

Data File : VL032646.D
Acq On : 17 Oct 2018 18:15
Operator : SY/AP
Sample : J5500-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Quant Time: Oct 18 09:53:56 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)
1) Bromochloromethane	5.78	49	1243979	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2834040	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2872102	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2304714	10.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	5900	Below Cal	#	85
3) Chlorodifluoromethane	3.02	51	3750	0.036	ppbv	97
4) Chloromethane	3.18	50	31657	0.557	ppbv	95
9) Propene	3.25	41	2473340	64.818	ppbv	96
10) Heptane	8.27	43	2738050	19.161	ppbv	99
11) Trichlorofluoromethane	4.02	101	10051	0.063	ppbv	92
13) Ethanol	3.67	45	70752	5.992	ppbv	100
15) Acetone	3.94	43	5230260	47.245	ppbv #	60
16) 1,3-Butadiene	3.41	39	1081106	26.374	ppbv #	1
17) tert-Butyl alcohol	4.35	59	451	0.045	ppbv #	100
19) Isopropyl Alcohol	4.05	45	65826	0.842	ppbv #	93
20) Methylene Chloride	4.42	84	45285	0.913	ppbv	97
21) Allyl Chloride	4.69	41	143409	1.726	ppbv #	66
23) Vinyl Acetate	5.16	43	827349	4.698	ppbv #	1
25) Ethyl Acetate	5.80	43	2927827	11.177	ppbv #	76
26) Hexane	5.80	57	4268295	36.176	ppbv #	43
27) Carbon Disulfide	4.64	76	24560	0.172	ppbv #	74
29) Chloroform	5.87	83	377280	1.824	ppbv	94
30) Cyclohexane	7.27	84	5521121	59.337	ppbv	97
34) 2-Butanone	5.35	43	80393	0.511	ppbv	97
35) Carbon Tetrachloride	7.16	117	83749	0.381	ppbv	94
36) Benzene	7.03	78	1175678	5.118	ppbv	99
39) 1,2-Dichloropropane	7.31	63	795388	8.511	ppbv #	25
41) Tetrahydrofuran	6.44	42	1346511	16.135	ppbv #	35
42) Bromodichloromethane	7.94	83	76092	0.354	ppbv #	24
43) Methyl Methacrylate	8.27	69	34598	0.388	ppbv #	1
44) 2,2,4-Trimethylpentane	8.02	57	106668	0.262	ppbv #	1
50) 4-Methyl-2-Pentanone	8.98	43	691736	2.988	ppbv #	43
51) 2-Hexanone	10.27	43	290802	1.597	ppbv #	31
52) Tetrachloroethene	11.40	164	104299	1.379	ppbv	97
53) Toluene	9.97	91	13025435	49.736	ppbv	95
57) Chlorobenzene	12.36	112	628572	2.878	ppbv #	31
58) Ethyl Benzene	12.89	91	5437419	16.858	ppbv	99
59) m/p-Xylene	13.15	91	11212919	38.943	ppbv	97
60) o-Xylene	13.87	91	4102983	14.300	ppbv	99
62) Isopropylbenzene	14.85	105	298608	0.731	ppbv	99
64) n-propylbenzene	15.75	120	160333	1.548	ppbv	93
65) tert-Butylbenzene	16.95	119	274563	0.792	ppbv #	68
66) Benzyl Chloride	16.95	91	121191	0.620	ppbv #	66
67) sec-Butylbenzene	17.48	105	54137	0.104	ppbv	94
69) p-Isopropyltoluene	17.73	119	112643	0.285	ppbv	92

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

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Quant Time: Oct 18 09:53:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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)
70) n-Butylbenzene	18.74	91	72062	0.166	ppbv #	77
71) 2-Chlorotoluene	15.75	91	799741	2.647	ppbv #	46
72) 4-Ethyltoluene	16.02	105	1360192	4.386	ppbv	98
73) 1,3,5-Trimethylbenzene	16.18	105	851613	2.761	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	2534130	7.461	ppbv #	79
80) Naphthalene,2-methyl-	25.15	142	480	0.746	ppbv #	70

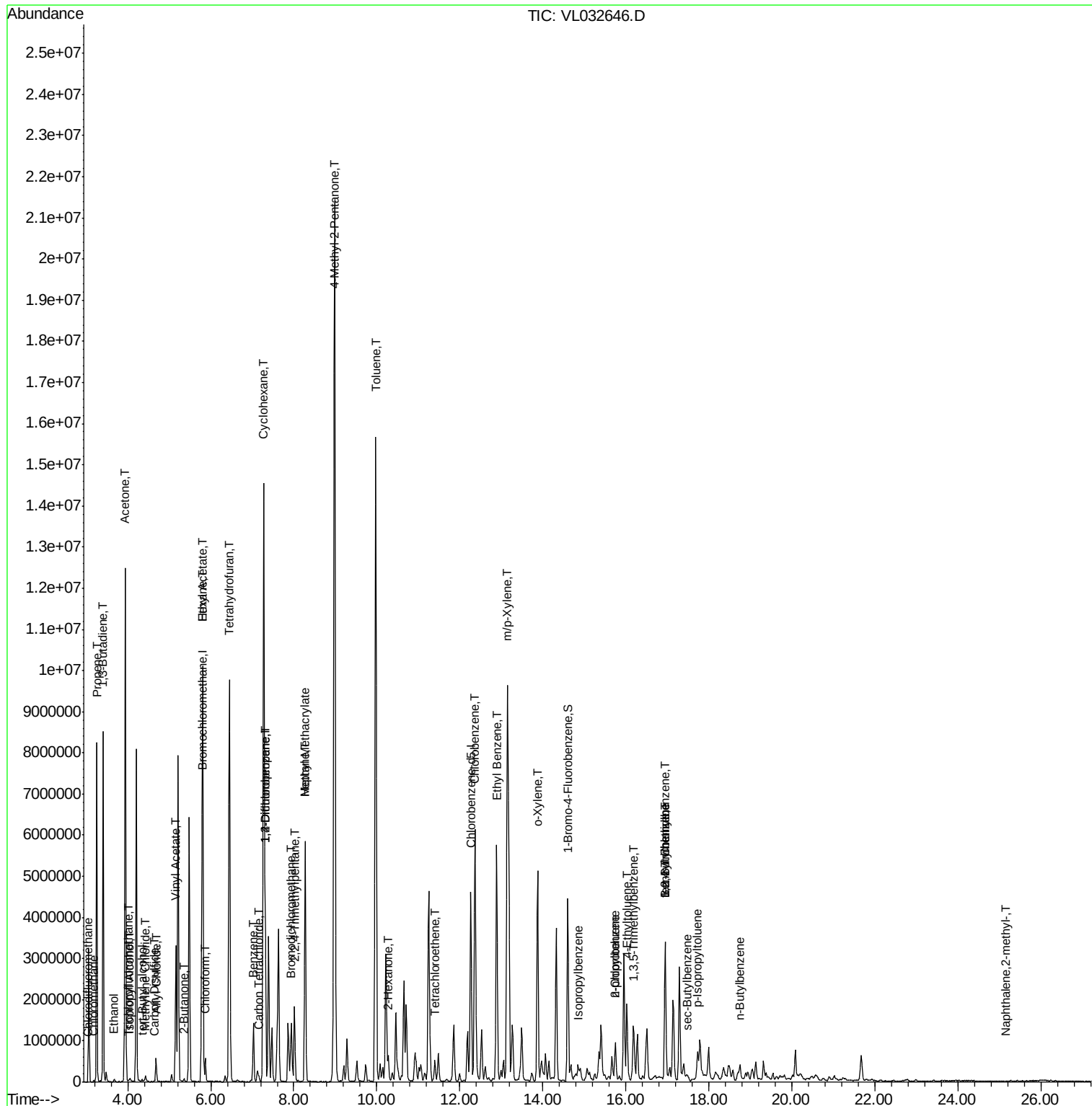
(#) = qualifier out of range (m) = manual integration (+) = signals summed

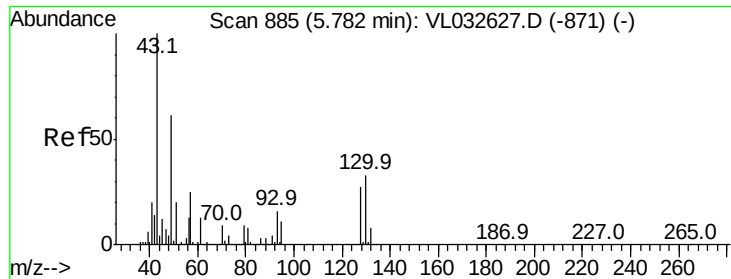
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Sample       : J5500-01 10X
Misc         : 400ml/MSVOA_L
ALS Vial     : 1      Sample Multipl
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

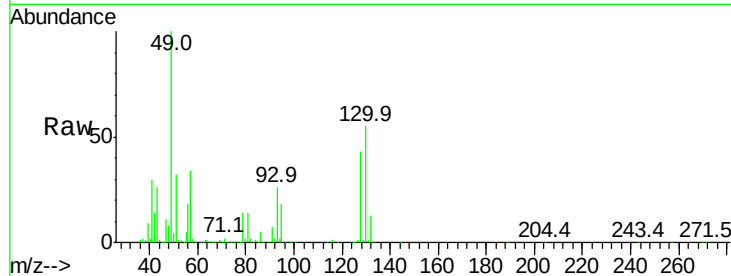
Tgt Ion: 49 Resp: 1243979

Ion Ratio Lower Upper

49 100

128 44.0 22.3 66.8

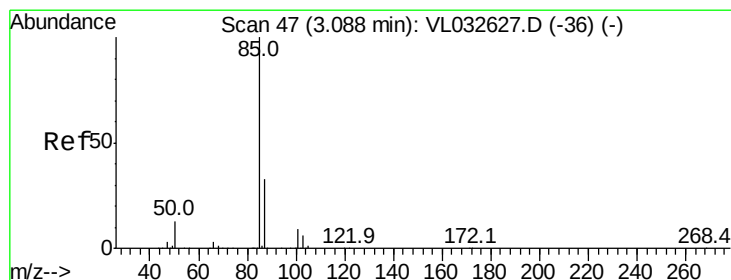
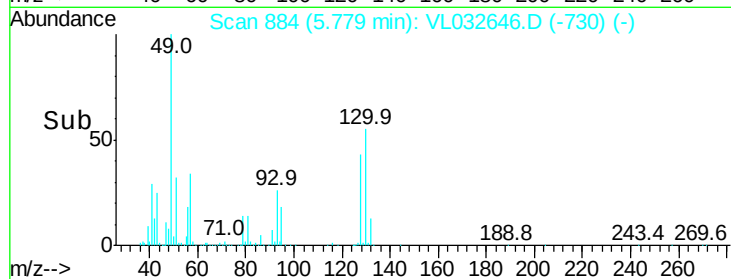
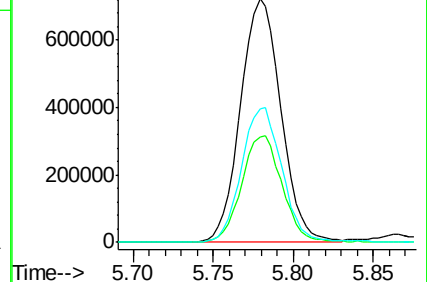
130 55.8 28.4 85.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.09 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL032646.D

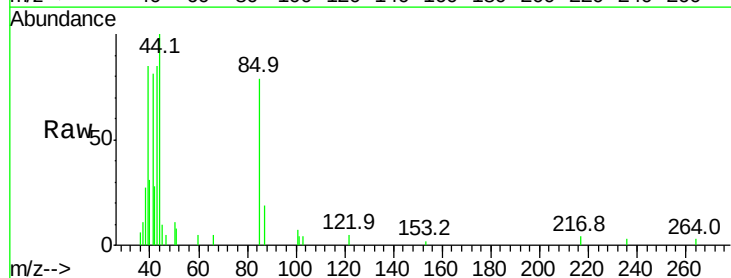
Acq: 17 Oct 2018 18:15

Tgt Ion: 85 Resp: 5900

Ion Ratio Lower Upper

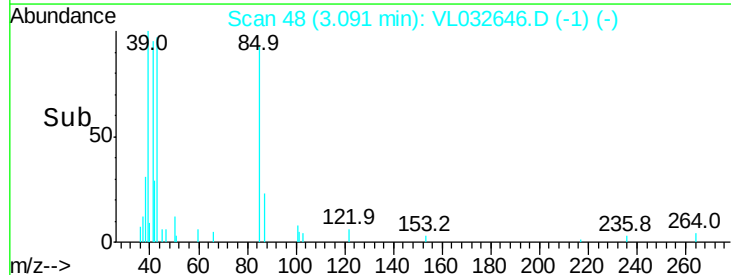
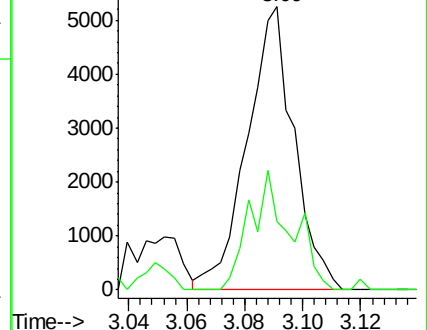
85 100

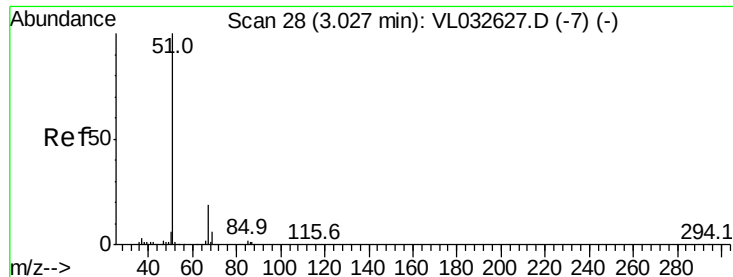
87 24.3 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

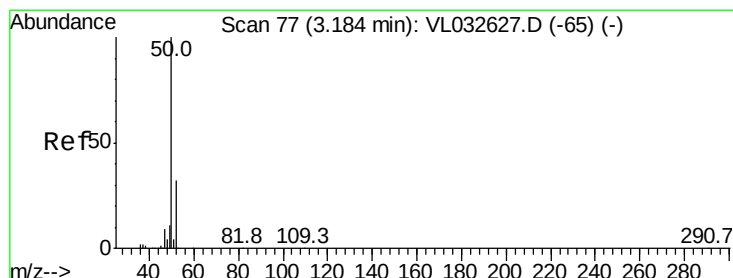
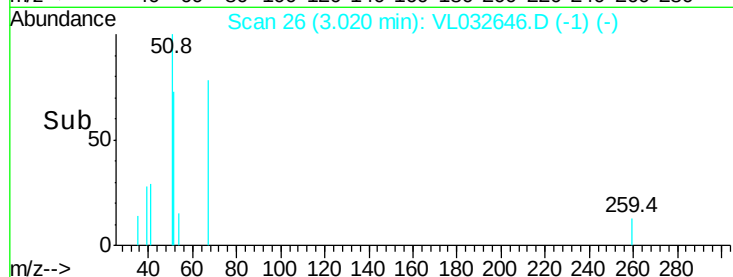
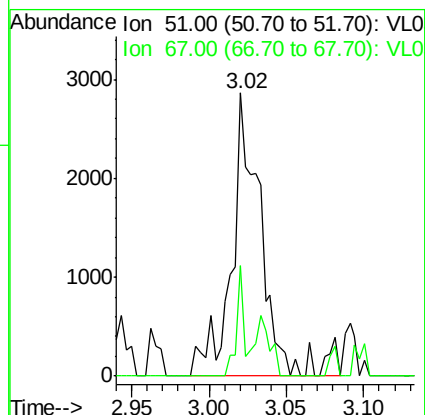
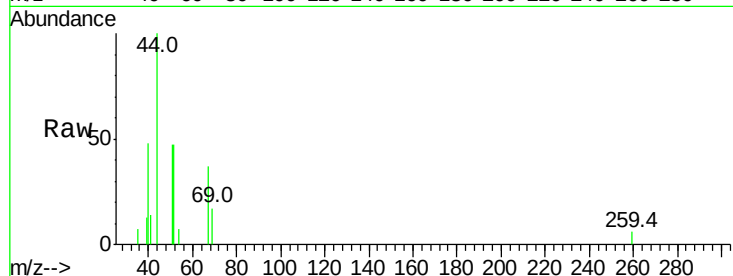




#3
 Chlorodifluoromethane
 Concen: 0.036 ppbv
 RT: 3.02 min Scan# 26
 Delta R.T. -0.01 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

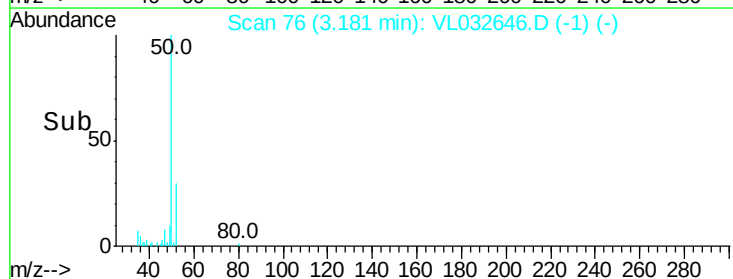
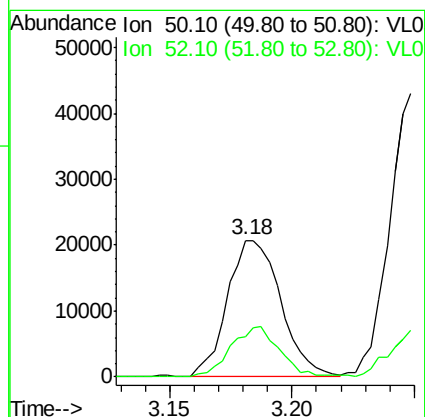
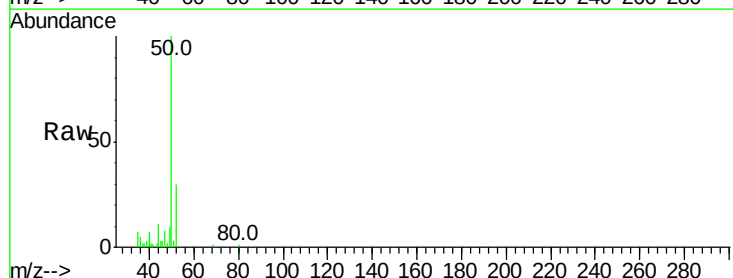
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

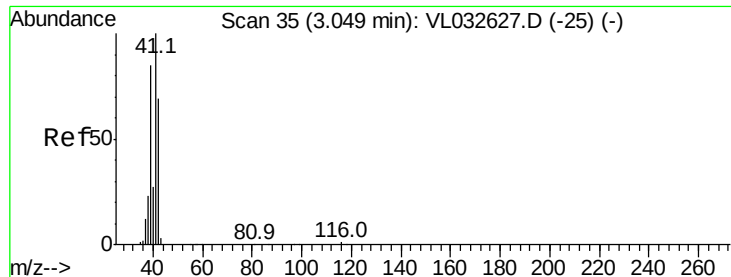
Tgt Ion: 51 Resp: 3750
 Ion Ratio Lower Upper
 51 100
 67 20.5 15.2 22.8



#4
 Chloromethane
 Concen: 0.557 ppbv
 RT: 3.18 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

Tgt Ion: 50 Resp: 31657
 Ion Ratio Lower Upper
 50 100
 52 29.7 25.9 38.9





#9

Propene

Concen: 64.818 ppbv

RT: 3.25 min Scan# 97

Delta R.T. 0.20 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

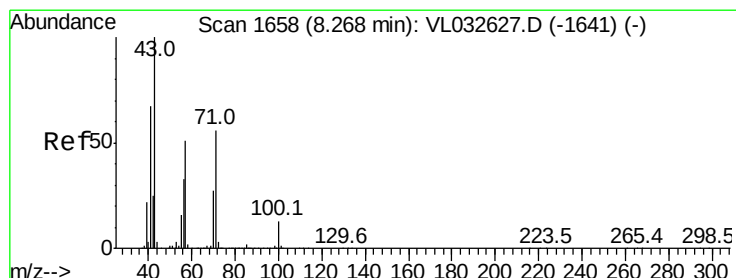
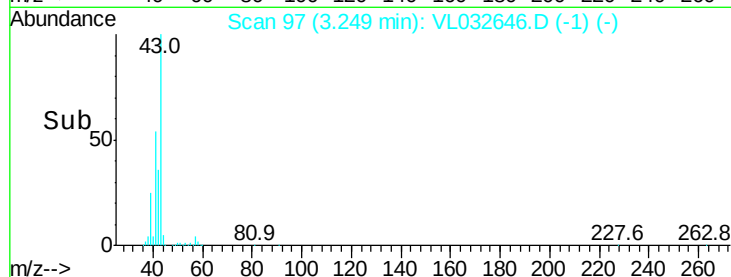
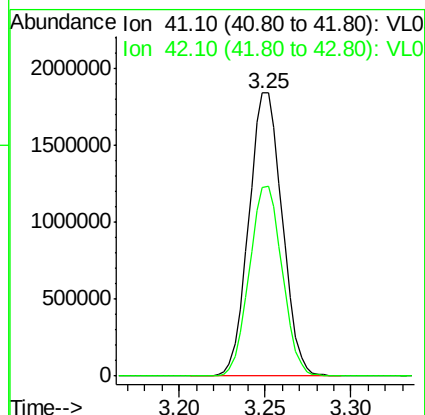
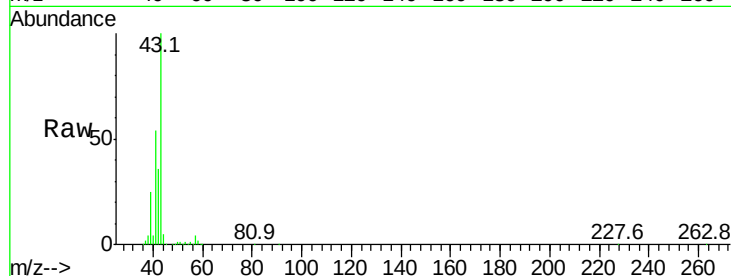
SS08-MIVI

Tgt Ion: 41 Resp: 2473340

Ion Ratio Lower Upper

41 100

42 66.2 55.4 83.0



#10

Heptane

Concen: 19.161 ppbv

RT: 8.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL032646.D

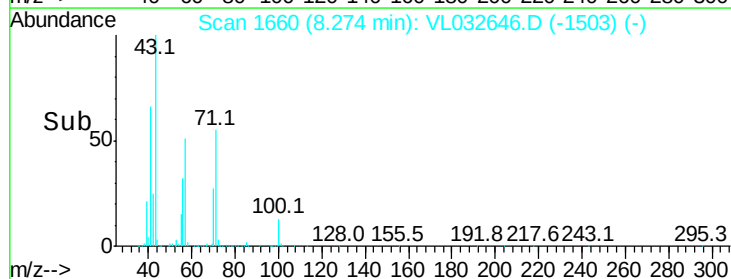
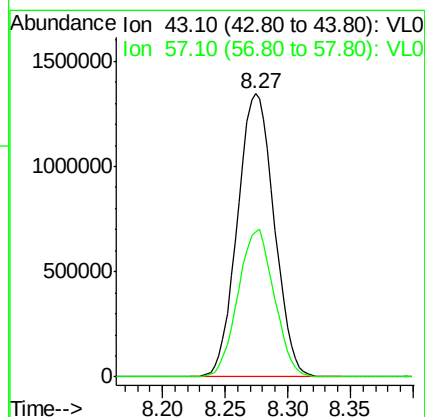
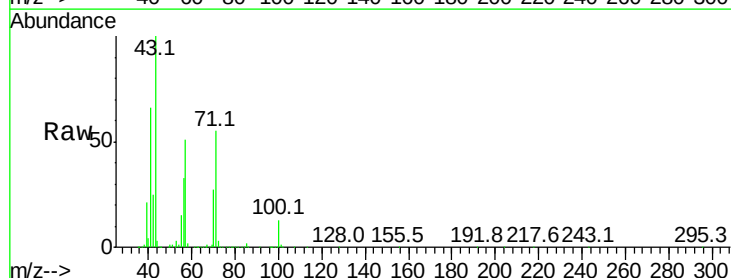
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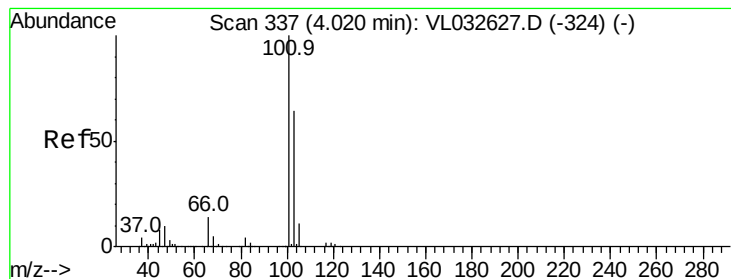
Tgt Ion: 43 Resp: 2738050

Ion Ratio Lower Upper

43 100

57 51.4 41.5 62.3





#11

Trichlorofluoromethane

Concen: 0.063 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

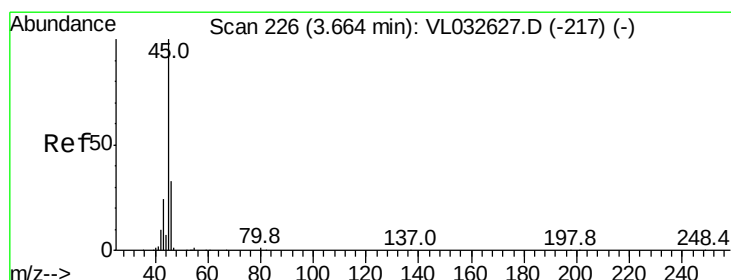
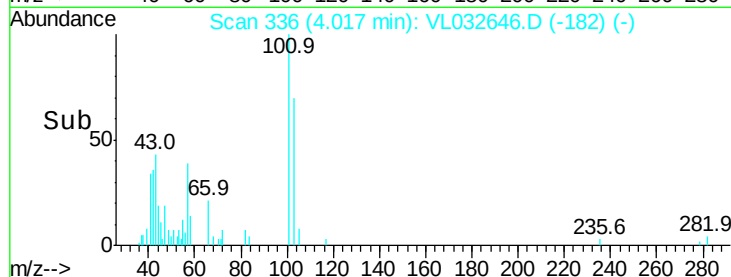
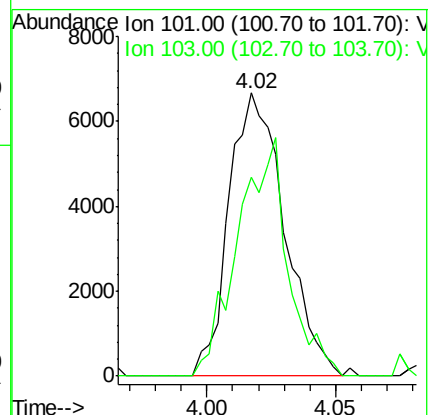
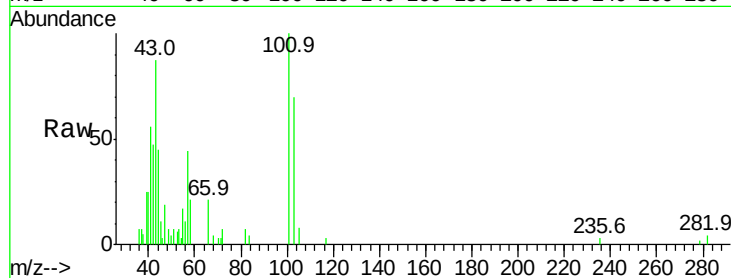
SS08-MIVI

Tgt Ion:101 Resp: 10051

Ion Ratio Lower Upper

101 100

103 70.4 51.4 77.2



#13

Ethanol

Concen: 5.992 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL032646.D

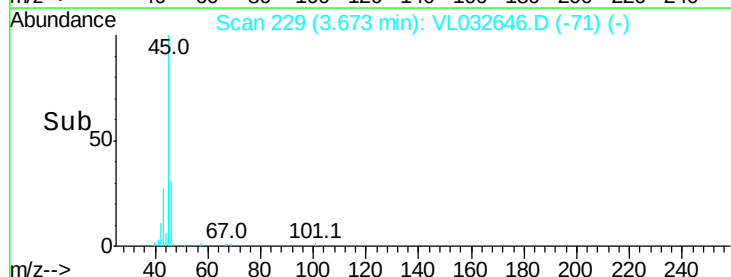
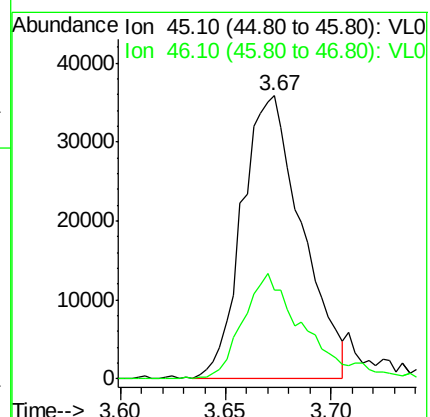
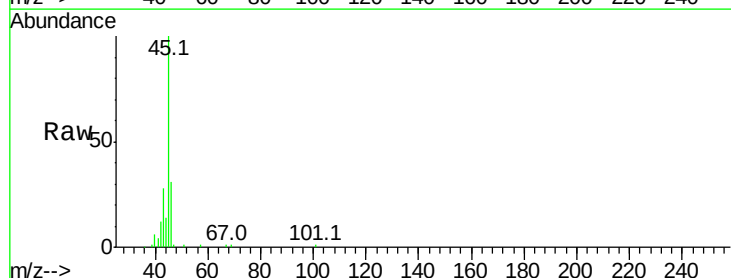
Acq: 17 Oct 2018 18:15

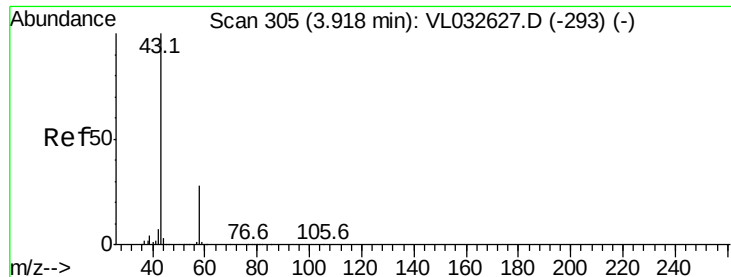
Tgt Ion: 45 Resp: 70752

Ion Ratio Lower Upper

45 100

46 38.5 15.4 61.8





#15

Acetone

Concen: 47.245 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.02 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

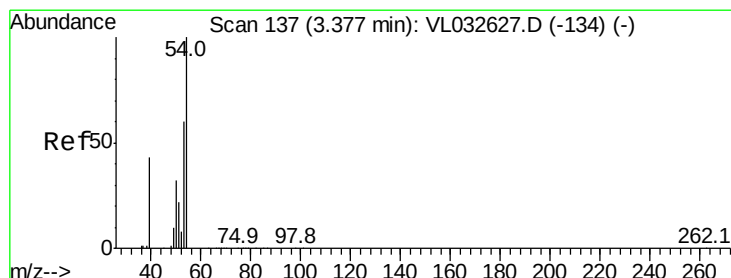
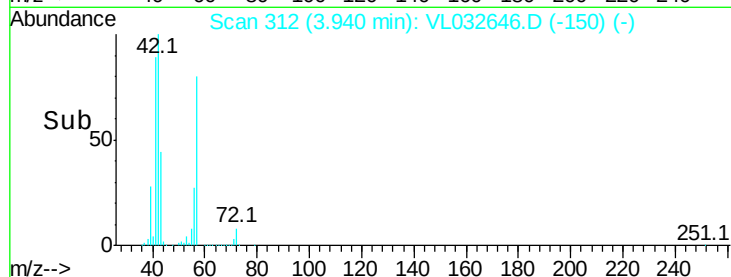
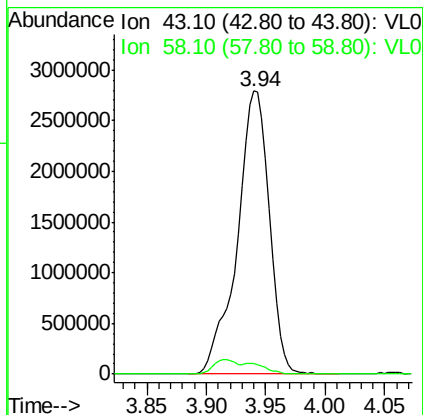
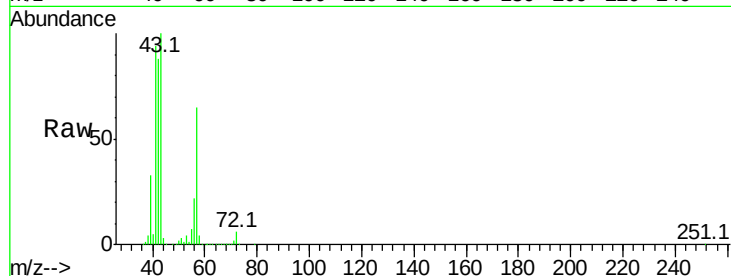
SS08-MIVI

Tgt Ion: 43 Resp: 5230260

Ion Ratio Lower Upper

43 100

58 6.6 22.1 33.1#



#16

1,3-Butadiene

Concen: 26.374 ppbv

RT: 3.41 min Scan# 146

Delta R.T. 0.03 min

Lab File: VL032646.D

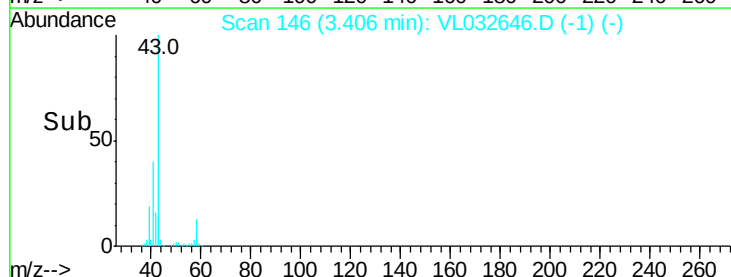
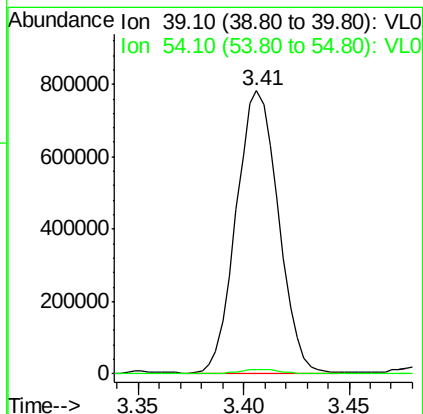
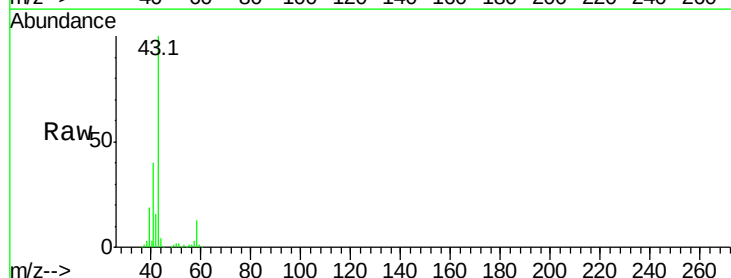
Acq: 17 Oct 2018 18:15

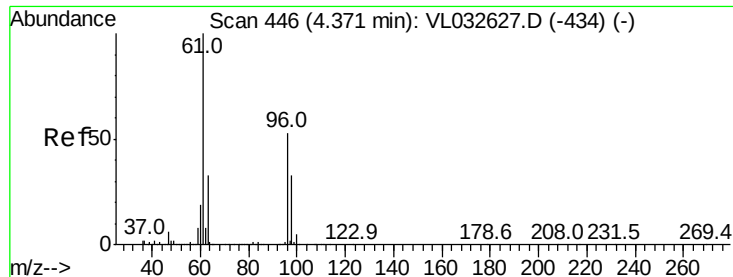
Tgt Ion: 39 Resp: 1081106

Ion Ratio Lower Upper

39 100

54 1.8 90.4 135.6#





#17

tert-Butyl alcohol

Concen: 0.045 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.02 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

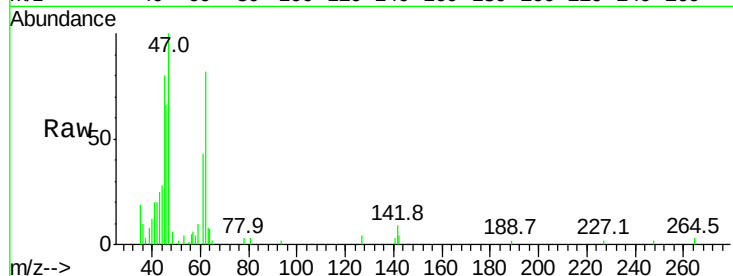
SS08-MIVI

Tgt Ion: 59 Resp: 451

Ion Ratio Lower Upper

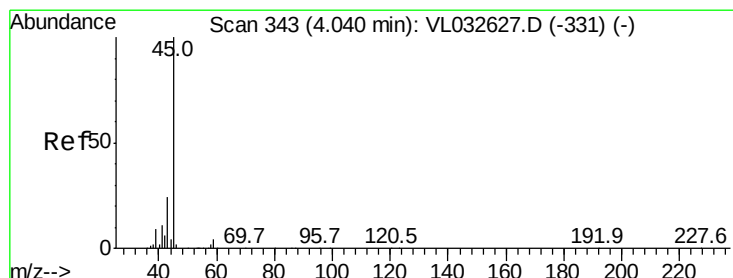
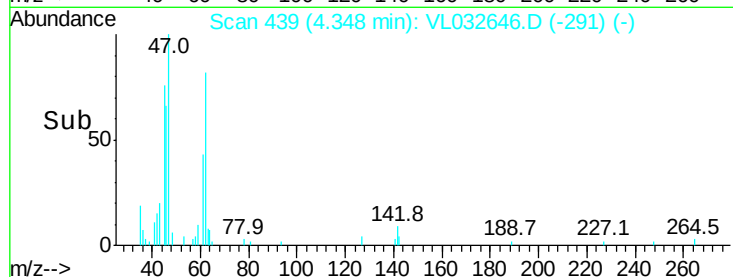
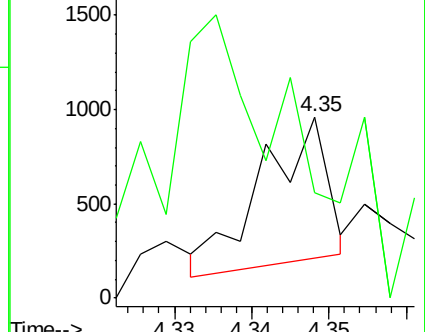
59 100

57 0.0 0.0 0.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.842 ppbv

RT: 4.05 min Scan# 345

Delta R.T. 0.01 min

Lab File: VL032646.D

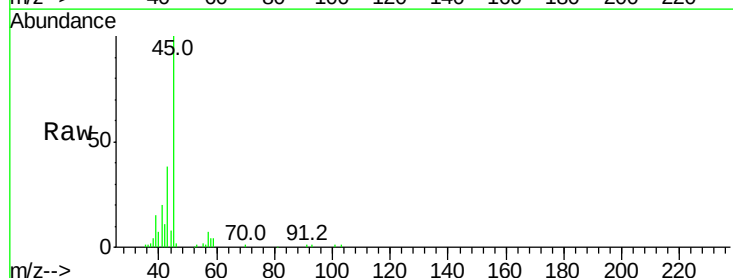
Acq: 17 Oct 2018 18:15

Tgt Ion: 45 Resp: 65826

Ion Ratio Lower Upper

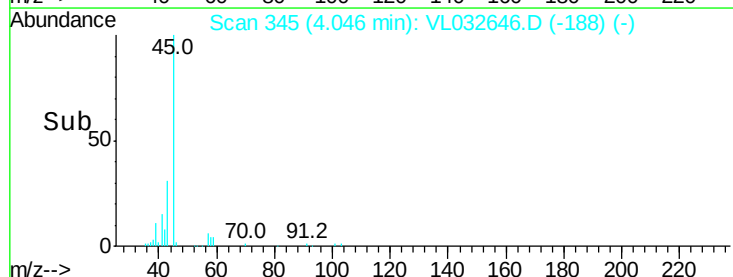
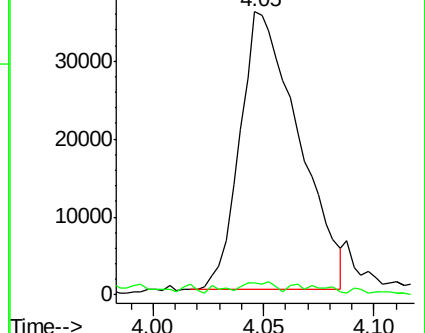
45 100

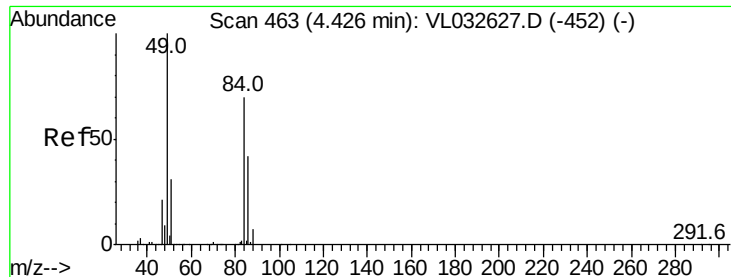
58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

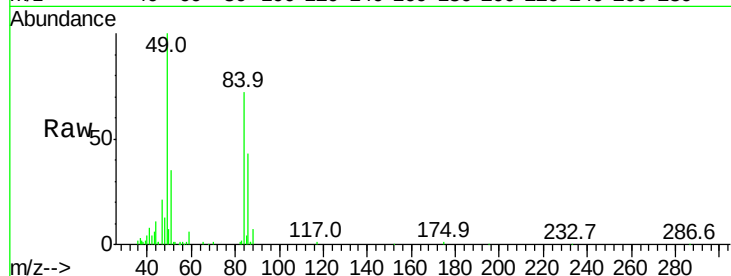




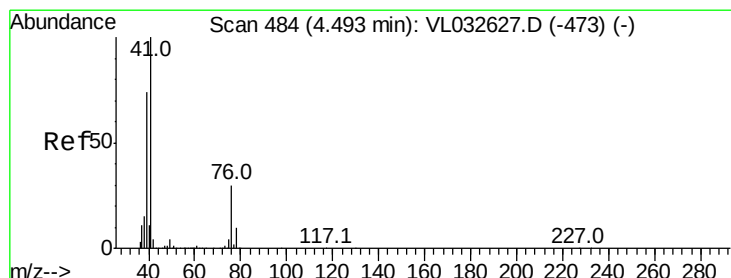
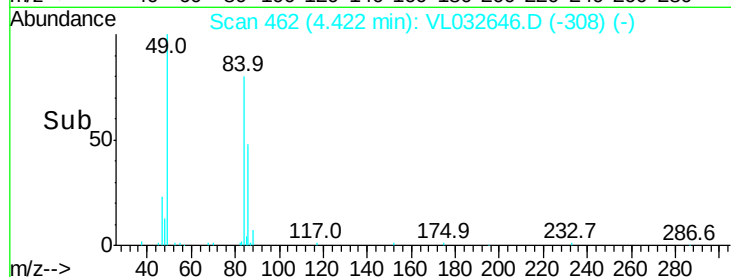
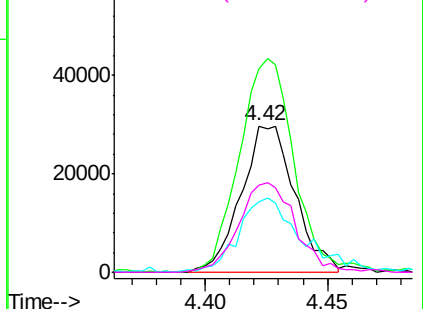
#20
Methylene Chloride
Concen: 0.913 ppbv
RT: 4.42 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL032646.D
Acq: 17 Oct 2018 18:15

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Tgt Ion: 84 Resp: 45285
Ion Ratio Lower Upper
84 100
49 137.6 113.5 170.3
51 45.7 34.8 52.2
86 58.9 47.9 71.9

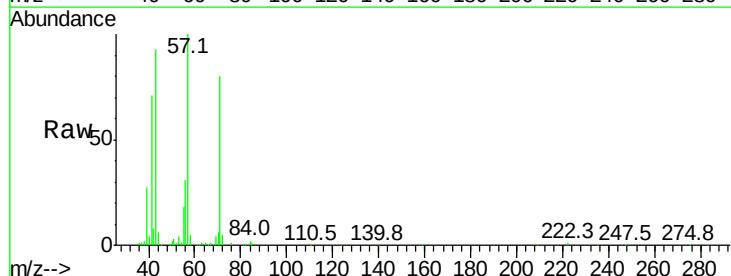


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

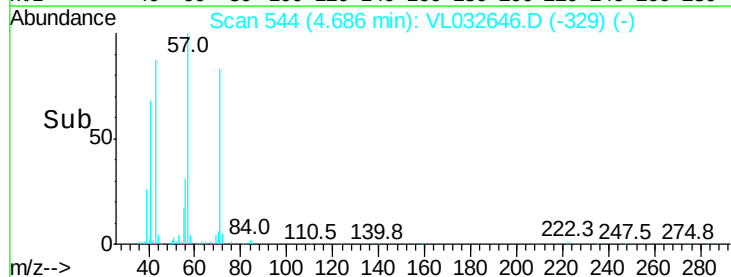
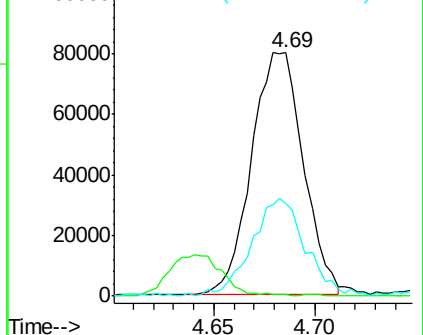


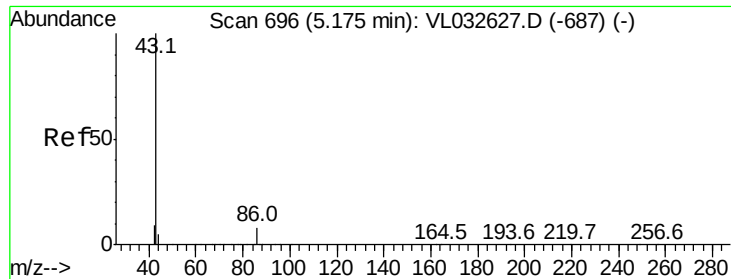
#21
Allyl Chloride
Concen: 1.726 ppbv
RT: 4.69 min Scan# 544
Delta R.T. 0.19 min
Lab File: VL032646.D
Acq: 17 Oct 2018 18:15

Tgt Ion: 41 Resp: 143409
Ion Ratio Lower Upper
41 100
76 17.9 24.3 36.5#
39 42.8 60.3 90.5#



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: 4.698 ppbv

RT: 5.16 min Scan# 691

Delta R.T. -0.02 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

Tgt Ion: 43 Resp: 827349

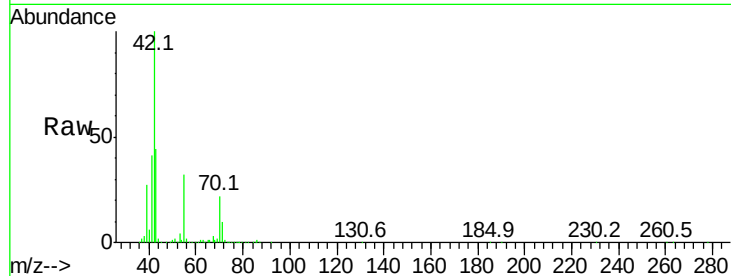
Ion Ratio Lower Upper

43 100

86 3.3 6.1 9.1#

42 228.3 7.4 11.2#

44 3.3 4.2 6.2#

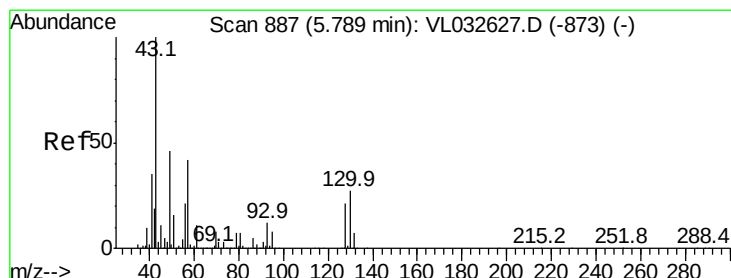
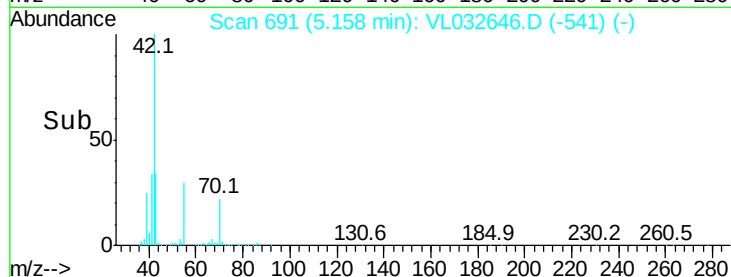
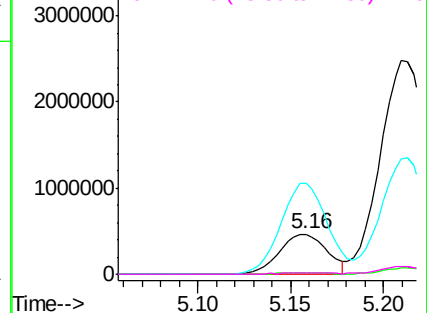


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 11.177 ppbv

RT: 5.80 min Scan# 892

Delta R.T. 0.02 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Tgt Ion: 43 Resp: 2927827

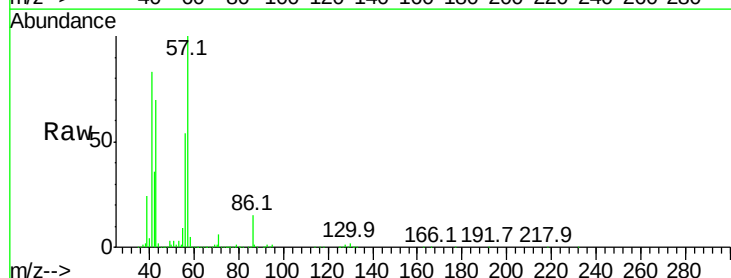
Ion Ratio Lower Upper

43 100

45 0.1 8.0 12.0#

61 0.2 8.0 12.0#

70 1.5 5.9 8.9#

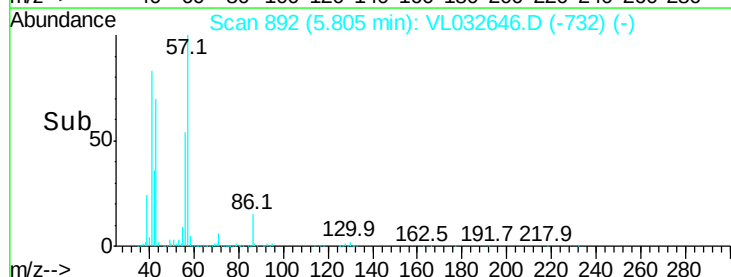
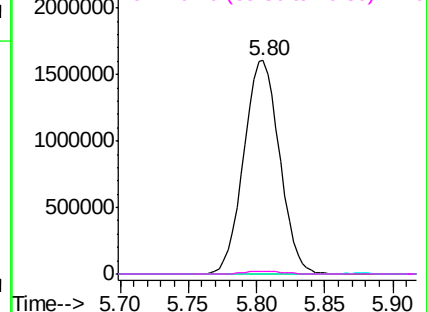


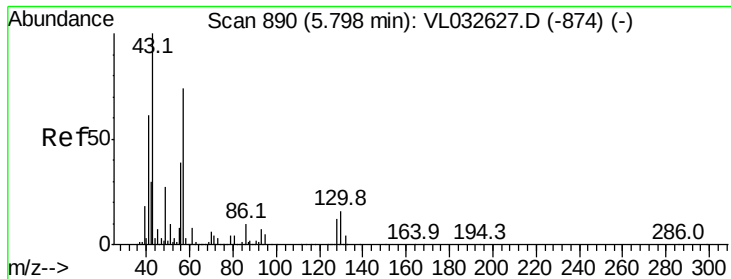
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 36.176 ppbv

RT: 5.80 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

Tgt Ion: 57 Resp: 4268295

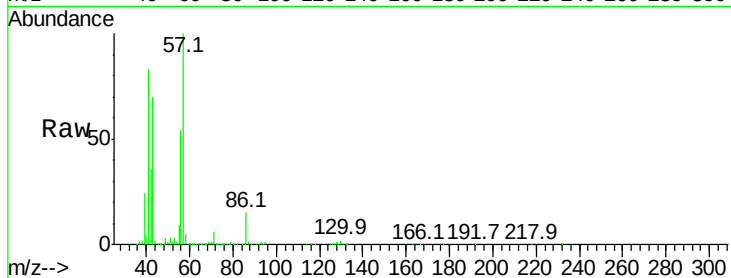
Ion Ratio Lower Upper

57 100

41 83.0 67.4 101.0

43 68.8 171.9 257.9#

56 52.8 42.6 63.8

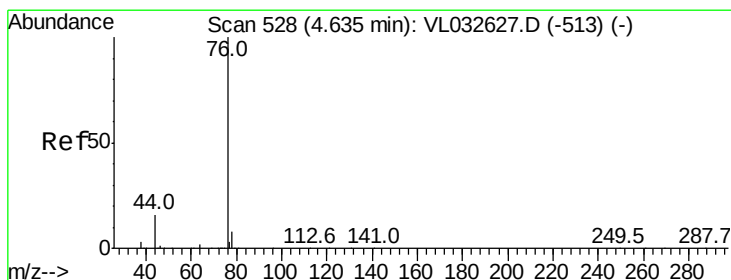
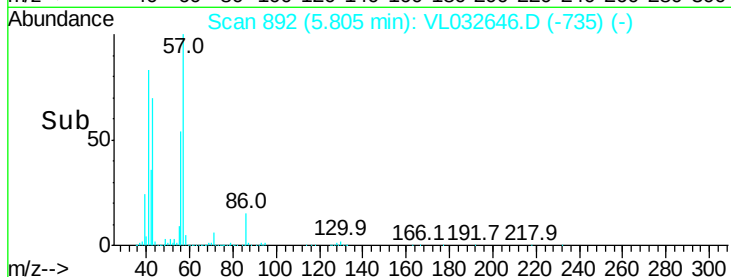
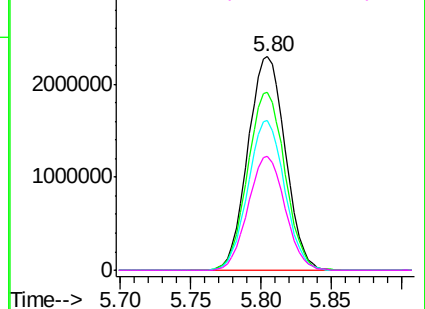


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.172 ppbv

RT: 4.64 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

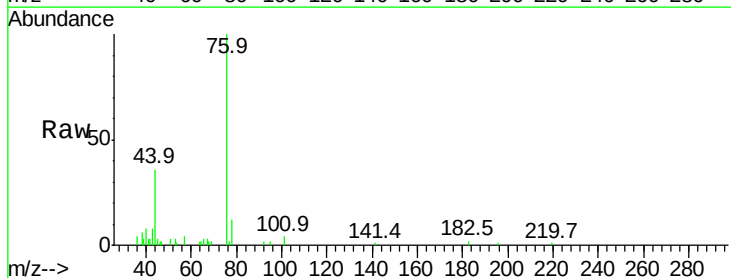
Tgt Ion: 76 Resp: 24560

Ion Ratio Lower Upper

76 100

44 0.0 13.7 20.5#

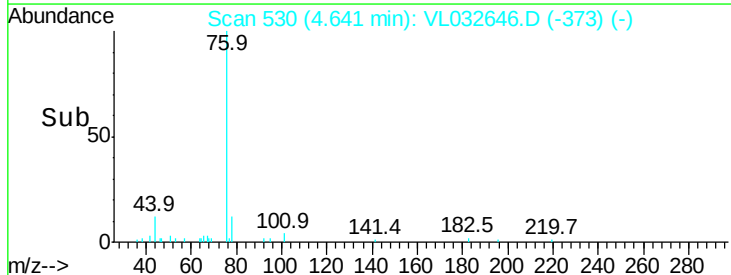
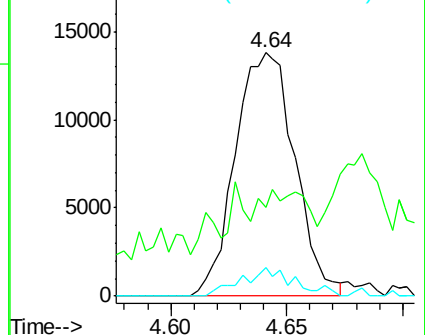
78 10.3 7.4 11.2

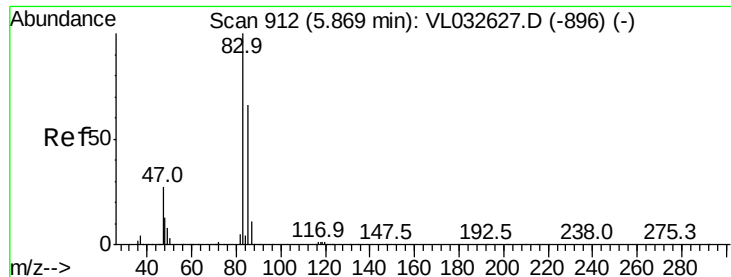


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 1.824 ppbv

RT: 5.87 min Scan# 911

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

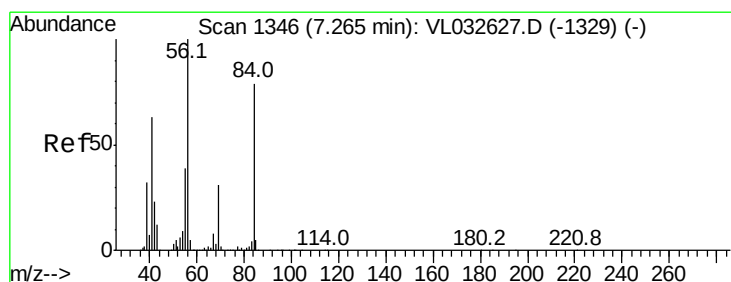
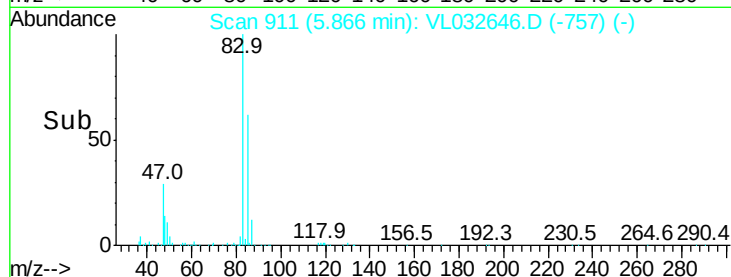
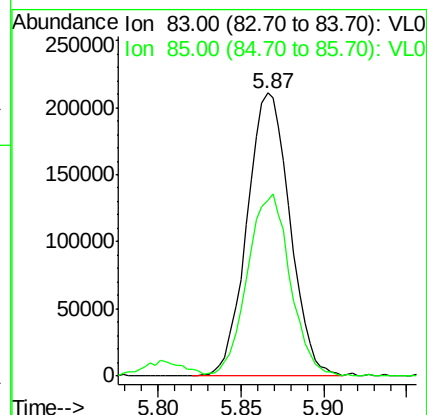
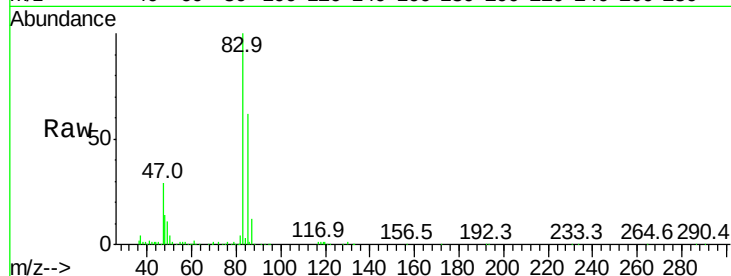
SS08-MIVI

Tgt Ion: 83 Resp: 377280

Ion Ratio Lower Upper

83 100

85 61.7 53.0 79.6



#30

Cyclohexane

Concen: 59.337 ppbv

RT: 7.27 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

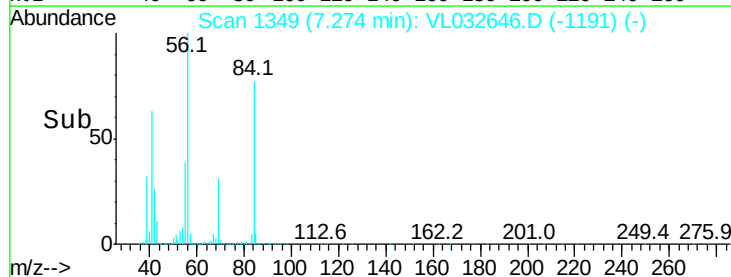
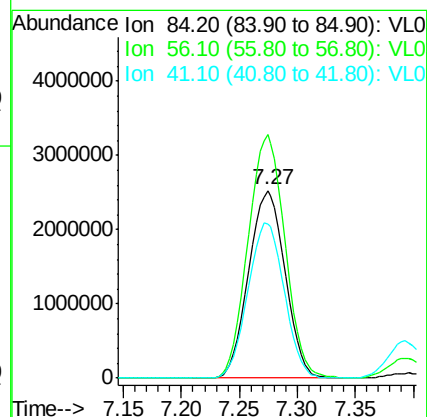
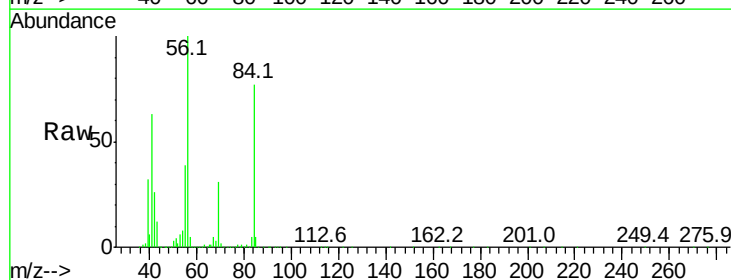
Tgt Ion: 84 Resp: 5521121

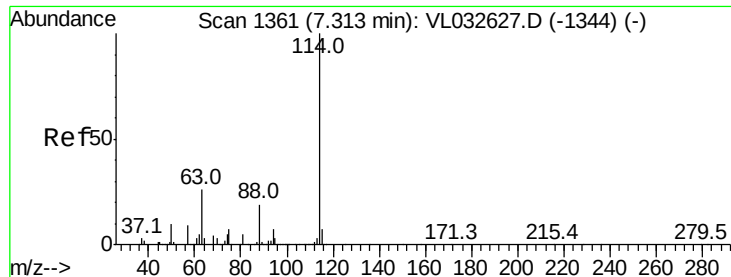
Ion Ratio Lower Upper

84 100

56 131.3 108.3 162.5

41 82.3 64.8 97.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1361

Delta R.T. -0.00 min

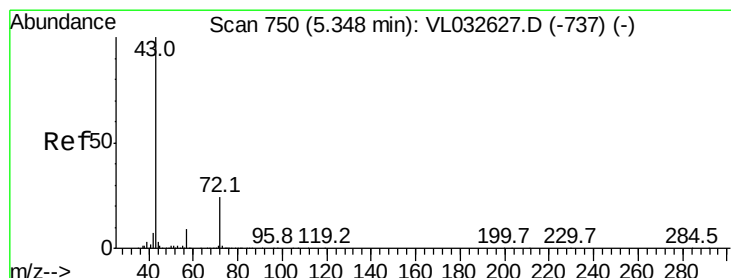
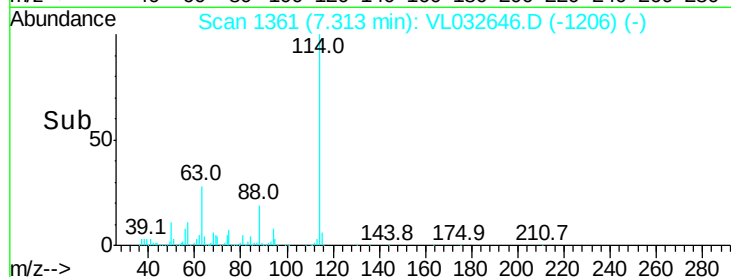
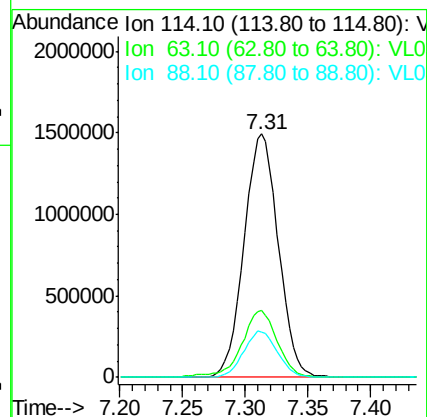
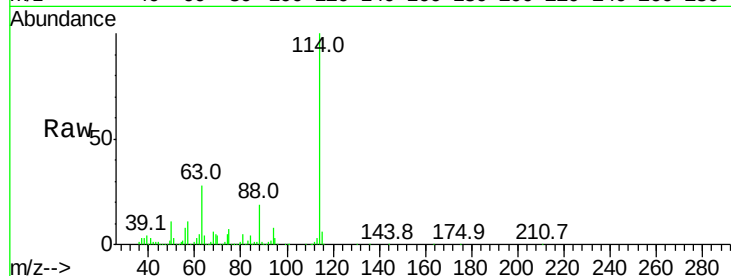
Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Tgt Ion:114 Resp: 2834040

Ion	Ratio	Lower	Upper
114	100		
63	28.8	21.7	32.5
88	18.7	14.9	22.3



#34

2-Butanone

Concen: 0.511 ppbv

RT: 5.35 min Scan# 752

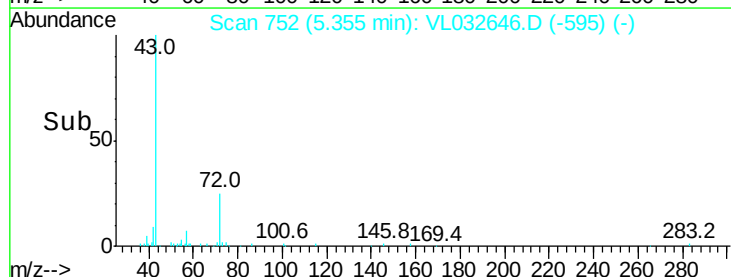
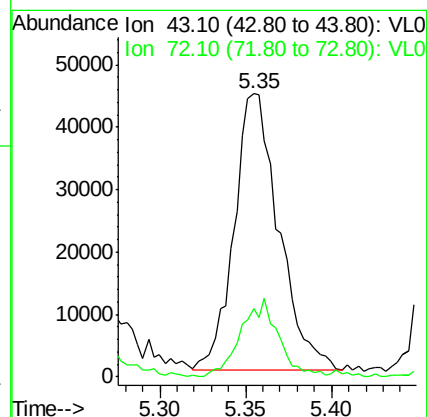
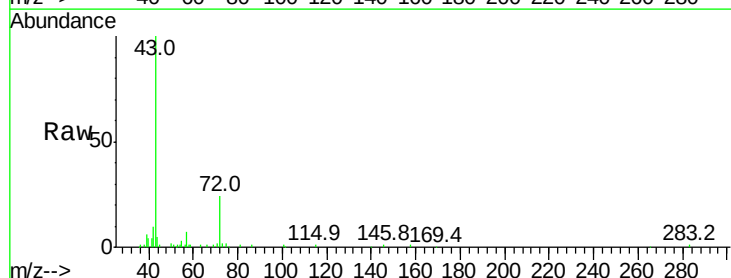
Delta R.T. 0.01 min

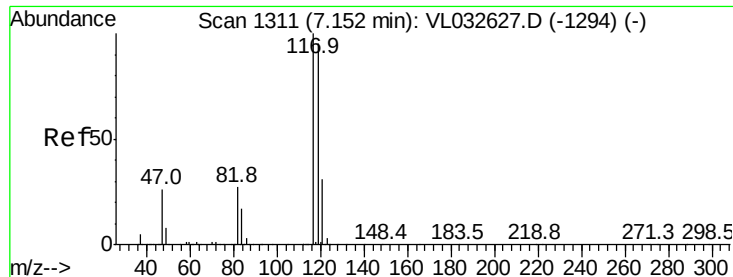
Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Tgt Ion: 43 Resp: 80393

Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.6	27.8





#35

Carbon Tetrachloride

Concen: 0.381 ppbv

RT: 7.16 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

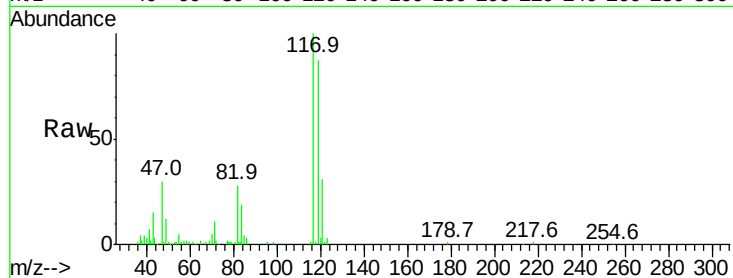
Tgt Ion:117 Resp: 83749

Ion Ratio Lower Upper

117 100

119 86.6 75.7 113.5

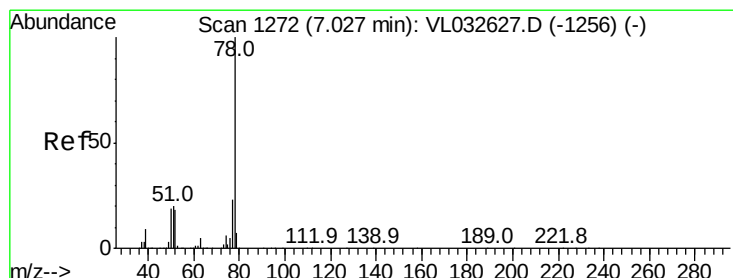
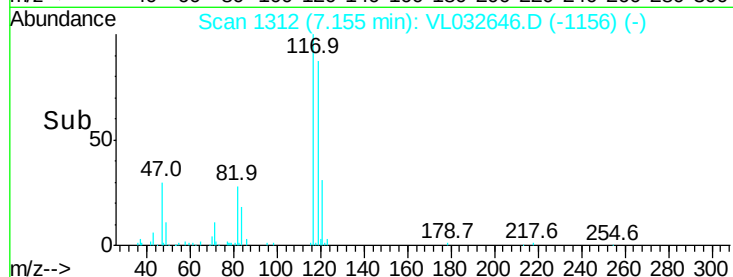
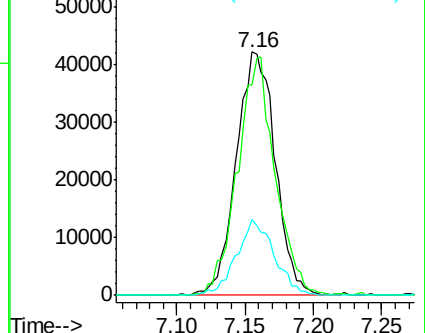
121 31.2 24.7 37.1



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: 5.118 ppbv

RT: 7.03 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

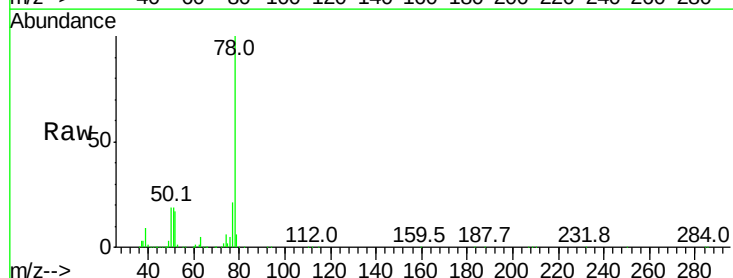
Tgt Ion: 78 Resp: 1175678

Ion Ratio Lower Upper

78 100

77 21.4 18.1 27.1

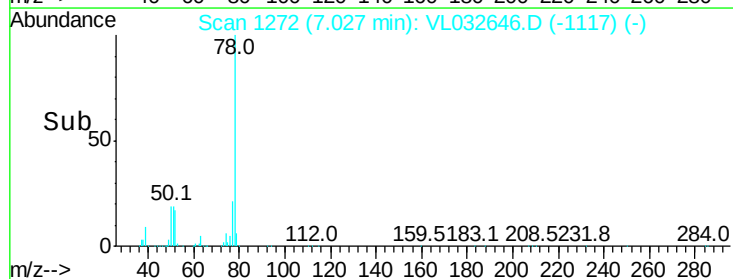
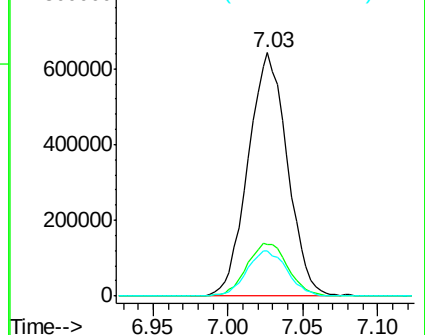
50 18.7 15.1 22.7

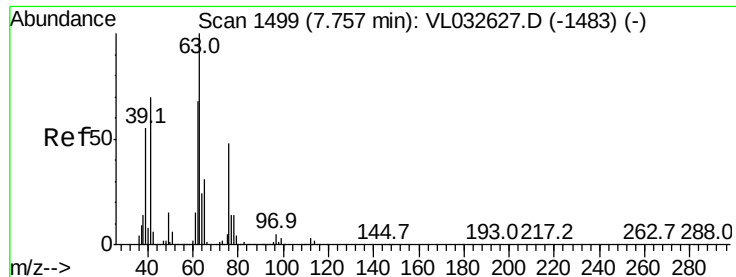


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 8.511 ppbv

RT: 7.31 min Scan# 1361

Delta R.T. -0.44 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

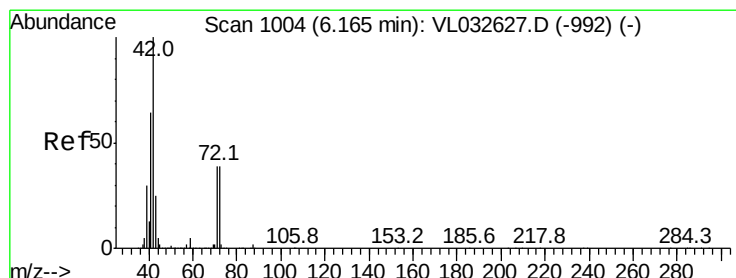
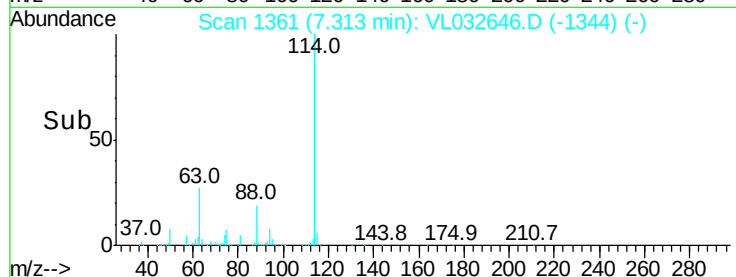
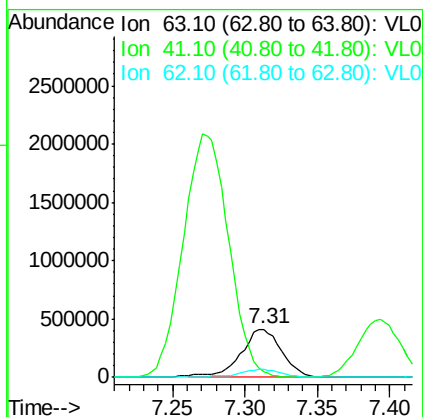
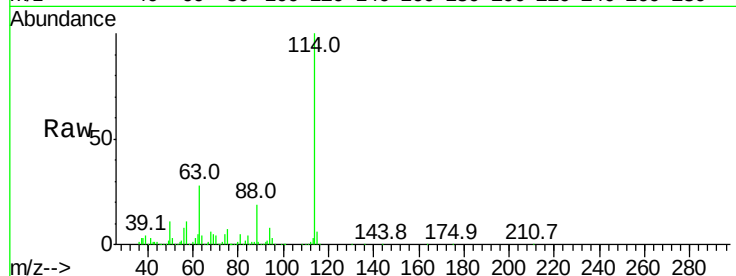
Tgt Ion: 63 Resp: 795388

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

62 16.3 54.4 81.6#



#41

Tetrahydrofuran

Concen: 16.135 ppbv

RT: 6.44 min Scan# 1091

Delta R.T. 0.28 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

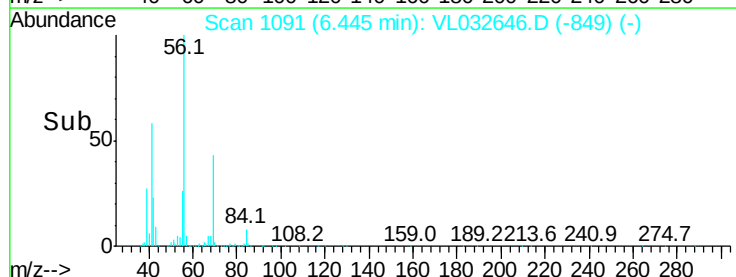
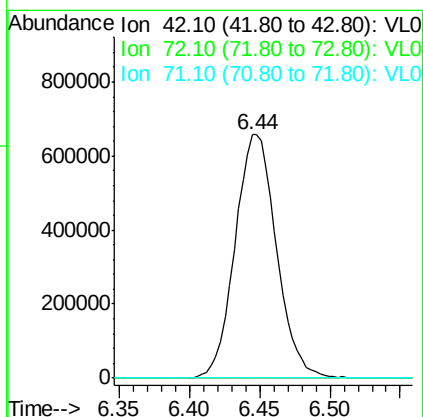
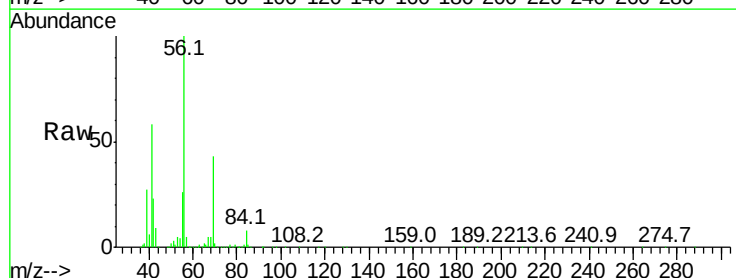
Tgt Ion: 42 Resp: 1346511

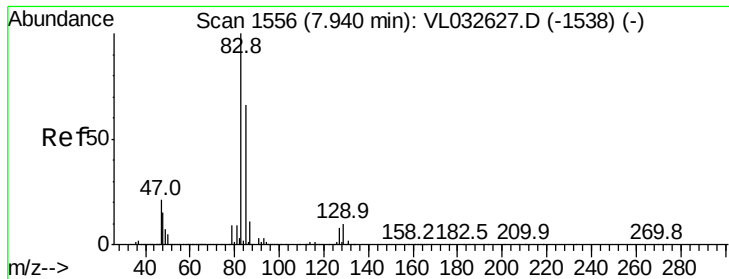
Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 0.0 31.3 46.9#





#42

Bromodichloromethane

Concen: 0.354 ppbv

RT: 7.94 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

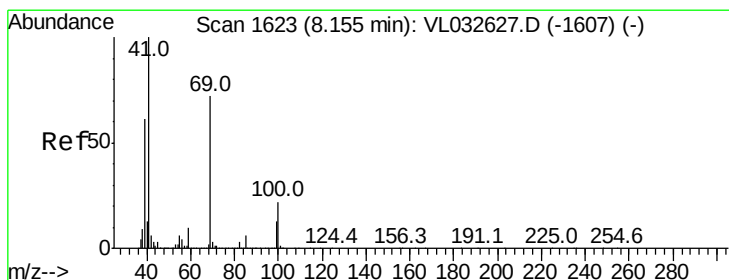
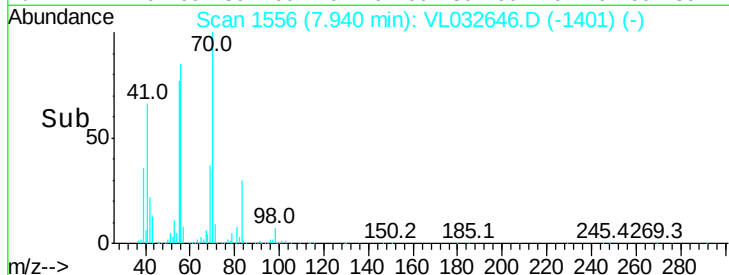
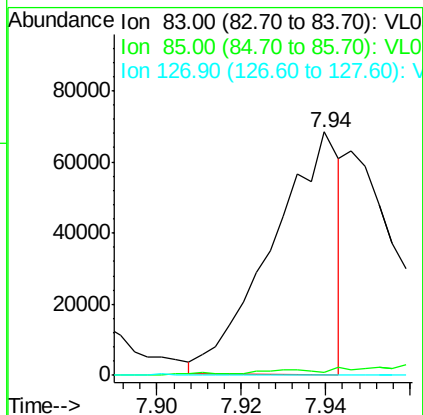
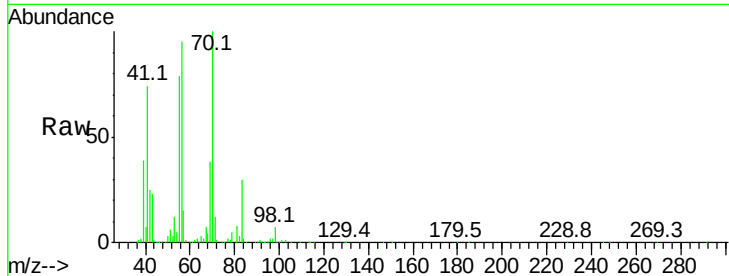
Tgt Ion: 83 Resp: 76092

Ion Ratio Lower Upper

83 100

85 0.3 52.4 78.6#

127 0.0 6.1 9.1#



#43

Methyl Methacrylate

Concen: 0.388 ppbv

RT: 8.27 min Scan# 1660

Delta R.T. 0.12 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

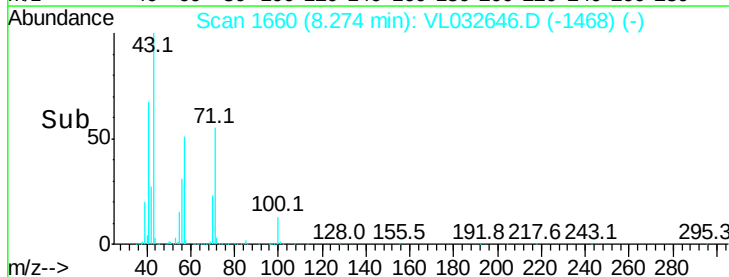
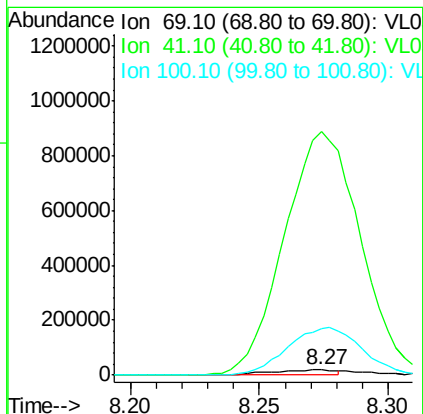
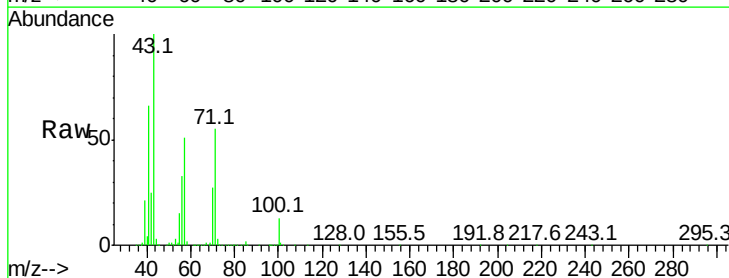
Tgt Ion: 69 Resp: 34598

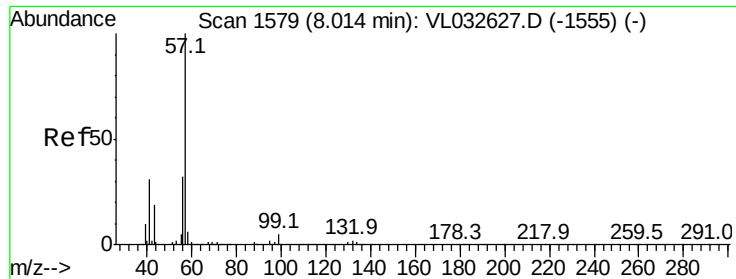
Ion Ratio Lower Upper

69 100

41 5282.7 113.2 169.8#

100 1015.4 24.4 36.6#





#44

2,2,4-Trimethylpentane

Concen: 0.262 ppbv

RT: 8.02 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

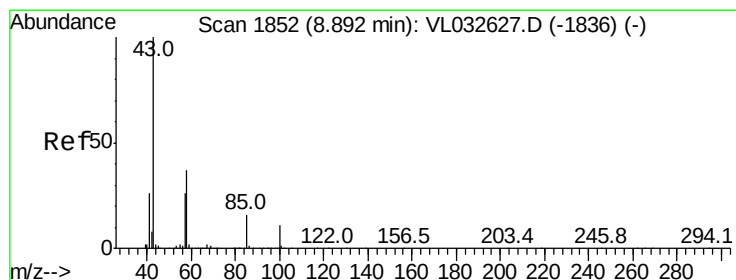
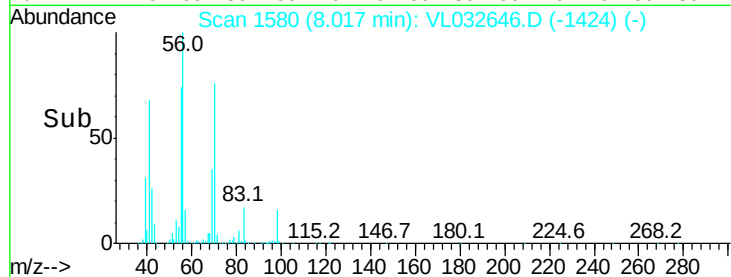
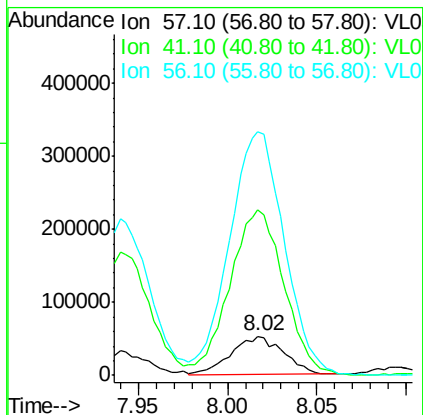
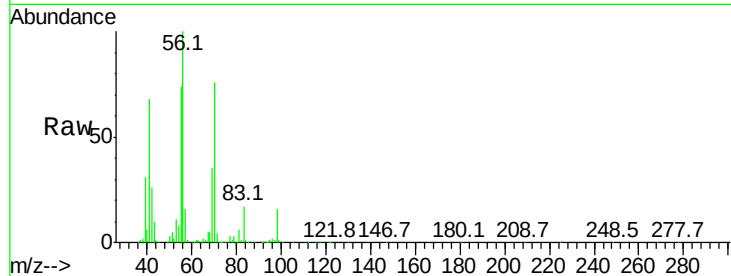
Tgt Ion: 57 Resp: 106668

Ion Ratio Lower Upper

57 100

41 448.2 24.7 37.1#

56 674.8 25.0 37.4#



#50

4-Methyl-2-Pentanone

Concen: 2.988 ppbv

RT: 8.98 min Scan# 1879

Delta R.T. 0.09 min

Lab File: VL032646.D

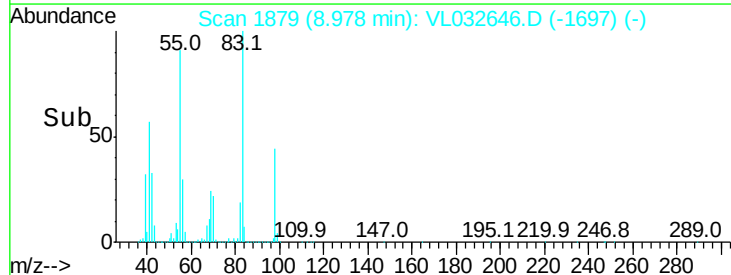
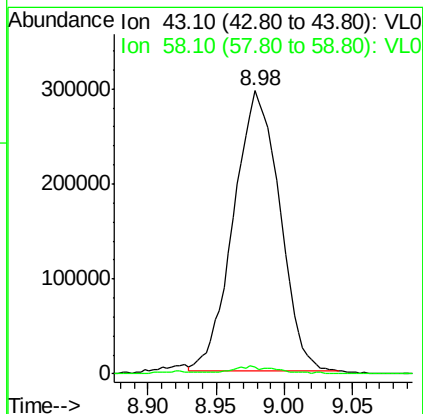
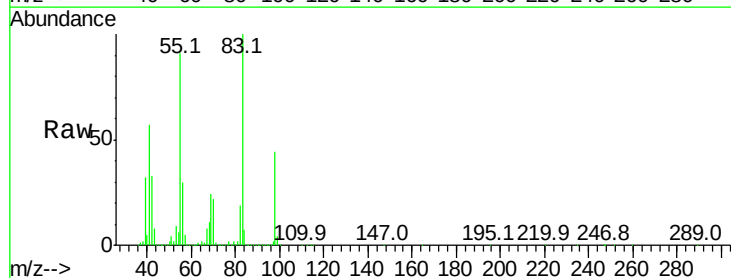
Acq: 17 Oct 2018 18:15

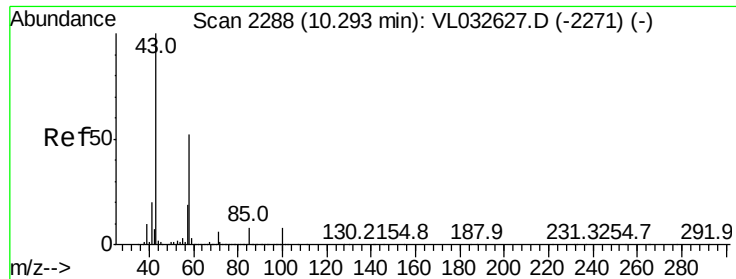
Tgt Ion: 43 Resp: 691736

Ion Ratio Lower Upper

43 100

58 3.2 29.7 44.5#

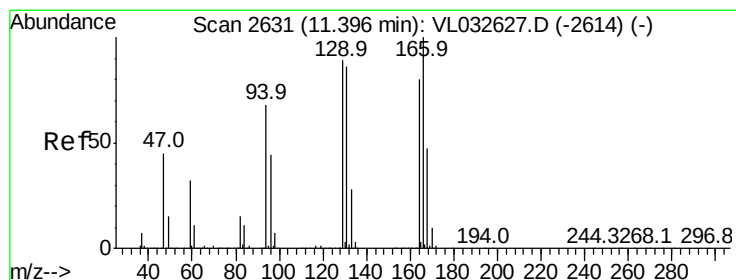
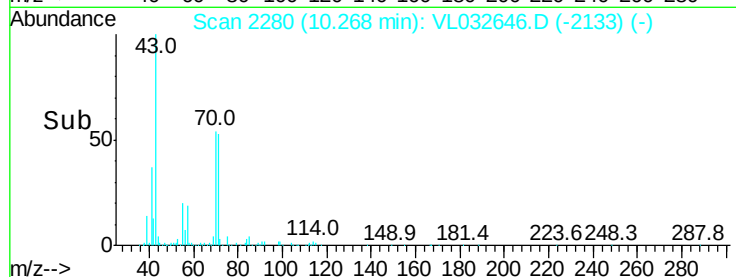
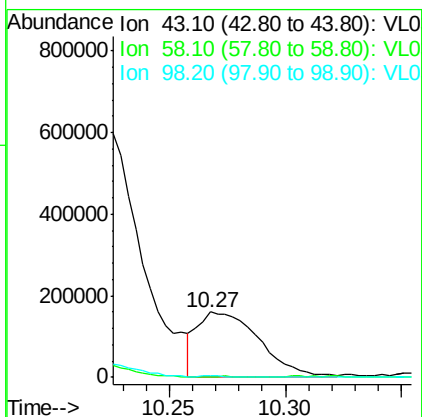
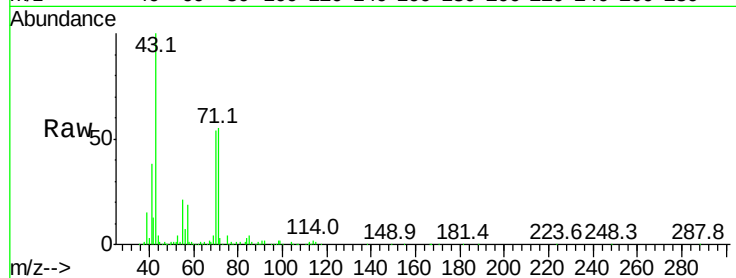




#51
 2-Hexanone
 Concen: 1.597 ppbv
 RT: 10.27 min Scan# 2280
 Delta R.T. -0.03 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

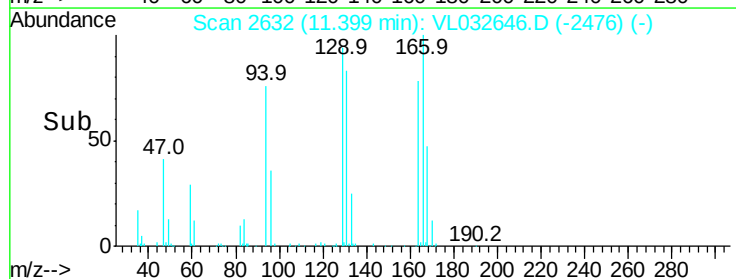
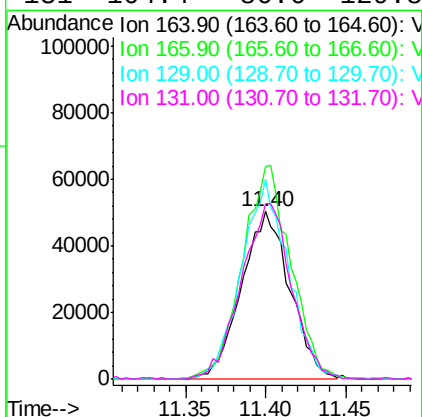
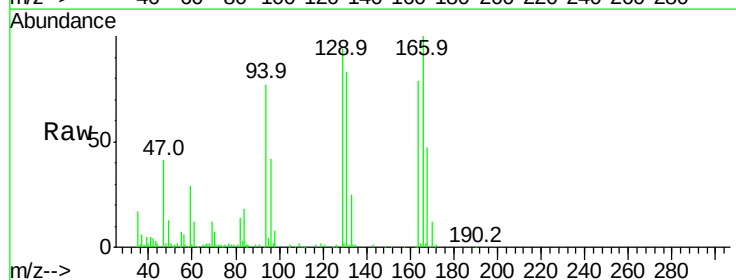
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

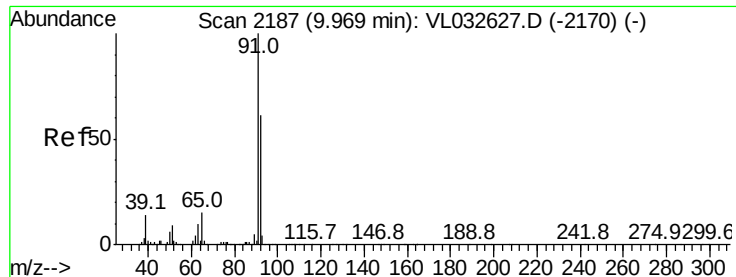
Tgt Ion:	43	Resp:	290802
Ion	Ratio	Lower	Upper
43	100		
58	2.4	40.4	60.6#
98	0.0	0.4	0.6#



#52
 Tetrachloroethene
 Concen: 1.379 ppbv
 RT: 11.40 min Scan# 2632
 Delta R.T. 0.00 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

Tgt Ion:	164	Resp:	104299
Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.5	150.7
129	118.9	90.0	135.0
131	104.4	86.6	129.8





#53

Toluene

Concen: 49.736 ppbv

RT: 9.97 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

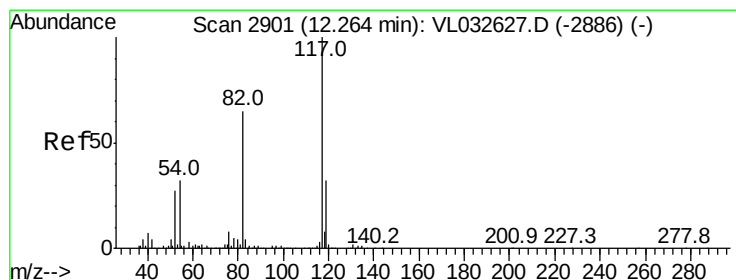
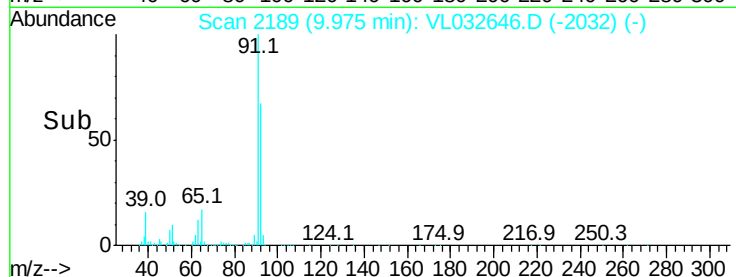
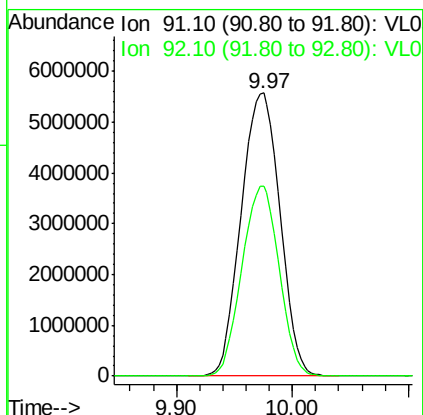
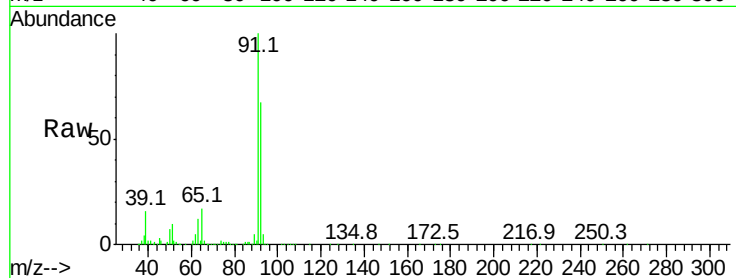
SS08-MIVI

Tgt Ion: 91 Resp:13025435

Ion Ratio Lower Upper

91 100

92 64.3 48.4 72.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.26 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

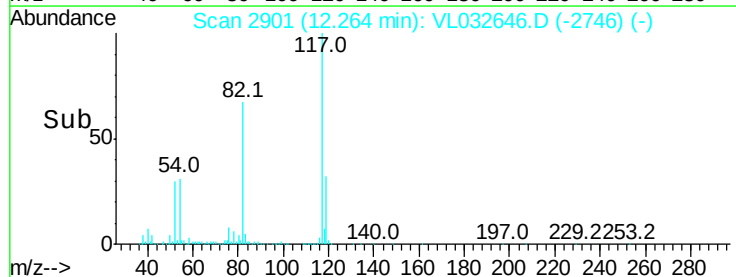
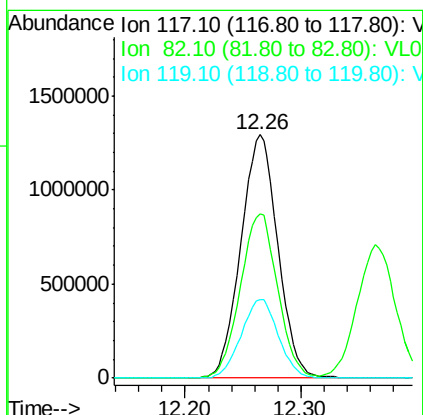
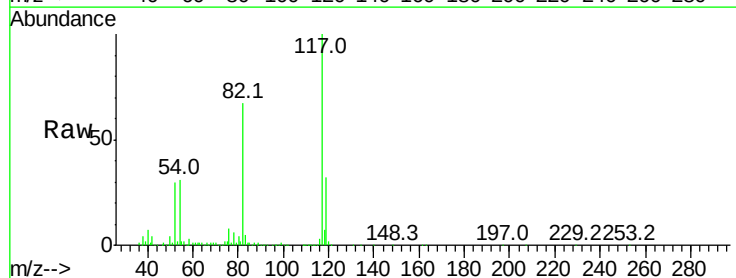
Tgt Ion:117 Resp: 2872102

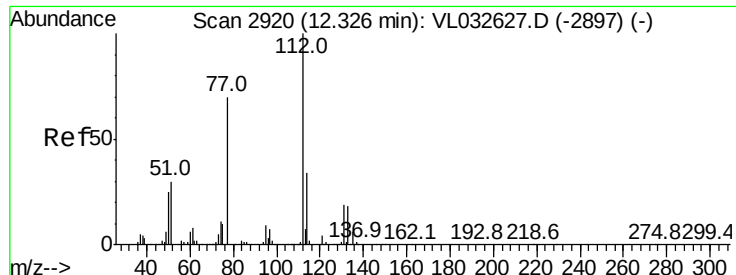
Ion Ratio Lower Upper

117 100

82 68.1 52.7 79.1

119 32.5 26.7 40.1

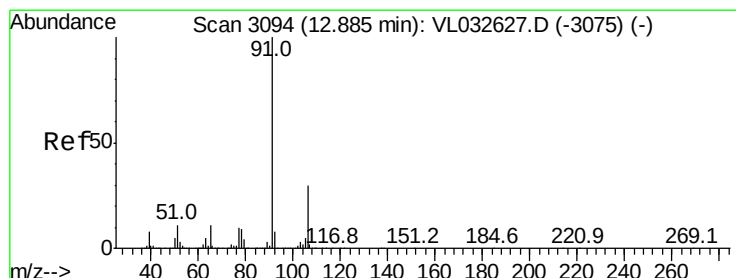
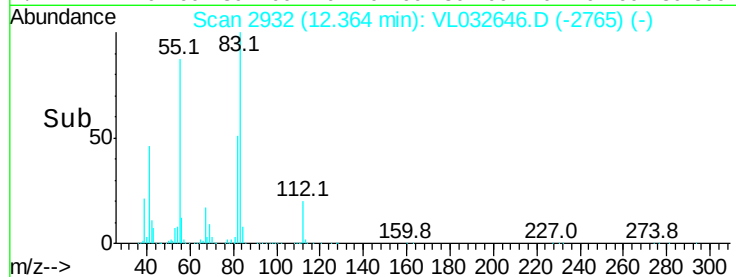
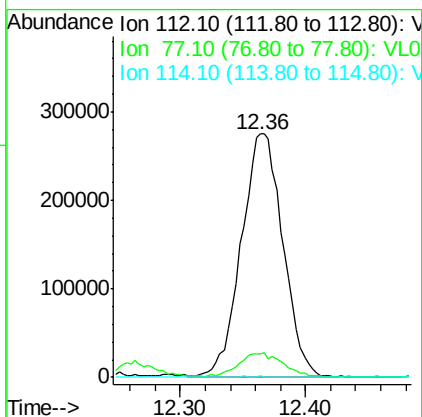
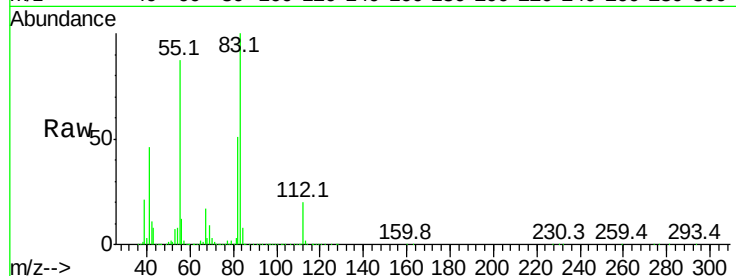




#57
Chlorobenzene
Concen: 2.878 ppbv
RT: 12.36 min Scan# 2932
Delta R.T. 0.04 min
Lab File: VL032646.D
Acq: 17 Oct 2018 18:15

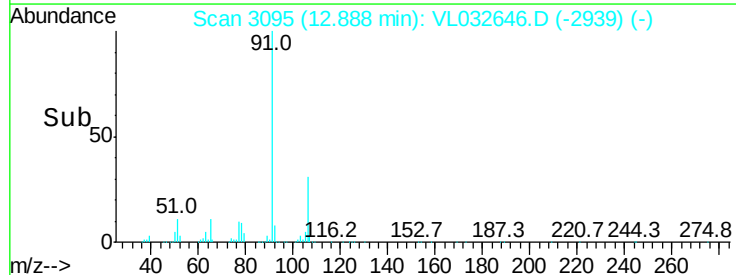
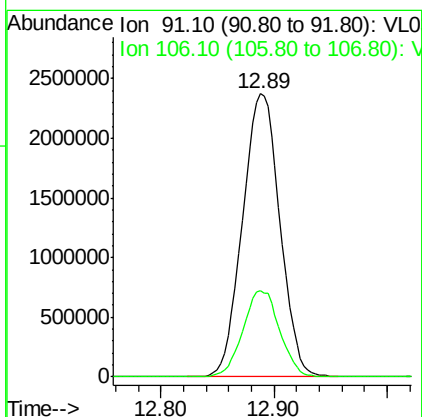
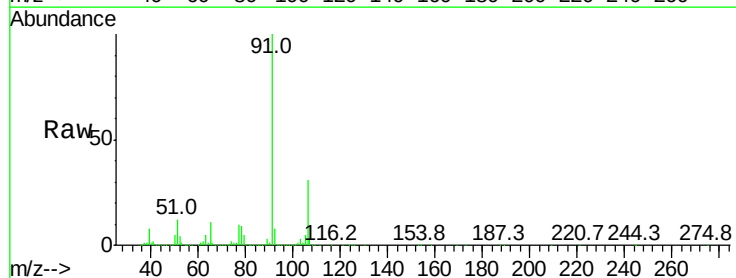
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

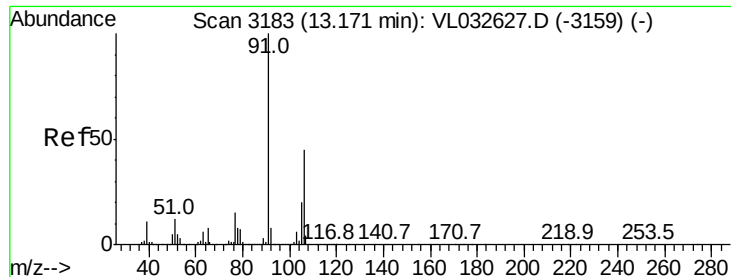
Tgt Ion	Ratio	Lower	Upper
112	100		
77	9.6	56.8	85.2#
114	0.5	30.3	37.1#



#58
Ethyl Benzene
Concen: 16.858 ppbv
RT: 12.89 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL032646.D
Acq: 17 Oct 2018 18:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.2

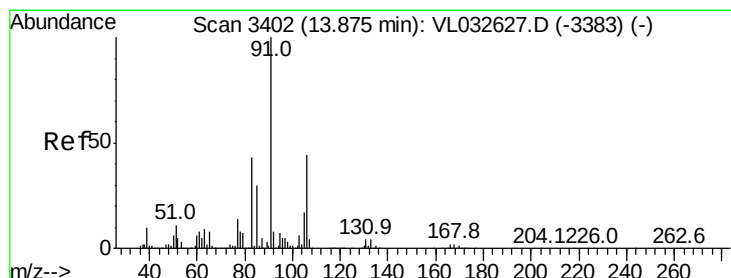
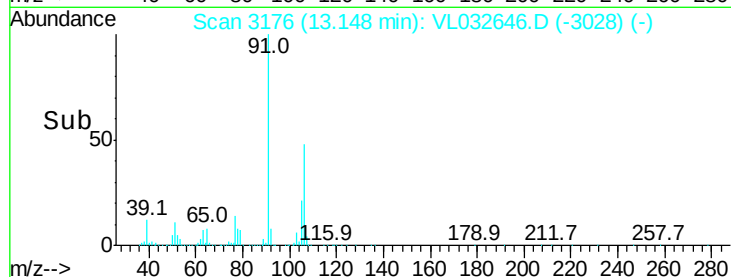
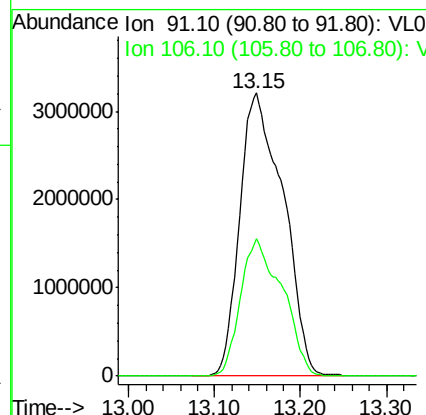
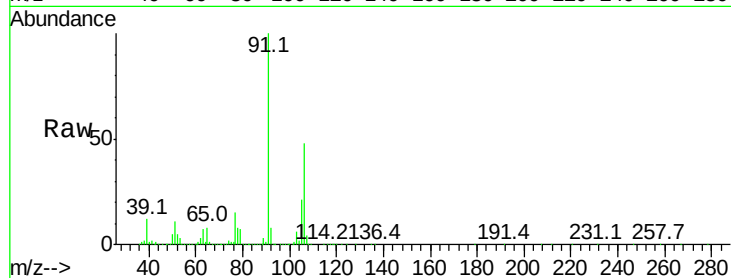




#59
m/p-Xylene
Concen: 38.943 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL032646.D
Acq: 17 Oct 2018 18:15

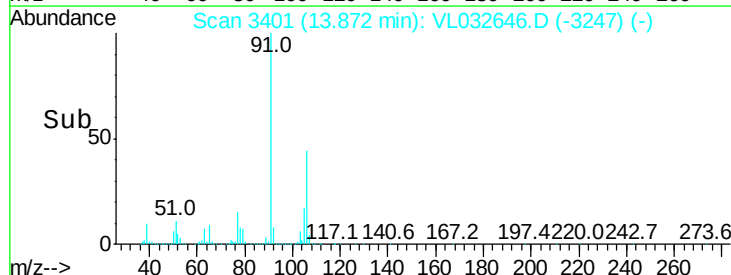
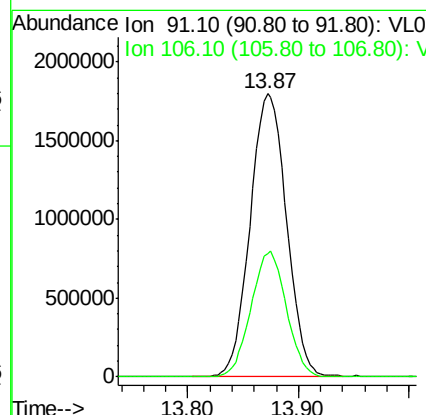
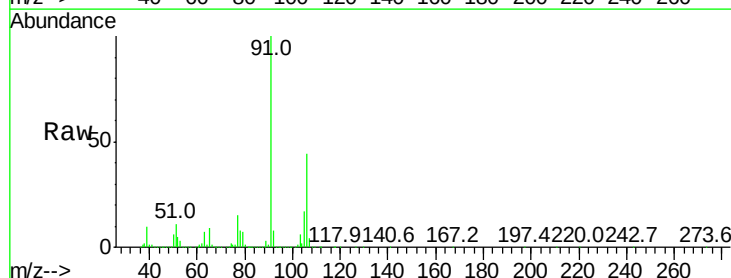
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

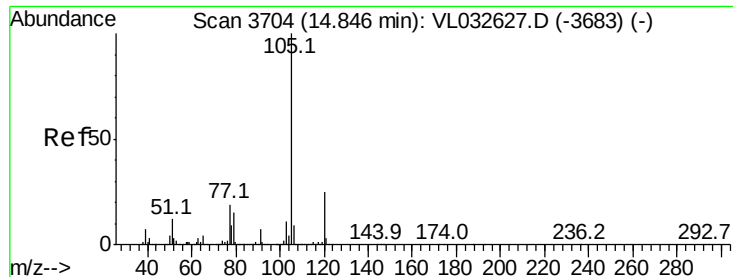
Tgt Ion: 91 Resp: 11212919
Ion Ratio Lower Upper
91 100
106 47.0 35.9 53.9



#60
o-Xylene
Concen: 14.300 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032646.D
Acq: 17 Oct 2018 18:15

Tgt Ion: 91 Resp: 4102983
Ion Ratio Lower Upper
91 100
106 43.3 22.1 66.1





#62

Isopropylbenzene

Concen: 0.731 ppbv

RT: 14.85 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

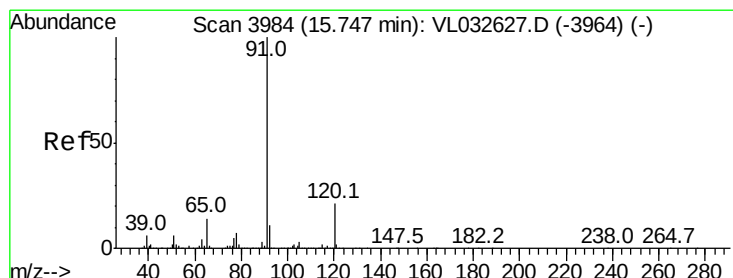
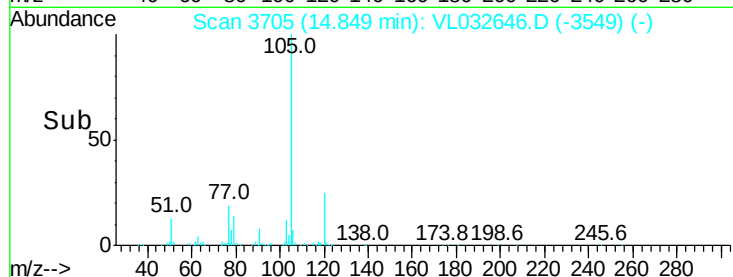
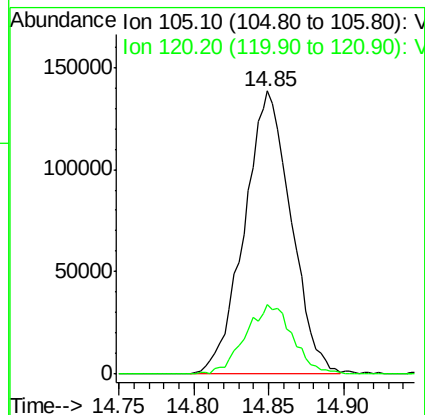
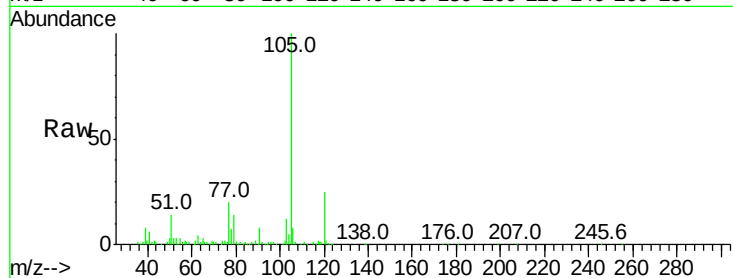
SS08-MIVI

Tgt Ion:105 Resp: 298608

Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7



#64

n-propylbenzene

Concen: 1.548 ppbv

RT: 15.75 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VL032646.D

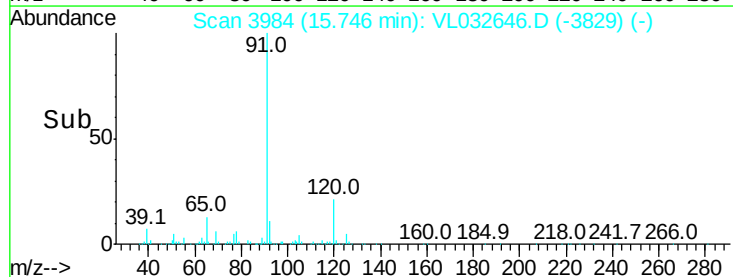
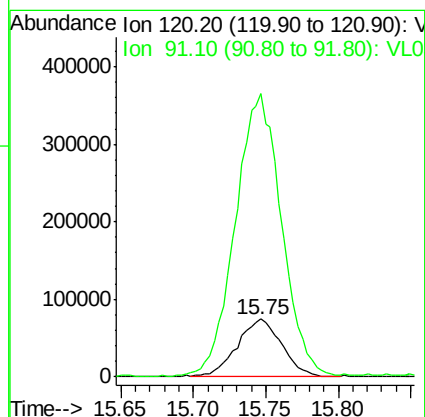
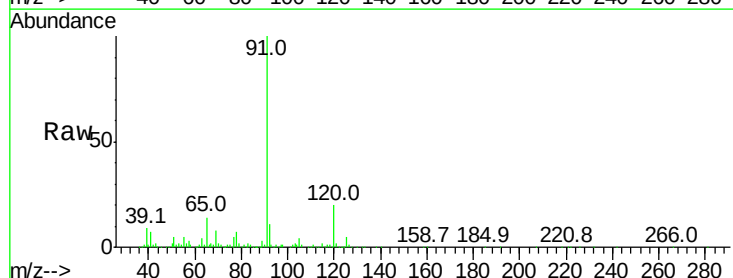
Acq: 17 Oct 2018 18:15

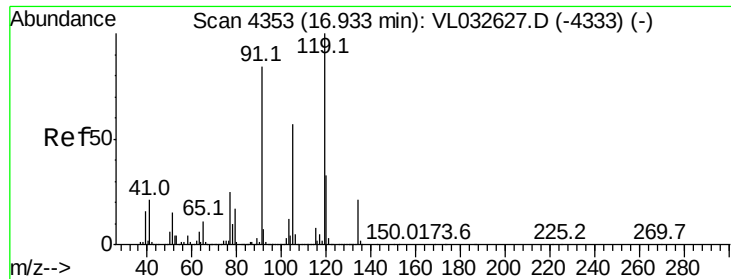
Tgt Ion:120 Resp: 160333

Ion Ratio Lower Upper

120 100

91 507.7 390.2 585.2





#65

tert-Butylbenzene

Concen: 0.792 ppbv

RT: 16.95 min Scan# 4358

Delta R.T. 0.02 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

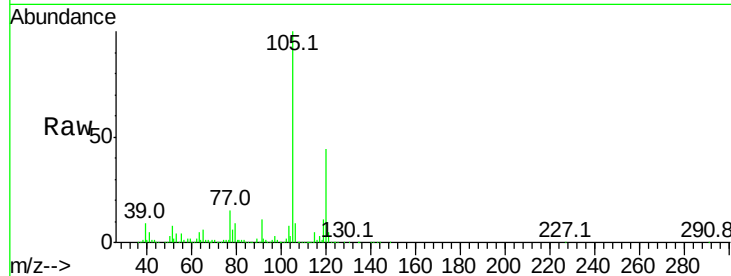
Tgt Ion: 119 Resp: 274563

Ion Ratio Lower Upper

119 100

91 112.5 67.8 101.8#

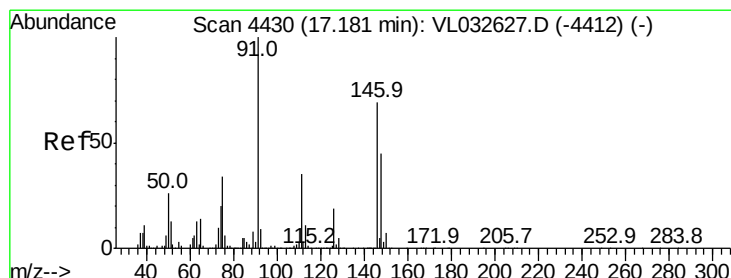
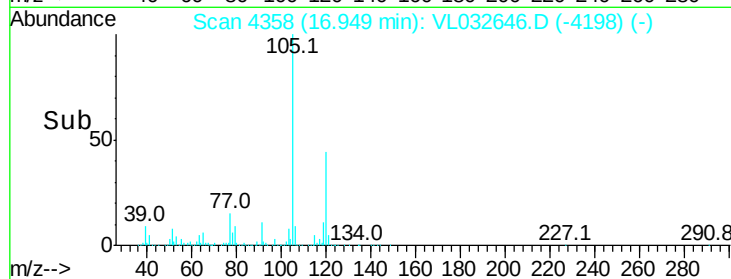
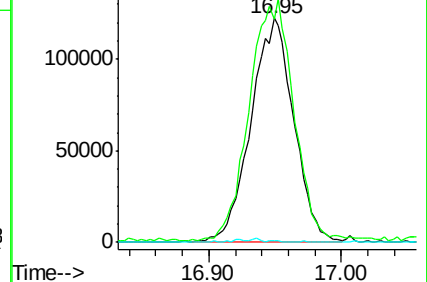
134 1.4 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.620 ppbv

RT: 16.95 min Scan# 4359

Delta R.T. -0.23 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

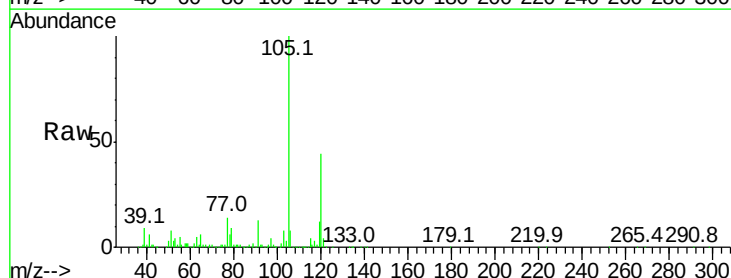
Tgt Ion: 91 Resp: 121191

Ion Ratio Lower Upper

91 100

126 0.2 13.9 20.9#

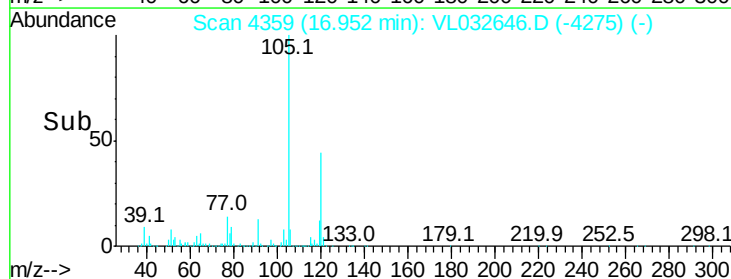
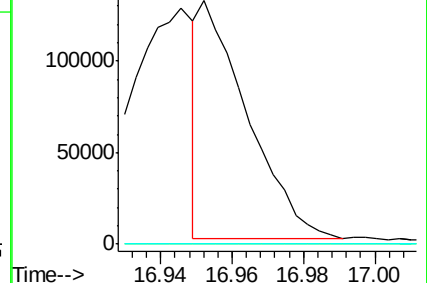
128 0.1 4.3 6.5#

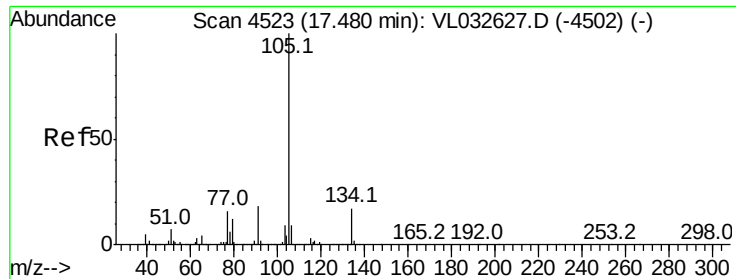


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.104 ppbv

RT: 17.48 min Scan# 4523

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

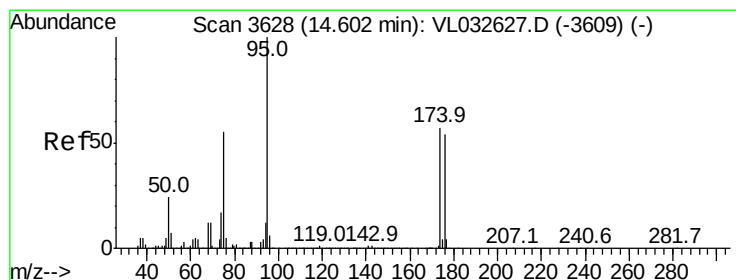
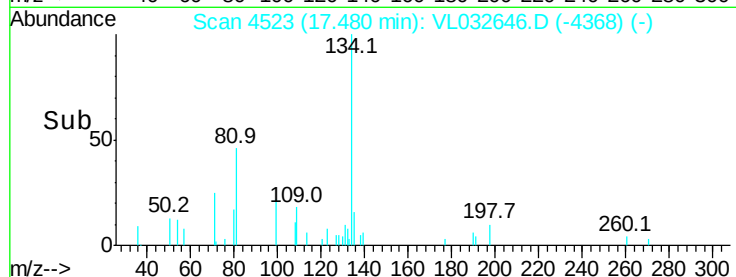
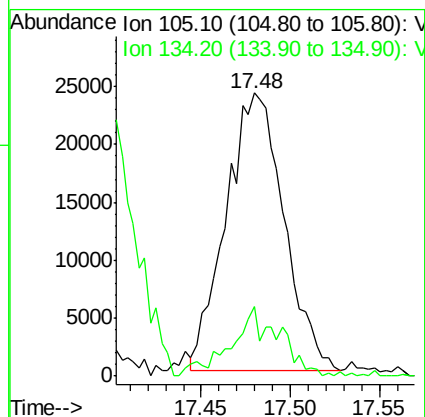
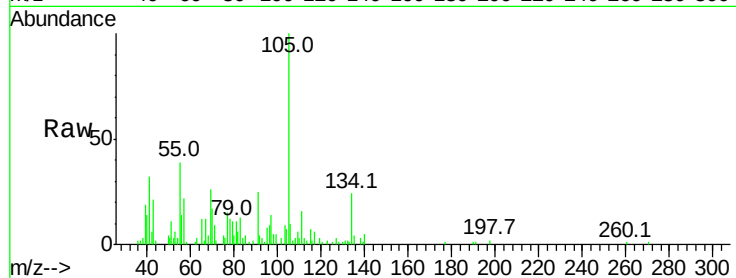
SS08-MIVI

Tgt Ion:105 Resp: 54137

Ion Ratio Lower Upper

105 100

134 20.5 14.2 21.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.657 ppbv

RT: 14.60 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

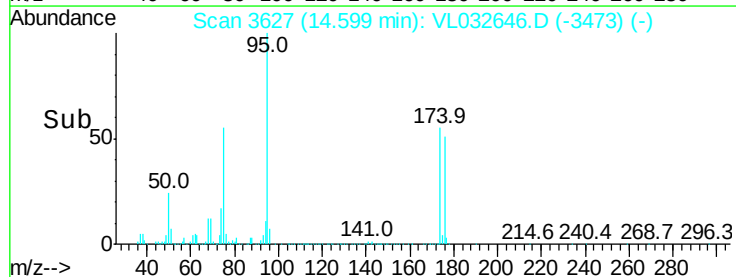
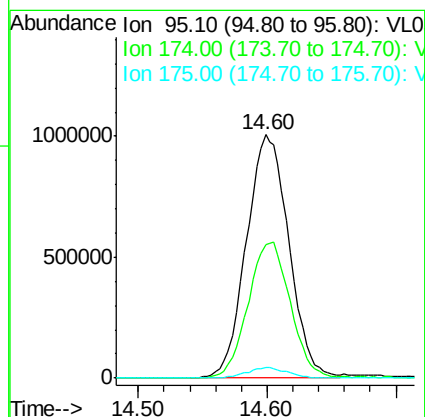
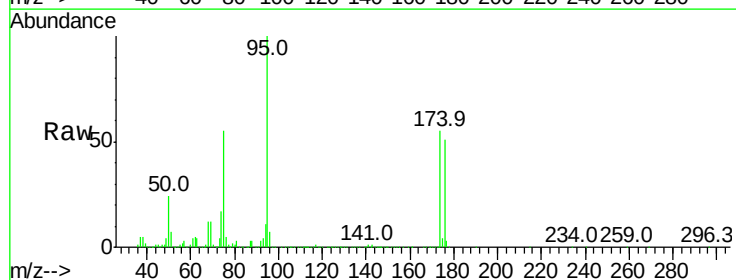
Tgt Ion: 95 Resp: 2304714

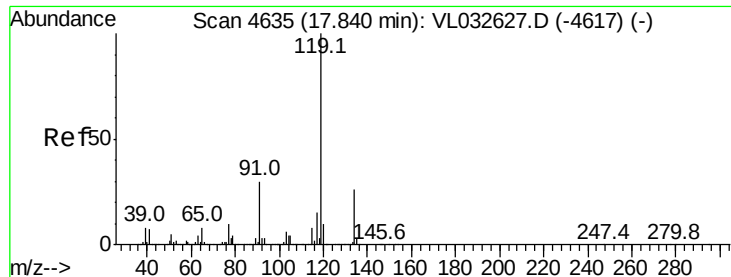
Ion Ratio Lower Upper

95 100

174 56.4 46.0 69.0

175 4.2 3.4 5.0

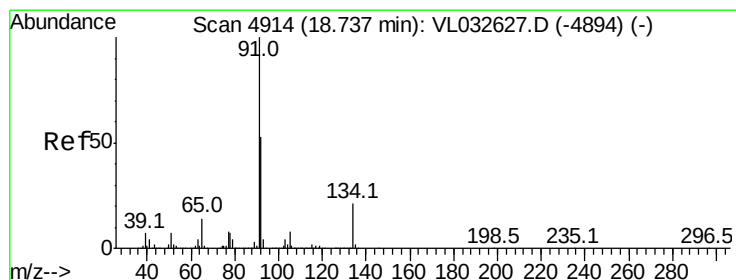
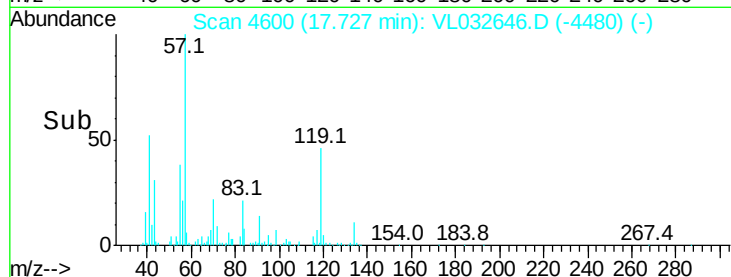
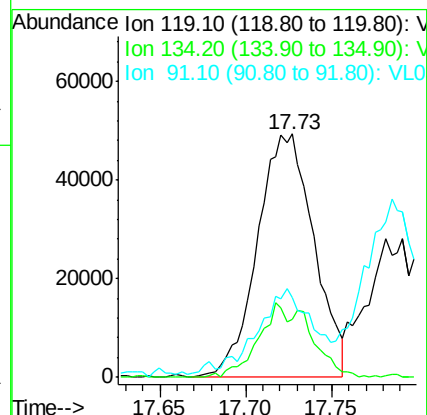
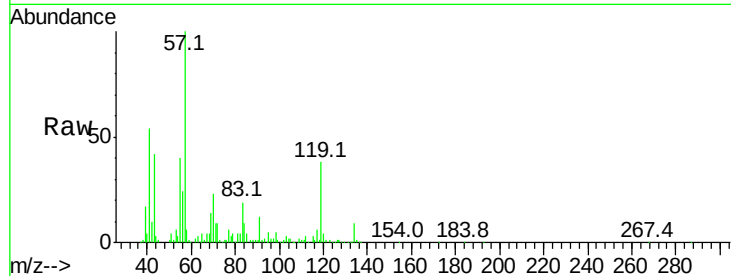




#69
 p-Isopropyltoluene
 Concen: 0.285 ppbv
 RT: 17.73 min Scan# 4600
 Delta R.T. -0.11 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

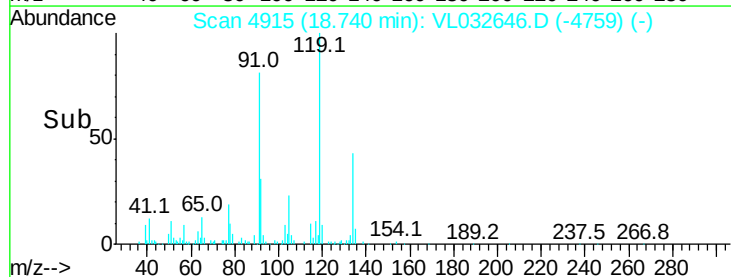
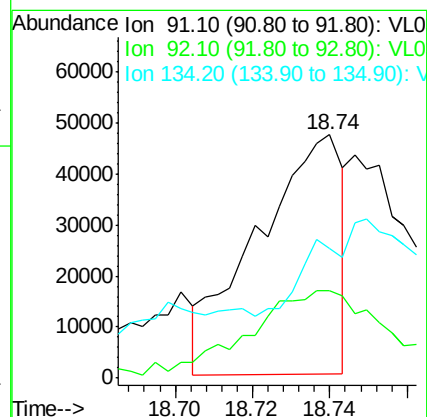
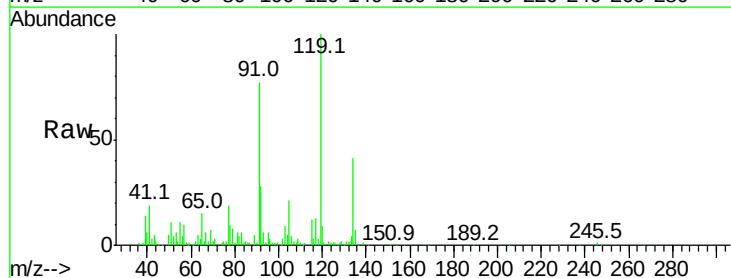
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

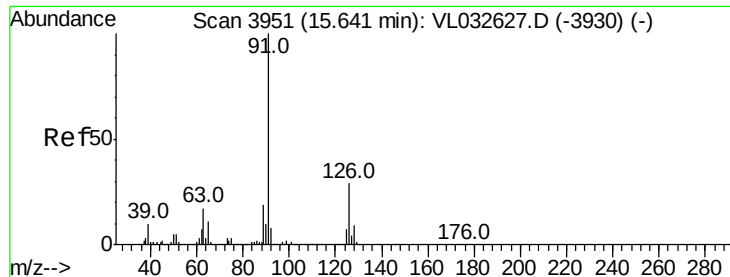
Tgt Ion: 119 Resp: 112643
 Ion Ratio Lower Upper
 119 100
 134 28.4 20.2 30.2
 91 35.3 24.0 36.0



#70
 n-Butylbenzene
 Concen: 0.166 ppbv
 RT: 18.74 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

Tgt Ion: 91 Resp: 72062
 Ion Ratio Lower Upper
 91 100
 92 64.2 43.0 64.4
 134 0.0 17.0 25.6#

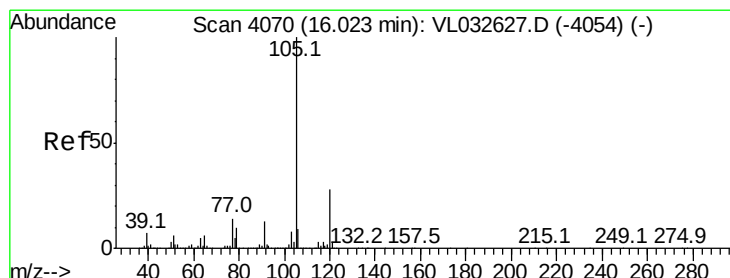
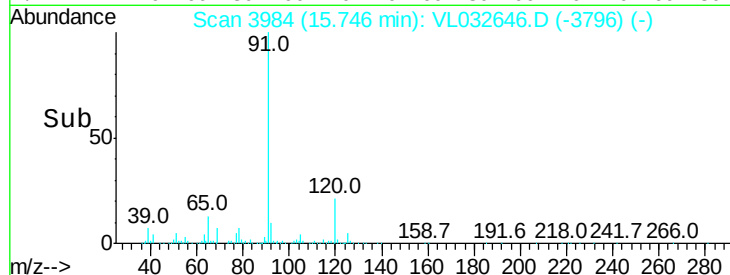
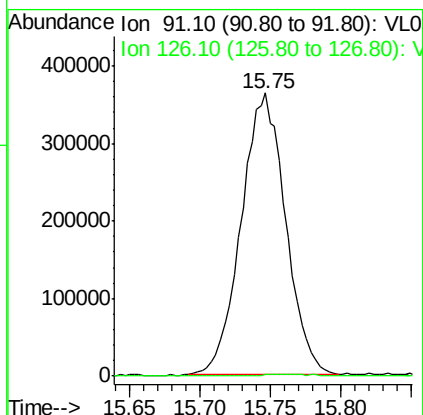
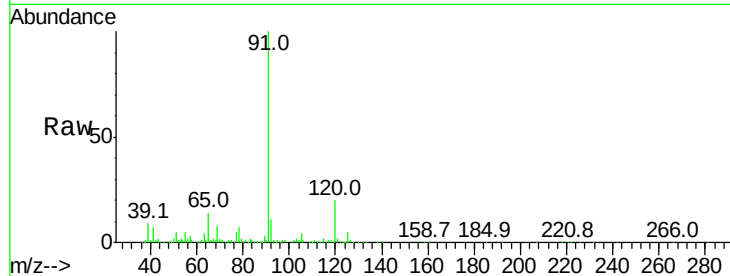




#71
 2-Chlorotoluene
 Concen: 2.647 ppbv
 RT: 15.75 min Scan# 3984
 Delta R.T. 0.11 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

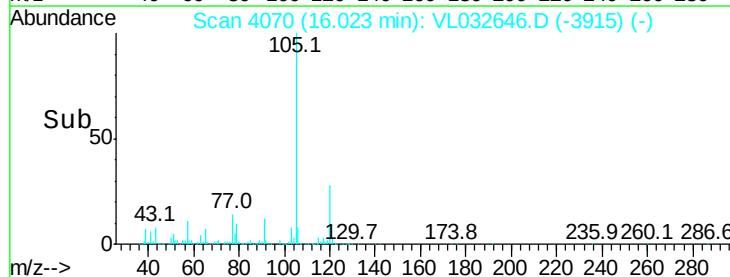
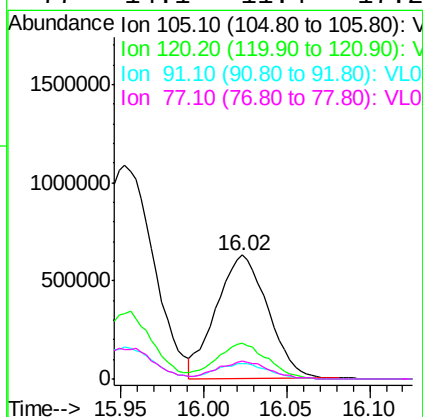
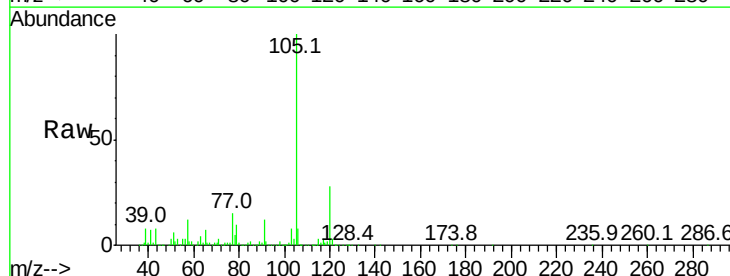
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

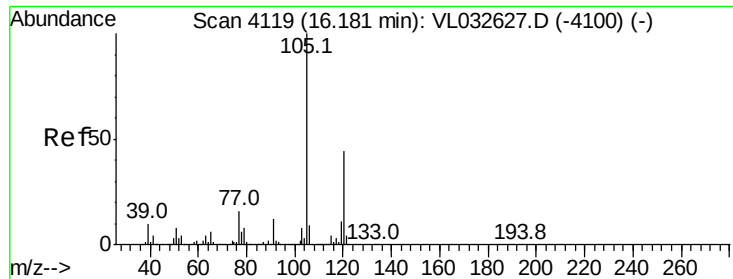
Tgt Ion: 91 Resp: 799741
 Ion Ratio Lower Upper
 91 100
 126 0.8 11.8 47.4#



#72
 4-Ethyltoluene
 Concen: 4.386 ppbv
 RT: 16.02 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL032646.D
 Acq: 17 Oct 2018 18:15

Tgt Ion: 105 Resp: 1360192
 Ion Ratio Lower Upper
 105 100
 120 28.4 23.7 35.5
 91 12.5 10.4 15.6
 77 14.1 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 2.761 ppbv

RT: 16.18 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

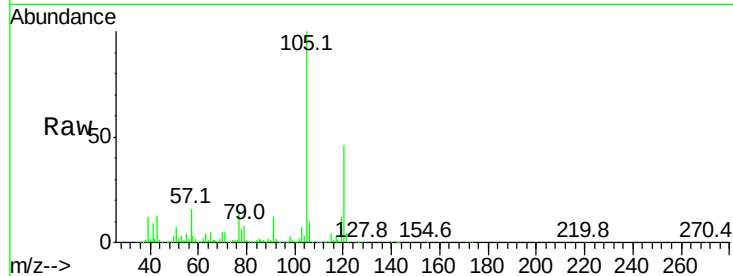
SS08-MIVI

Tgt Ion:105 Resp: 851613

Ion Ratio Lower Upper

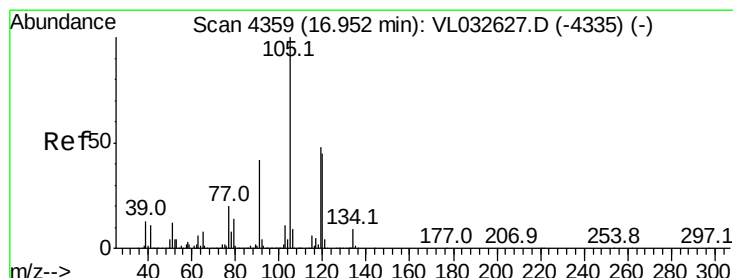
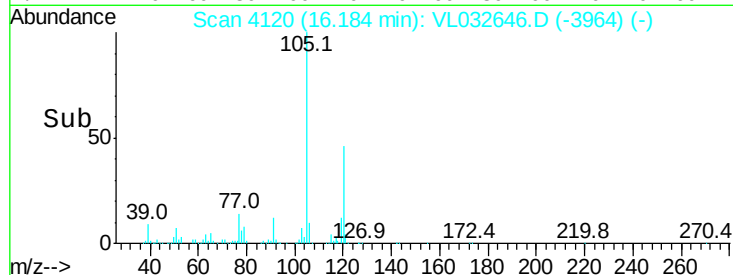
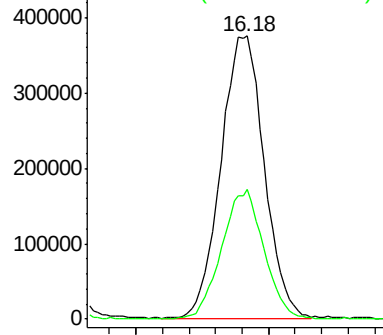
105 100

120 46.0 35.4 53.2



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: 7.461 ppbv

RT: 16.95 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Tgt Ion:105 Resp: 2534130

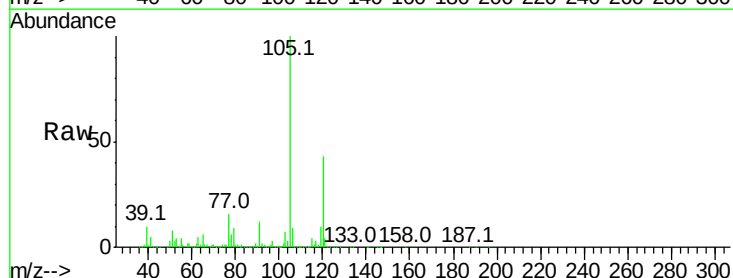
Ion Ratio Lower Upper

105 100

120 43.2 35.8 53.8

91 11.8 33.2 49.8#

77 15.5 16.2 24.4#

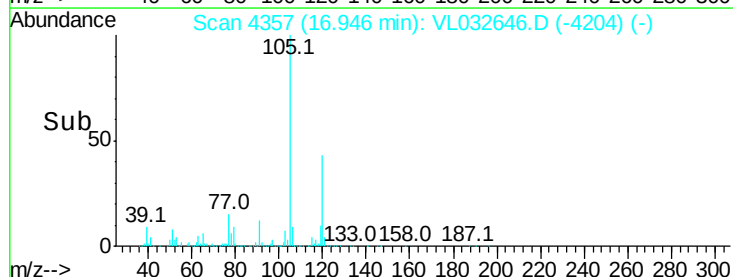
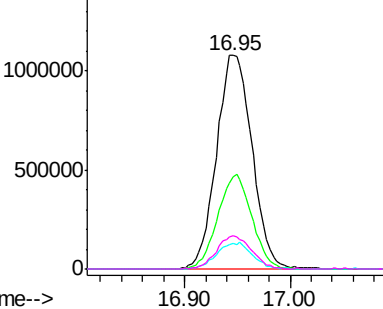


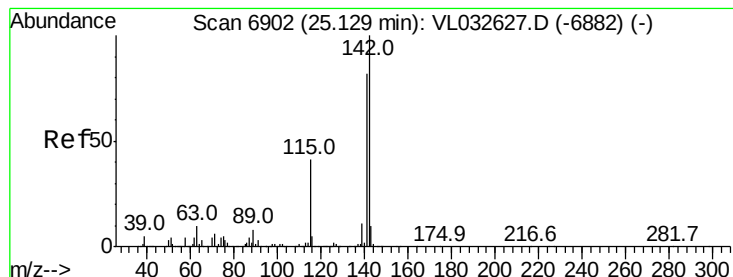
Abundance Ion 105.10 (104.80 to 105.80): V

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





#80

Naphthalene, 2-methyl-

Concen: 0.746 ppbv

RT: 25.15 min Scan# 6910

Delta R.T. 0.03 min

Lab File: VL032646.D

Acq: 17 Oct 2018 18:15

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVI

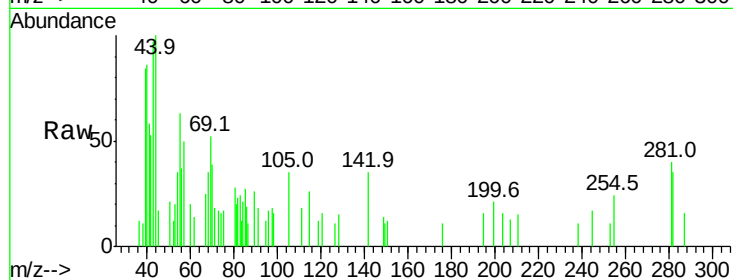
Tgt Ion:142 Resp: 480

Ion Ratio Lower Upper

142 100

141 45.6 67.5 101.3#

115 44.2 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

