

Data File : VL032365.D
Acq On : 16 Aug 2018 00:30
Operator : SY/AP
Sample : J4457-02L 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

Quant Time: Aug 16 05:49:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2047308	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4246881	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4134079	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3220382	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	7616	Below Cal	#	85
3) Chlorodifluoromethane	3.05	51	13254	0.070	ppbv	# 85
4) Chloromethane	3.21	50	5520	0.049	ppbv	99
9) Propene	3.27	41	1535691	18.920	ppbv	97
10) Heptane	8.31	43	3004359	12.289	ppbv	99
11) Trichlorofluoromethane	4.05	101	9454	0.041	ppbv	85
13) Ethanol	3.69	45	376159	18.044	ppbv	98
15) Acetone	3.97	43	3098175	15.928	ppbv	# 64
16) 1,3-Butadiene	3.38	39	23665	0.295	ppbv	# 1
17) tert-Butyl alcohol	4.42	59	11415	0.350	ppbv	# 74
19) Isopropyl Alcohol	4.07	45	242385	1.851	ppbv	# 1
20) Methylene Chloride	4.45	84	16138	0.220	ppbv	# 73
21) Allyl Chloride	4.70	41	90004	0.733	ppbv	# 47
23) Vinyl Acetate	5.19	43	663839	1.976	ppbv	# 1
25) Ethyl Acetate	5.83	43	2183231	5.237	ppbv	# 77
26) Hexane	5.84	57	3031455	16.313	ppbv	# 43
27) Carbon Disulfide	4.67	76	68113	0.393	ppbv	# 75
30) Cyclohexane	7.31	84	2444906	17.271	ppbv	97
34) 2-Butanone	5.38	43	268013	0.927	ppbv	97
36) Benzene	7.06	78	1012253	2.811	ppbv	98
39) 1,2-Dichloropropane	7.35	63	1121353	7.456	ppbv	# 25
41) Tetrahydrofuran	6.48	42	653485	4.211	ppbv	# 39
42) Bromodichloromethane	7.98	83	96653	0.338	ppbv	# 30
43) Methyl Methacrylate	8.29	69	5694	0.040	ppbv	# 1
44) 2,2,4-Trimethylpentane	8.05	57	116695	0.180	ppbv	# 1
50) 4-Methyl-2-Pentanone	8.96	43	37573	0.090	ppbv	94
51) 2-Hexanone	10.32	43	631247	2.153	ppbv	# 31
52) Tetrachloroethene	11.46	164	10423000	98.158	ppbv	88
53) Toluene	10.01	91	6777544	17.172	ppbv	99
57) Chlorobenzene	12.41	112	291704	0.937	ppbv	# 31
58) Ethyl Benzene	12.94	91	2301775	4.628	ppbv	96
59) m/p-Xylene	13.19	91	5214411	12.341	ppbv	99
60) o-Xylene	13.92	91	1885770	4.541	ppbv	100
61) Styrene	13.76	104	25682	0.088	ppbv	# 27
62) Isopropylbenzene	14.90	105	120453	0.204	ppbv	# 49
63) 1,1,2,2-Tetrachloroethane	14.02	83	166077	0.476	ppbv	# 34
64) n-propylbenzene	15.79	120	62171	0.406	ppbv	# 1
65) tert-Butylbenzene	16.99	119	238415	0.472	ppbv	# 79
69) p-Isopropyltoluene	17.88	119	90417	0.157	ppbv	95
70) n-Butylbenzene	18.79	91	174170	0.276	ppbv	# 46
71) 2-Chlorotoluene	15.79	91	476923	1.042	ppbv	# 51

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Quantitation Report (Not Reviewed)

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

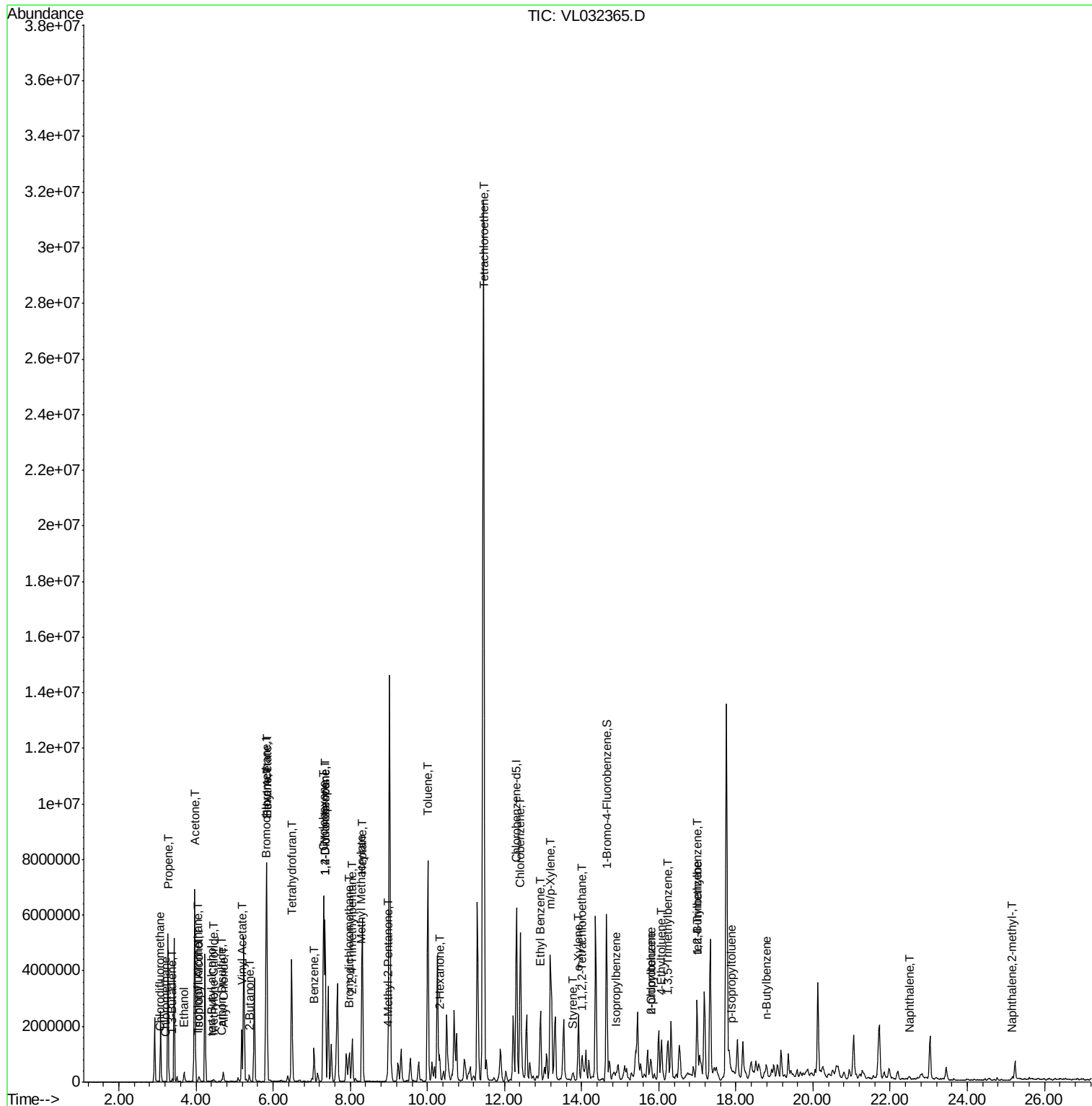
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	16.07	105	789913	1.705	ppbv	100
73) 1,3,5-Trimethylbenzene	16.22	105	761311	1.709	ppbv	99
74) 1,2,4-Trimethylbenzene	16.99	105	2044898	4.314	ppbv #	70
79) Naphthalene	22.50	128	9799	0.349	ppbv #	89
80) Naphthalene,2-methyl-	25.16	142	16256	0.172	ppbv #	77

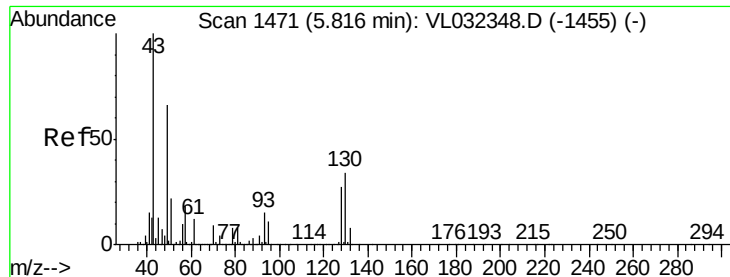
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

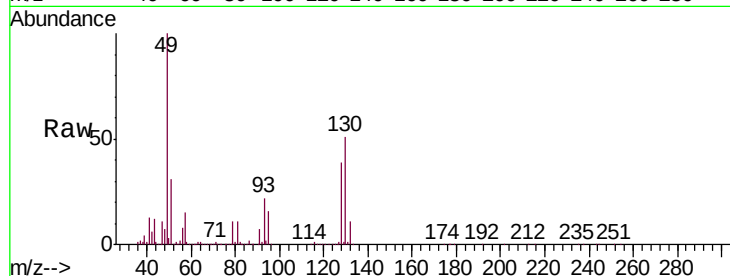
Tgt Ion: 49 Resp: 2047308

Ion Ratio Lower Upper

49 100

128 40.9 20.5 61.6

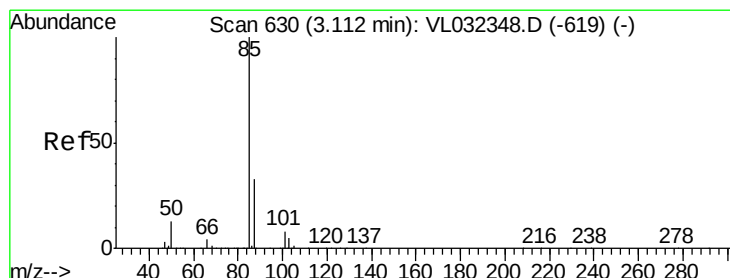
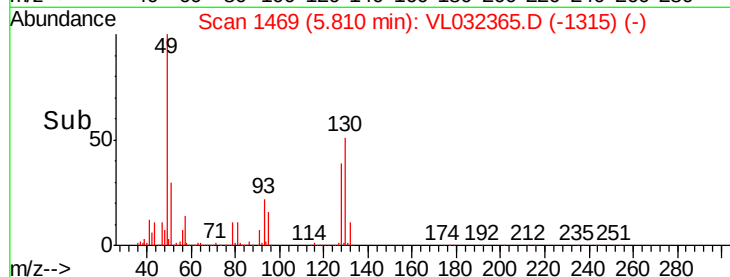
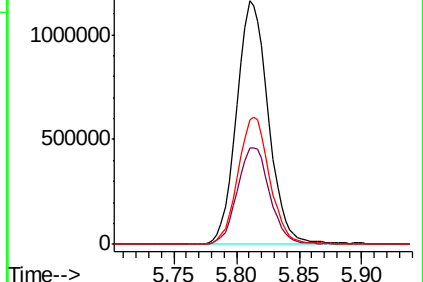
130 52.7 26.2 78.5



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: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032365.D

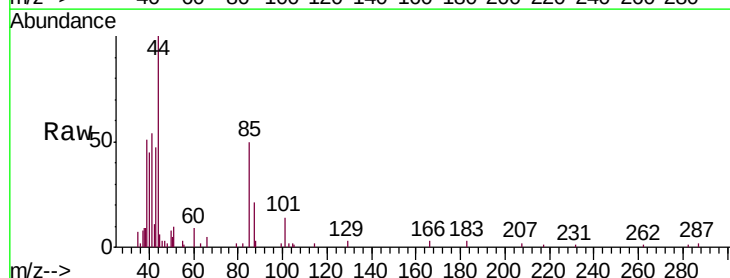
Acq: 16 Aug 2018 00:30

Tgt Ion: 85 Resp: 7616

Ion Ratio Lower Upper

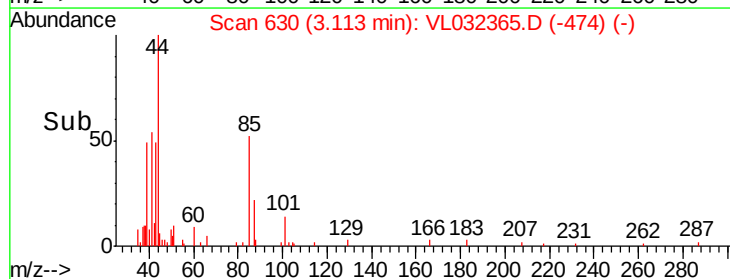
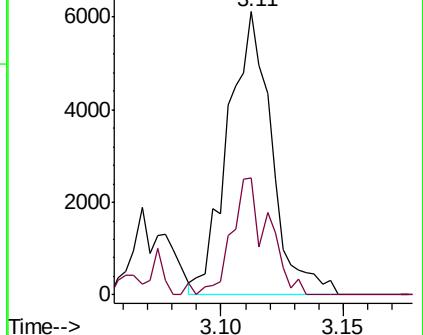
85 100

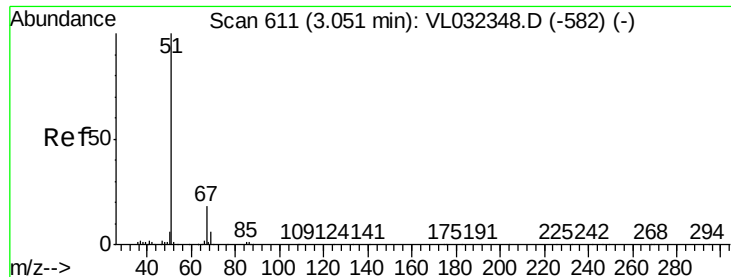
87 41.4 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.070 ppbv

RT: 3.05 min Scan# 612

Delta R.T. 0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

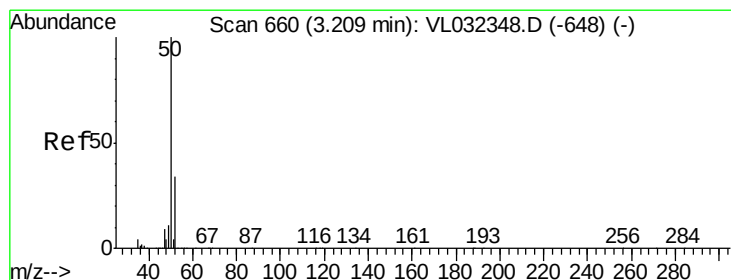
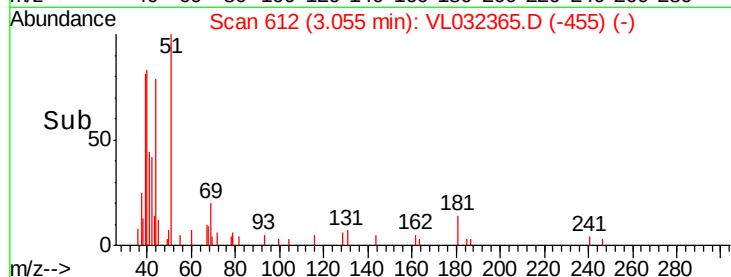
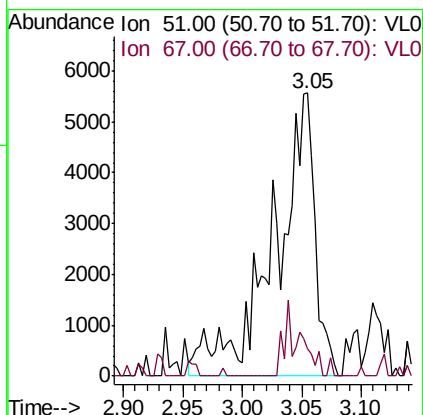
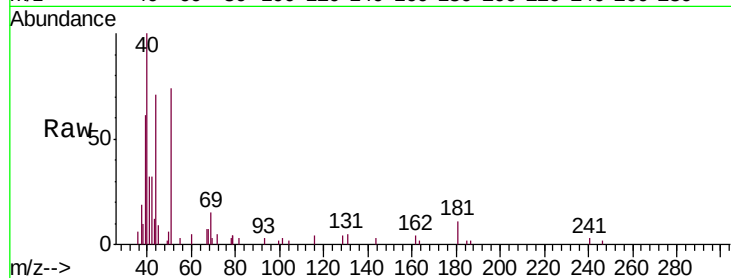
SS08-MIVIDL

Tgt Ion: 51 Resp: 13254

Ion Ratio Lower Upper

51 100

67 10.6 13.7 20.5#



#4

Chloromethane

Concen: 0.049 ppbv

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VL032365.D

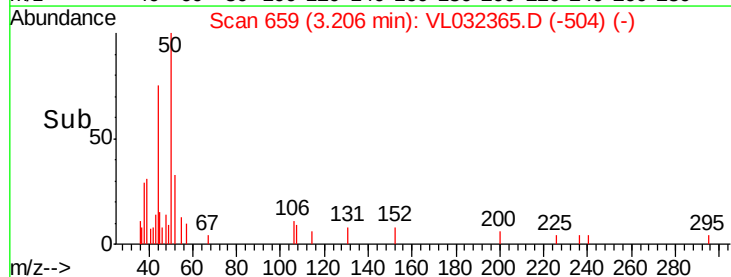
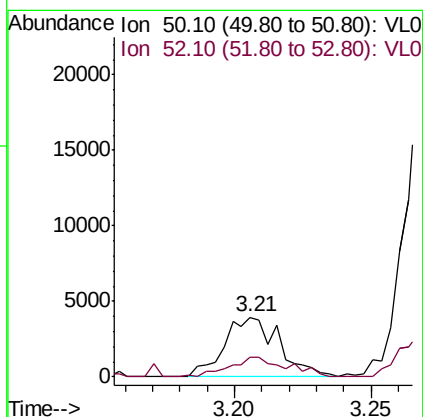
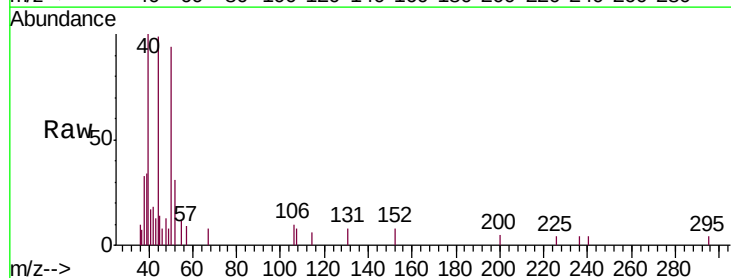
Acq: 16 Aug 2018 00:30

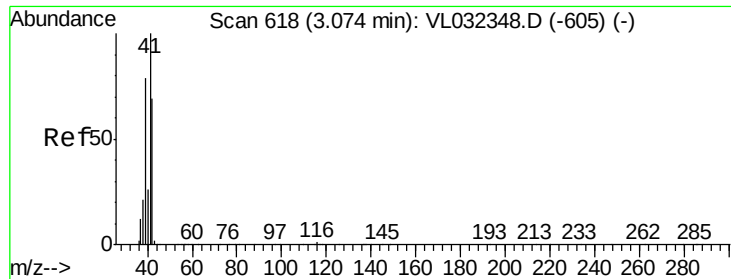
Tgt Ion: 50 Resp: 5520

Ion Ratio Lower Upper

50 100

52 32.7 26.8 40.2





#9

Propene

Concen: 18.920 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.20 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

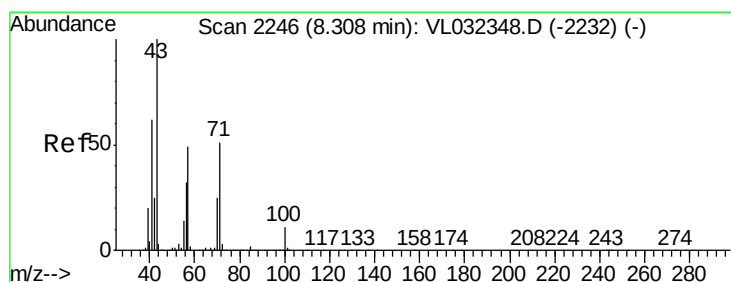
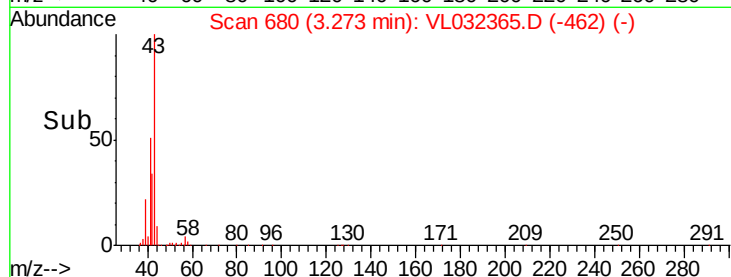
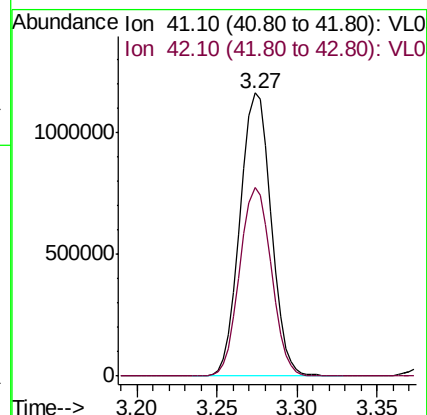
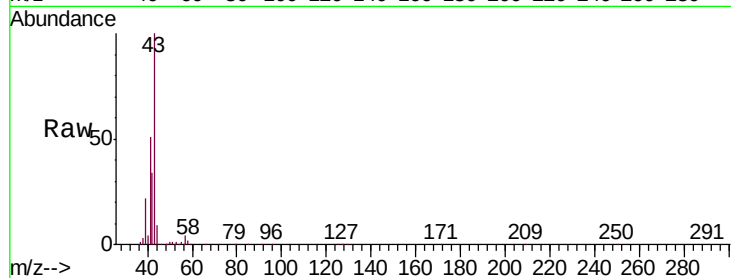
SS08-MIVIDL

Tgt Ion: 41 Resp: 1535691

Ion Ratio Lower Upper

41 100

42 67.3 55.9 83.9



#10

Heptane

Concen: 12.289 ppbv

RT: 8.31 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VL032365.D

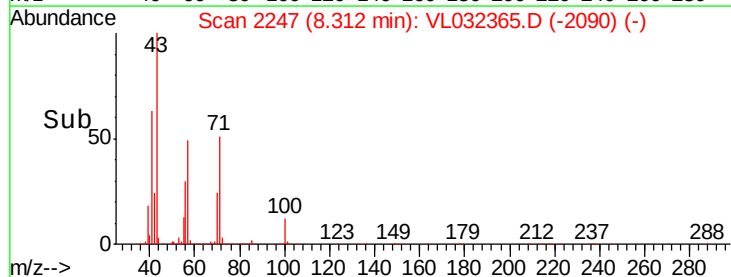
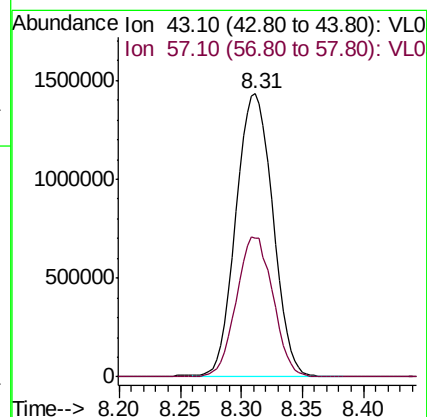
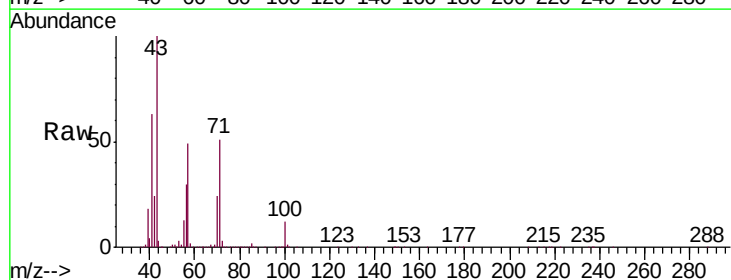
Acq: 16 Aug 2018 00:30

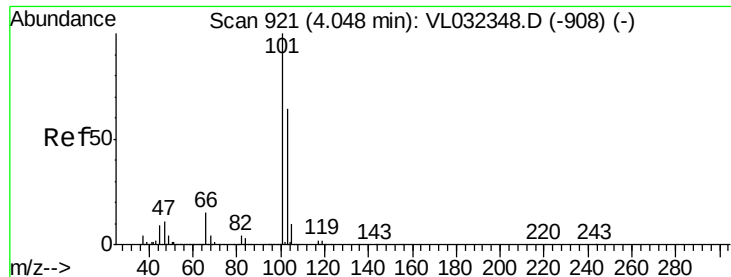
Tgt Ion: 43 Resp: 3004359

Ion Ratio Lower Upper

43 100

57 48.9 39.5 59.3

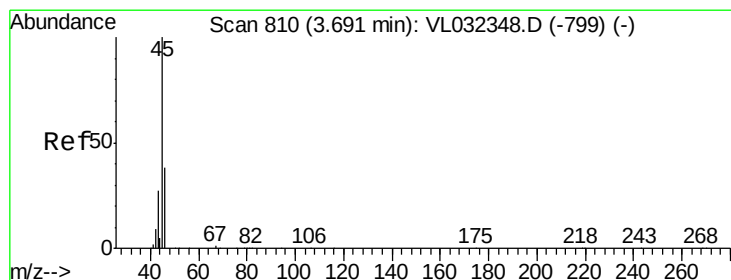
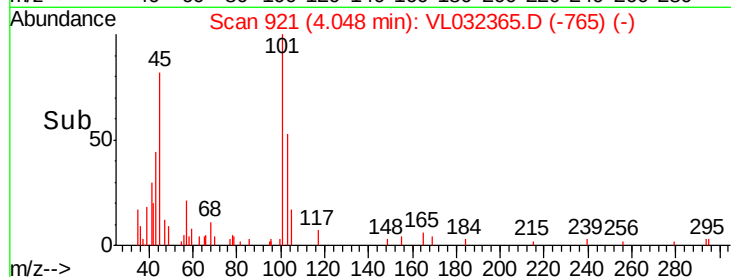
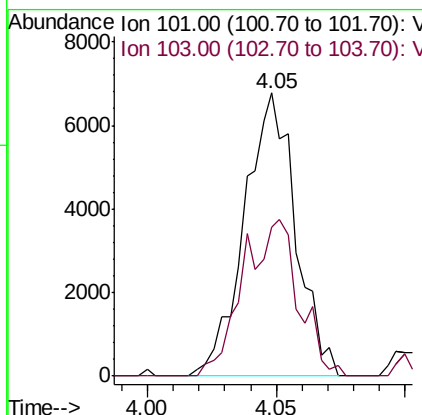
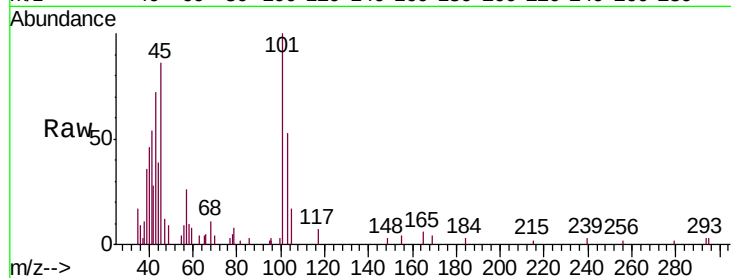




#11
 Trichlorofluoromethane
 Concen: 0.041 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

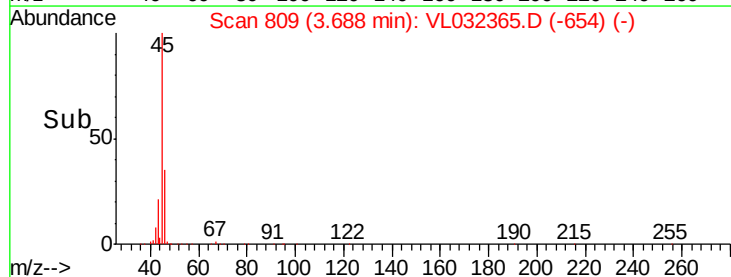
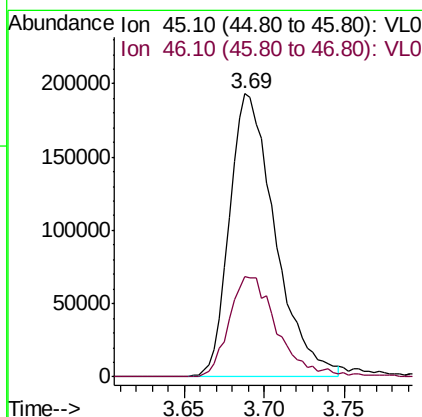
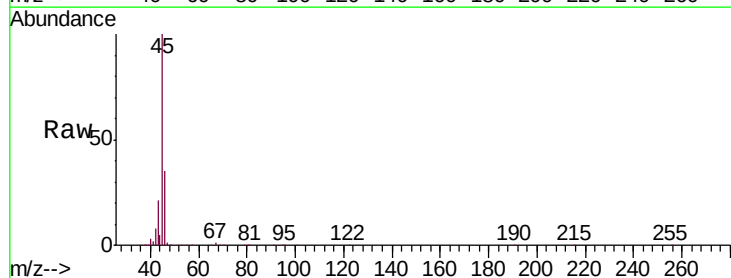
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

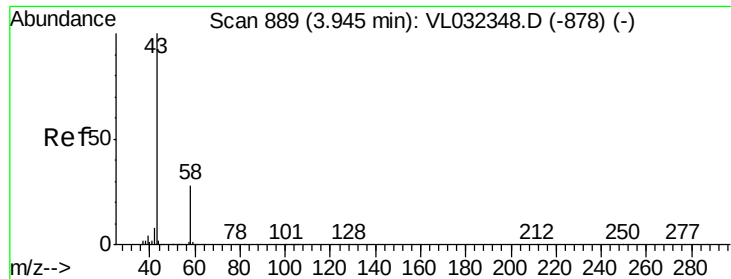
Tgt Ion: 101 Resp: 9454
 Ion Ratio Lower Upper
 101 100
 103 52.8 51.4 77.0



#13
 Ethanol
 Concen: 18.044 ppbv
 RT: 3.69 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

Tgt Ion: 45 Resp: 376159
 Ion Ratio Lower Upper
 45 100
 46 37.6 15.6 62.4





#15

Acetone

Concen: 15.928 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

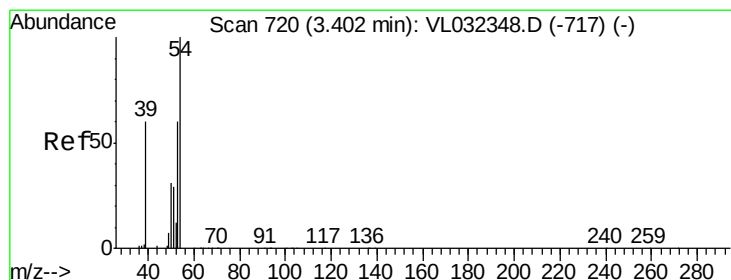
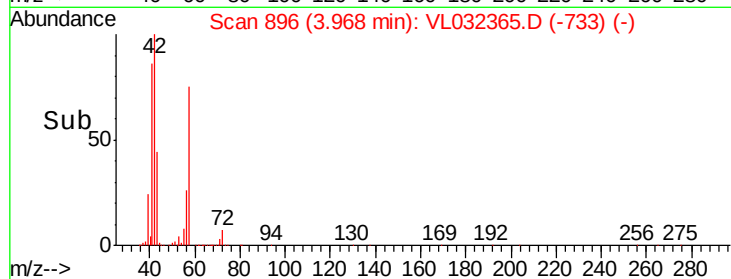
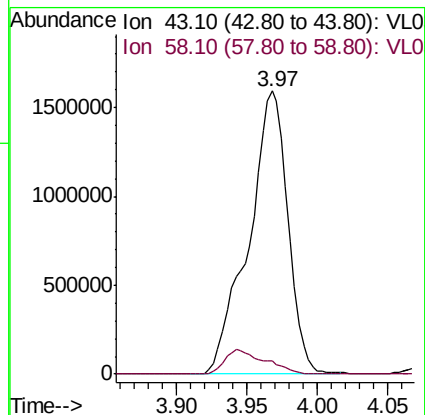
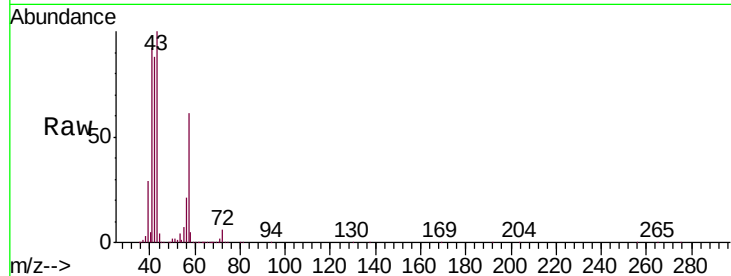
SS08-MIVIDL

Tgt Ion: 43 Resp: 3098175

Ion Ratio Lower Upper

43 100

58 9.1 22.4 33.6#



#16

1,3-Butadiene

Concen: 0.295 ppbv

RT: 3.38 min Scan# 713

Delta R.T. -0.02 min

Lab File: VL032365.D

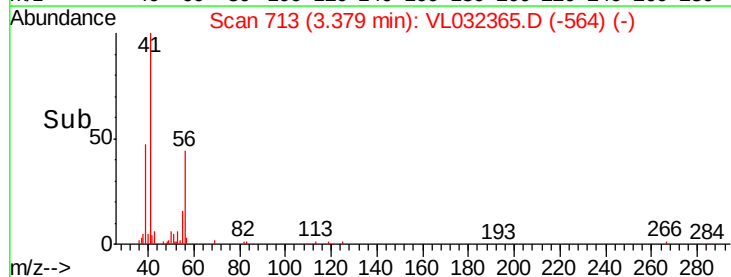
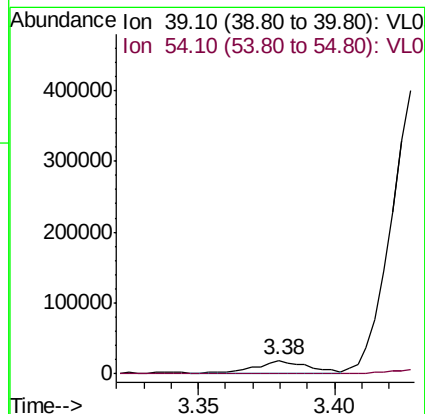
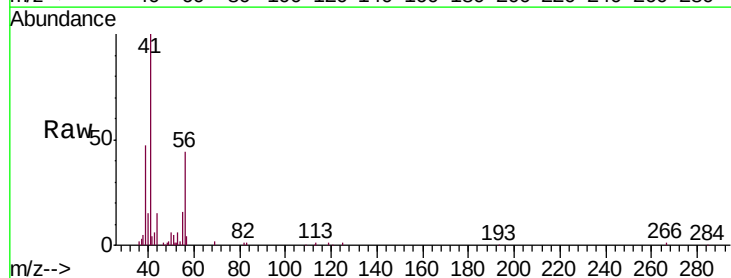
Acq: 16 Aug 2018 00:30

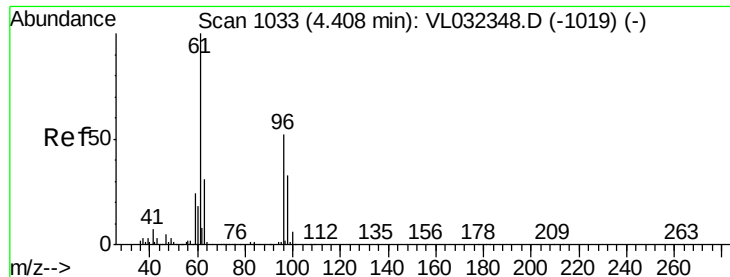
Tgt Ion: 39 Resp: 23665

Ion Ratio Lower Upper

39 100

54 0.0 85.5 128.3#





#17

tert-Butyl alcohol

Concen: 0.350 ppbv

RT: 4.42 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

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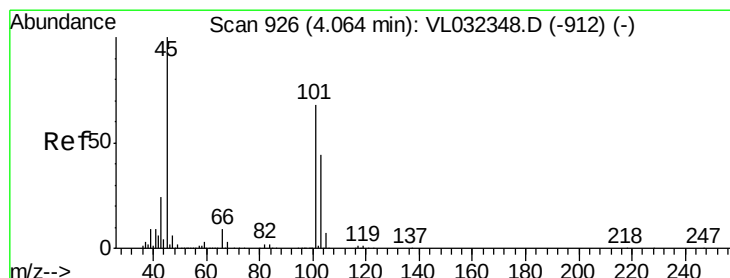
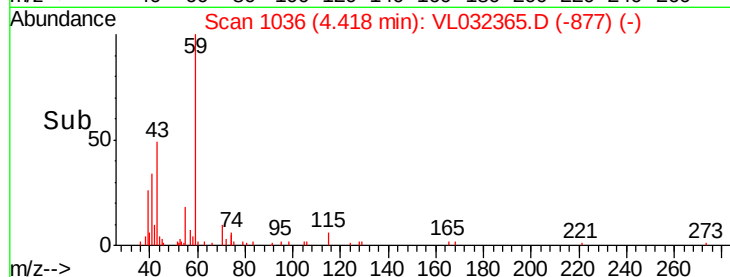
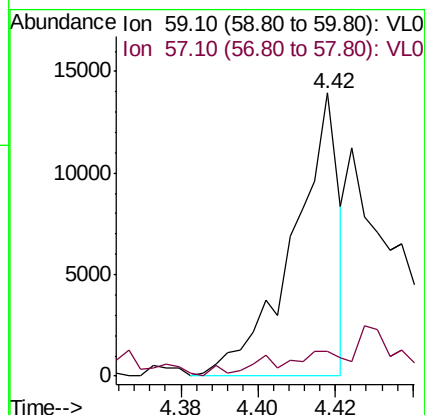
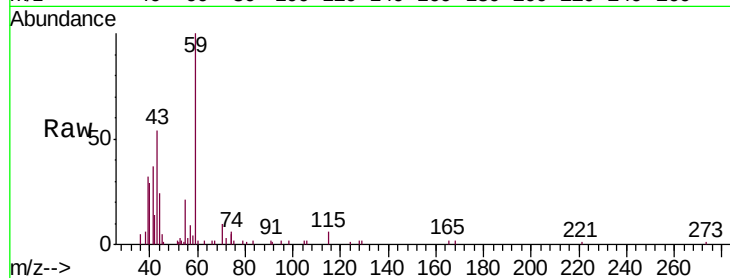
SS08-MIVIDL

Tgt Ion: 59 Resp: 11415

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



#19

Isopropyl Alcohol

Concen: 1.851 ppbv

RT: 4.07 min Scan# 929

Delta R.T. 0.01 min

Lab File: VL032365.D

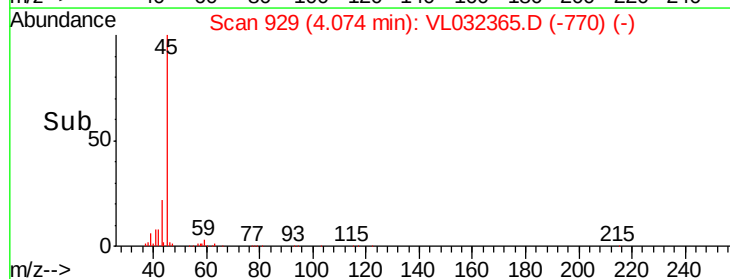
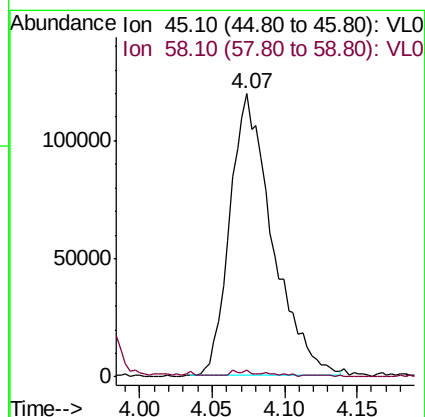
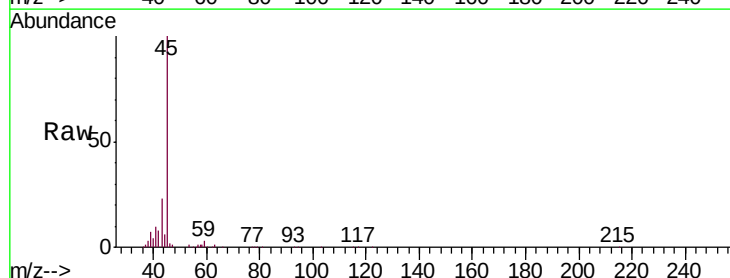
Acq: 16 Aug 2018 00:30

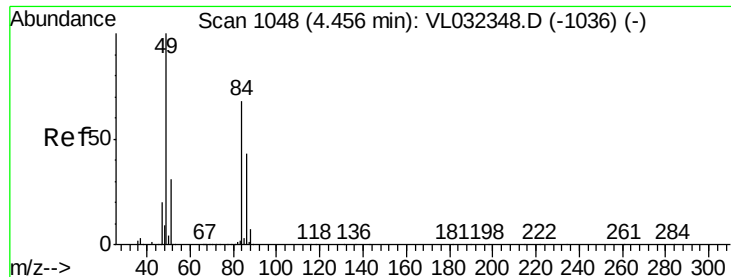
Tgt Ion: 45 Resp: 242385

Ion Ratio Lower Upper

45 100

58 115.6 1.4 2.0#

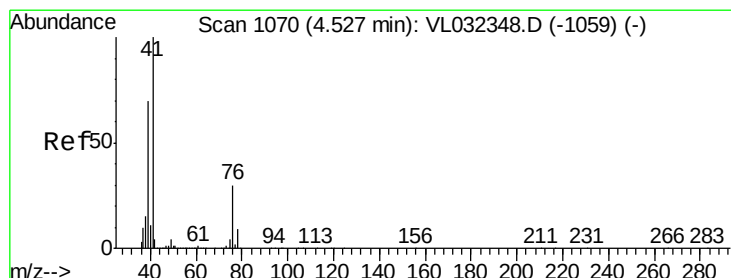
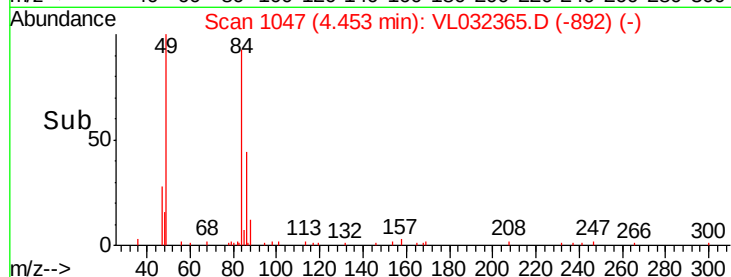
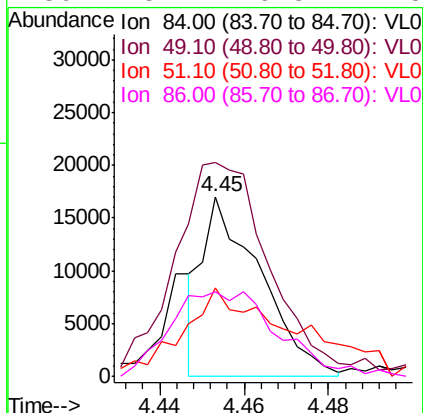
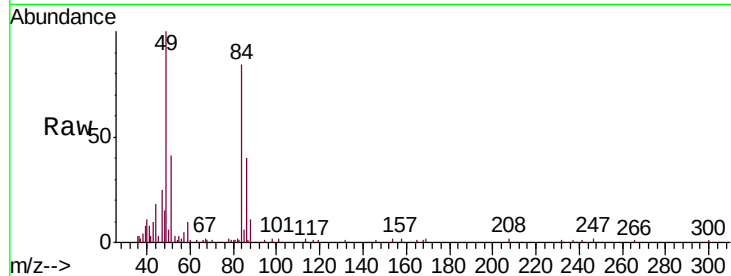




#20
Methylene Chloride
Concen: 0.220 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

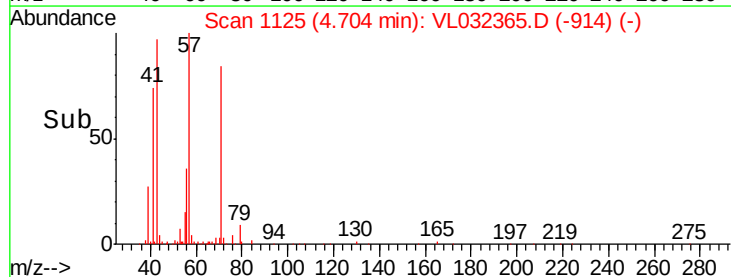
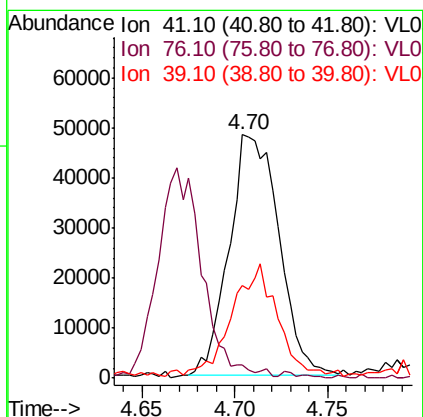
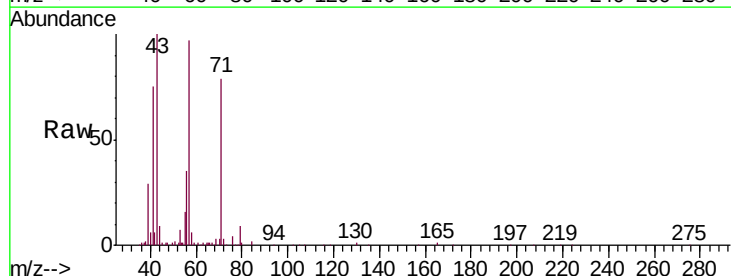
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

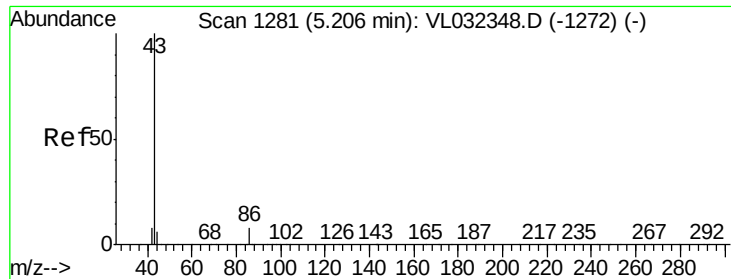
Tgt Ion: 84 Resp: 16138
Ion Ratio Lower Upper
84 100
49 110.7 117.3 175.9#
51 30.2 36.6 55.0#
86 43.7 49.8 74.8#



#21
Allyl Chloride
Concen: 0.733 ppbv
RT: 4.70 min Scan# 1125
Delta R.T. 0.18 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

Tgt Ion: 41 Resp: 90004
Ion Ratio Lower Upper
41 100
76 79.7 22.9 34.3#
39 42.2 57.6 86.4#





#23

Vinyl Acetate

Concen: 1.976 ppbv

RT: 5.19 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

Tgt Ion: 43 Resp: 663839

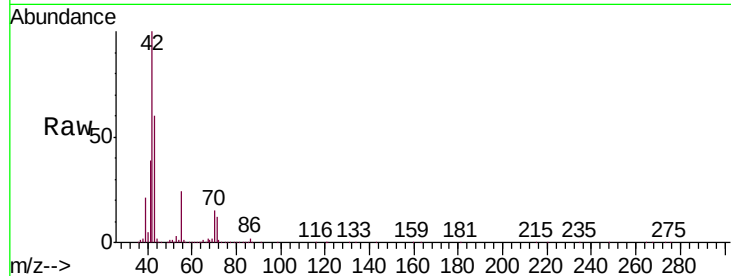
Ion Ratio Lower Upper

43 100

86 3.6 5.5 8.3#

42 166.7 7.0 10.6#

44 2.3 4.6 6.8#

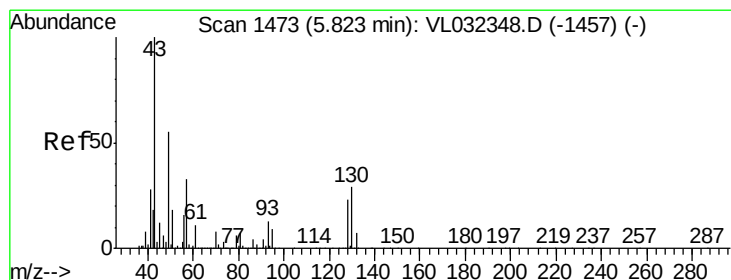
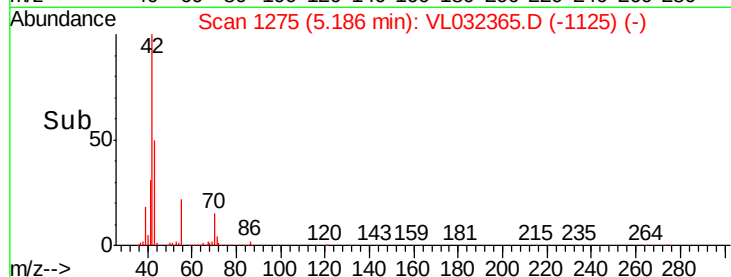
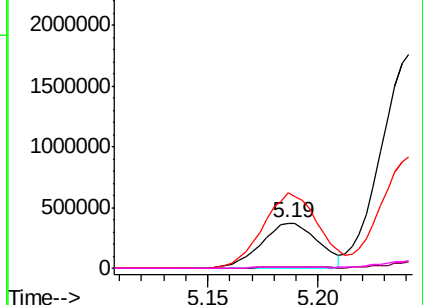


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 5.237 ppbv

RT: 5.83 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Tgt Ion: 43 Resp: 2183231

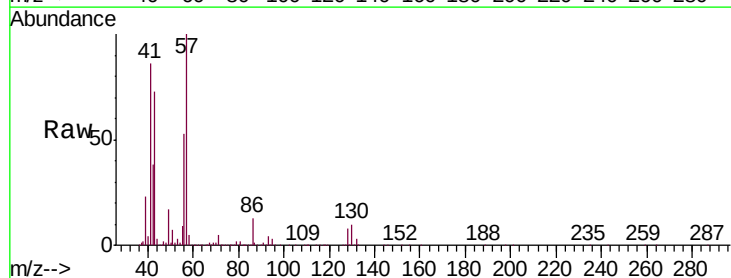
Ion Ratio Lower Upper

43 100

45 0.6 7.9 11.9#

61 0.4 7.4 11.2#

70 1.5 5.8 8.6#

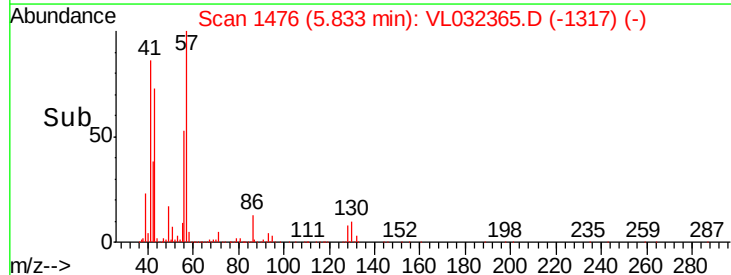
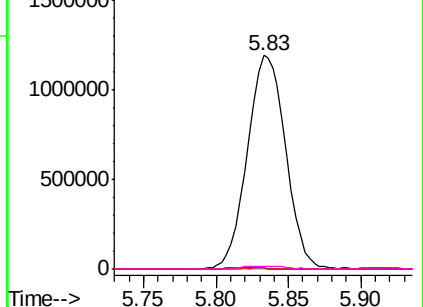


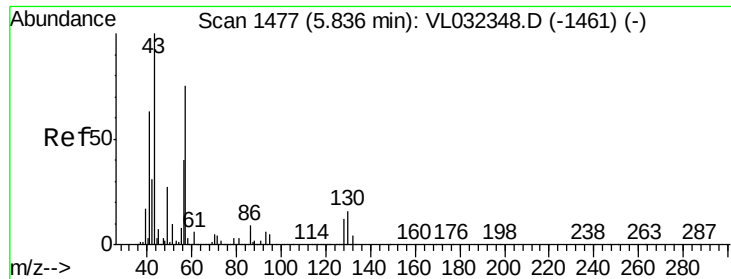
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



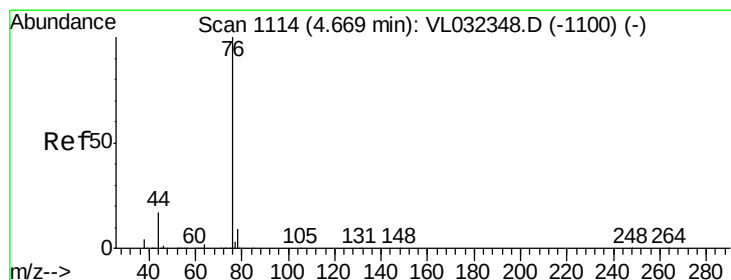
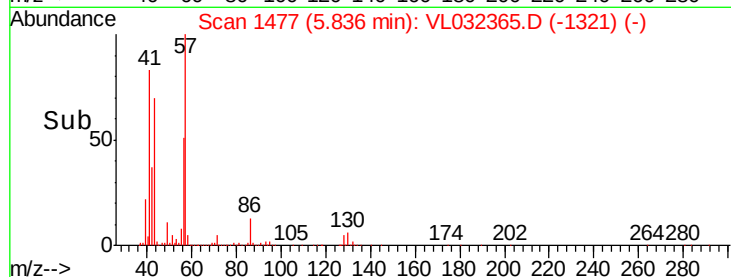
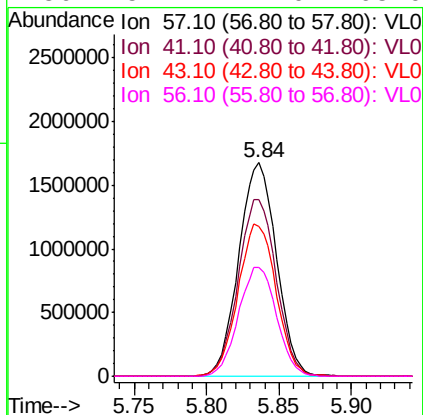
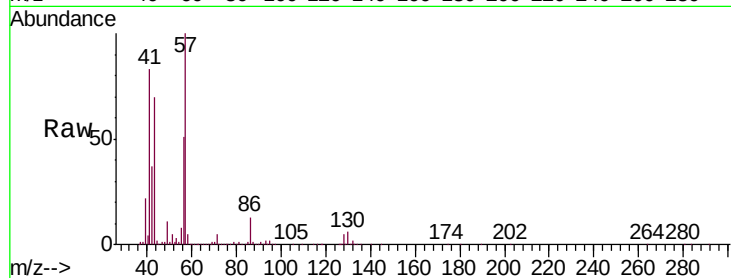


#26
Hexane
Concen: 16.313 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

Tgt Ion: 57 Resp: 3031455

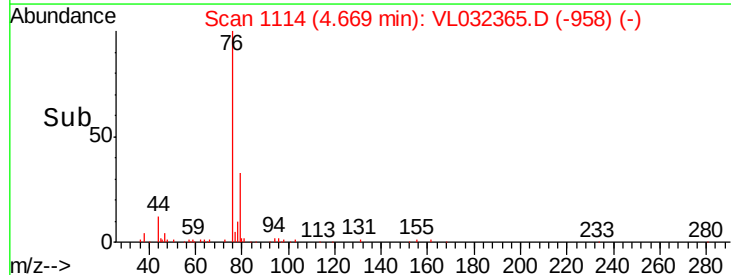
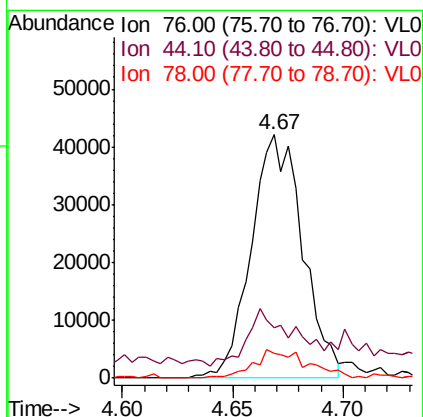
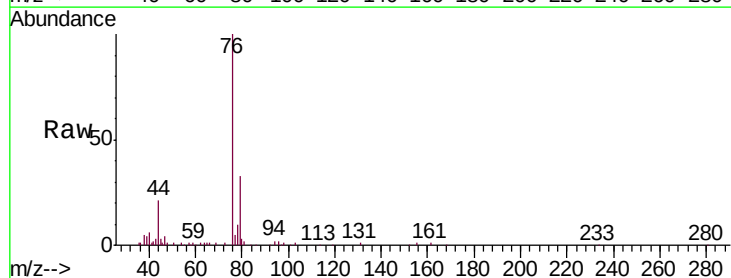
Ion	Ratio	Lower	Upper
57	100		
41	83.8	68.0	102.0
43	72.4	175.3	262.9#
56	51.7	42.0	63.0

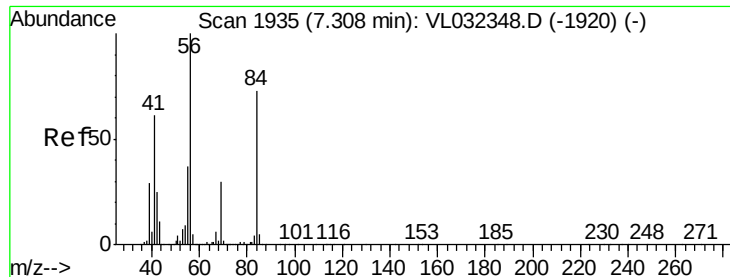


#27
Carbon Disulfide
Concen: 0.393 ppbv
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

Tgt Ion: 76 Resp: 68113

Ion	Ratio	Lower	Upper
76	100		
44	32.7	14.4	21.6#
78	12.9	7.4	11.0#

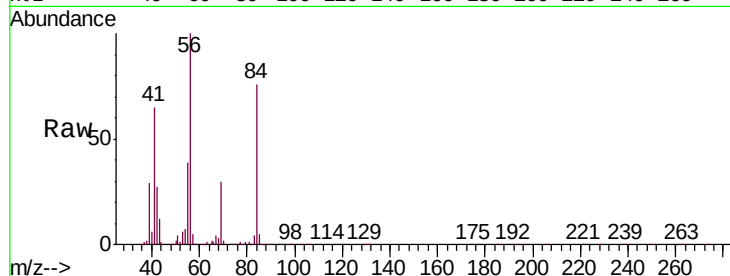




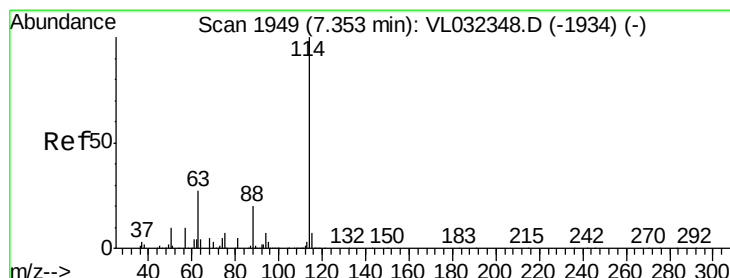
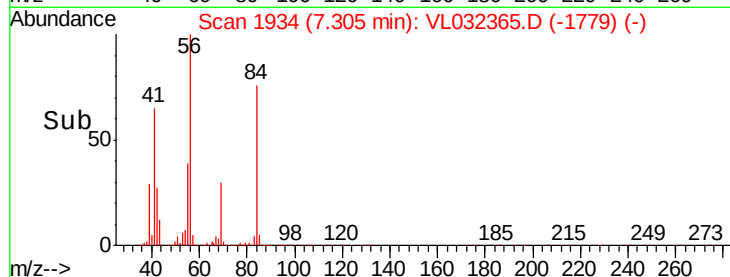
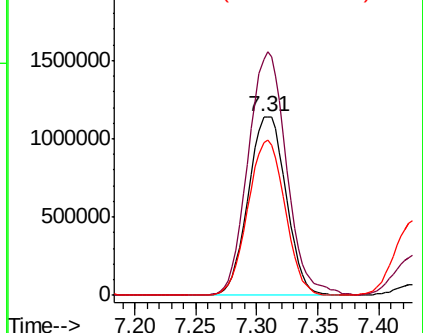
#30
Cyclohexane
Concen: 17.271 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. -0.00 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

Tgt Ion: 84 Resp: 2444906
Ion Ratio Lower Upper
84 100
56 138.5 115.7 173.5
41 85.3 67.9 101.9

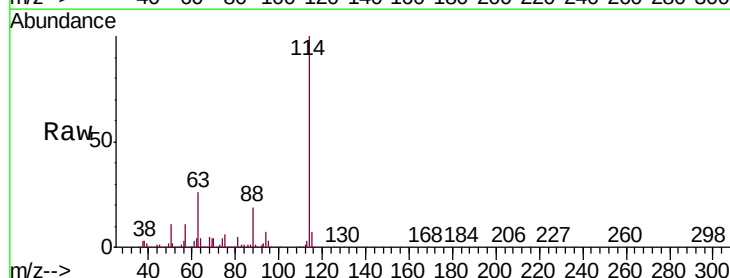


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

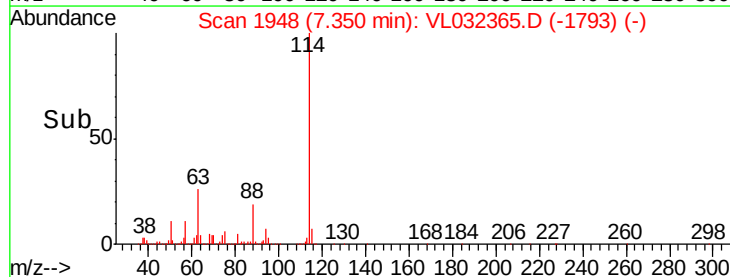
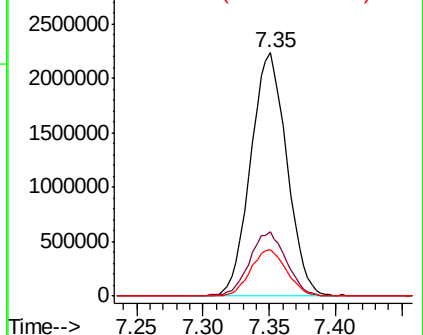


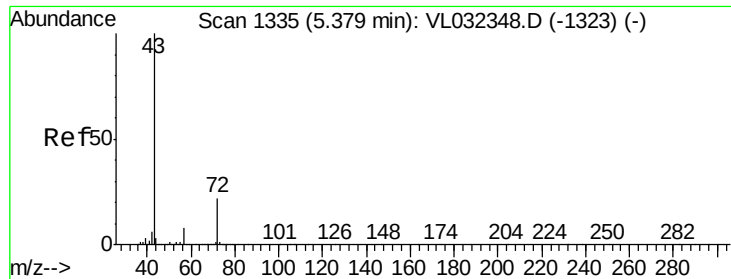
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

Tgt Ion: 114 Resp: 4246881
Ion Ratio Lower Upper
114 100
63 27.0 22.0 33.0
88 19.0 15.3 22.9



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

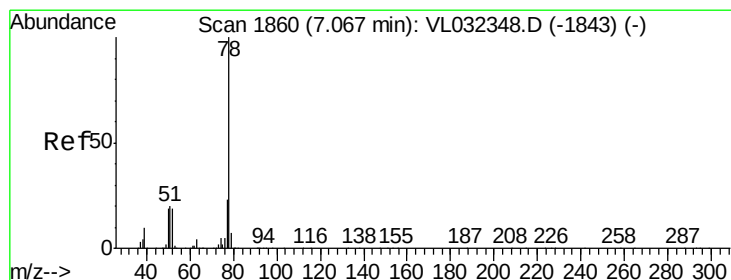
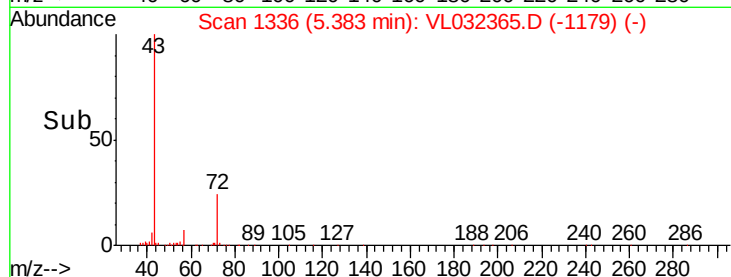
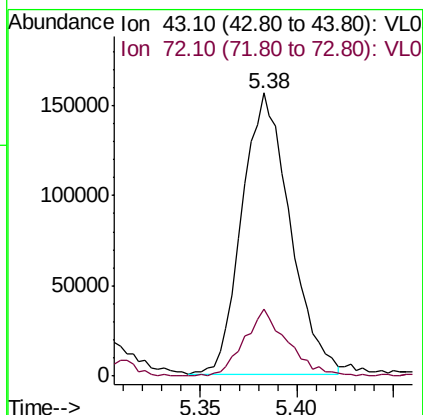
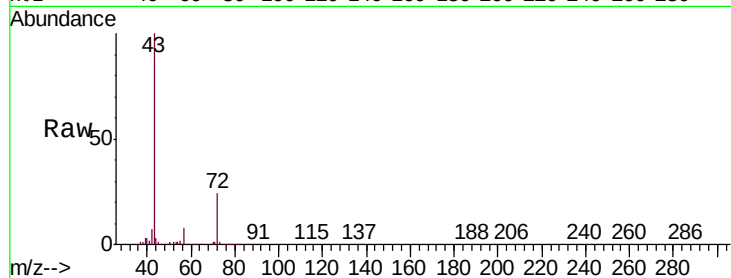




#34
 2-Butanone
 Concen: 0.927 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

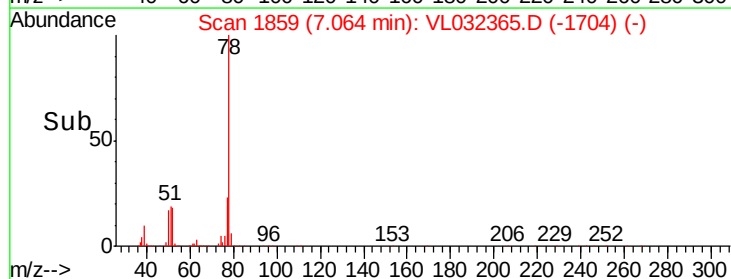
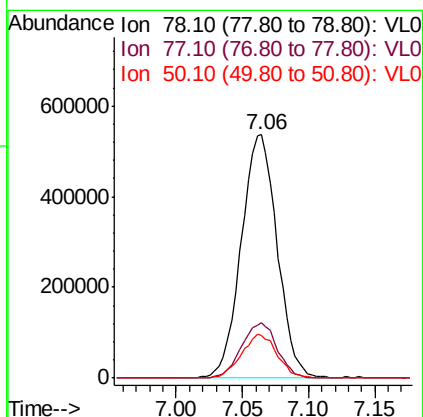
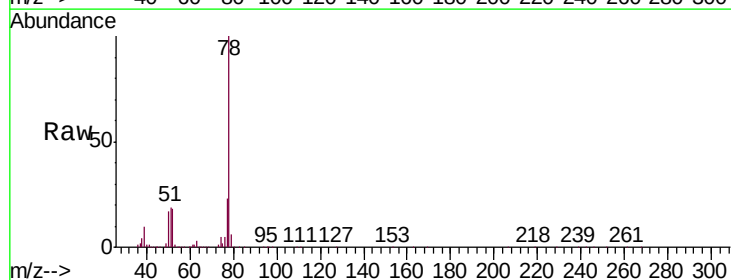
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

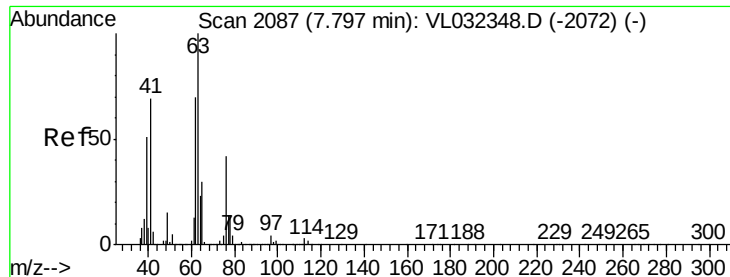
Tgt Ion: 43 Resp: 268013
 Ion Ratio Lower Upper
 43 100
 72 21.1 17.9 26.9



#36
 Benzene
 Concen: 2.811 ppbv
 RT: 7.06 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

Tgt Ion: 78 Resp: 1012253
 Ion Ratio Lower Upper
 78 100
 77 23.0 18.0 27.0
 50 17.3 15.1 22.7





#39

1,2-Dichloropropane

Concen: 7.456 ppbv

RT: 7.35 min Scan# 1948

Delta R.T. -0.45 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

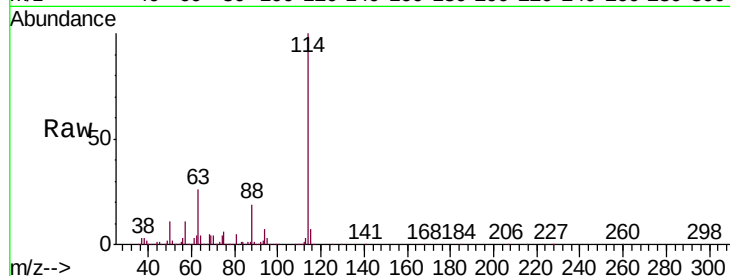
Tgt Ion: 63 Resp: 1121353

Ion Ratio Lower Upper

63 100

41 0.0 55.5 83.3#

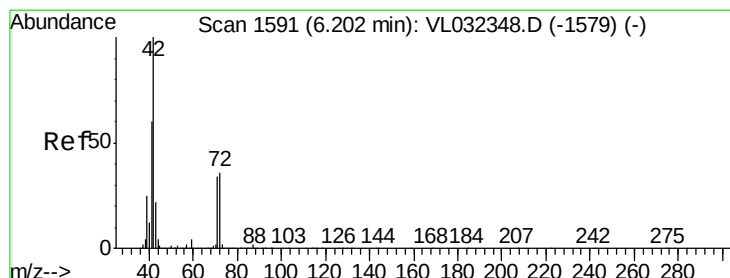
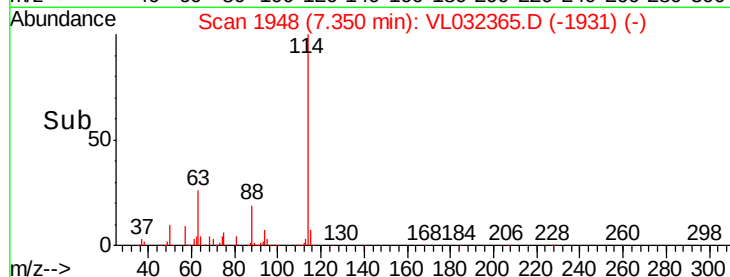
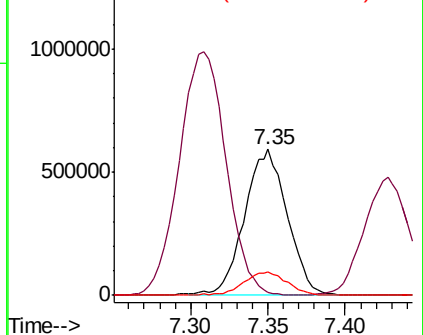
62 16.0 56.3 84.5#



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: 4.211 ppbv

RT: 6.48 min Scan# 1677

Delta R.T. 0.28 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

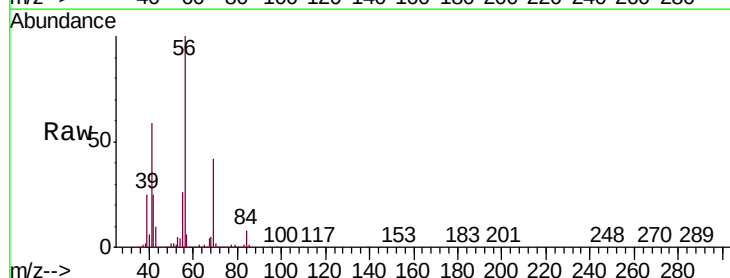
Tgt Ion: 42 Resp: 653485

Ion Ratio Lower Upper

42 100

72 0.1 29.8 44.6#

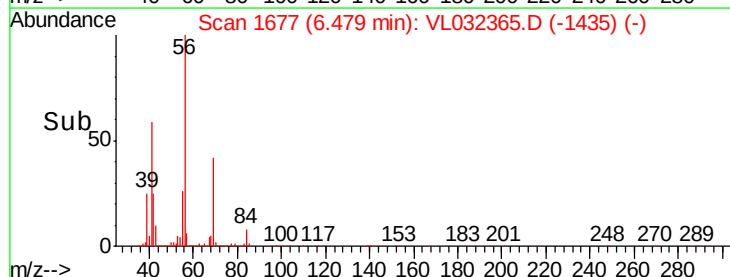
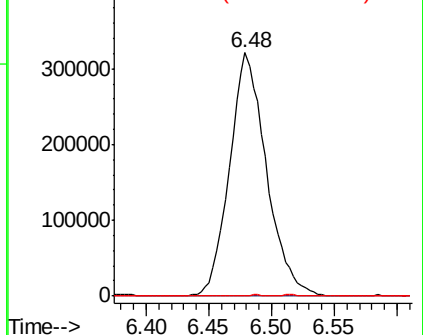
71 0.0 28.2 42.2#

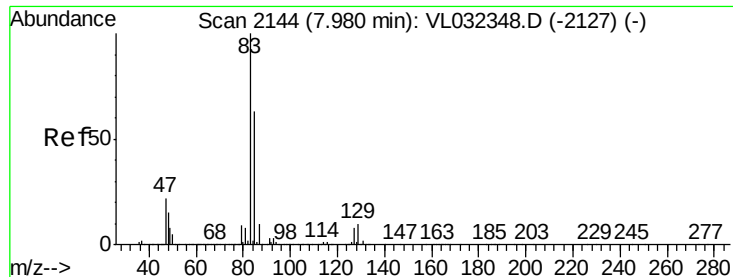


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.338 ppbv

RT: 7.98 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

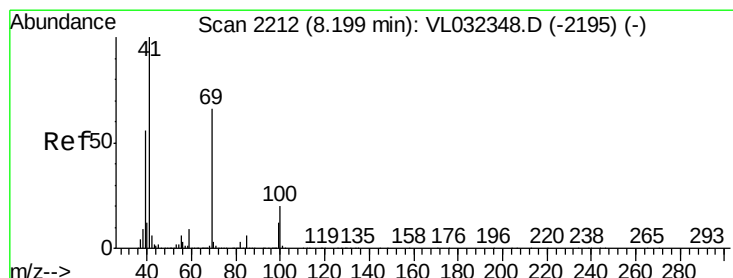
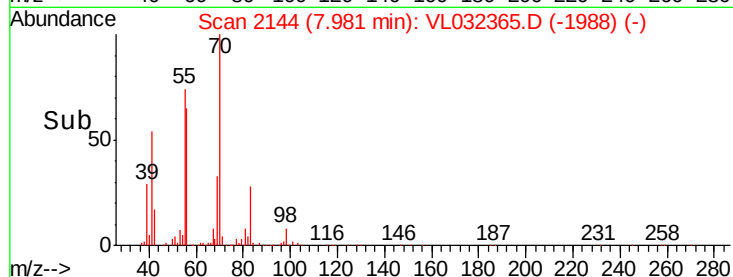
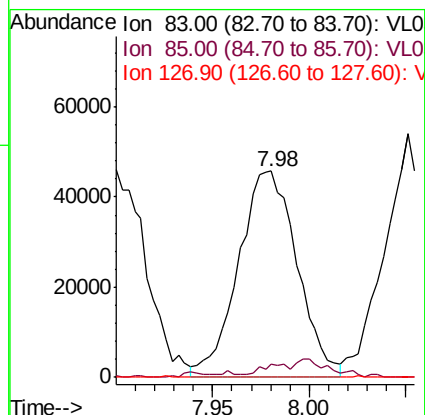
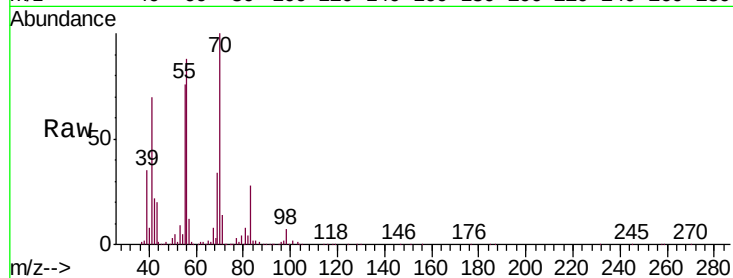
Tgt Ion: 83 Resp: 96653

Ion Ratio Lower Upper

83 100

85 4.3 50.4 75.6#

127 0.0 6.1 9.1#



#43

Methyl Methacrylate

Concen: 0.040 ppbv

RT: 8.29 min Scan# 2239

Delta R.T. 0.09 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

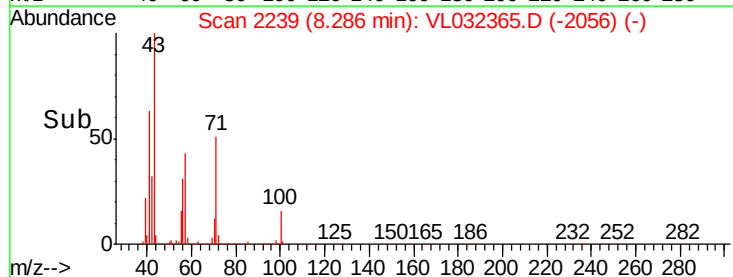
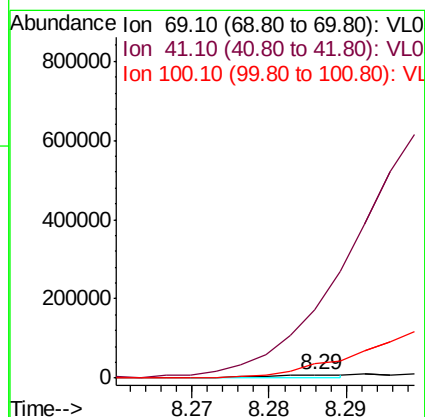
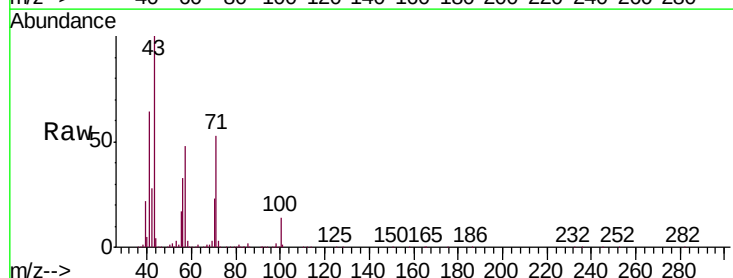
Tgt Ion: 69 Resp: 5694

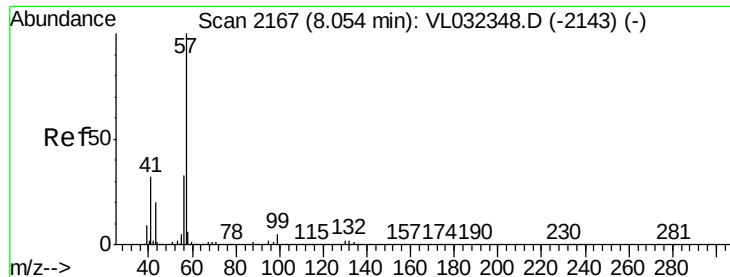
Ion Ratio Lower Upper

69 100

41 0.0 118.6 177.8#

100 0.0 23.4 35.2#

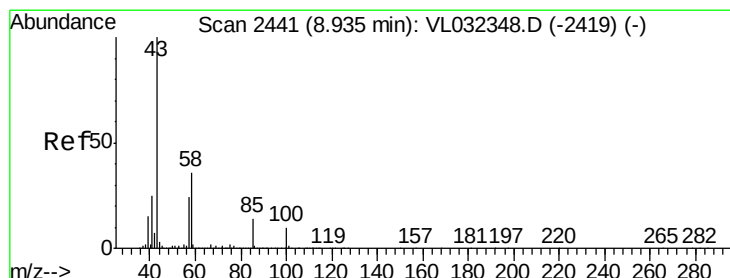
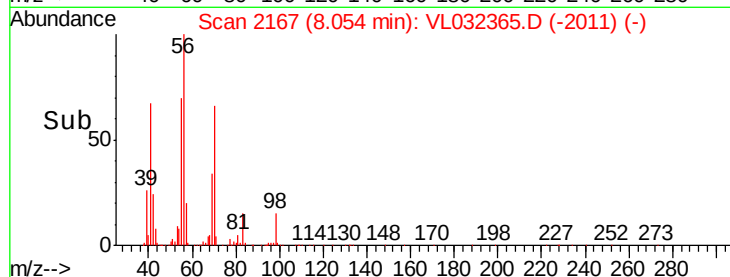
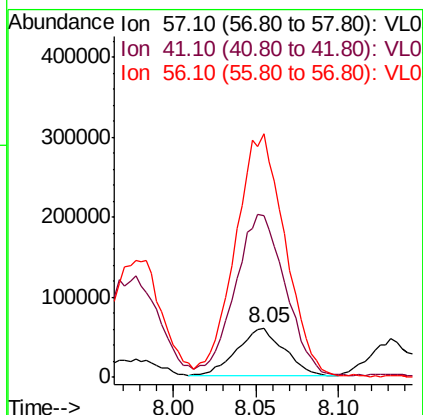
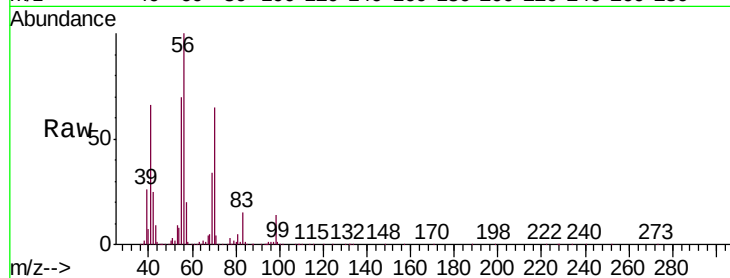




#44
 2,2,4-Trimethylpentane
 Concen: 0.180 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. 0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

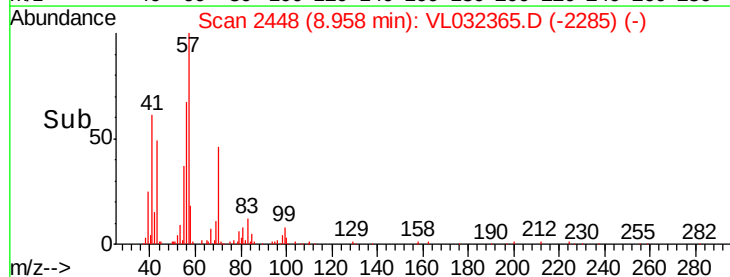
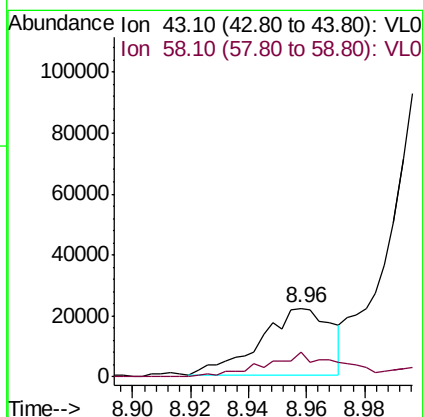
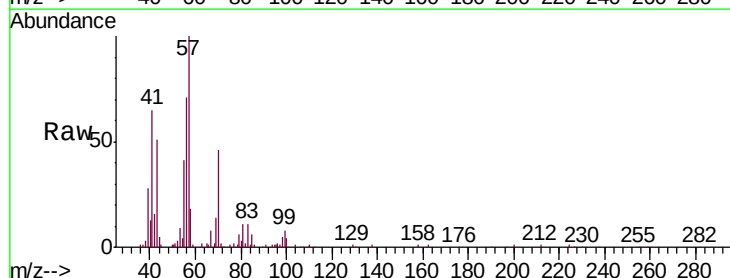
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

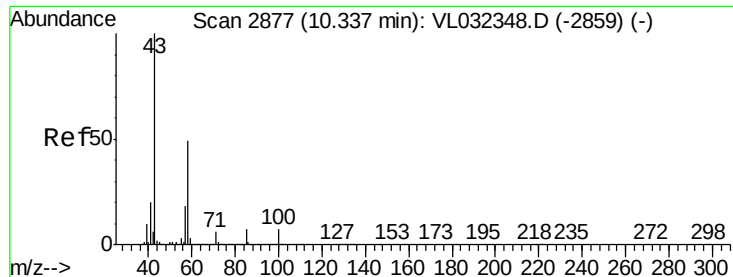
Tgt Ion: 57 Resp: 116695
 Ion Ratio Lower Upper
 57 100
 41 365.0 24.3 36.5#
 56 544.4 25.7 38.5#



#50
 4-Methyl-2-Pentanone
 Concen: 0.090 ppbv
 RT: 8.96 min Scan# 2448
 Delta R.T. 0.02 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

Tgt Ion: 43 Resp: 37573
 Ion Ratio Lower Upper
 43 100
 58 39.7 28.9 43.3

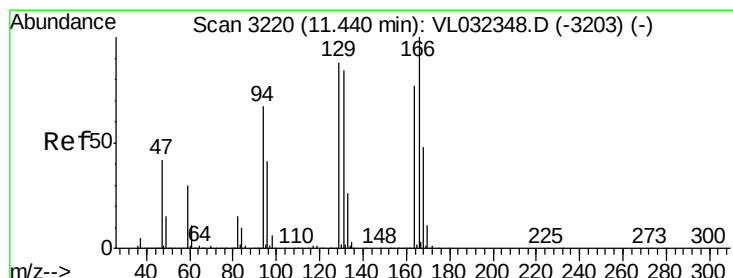
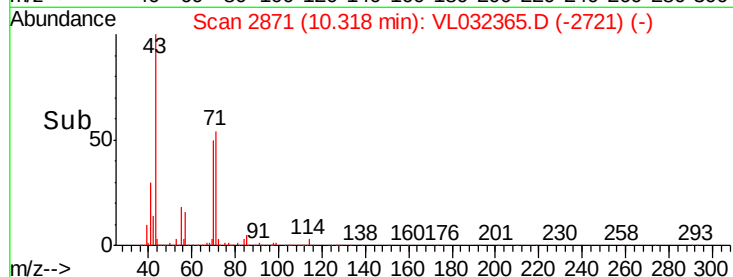
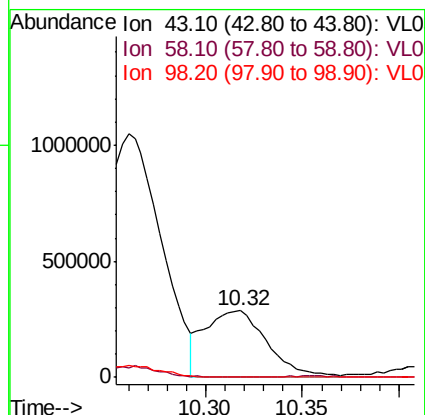
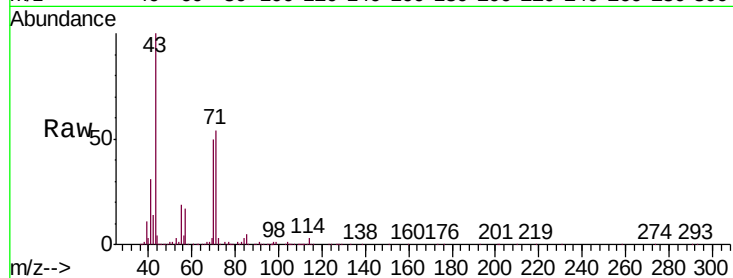




#51
2-Hexanone
Concen: 2.153 ppbv
RT: 10.32 min Scan# 2871
Delta R.T. -0.02 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

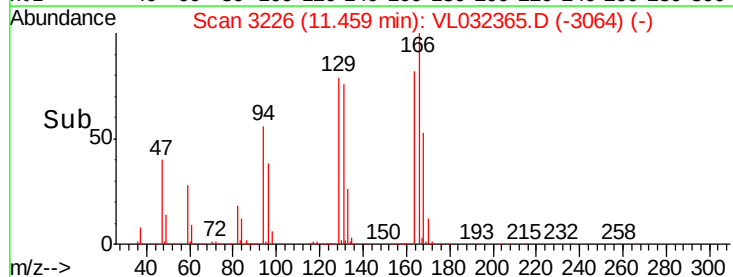
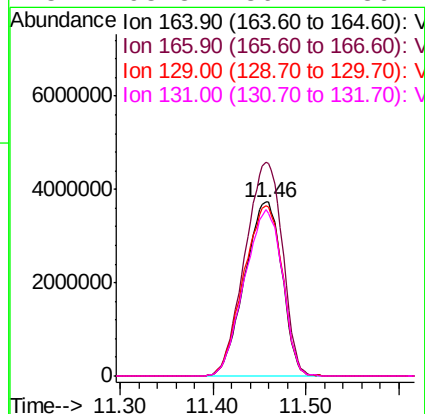
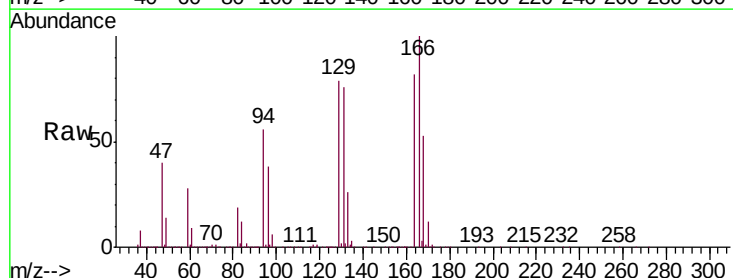
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

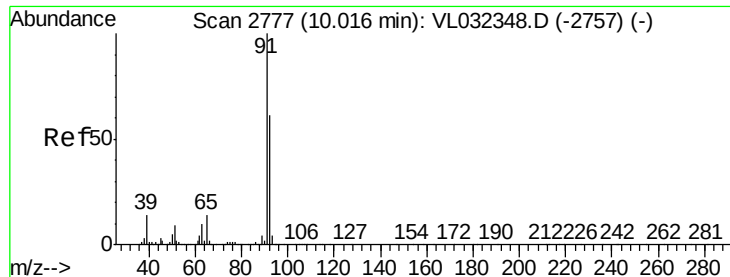
Tgt Ion: 43 Resp: 631247
Ion Ratio Lower Upper
43 100
58 2.1 39.5 59.3#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 98.158 ppbv
RT: 11.46 min Scan# 3226
Delta R.T. 0.02 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

Tgt Ion: 164 Resp: 10423000
Ion Ratio Lower Upper
164 100
166 122.4 103.5 155.3
129 97.1 90.9 136.3
131 93.3 86.7 130.1





#53

Toluene

Concen: 17.172 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

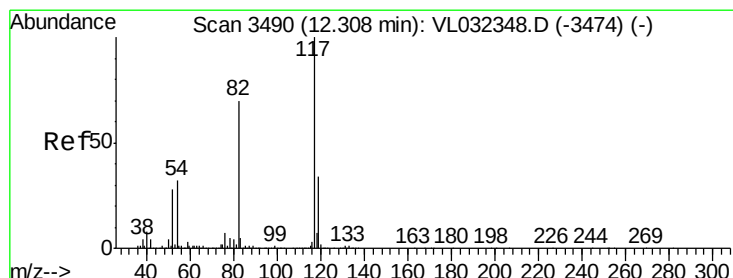
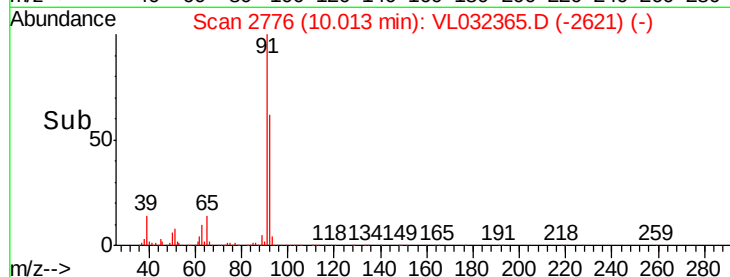
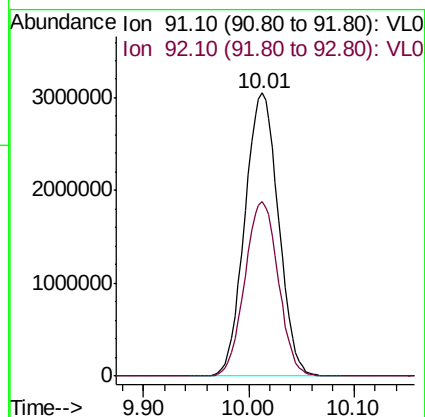
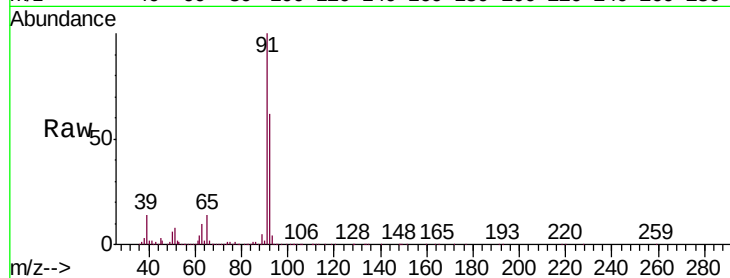
SS08-MIVIDL

Tgt Ion: 91 Resp: 6777544

Ion Ratio Lower Upper

91 100

92 61.4 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.31 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

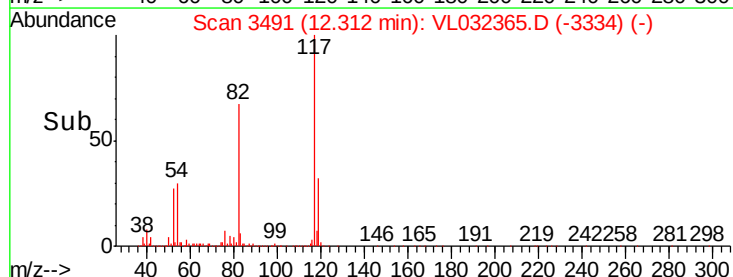
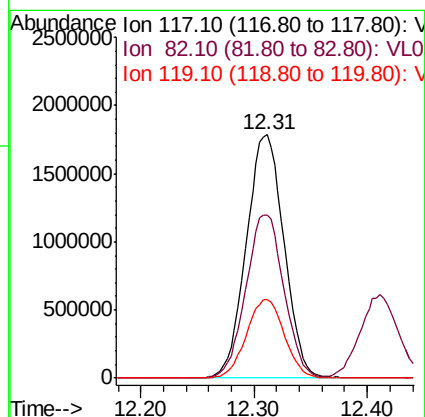
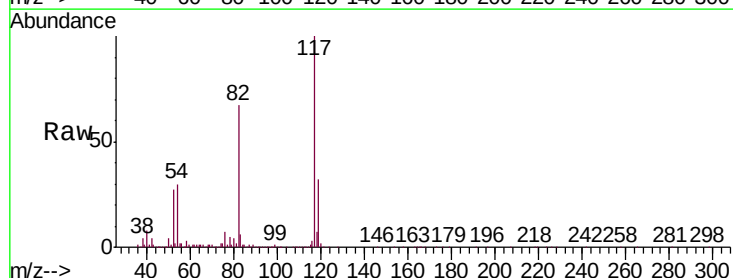
Tgt Ion: 117 Resp: 4134079

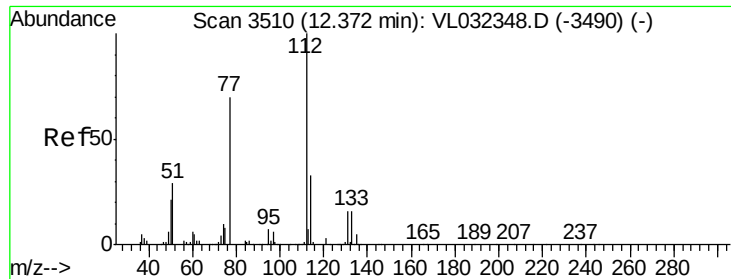
Ion Ratio Lower Upper

117 100

82 67.7 55.1 82.7

119 32.6 46.0 69.0#





#57

Chlorobenzene

Concen: 0.937 ppbv

RT: 12.41 min Scan# 3521

Delta R.T. 0.04 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

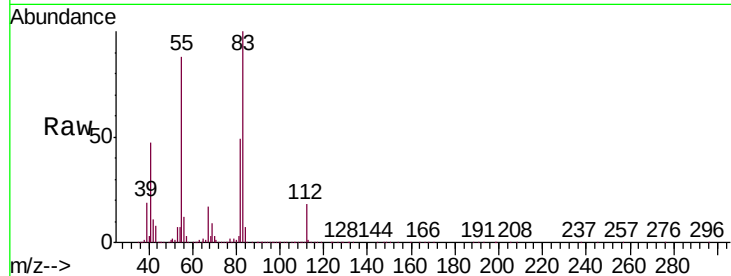
Tgt Ion: 112 Resp: 291704

Ion Ratio Lower Upper

112 100

77 9.0 56.6 84.8#

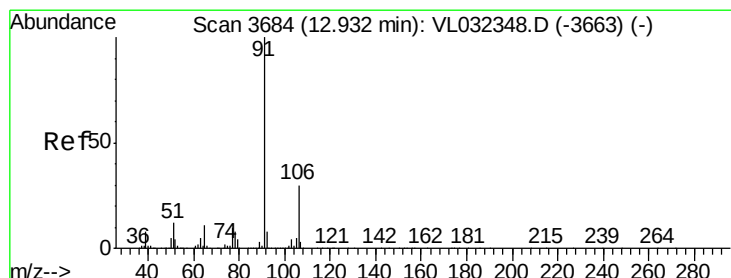
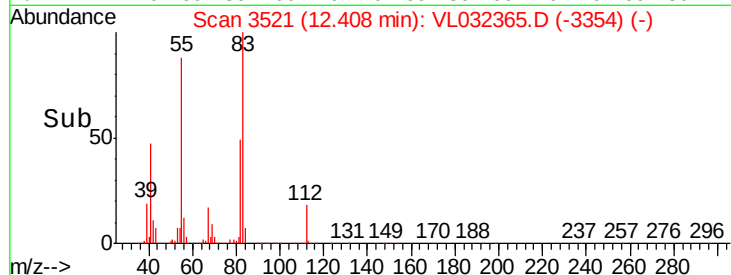
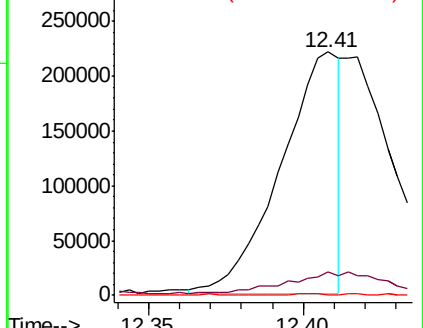
114 0.2 29.4 36.0#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 4.628 ppbv

RT: 12.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VL032365.D

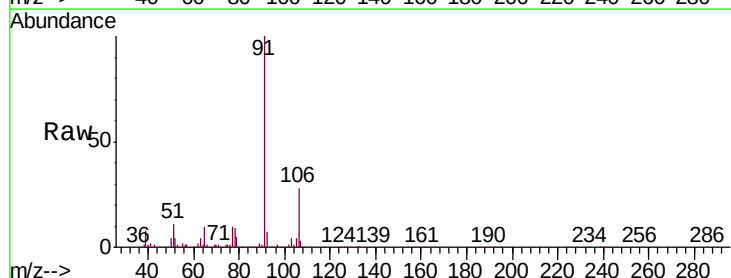
Acq: 16 Aug 2018 00:30

Tgt Ion: 91 Resp: 2301775

Ion Ratio Lower Upper

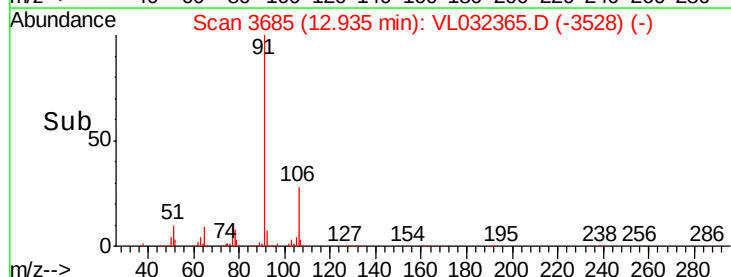
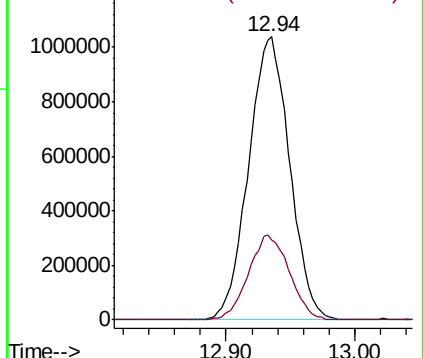
91 100

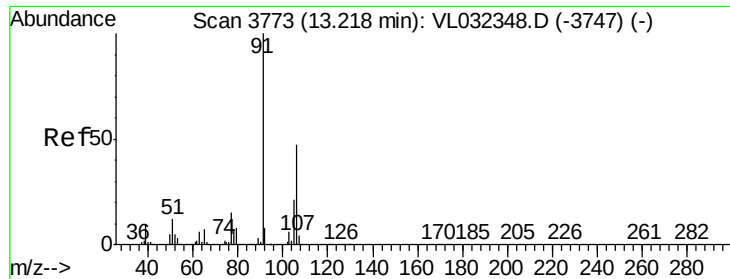
106 28.1 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

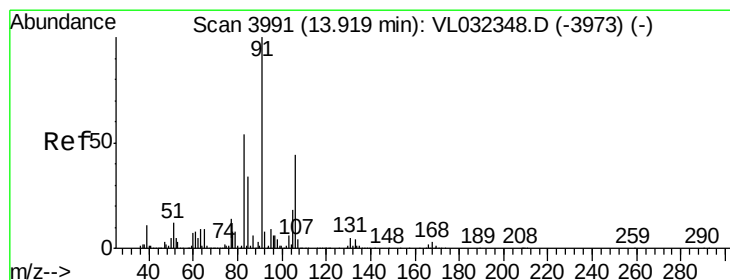
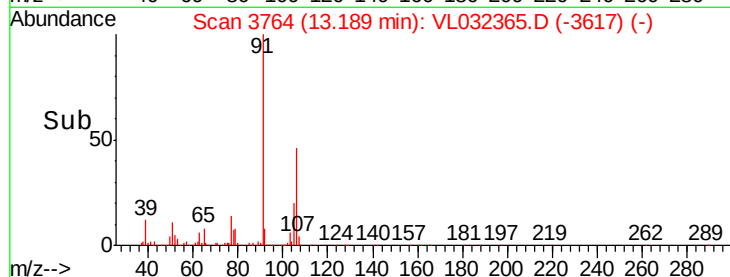
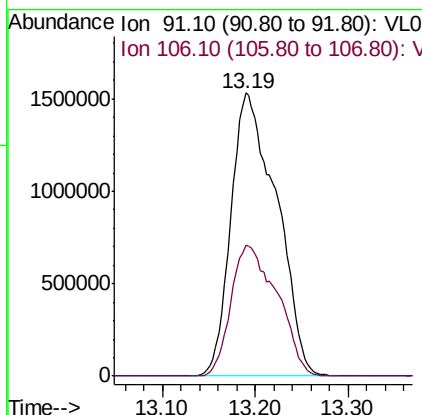
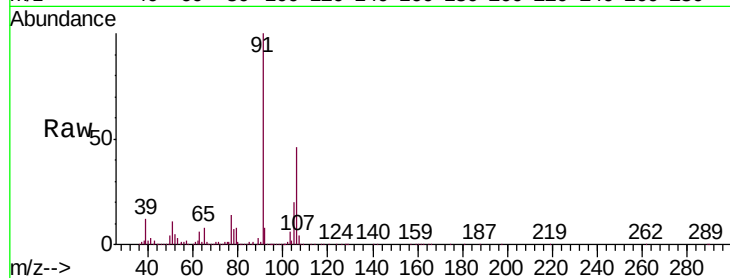




#59
m/p-Xylene
Concen: 12.341 ppbv
RT: 13.19 min Scan# 3764
Delta R.T. -0.03 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

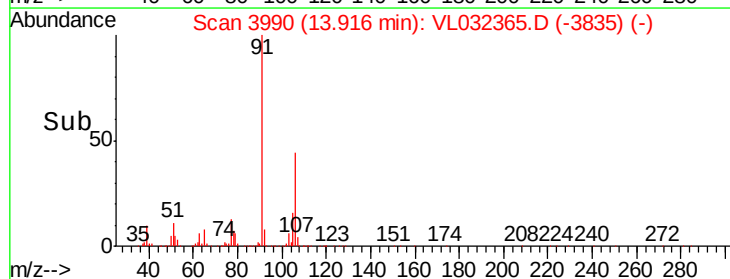
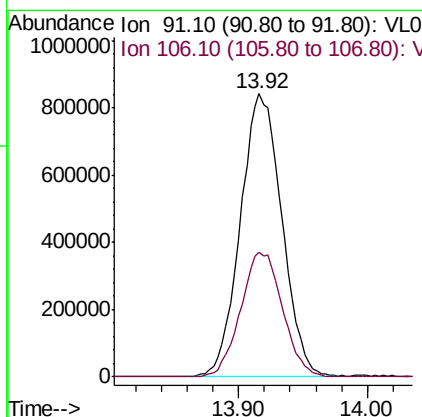
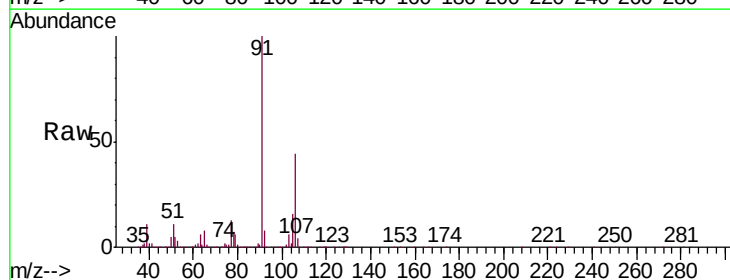
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

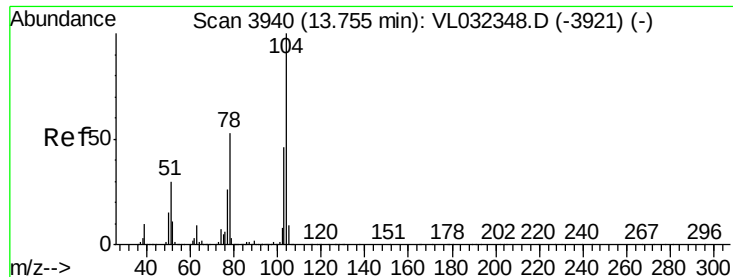
Tgt Ion: 91 Resp: 5214411
Ion Ratio Lower Upper
91 100
106 47.1 37.0 55.4



#60
o-Xylene
Concen: 4.541 ppbv
RT: 13.92 min Scan# 3990
Delta R.T. -0.00 min
Lab File: VL032365.D
Acq: 16 Aug 2018 00:30

Tgt Ion: 91 Resp: 1885770
Ion Ratio Lower Upper
91 100
106 44.4 22.3 66.8





#61

Styrene

Concen: 0.088 ppbv

RT: 13.76 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

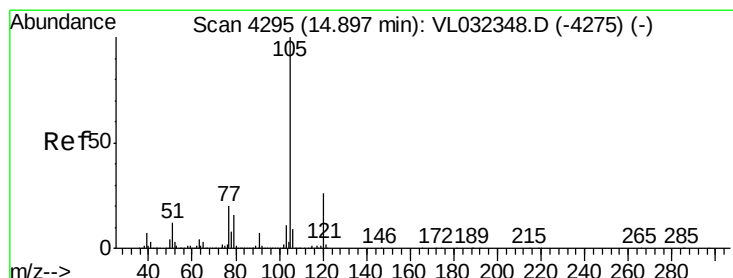
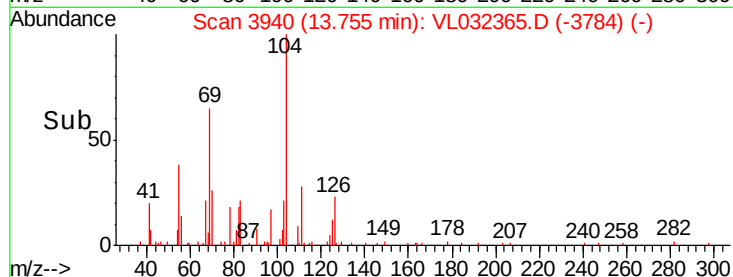
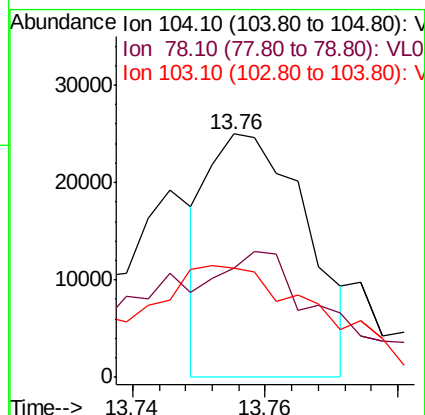
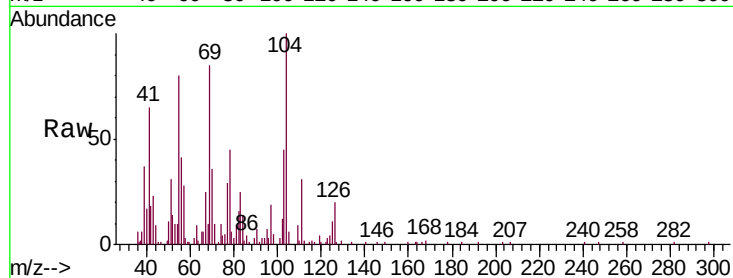
Tgt Ion:104 Resp: 25682

Ion Ratio Lower Upper

104 100

78 106.6 42.6 64.0#

103 95.5 38.0 57.0#



#62

Isopropylbenzene

Concen: 0.204 ppbv

RT: 14.90 min Scan# 4295

Delta R.T. 0.00 min

Lab File: VL032365.D

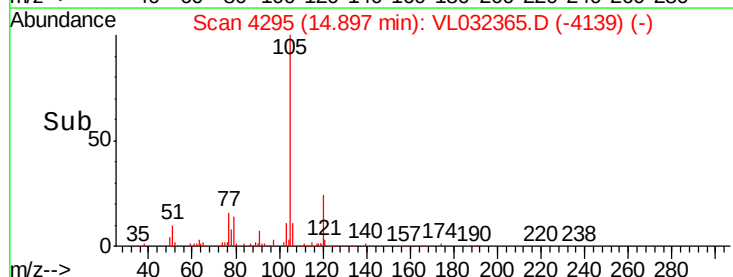
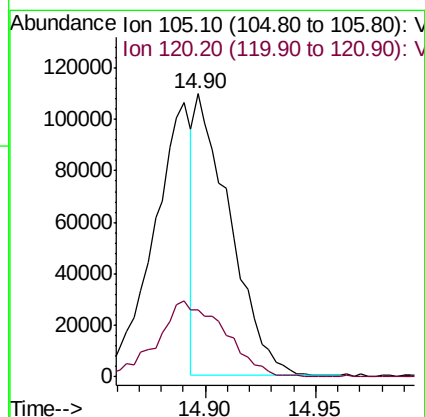
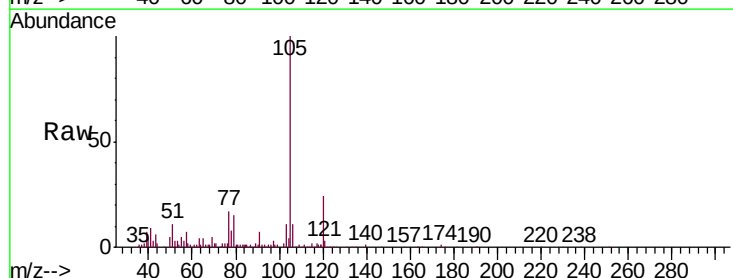
Acq: 16 Aug 2018 00:30

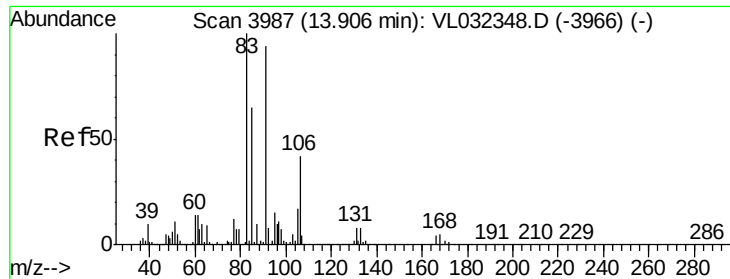
Tgt Ion:105 Resp: 120453

Ion Ratio Lower Upper

105 100

120 0.0 20.6 30.8#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.476 ppbv

RT: 14.02 min Scan# 4021

Delta R.T. 0.11 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

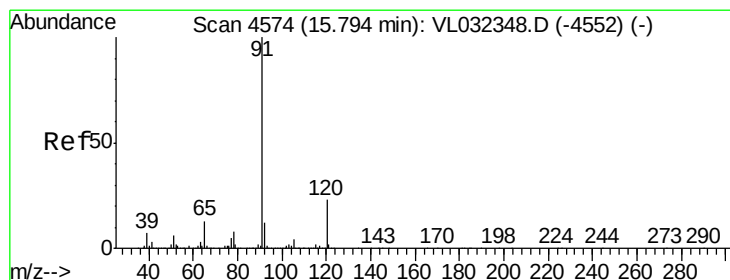
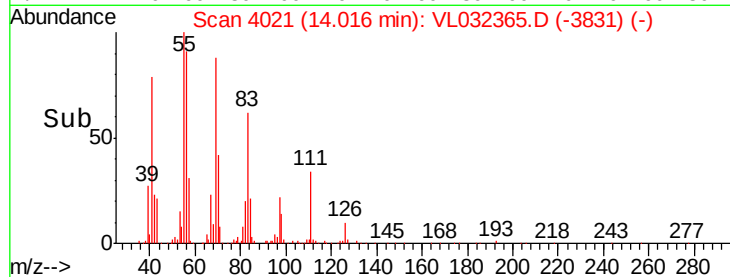
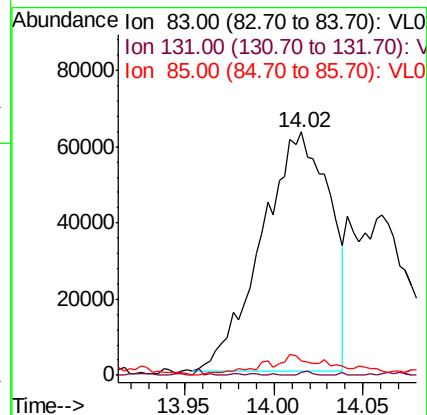
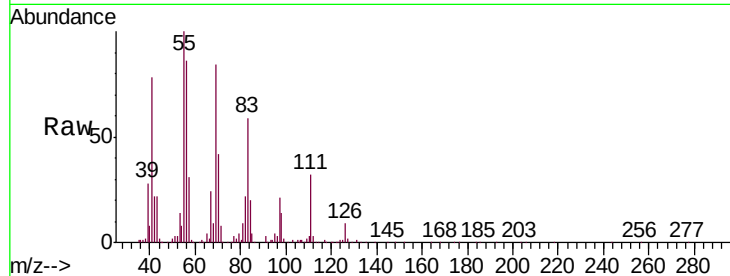
Tgt Ion: 83 Resp: 166077

Ion Ratio Lower Upper

83 100

131 1.0 4.3 12.8#

85 8.5 32.4 97.2#



#64

n-propylbenzene

Concen: 0.406 ppbv

RT: 15.79 min Scan# 4572

Delta R.T. -0.01 min

Lab File: VL032365.D

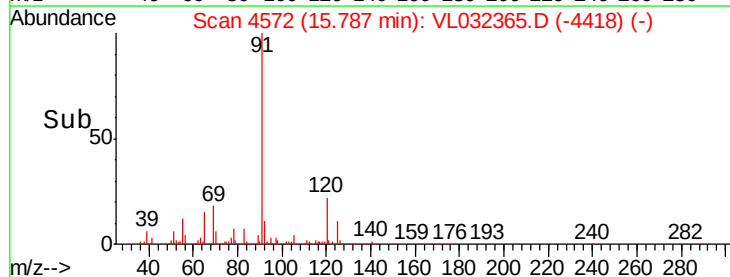
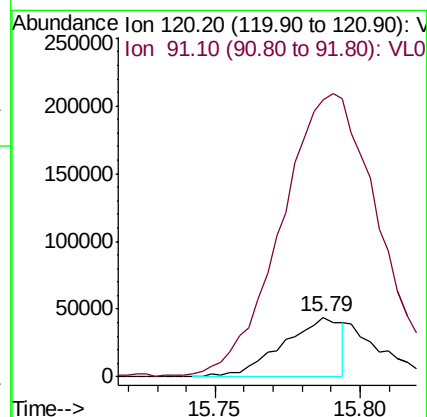
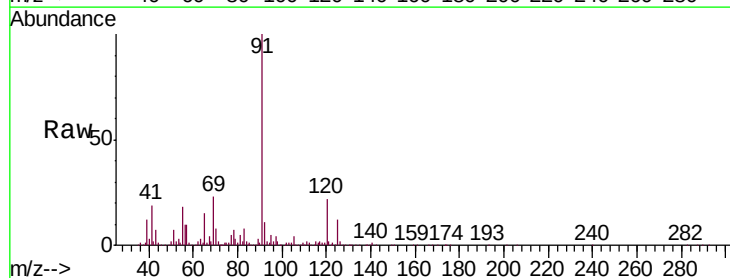
Acq: 16 Aug 2018 00:30

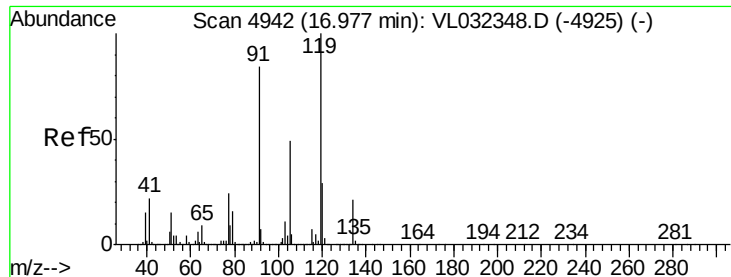
Tgt Ion: 120 Resp: 62171

Ion Ratio Lower Upper

120 100

91 776.5 382.2 573.2#

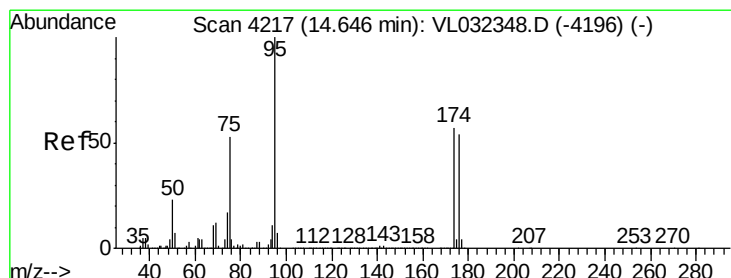
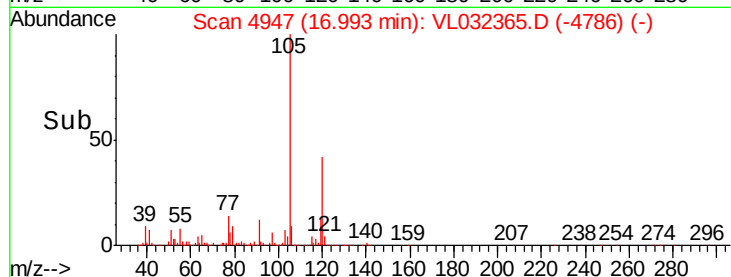
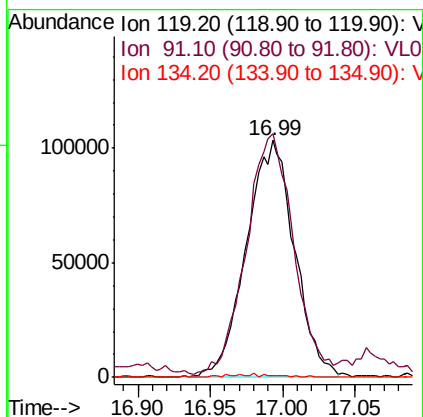
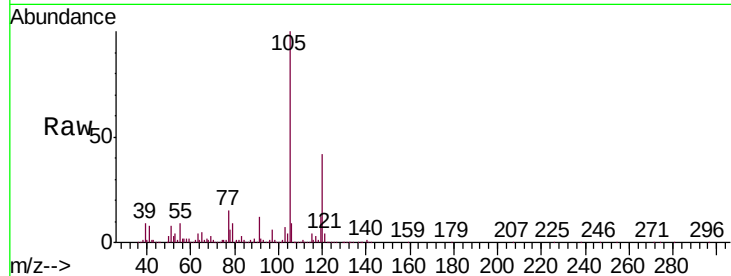




#65
 tert-Butylbenzene
 Concen: 0.472 ppbv
 RT: 16.99 min Scan# 4947
 Delta R.T. 0.02 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

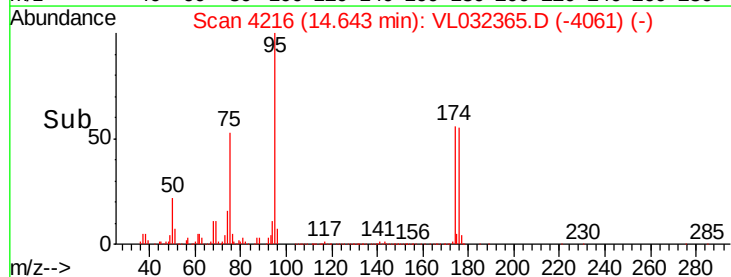
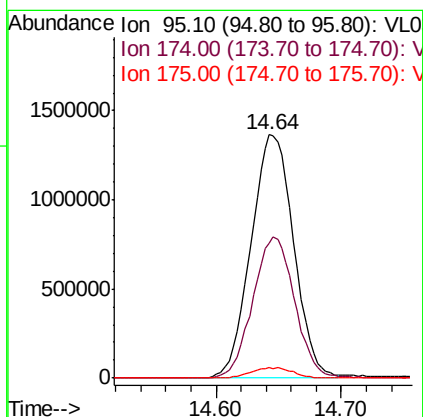
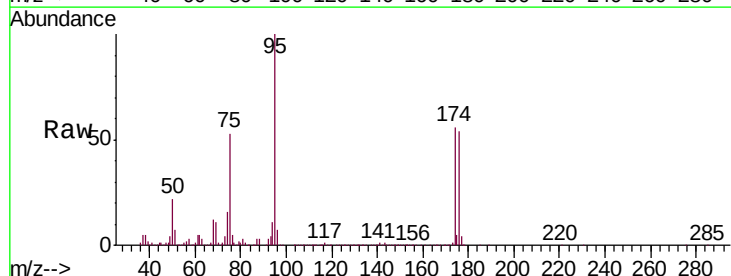
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

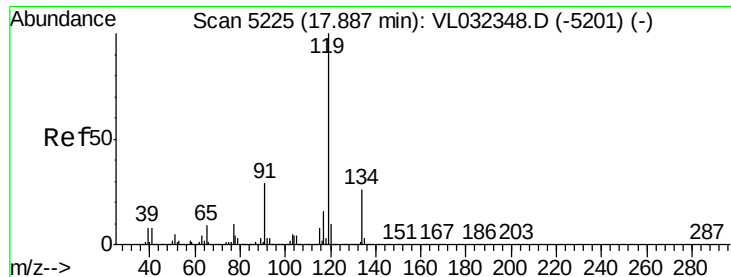
Tgt Ion: 119 Resp: 238415
 Ion Ratio Lower Upper
 119 100
 91 99.1 67.4 101.0
 134 0.5 15.8 23.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.210 ppbv
 RT: 14.64 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

Tgt Ion: 95 Resp: 3220382
 Ion Ratio Lower Upper
 95 100
 174 57.4 46.2 69.4
 175 4.3 3.4 5.0

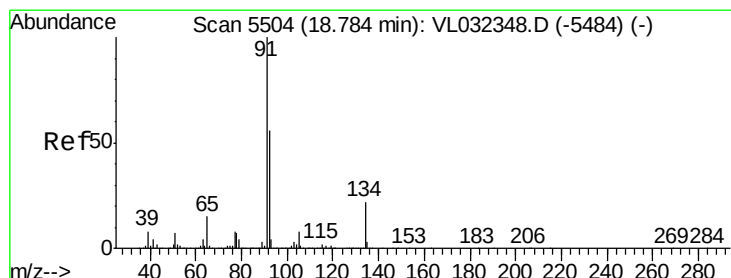
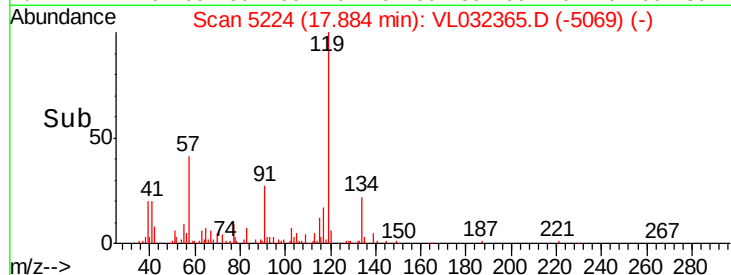
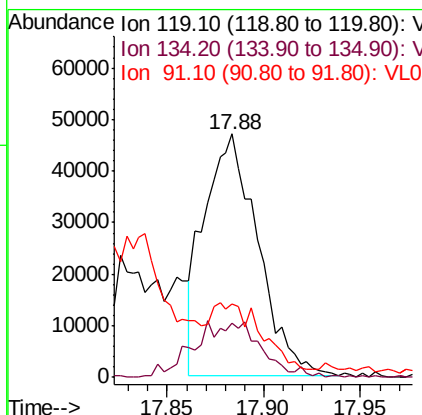
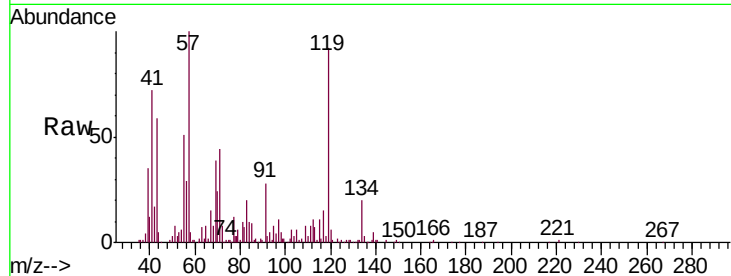




#69
 p-Isopropyltoluene
 Concen: 0.157 ppbv
 RT: 17.88 min Scan# 5224
 Delta R.T. -0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

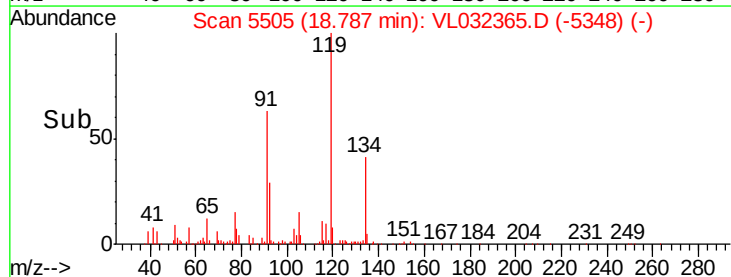
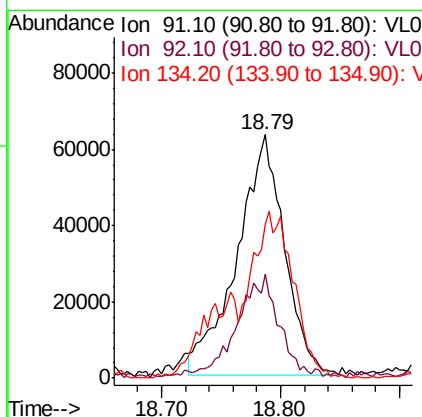
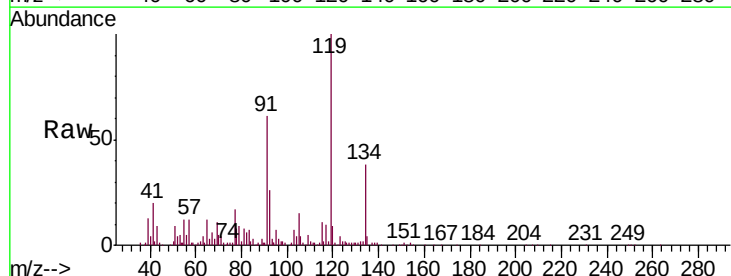
Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

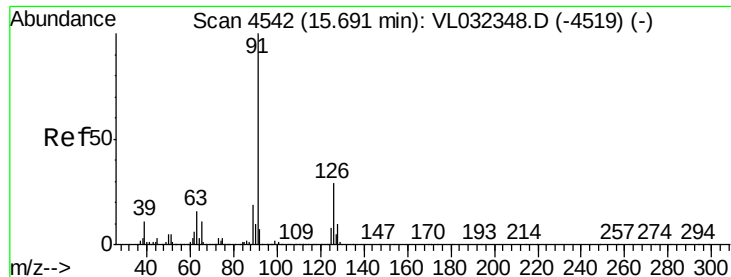
Tgt Ion:	119	Resp:	90417
Ion	Ratio	Lower	Upper
119	100		
134	29.0	20.4	30.6
91	27.8	23.6	35.4



#70
 n-Butylbenzene
 Concen: 0.276 ppbv
 RT: 18.79 min Scan# 5505
 Delta R.T. 0.00 min
 Lab File: VL032365.D
 Acq: 16 Aug 2018 00:30

Tgt Ion:	91	Resp:	174170
Ion	Ratio	Lower	Upper
91	100		
92	38.9	43.9	65.9#
134	85.9	17.3	25.9#





#71

2-Chlorotoluene

Concen: 1.042 ppbv

RT: 15.79 min Scan# 4573

Delta R.T. 0.10 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

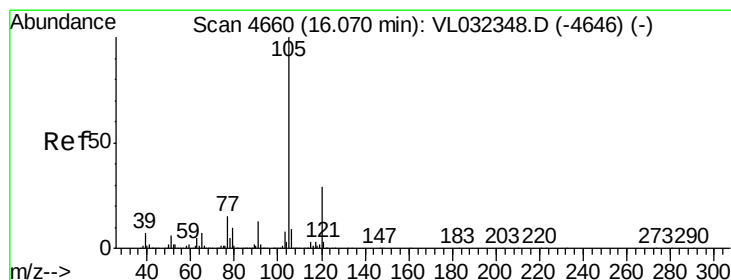
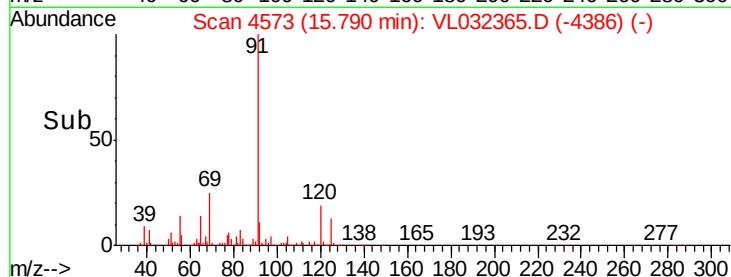
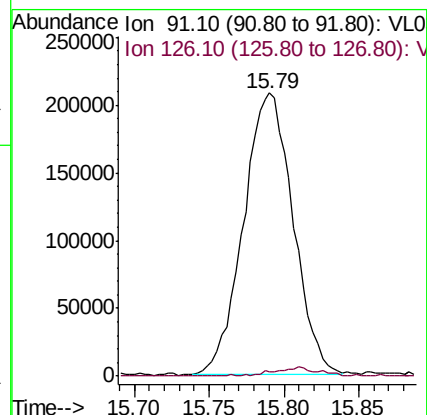
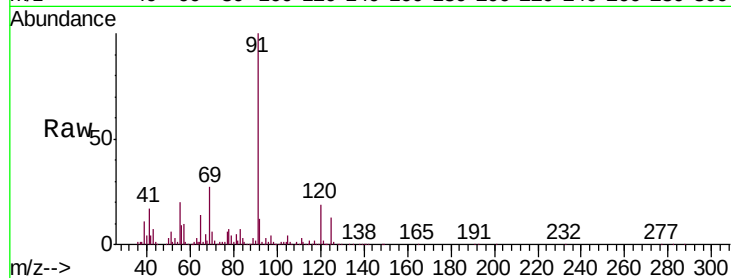
SS08-MIVIDL

Tgt Ion: 91 Resp: 476923

Ion Ratio Lower Upper

91 100

126 3.2 11.8 47.2#



#72

4-Ethyltoluene

Concen: 1.705 ppbv

RT: 16.07 min Scan# 4659

Delta R.T. -0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Tgt Ion: 105 Resp: 789913

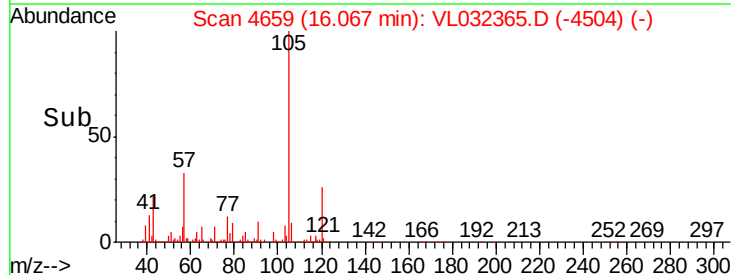
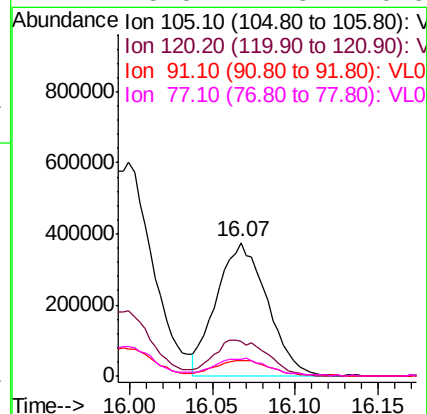
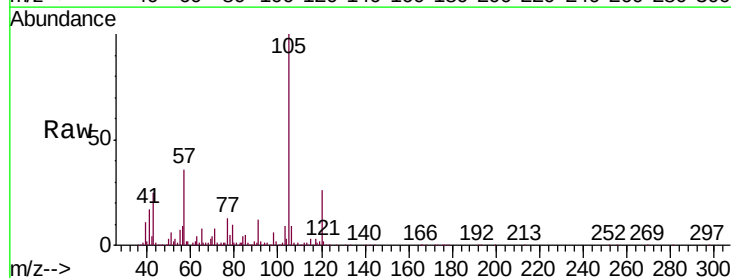
Ion Ratio Lower Upper

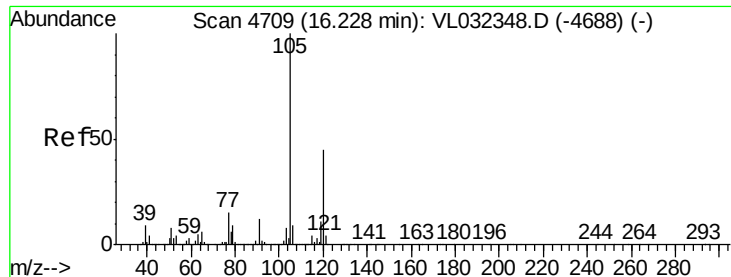
105 100

120 29.1 23.4 35.0

91 12.5 10.0 15.0

77 13.8 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 1.709 ppbv

RT: 16.22 min Scan# 4708

Delta R.T. -0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

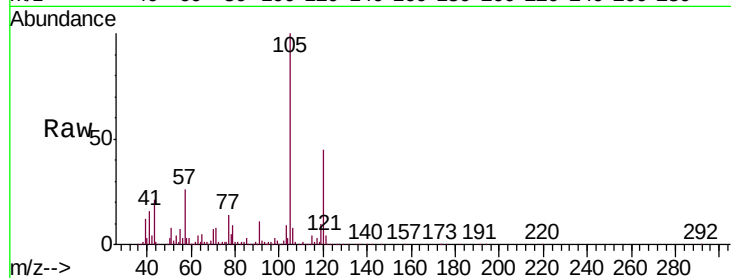
SS08-MIVIDL

Tgt Ion:105 Resp: 761311

Ion Ratio Lower Upper

105 100

120 45.0 36.3 54.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.22

300000

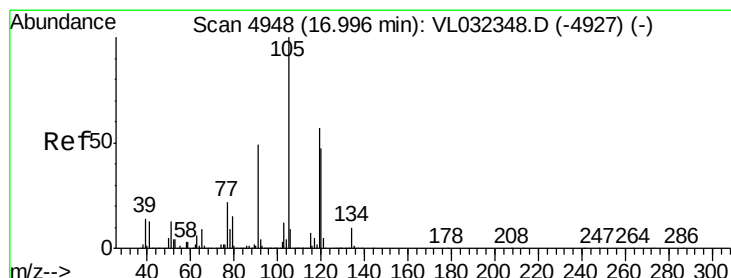
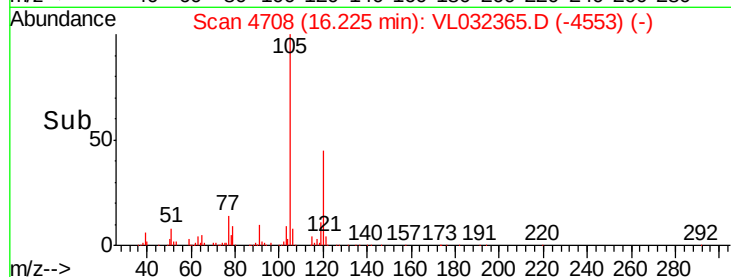
200000

100000

0

16.20 16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 4.314 ppbv

RT: 16.99 min Scan# 4946

Delta R.T. -0.01 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Tgt Ion:105 Resp: 2044898

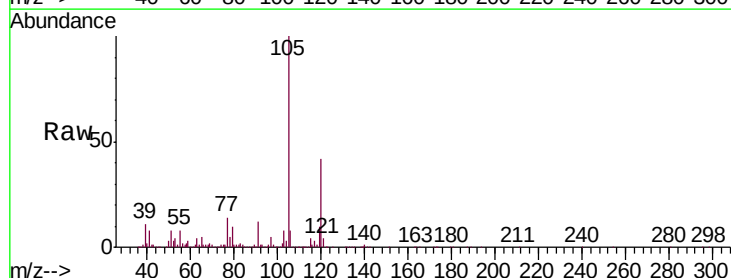
Ion Ratio Lower Upper

105 100

120 41.6 37.6 56.4

91 11.3 39.9 59.9#

77 13.4 17.8 26.8#



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

16.99

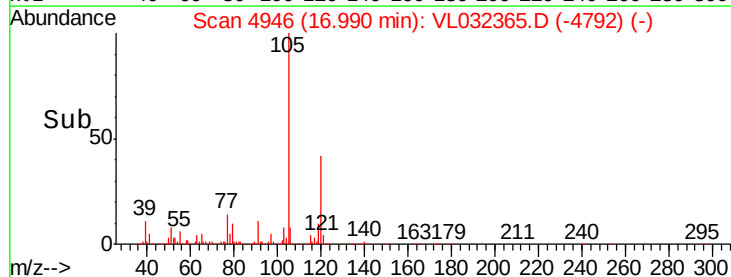
1000000

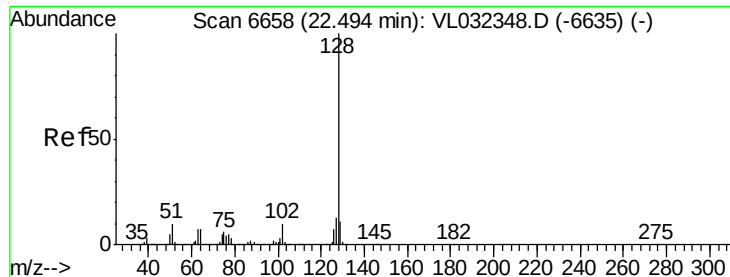
500000

0

16.90 17.00

Time-->





#79

Naphthalene

Concen: 0.349 ppbv

RT: 22.50 min Scan# 6661

Delta R.T. 0.01 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

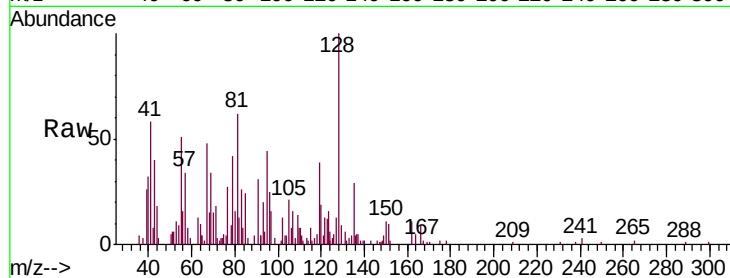
Tgt Ion:128 Resp: 9799

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

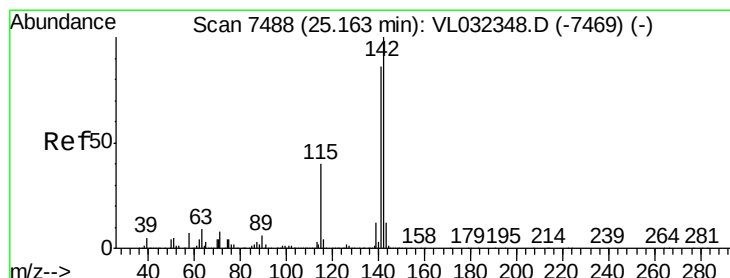
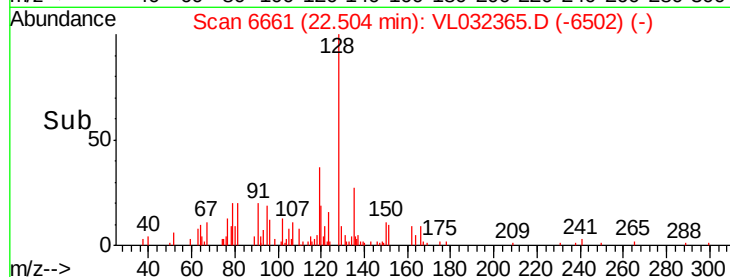
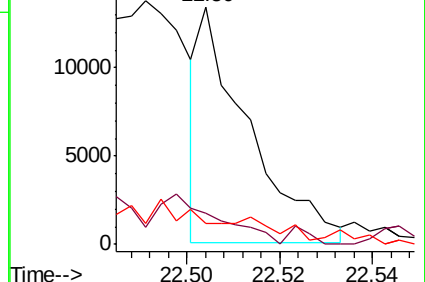
129 2.6 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.172 ppbv

RT: 25.16 min Scan# 7488

Delta R.T. 0.00 min

Lab File: VL032365.D

Acq: 16 Aug 2018 00:30

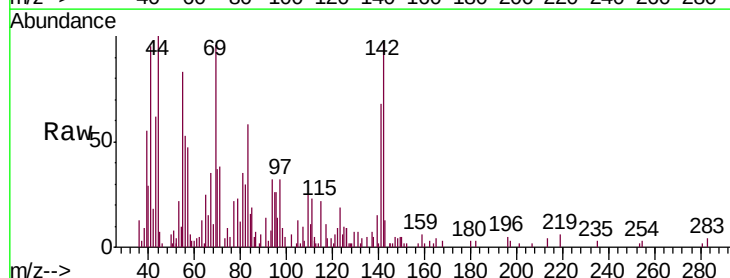
Tgt Ion:142 Resp: 16256

Ion Ratio Lower Upper

142 100

141 90.0 66.7 100.1

115 73.9 31.0 46.6#



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

