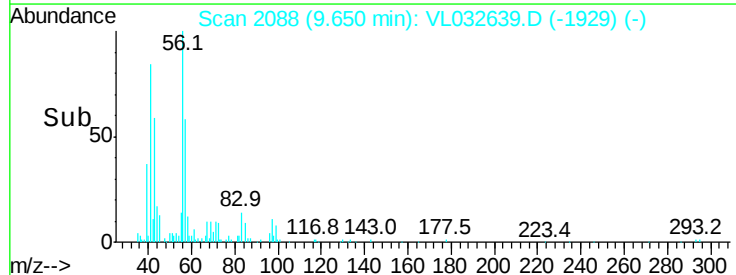
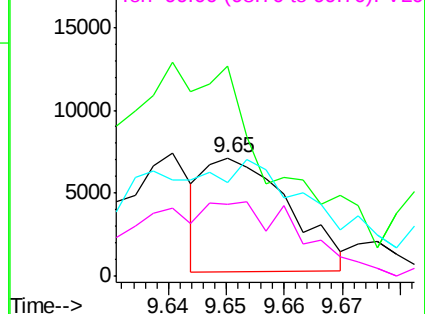


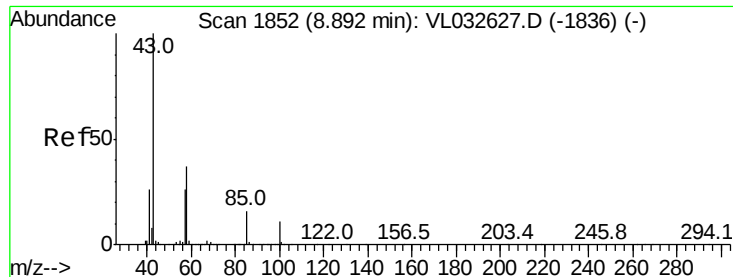
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

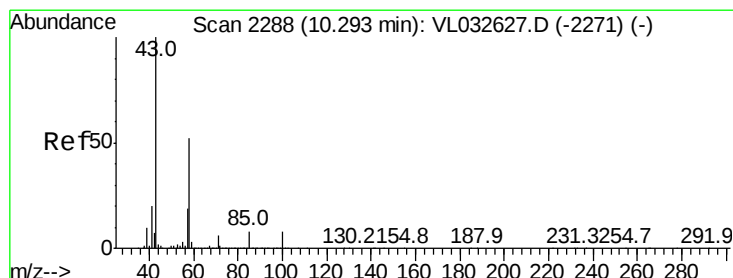
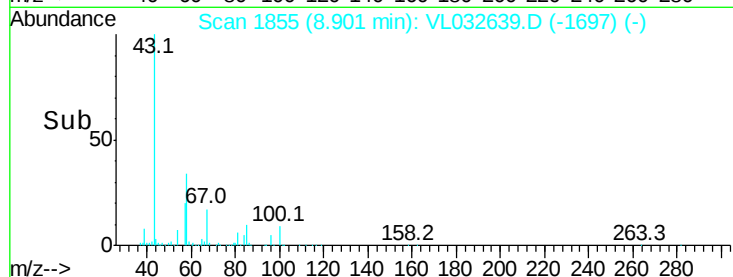
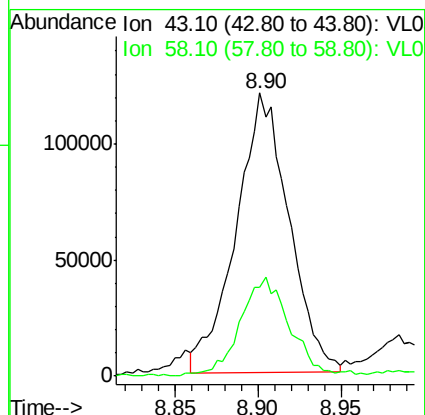
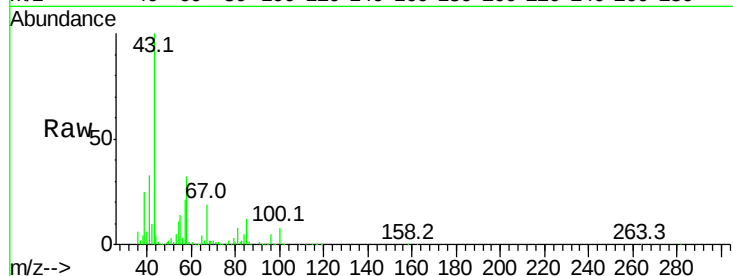




#50
 4-Methyl-2-Pentanone
 Concen: 1.151 ppbv
 RT: 8.90 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

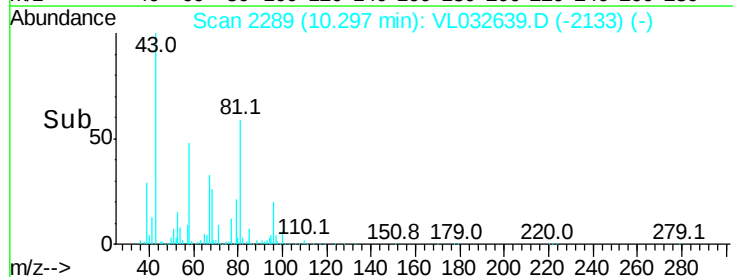
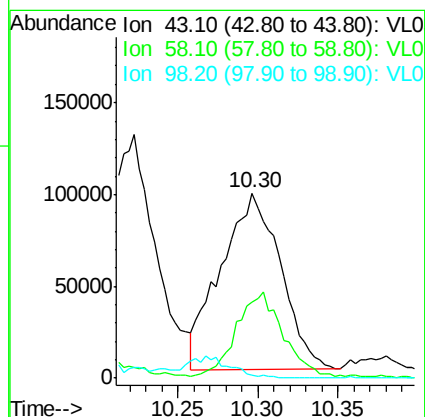
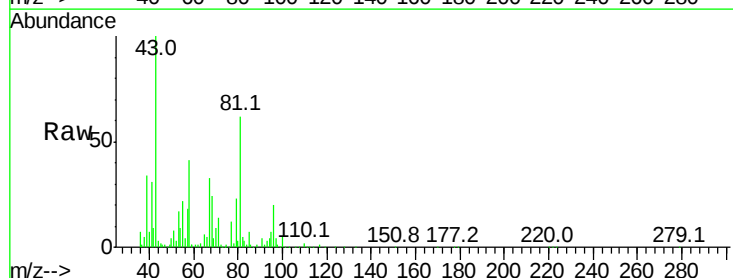
Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

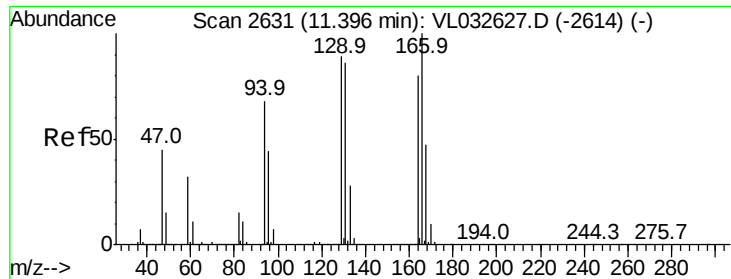
Tgt Ion: 43 Resp: 266622
 Ion Ratio Lower Upper
 43 100
 58 33.8 29.7 44.5



#51
 2-Hexanone
 Concen: 1.359 ppbv
 RT: 10.30 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion: 43 Resp: 247456
 Ion Ratio Lower Upper
 43 100
 58 38.6 40.4 60.6#
 98 14.5 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.989 ppbv

RT: 11.40 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion:164 Resp: 74848

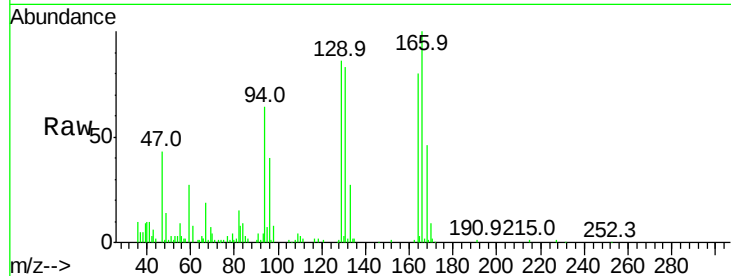
Ion Ratio Lower Upper

164 100

166 125.8 100.5 150.7

129 108.7 90.0 135.0

131 104.6 86.6 129.8

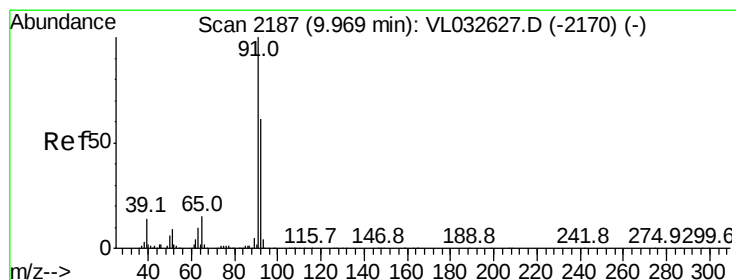
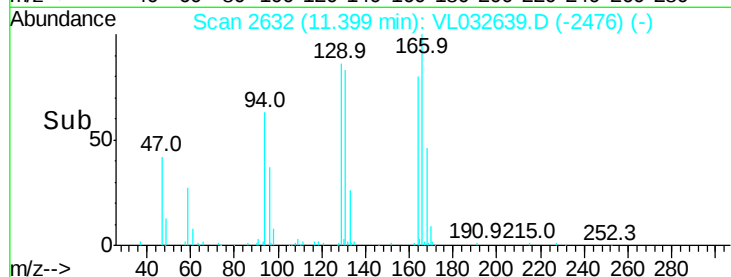
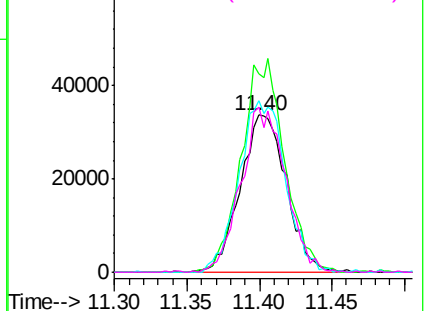


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 12.686 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL032639.D

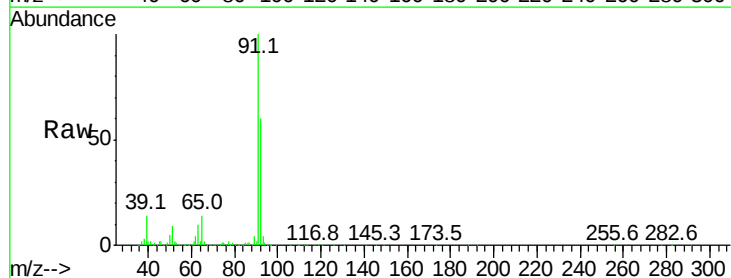
Acq: 17 Oct 2018 13:50

Tgt Ion: 91 Resp: 3323792

Ion Ratio Lower Upper

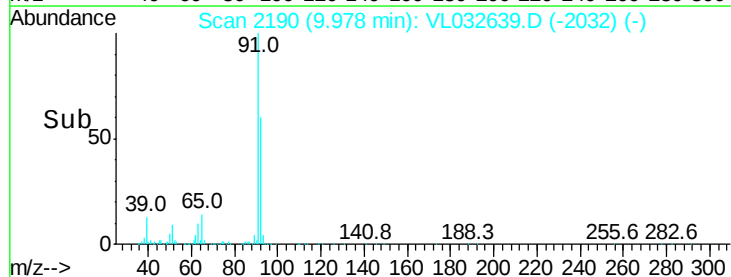
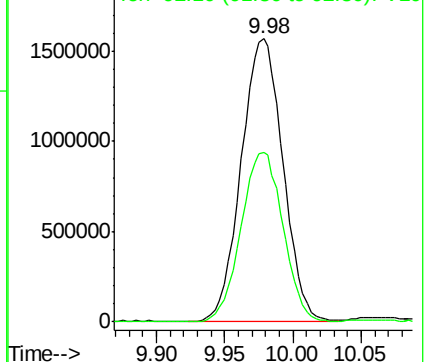
91 100

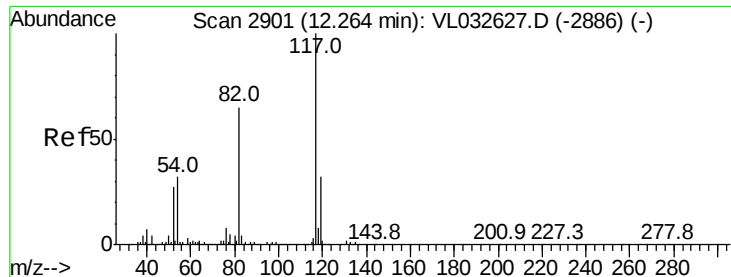
92 60.3 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

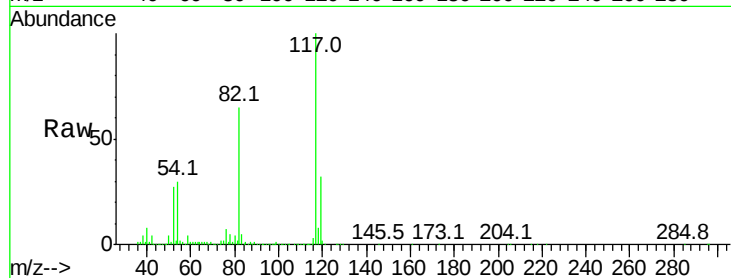
Tgt Ion:117 Resp: 2926239

Ion Ratio Lower Upper

117 100

82 67.3 52.7 79.1

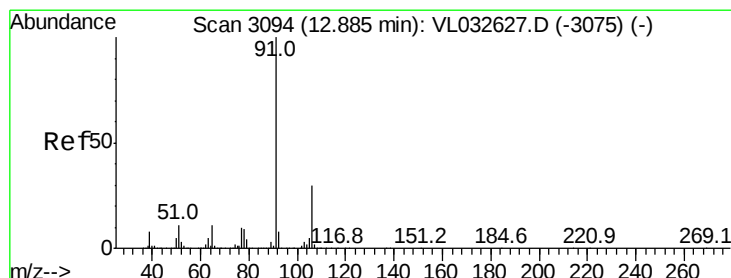
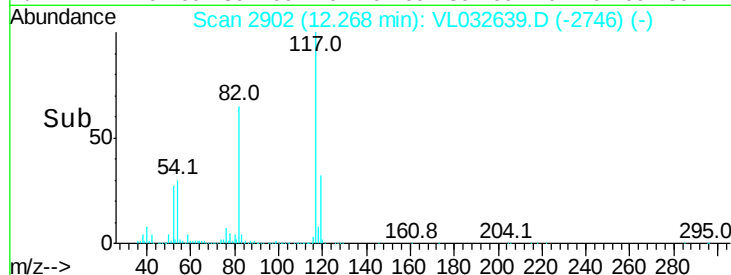
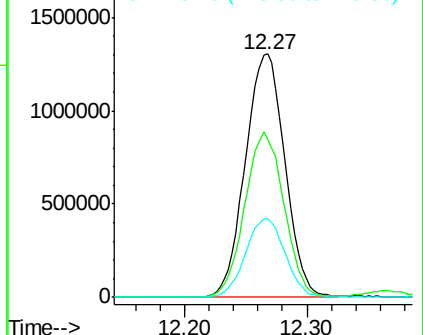
119 32.5 26.7 40.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 1.371 ppbv

RT: 12.89 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL032639.D

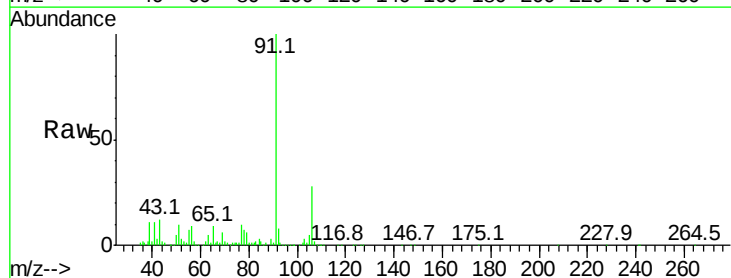
Acq: 17 Oct 2018 13:50

Tgt Ion: 91 Resp: 450690

Ion Ratio Lower Upper

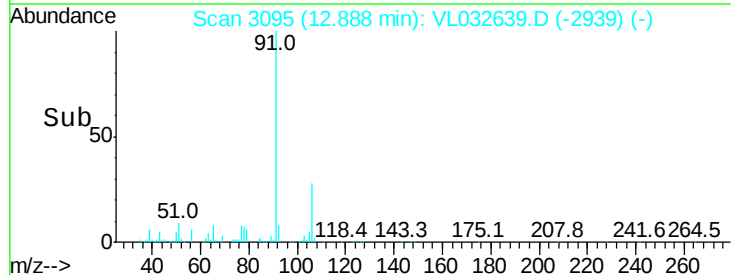
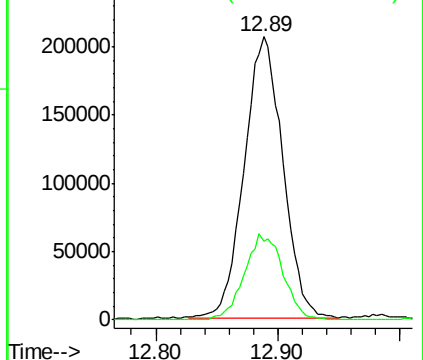
91 100

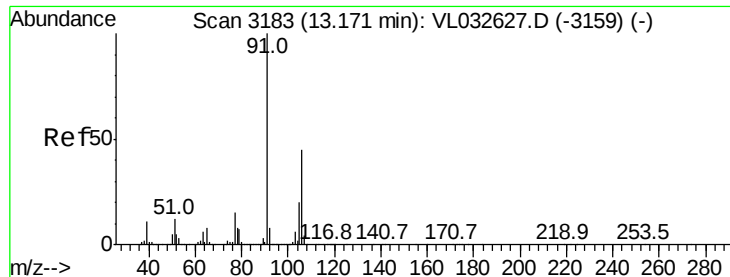
106 27.9 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.602 ppbv

RT: 13.14 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

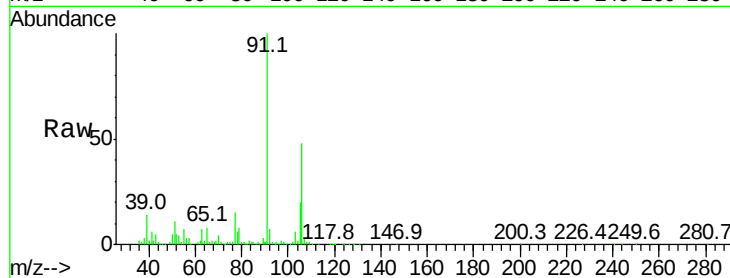
SS04-MIVI

Tgt Ion: 91 Resp: 763183

Ion Ratio Lower Upper

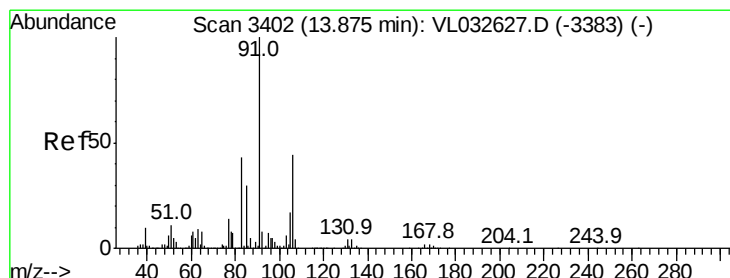
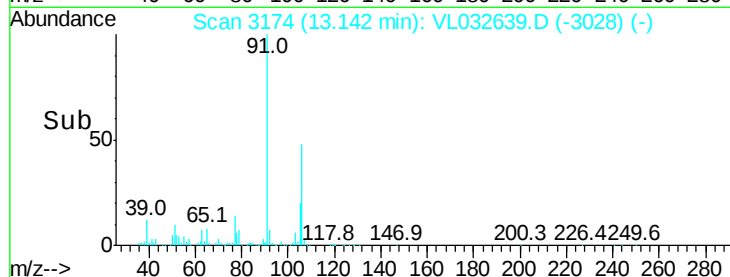
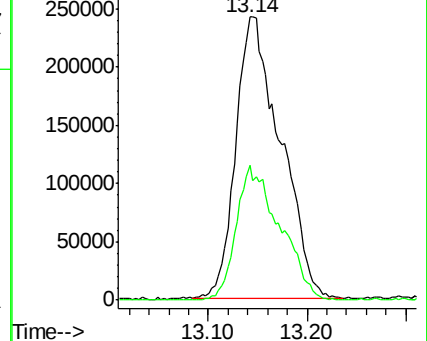
91 100

106 46.6 35.9 53.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.984 ppbv

RT: 13.87 min Scan# 3400

Delta R.T. -0.01 min

Lab File: VL032639.D

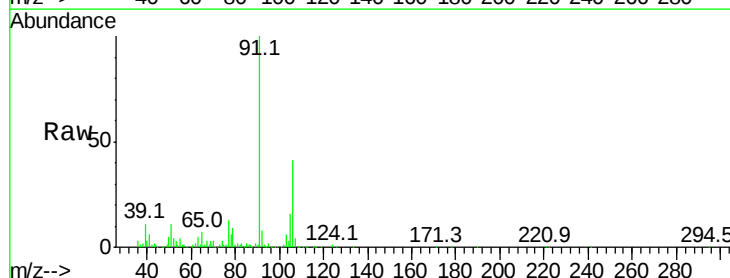
Acq: 17 Oct 2018 13:50

Tgt Ion: 91 Resp: 287574

Ion Ratio Lower Upper

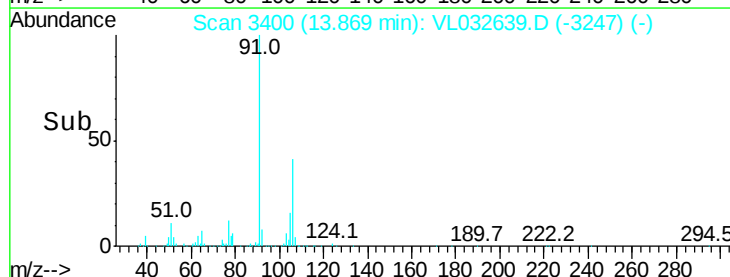
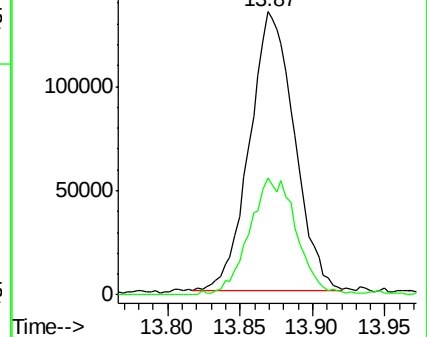
91 100

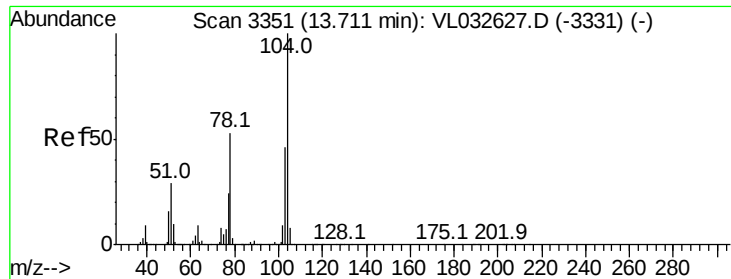
106 45.0 22.1 66.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.243 ppbv

RT: 13.71 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

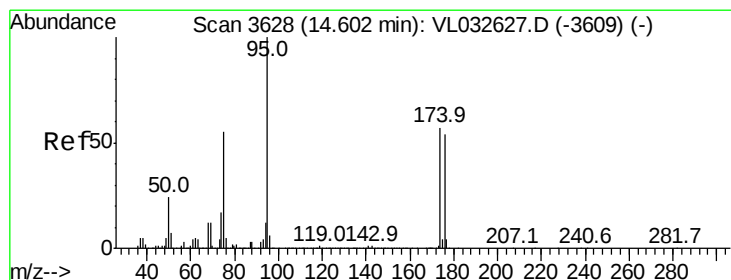
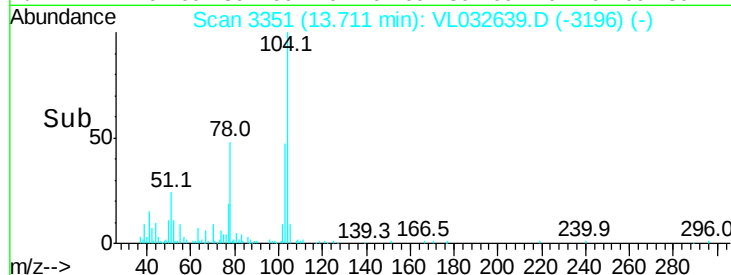
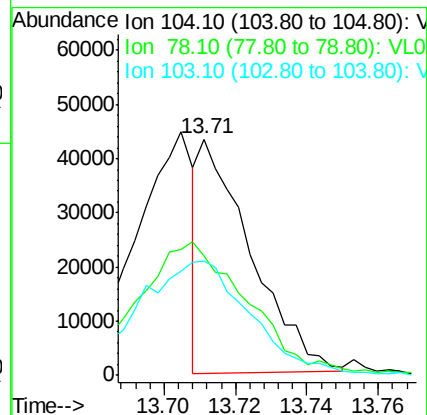
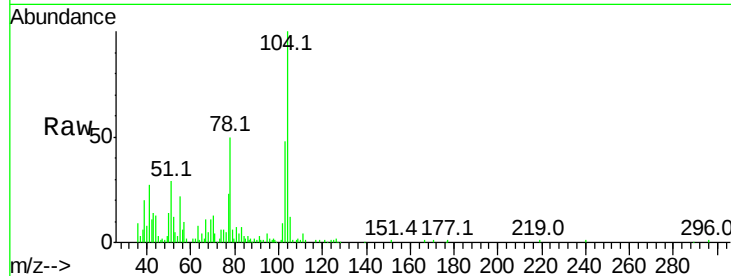
Tgt Ion: 104 Resp: 43021

Ion Ratio Lower Upper

104 100

78 129.6 42.8 64.2#

103 110.2 37.4 56.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.228 ppbv

RT: 14.60 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

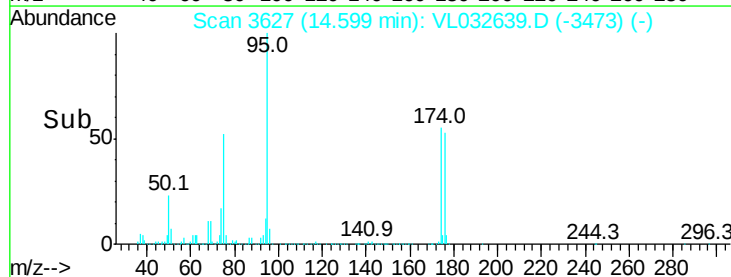
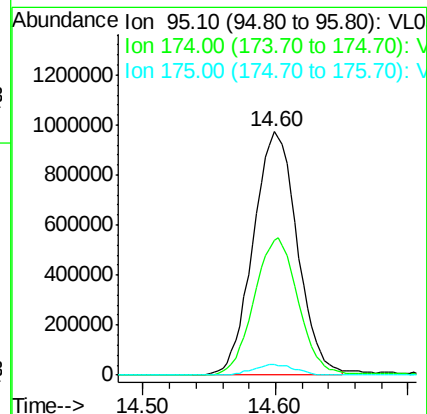
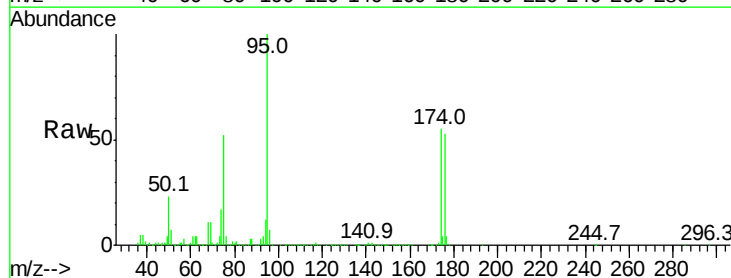
Tgt Ion: 95 Resp: 2253512

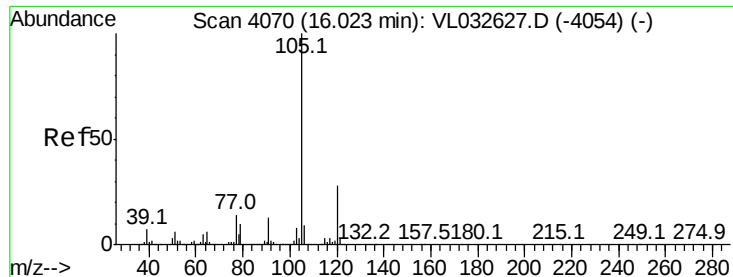
Ion Ratio Lower Upper

95 100

174 57.5 46.0 69.0

175 4.2 3.4 5.0





#72

4-Ethyltoluene

Concen: 0.192 ppbv

RT: 16.03 min Scan# 4071

Delta R.T. 0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

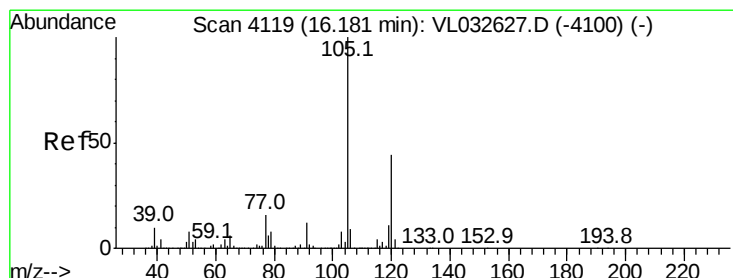
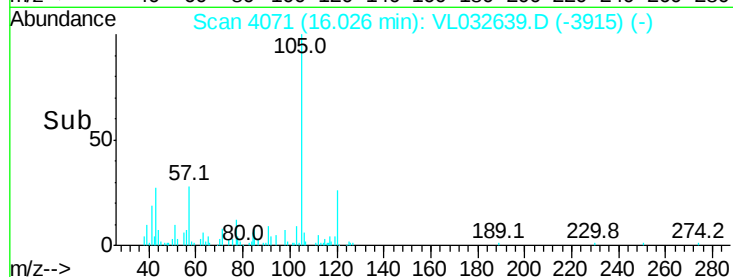
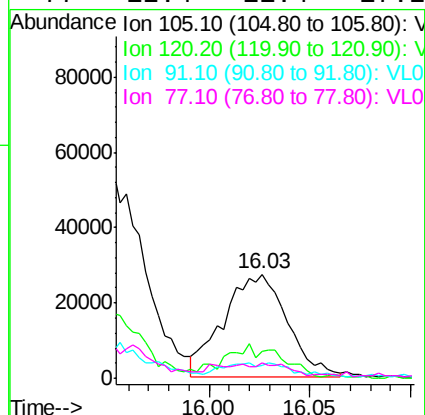
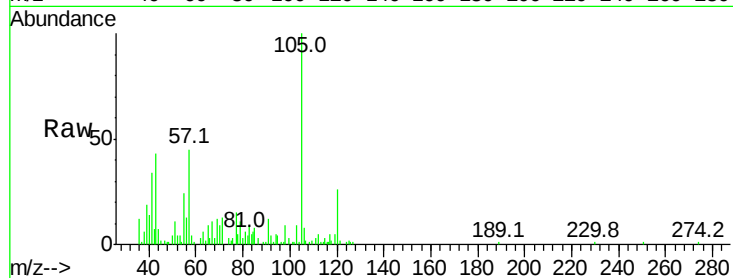
Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion:	105	Resp:	60521
Ion Ratio	Lower	Upper	
105	100		
120	31.6	23.7	35.5
91	13.6	10.4	15.6
77	12.4	11.4	17.2



#73

1,3,5-Trimethylbenzene

Concen: 0.072 ppbv

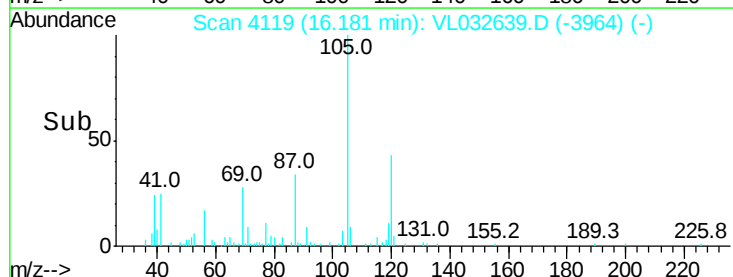
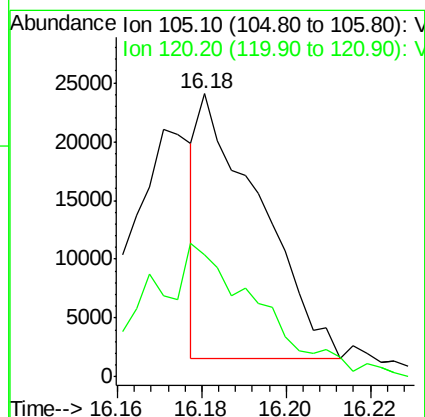
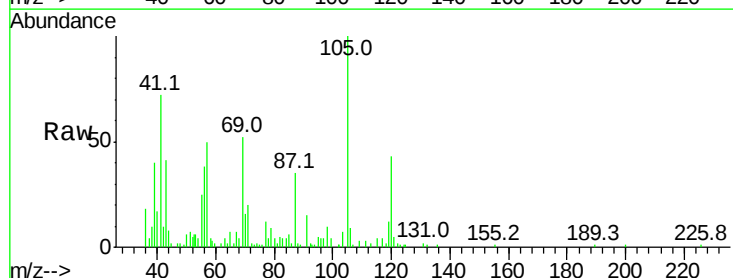
RT: 16.18 min Scan# 4119

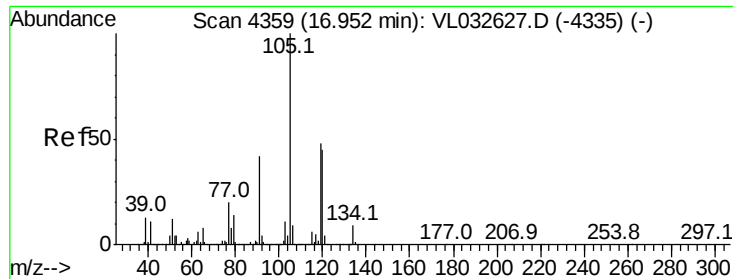
Delta R.T. -0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Tgt Ion:	105	Resp:	22642
Ion Ratio	Lower	Upper	
105	100		
120	39.1	35.4	53.2

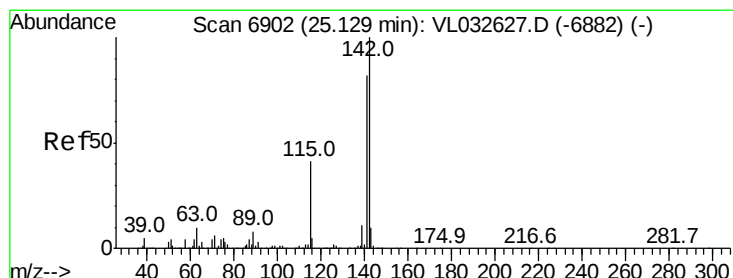
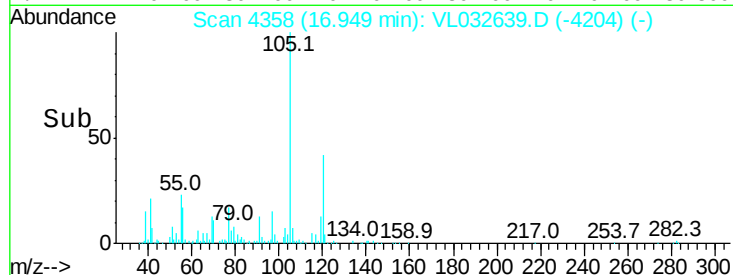
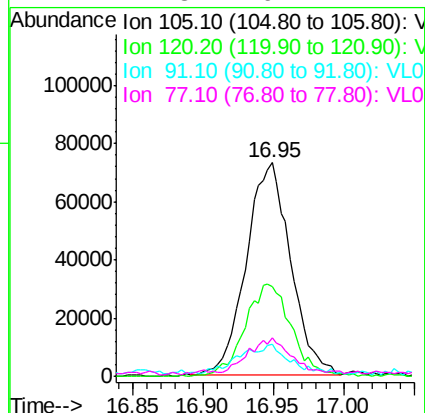
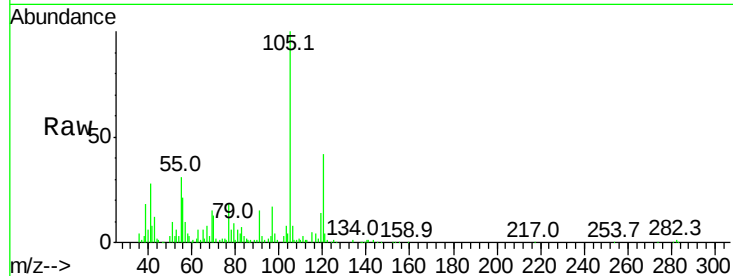




#74
 1,2,4-Trimethylbenzene
 Concen: 0.464 ppbv
 RT: 16.95 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

Tgt Ion:	105	Resp:	160412
Ion Ratio	Lower	Upper	
105	100		
120	41.9	35.8	53.8
91	13.1	33.2	49.8#
77	17.3	16.2	24.4



#80
 Naphthalene,2-methyl-
 Concen: 0.769 ppbv
 RT: 25.13 min Scan# 6903
 Delta R.T. 0.00 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion:	142	Resp:	2344
Ion Ratio	Lower	Upper	
142	100		
141	92.5	67.5	101.3
115	85.2	33.5	50.3#

