

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
 Data File : VL025617.D
 Acq On : 7 Jul 2015 21:20
 Operator : SY/MD
 Sample : G2872-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

Quant Time: Jul 08 06:55:11 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	629068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1670082	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2164670	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1911395	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.64	85	13759	0.08	ppbv	94
3) Chlorodifluoromethane	3.57	51	3093	0.03	ppbv #	78
4) Chloromethane	3.76	50	5273	0.13	ppbv	90
5) Vinyl Chloride	3.89	62	68893	1.58	ppbv	100
7) Chloroethane	4.25	64	384	0.02	ppbv #	45
8) Dichlorotetrafluoroethane	3.64	85	13759	0.10	ppbv #	17
9) Propene	3.60	41	60504	2.05	ppbv	93
10) Heptane	9.37	43	414	0.00	ppbv #	25
11) Trichlorofluoromethane	4.70	101	1802	0.01	ppbv	96
13) Ethanol	4.33	45	37777	8.25	ppbv	94
15) Acetone	4.60	43	820902	7.39	ppbv	97
16) 1,3-Butadiene	3.95	39	80081	1.81	ppbv #	18
17) tert-Butyl alcohol	5.12	59	935147	10.03	ppbv	99
19) Isopropyl Alcohol	4.76	45	13007	0.29	ppbv #	96
20) Methylene Chloride	5.15	84	3815	0.08	ppbv #	88
21) Allyl Chloride	5.12	41	254365	3.66	ppbv #	48
23) Vinyl Acetate	5.99	43	10392	0.06	ppbv #	85
25) Ethyl Acetate	7.13	43	8583	0.05	ppbv #	76
26) Hexane	6.42	57	256	0.00	ppbv #	1
27) Carbon Disulfide	5.40	76	606	0.00	ppbv #	1
28) Methyl tert-Butyl Ether	6.20	73	2184	0.01	ppbv #	1
30) Cyclohexane	8.31	84	2230	0.03	ppbv #	1
34) 2-Butanone	6.20	43	221172	2.33	ppbv	99
36) Benzene	8.02	78	886	0.01	ppbv #	52
38) Trichloroethene	9.07	130	2300	0.03	ppbv #	83
41) Tetrahydrofuran	7.14	42	44067	0.93	ppbv	99
44) 2,2,4-Trimethylpentane	9.07	57	500	0.00	ppbv #	1
50) 4-Methyl-2-Pentanone	10.12	43	173	0.00	ppbv #	39
51) 2-Hexanone	11.62	43	309	0.00	ppbv #	29
52) Tetrachloroethene	12.78	164	298	0.00	ppbv #	41
53) Toluene	11.23	91	2024	0.01	ppbv #	67
58) Ethyl Benzene	14.40	91	959	0.00	ppbv #	44
59) m/p-Xylene	14.72	91	1970	0.01	ppbv #	29
60) o-Xylene	15.49	91	2487	0.01	ppbv	89
62) Isopropylbenzene	16.54	105	6254	0.01	ppbv #	89
63) 1,1,2,2-Tetrachloroethane	15.49	83	402	0.00	ppbv #	25
64) n-propylbenzene	17.52	120	112	0.00	ppbv #	1
65) tert-Butylbenzene	18.83	119	1082	0.00	ppbv #	1
66) Benzyl Chloride	19.10	91	386	0.00	ppbv #	51
67) sec-Butylbenzene	19.39	105	270	0.00	ppbv #	57
69) p-Isopropyltoluene	19.79	119	1486	0.00	ppbv #	48

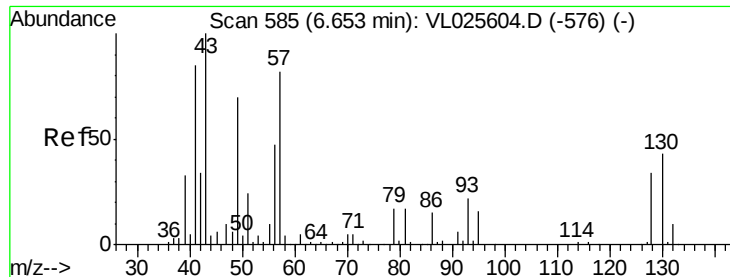
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
 Data File : VL025617.D
 Acq On : 7 Jul 2015 21:20
 Operator : SY/MD
 Sample : G2872-01DL 10X
 Misc : 400mL/MSVOA_L
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Instrument :
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Quant Time: Jul 08 06:55:11 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) n-Butylbenzene	20.75	91	1008	0.00	ppbv #	32
71) 2-Chlorotoluene	17.42	91	153	0.00	ppbv #	44
72) 4-Ethyltoluene	17.82	105	1566	0.00	ppbv #	37
73) 1,3,5-Trimethylbenzene	17.99	105	1948	0.01	ppbv #	9
74) 1,2,4-Trimethylbenzene	18.85	105	11841	0.03	ppbv #	57
75) 1,3-Dichlorobenzene	18.91	146	2087	0.01	ppbv #	1
76) 1,4-Dichlorobenzene	18.91	146	2087	0.01	ppbv #	1
79) Naphthalene	23.93	128	3403	0.01	ppbv #	75
80) Naphthalene,2-methyl-	26.07	142	2035	0.02	ppbv #	52
81) 1,2,4-Trichlorobenzene	23.74	180	545	0.00	ppbv #	55

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.00 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

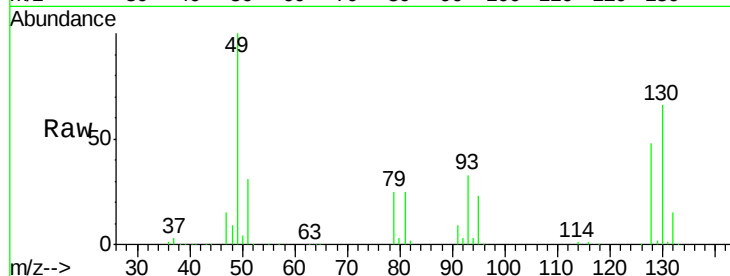
Tgt Ion: 49 Resp: 629068

Ion Ratio Lower Upper

49 100

128 50.6 25.4 76.0

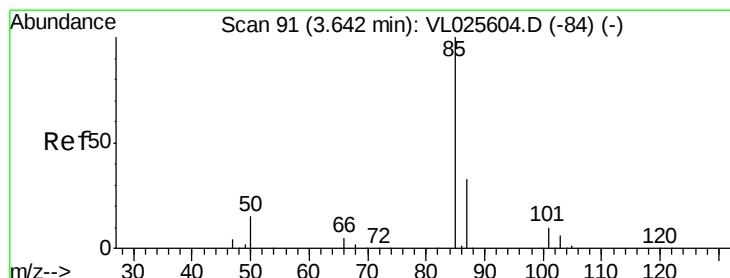
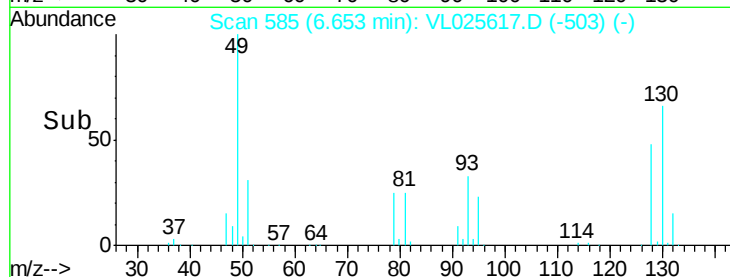
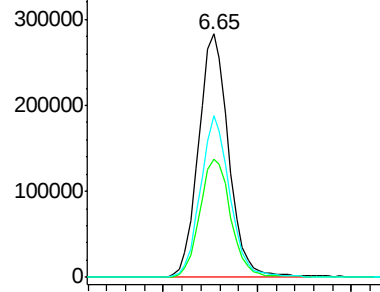
130 65.7 31.9 95.9



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: 0.08 ppbv

RT: 3.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL025617.D

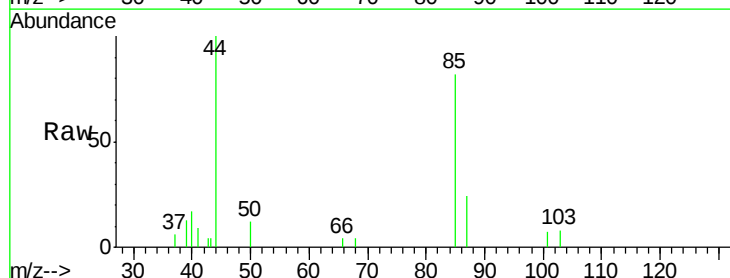
Acq: 7 Jul 2015 21:20

Tgt Ion: 85 Resp: 13759

Ion Ratio Lower Upper

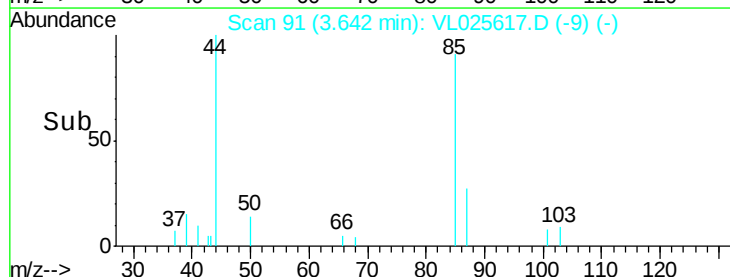
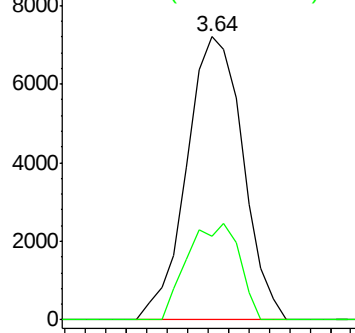
85 100

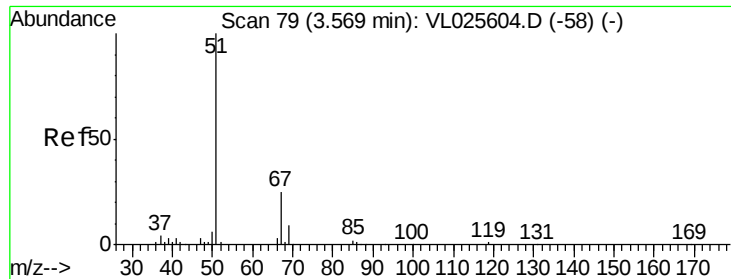
87 29.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

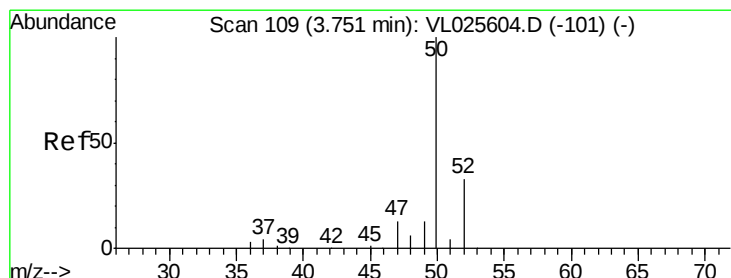
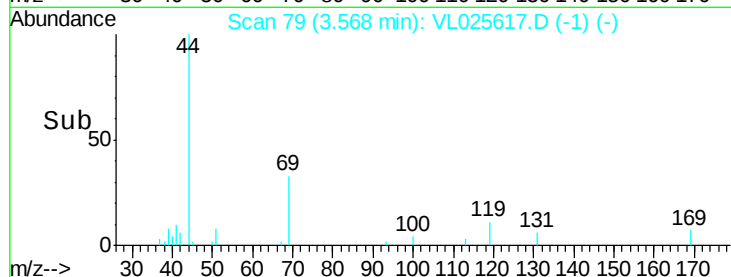
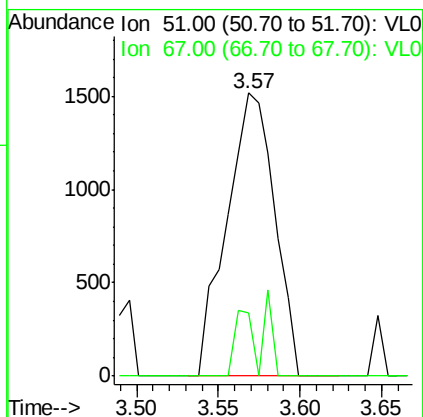
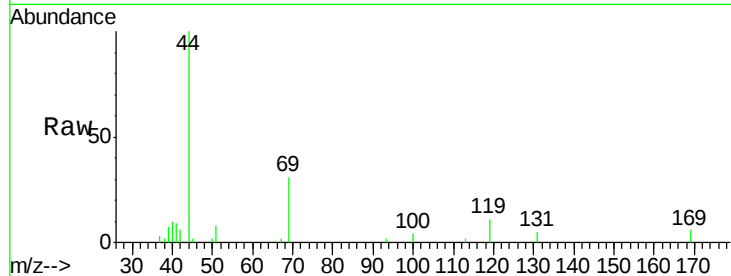




#3
Chlorodifluoromethane
Concen: 0.03 ppbv
RT: 3.57 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

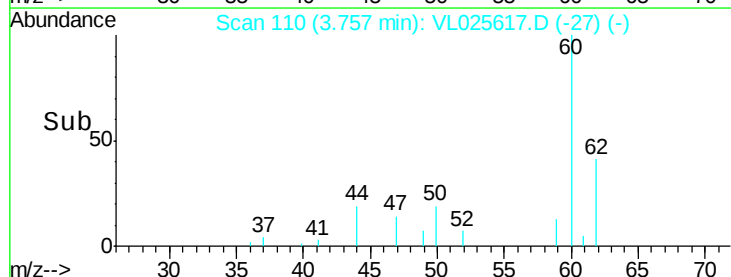
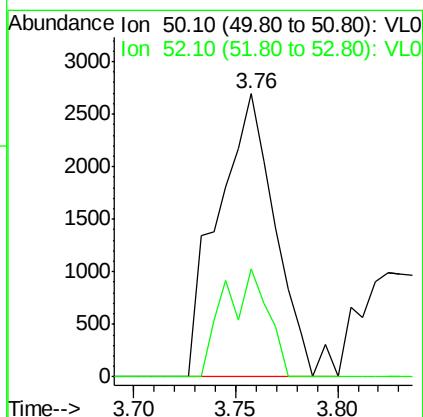
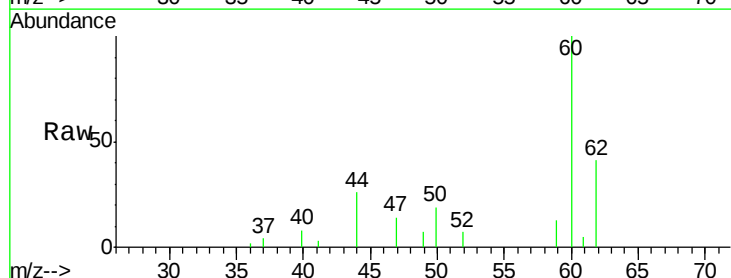
Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-070115DL

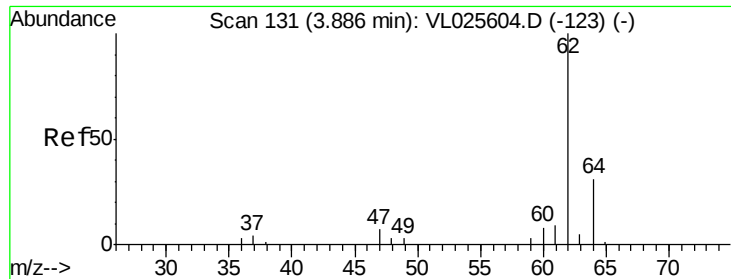
Tgt Ion: 51 Resp: 3093
Ion Ratio Lower Upper
51 100
67 13.6 19.5 29.3#



#4
Chloromethane
Concen: 0.13 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

Tgt Ion: 50 Resp: 5273
Ion Ratio Lower Upper
50 100
52 38.1 26.2 39.2





#5

Vinyl Chloride

Concen: 1.58 ppbv

RT: 3.89 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

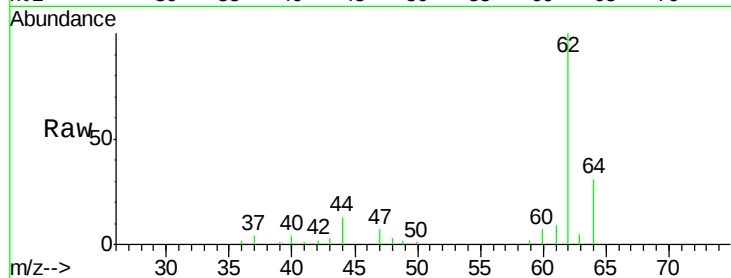
DIN46-EFFLUENT-070115DL

Tgt Ion: 62 Resp: 68893

Ion Ratio Lower Upper

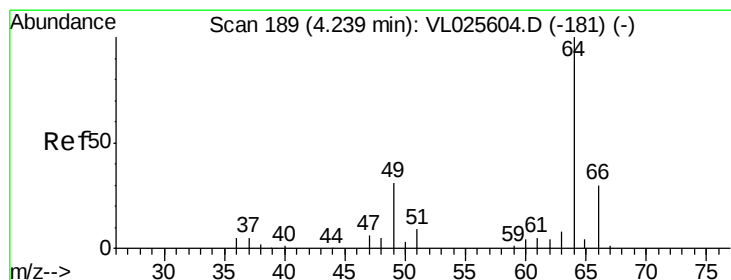
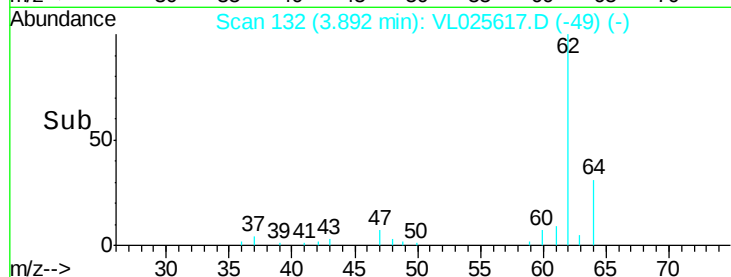
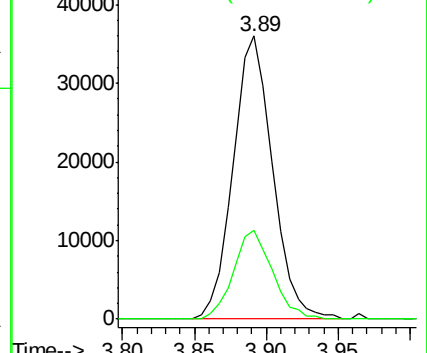
62 100

64 31.3 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.02 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.01 min

Lab File: VL025617.D

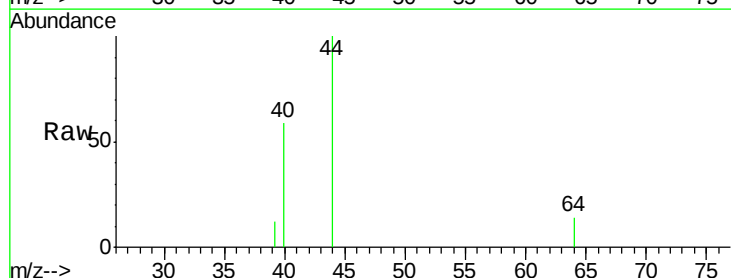
Acq: 7 Jul 2015 21:20

Tgt Ion: 64 Resp: 384

Ion Ratio Lower Upper

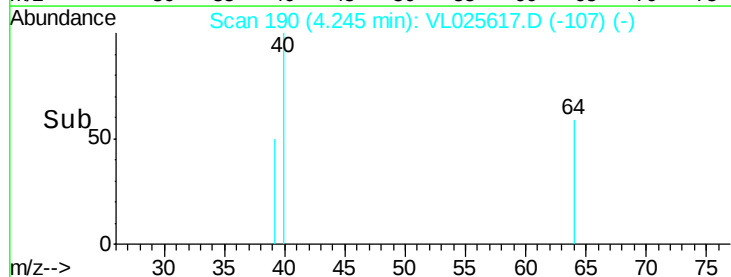
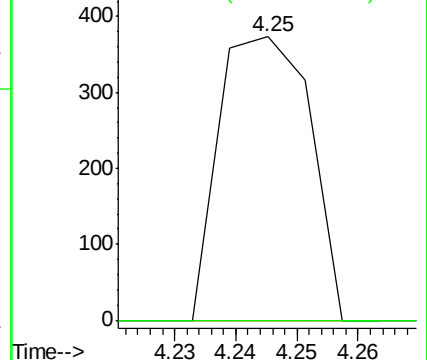
64 100

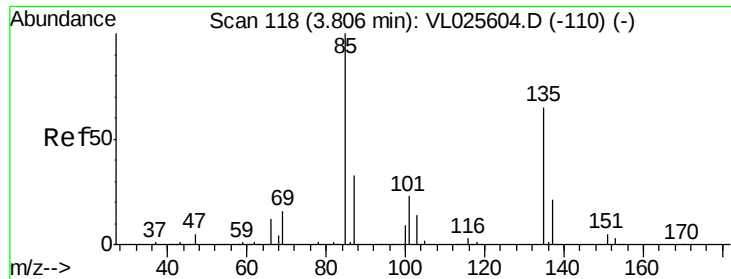
66 0.0 23.8 35.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.10 ppbv

RT: 3.64 min Scan# 91

Delta R.T. -0.16 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

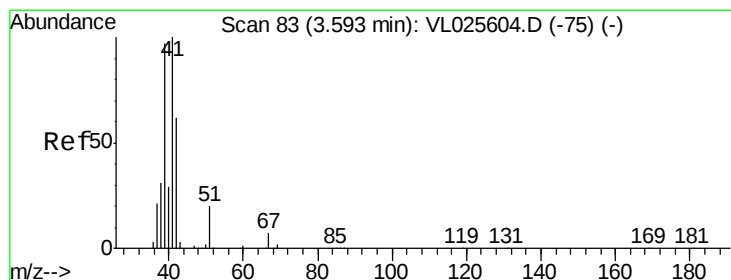
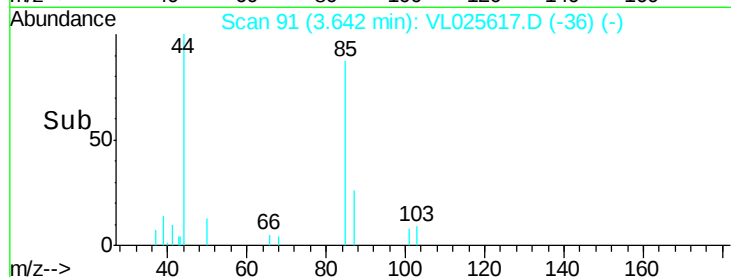
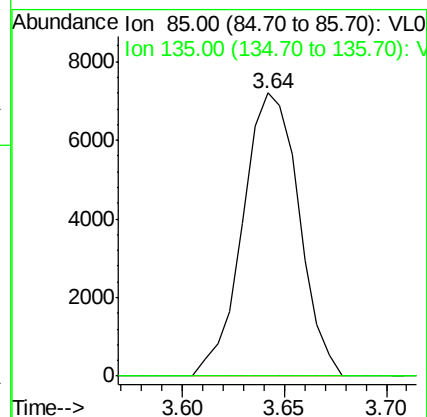
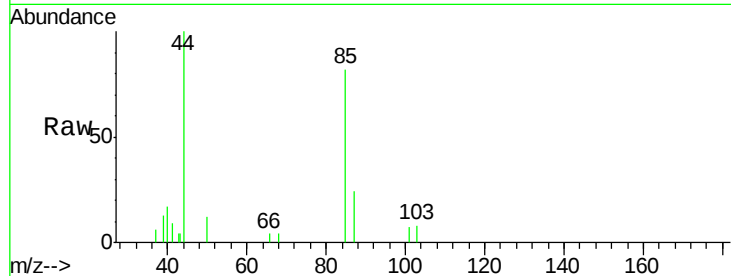
DIN46-EFFLUENT-070115DL

Tgt Ion: 85 Resp: 13759

Ion Ratio Lower Upper

85 100

135 0.0 52.2 78.4#



#9

Propene

Concen: 2.05 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025617.D

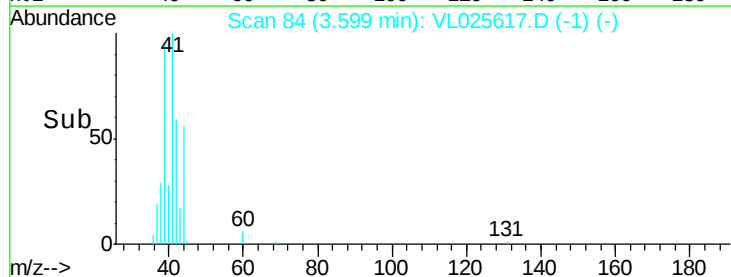
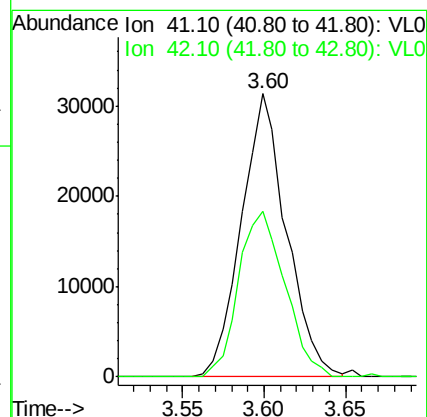
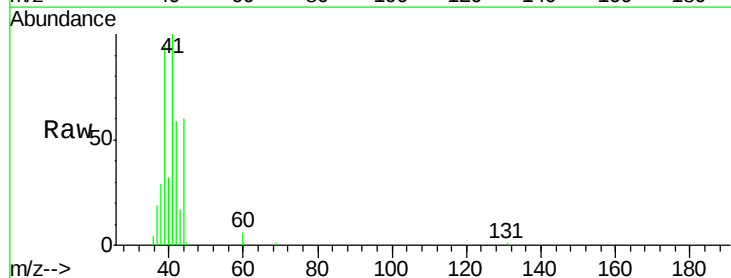
Acq: 7 Jul 2015 21:20

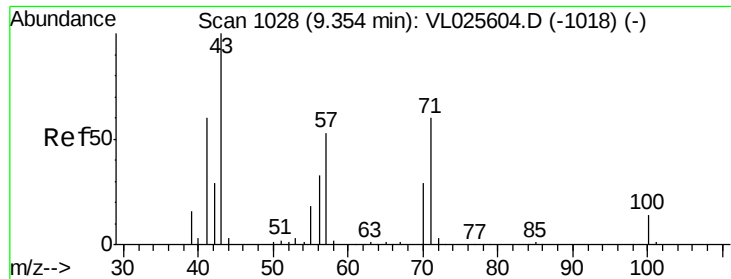
Tgt Ion: 41 Resp: 60504

Ion Ratio Lower Upper

41 100

42 60.0 52.4 78.6





#10

Heptane

Concen: 0.00 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

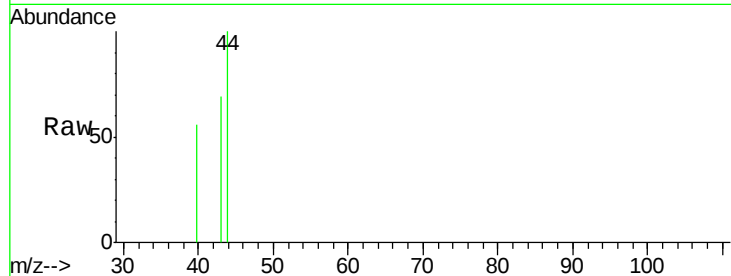
DIN46-EFFLUENT-070115DL

Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

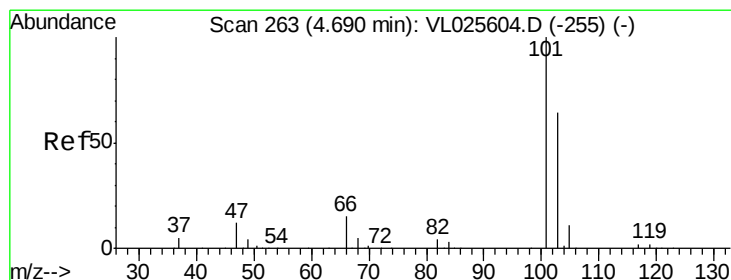
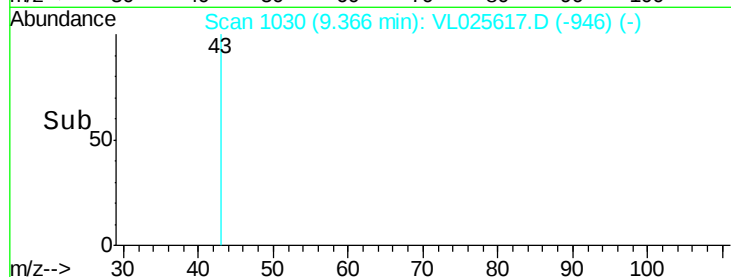
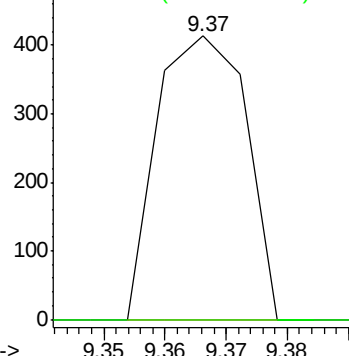
43 100

57 0.0 42.6 64.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.01 ppbv

RT: 4.70 min Scan# 264

Delta R.T. 0.01 min

Lab File: VL025617.D

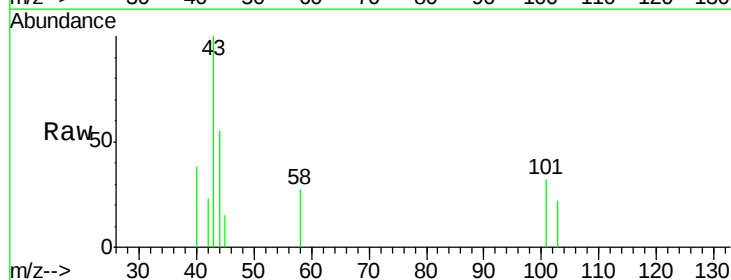
Acq: 7 Jul 2015 21:20

Tgt Ion: 101 Resp: 1802

Ion Ratio Lower Upper

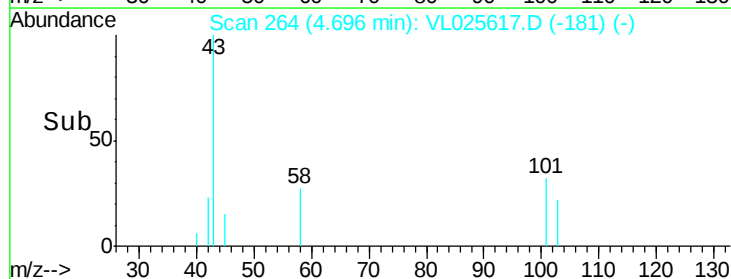
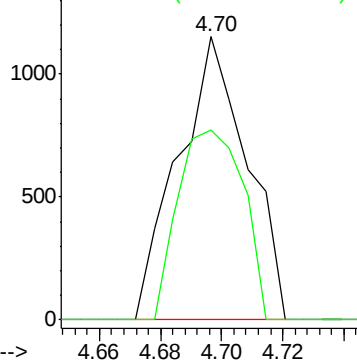
101 100

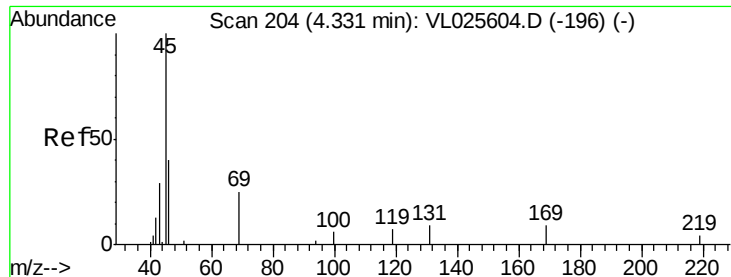
103 67.2 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

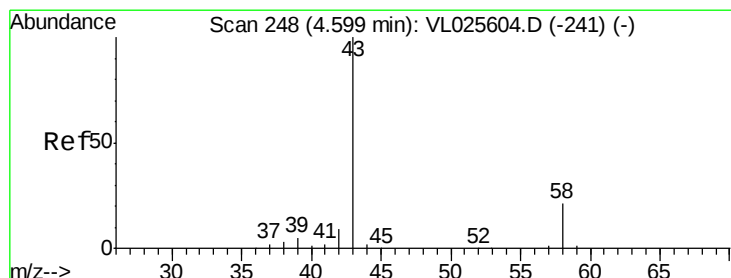
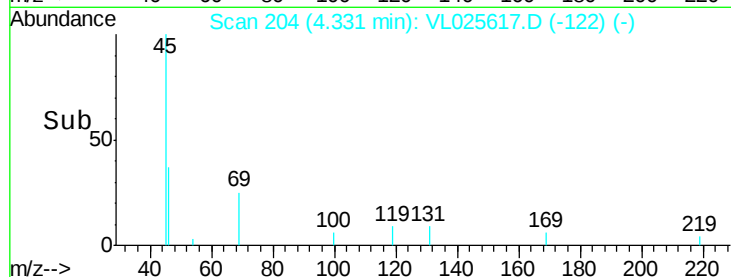
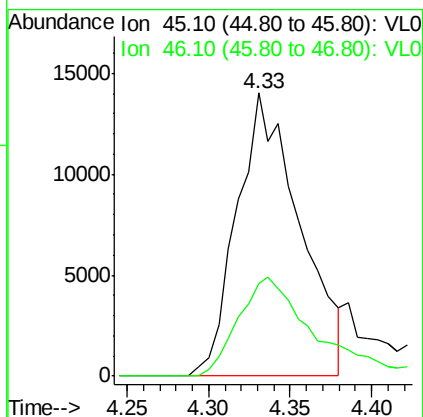
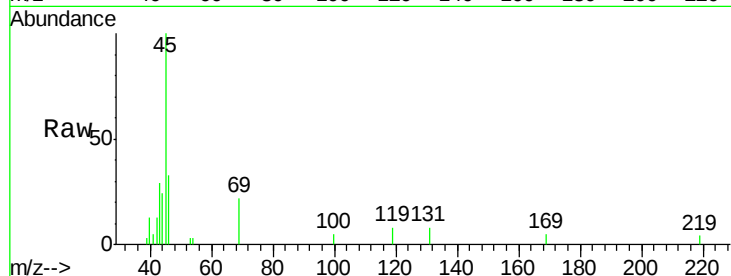




#13
Ethanol
Concen: 8.25 ppbv
RT: 4.33 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

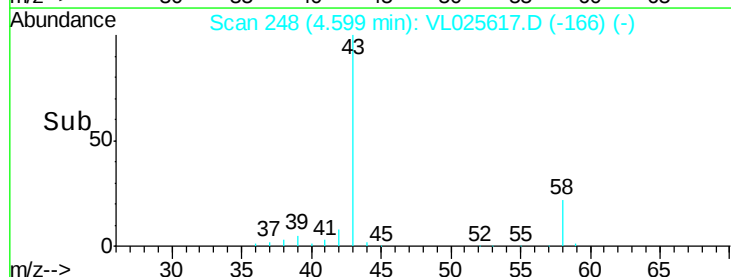
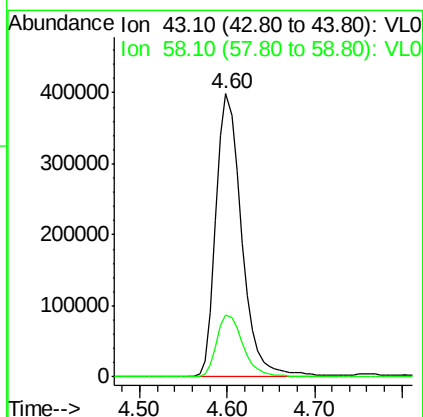
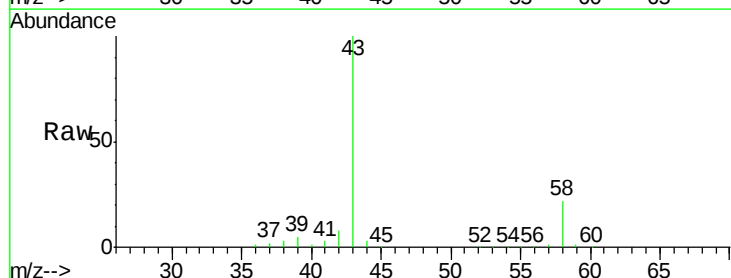
Instrument :
MSVOA_L
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DIN46-EFFLUENT-070115DL

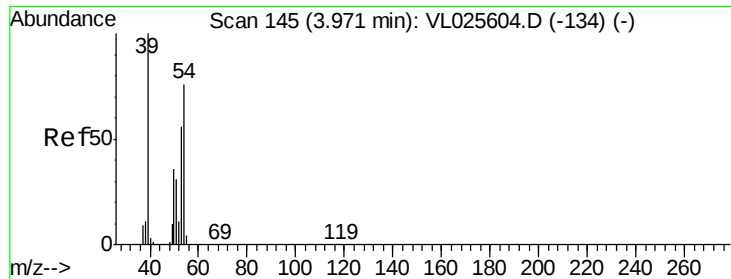
Tgt Ion: 45 Resp: 37777
Ion Ratio Lower Upper
45 100
46 43.6 16.0 64.0



#15
Acetone
Concen: 7.39 ppbv
RT: 4.60 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

Tgt Ion: 43 Resp: 820902
Ion Ratio Lower Upper
43 100
58 22.7 17.2 25.8

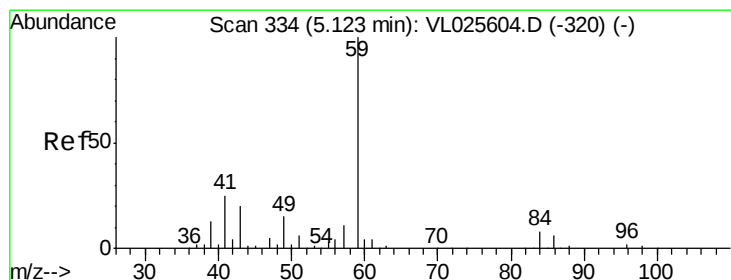
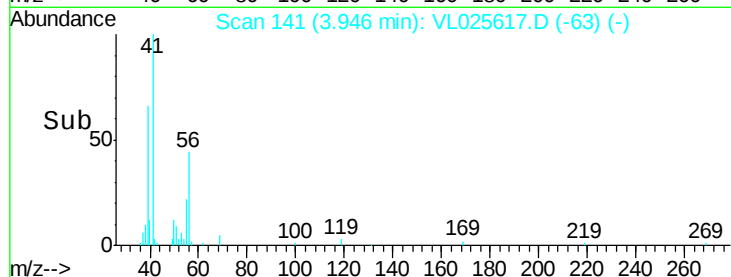
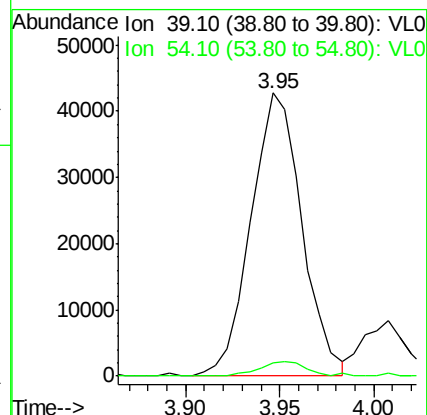
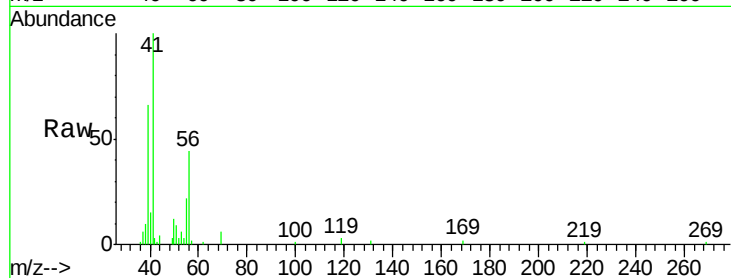




#16
 1,3-Butadiene
 Concen: 1.81 ppbv
 RT: 3.95 min Scan# 141
 Delta R.T. -0.02 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

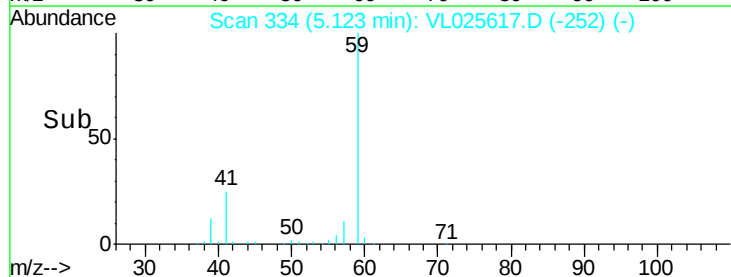
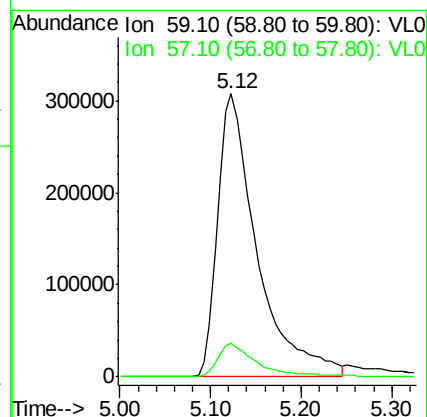
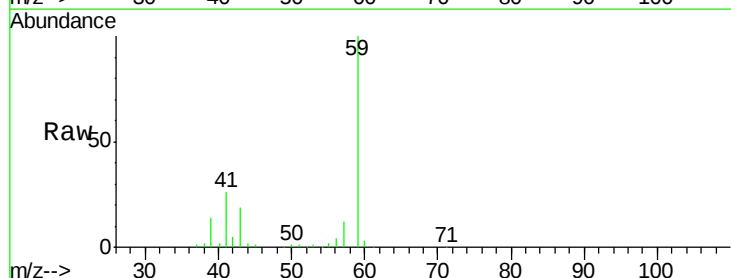
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

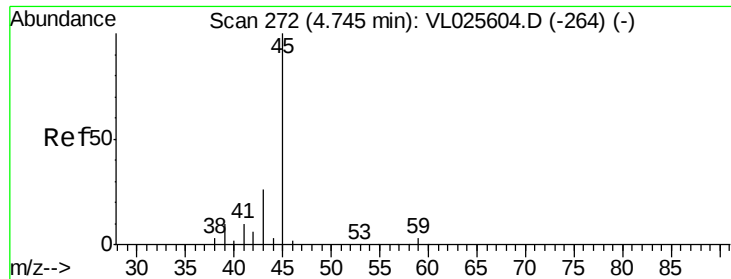
Tgt Ion: 39 Resp: 80081
 Ion Ratio Lower Upper
 39 100
 54 4.8 59.3 88.9#



#17
 tert-Butyl alcohol
 Concen: 10.03 ppbv
 RT: 5.12 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 59 Resp: 935147
 Ion Ratio Lower Upper
 59 100
 57 12.3 9.4 14.2





#19

Isopropyl Alcohol

Concen: 0.29 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.02 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

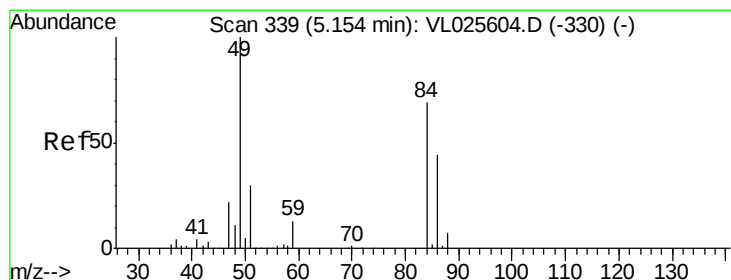
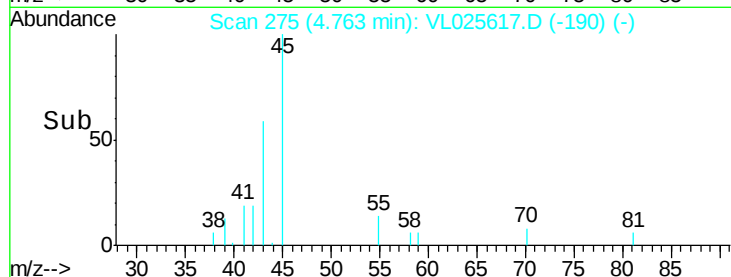
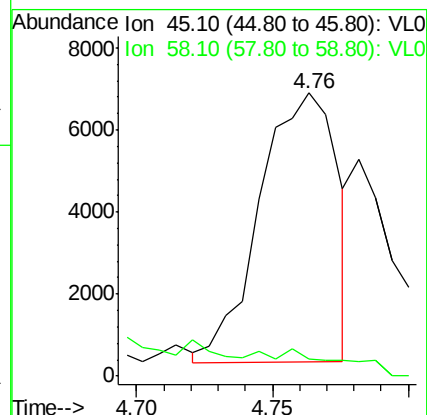
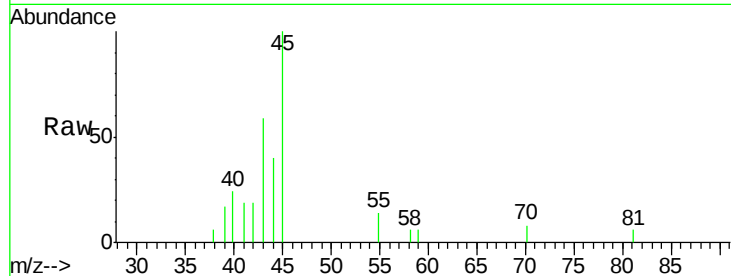
DIN46-EFFLUENT-070115DL

Tgt Ion: 45 Resp: 13007

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#



#20

Methylene Chloride

Concen: 0.08 ppbv

RT: 5.15 min Scan# 339

Delta R.T. -0.00 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Tgt Ion: 84 Resp: 3815

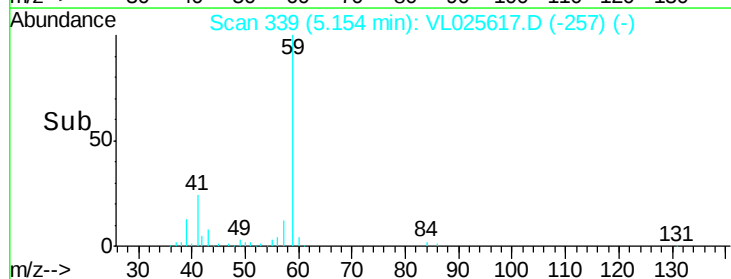
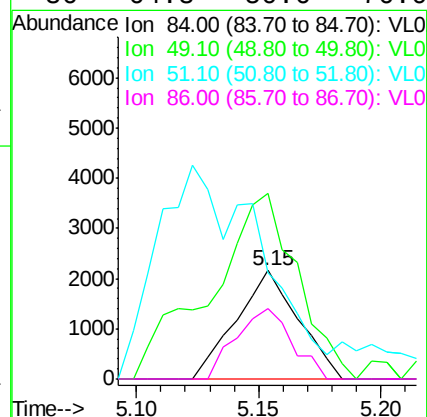
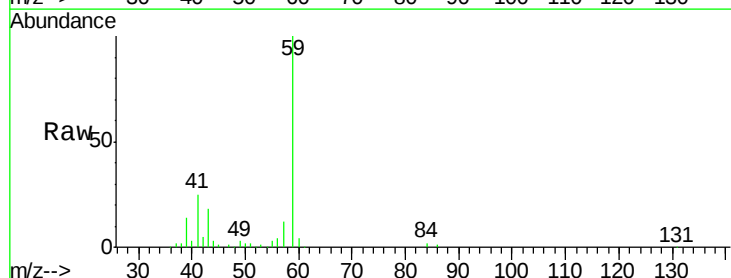
Ion Ratio Lower Upper

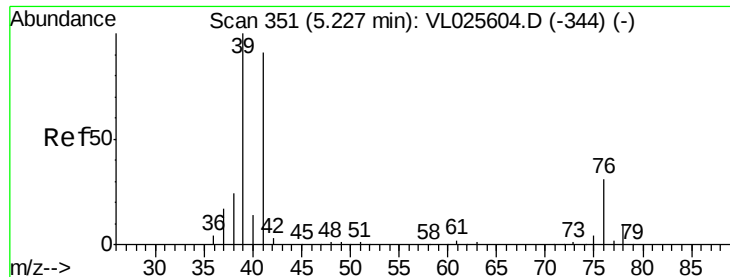
84 100

49 156.1 115.2 172.8

51 64.5 35.0 52.6#

86 64.8 50.6 76.0





#21

Allyl Chloride

Concen: 3.66 ppbv

RT: 5.12 min Scan# 334

Delta R.T. -0.10 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

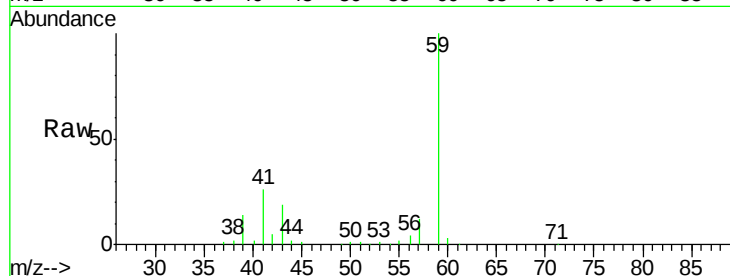
Tgt Ion: 41 Resp: 254365

Ion Ratio Lower Upper

41 100

76 0.0 26.6 40.0#

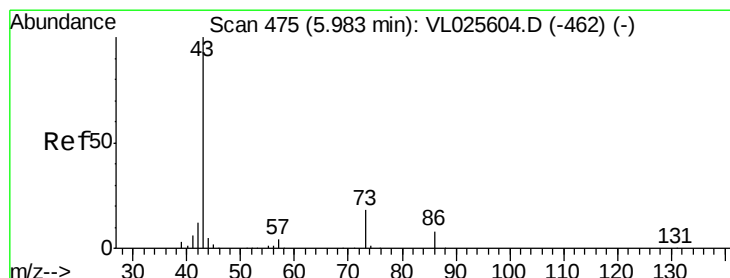
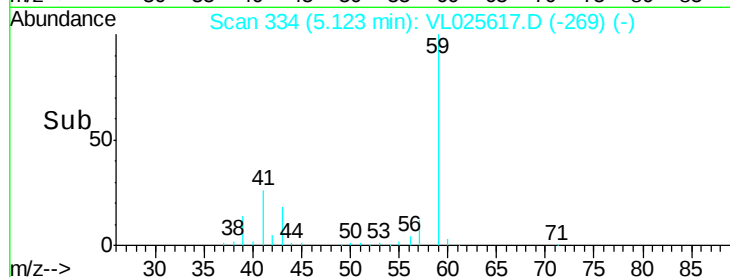
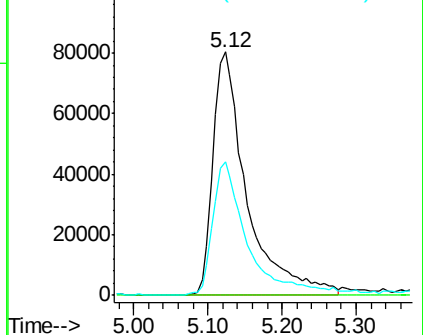
39 57.3 88.2 132.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.06 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Tgt Ion: 43 Resp: 10392

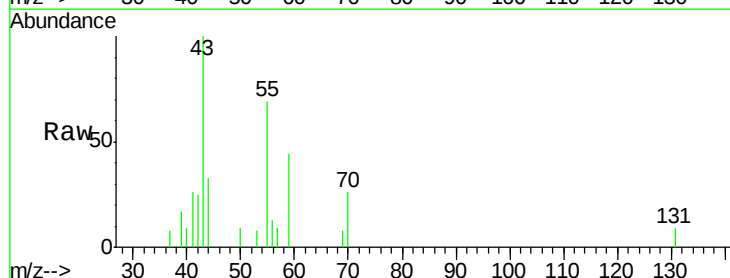
Ion Ratio Lower Upper

43 100

86 0.0 6.7 10.1#

42 17.8 9.8 14.6#

44 4.0 4.1 6.1#

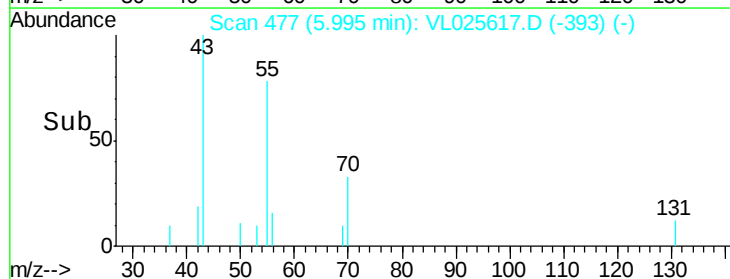
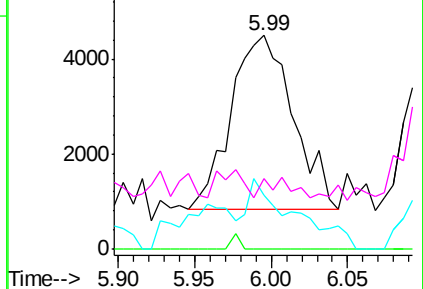


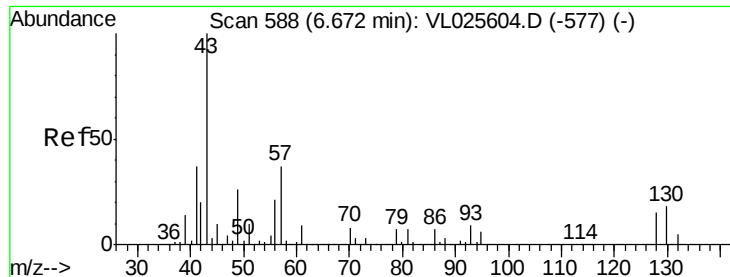
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.05 ppbv

RT: 7.13 min Scan# 664

Delta R.T. 0.46 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

Tgt Ion: 43 Resp: 8583

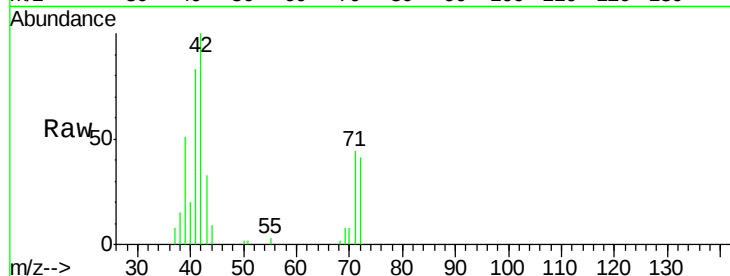
Ion Ratio Lower Upper

43 100

45 0.0 7.5 11.3#

61 0.0 6.6 10.0#

70 0.0 6.0 9.0#

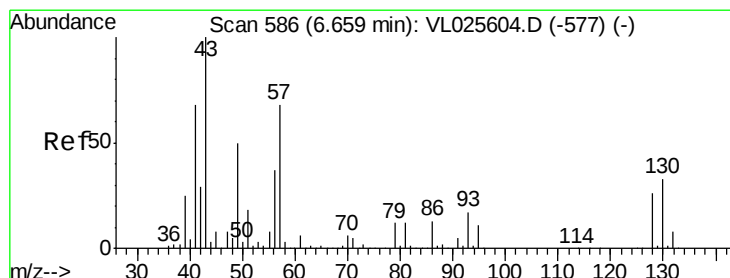
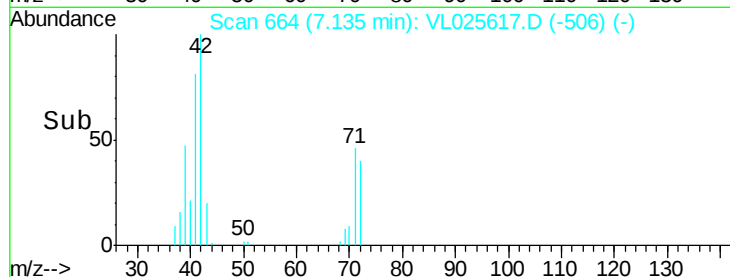
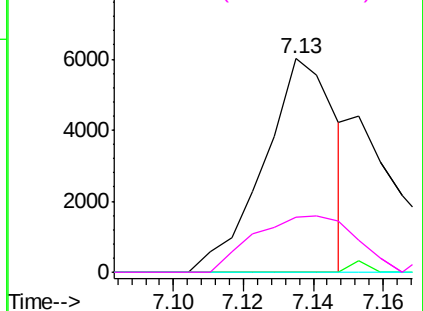


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.00 ppbv

RT: 6.42 min Scan# 547

Delta R.T. -0.24 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Tgt Ion: 57 Resp: 256

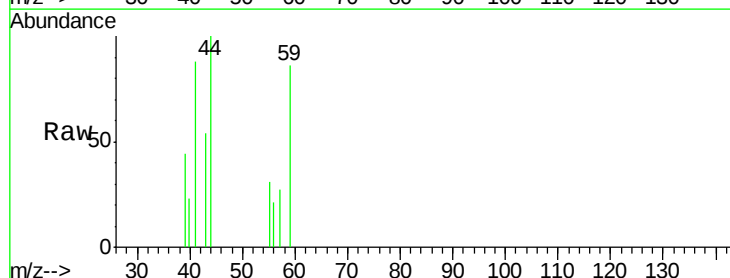
Ion Ratio Lower Upper

57 100

41 449.2 81.4 122.2#

43 0.0 171.4 257.2#

56 286.7 44.5 66.7#

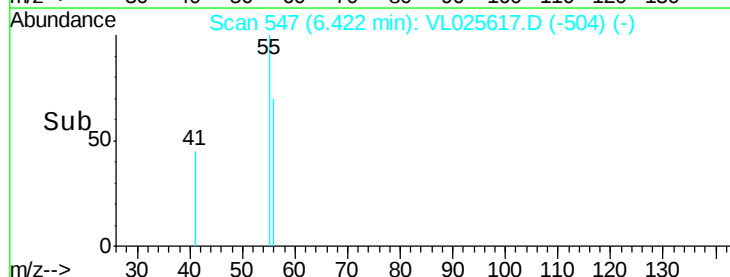
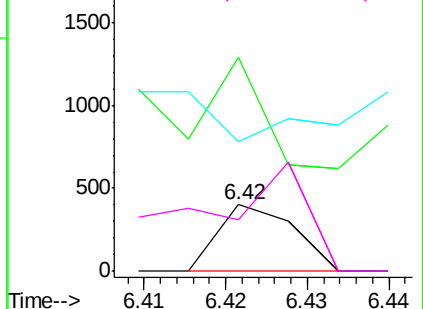


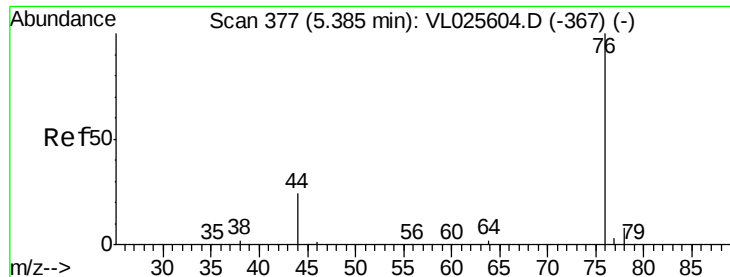
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.00 ppbv

RT: 5.40 min Scan# 379

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

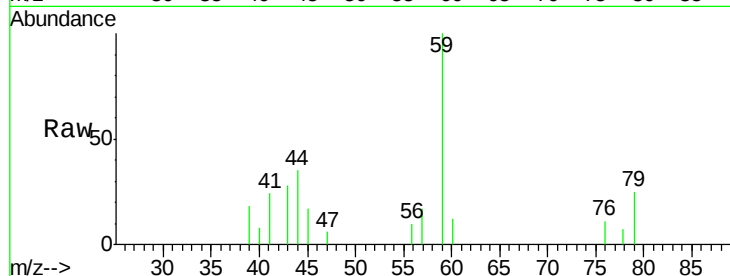
Tgt Ion: 76 Resp: 606

Ion Ratio Lower Upper

76 100

44 373.8 20.2 30.4#

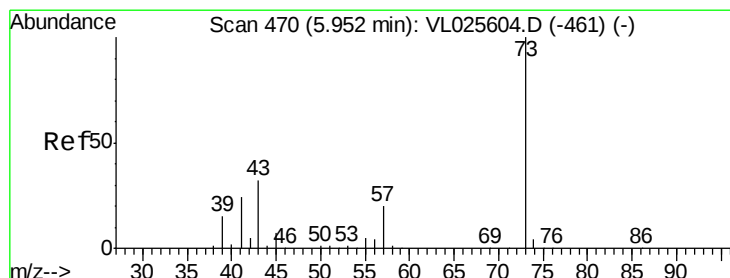
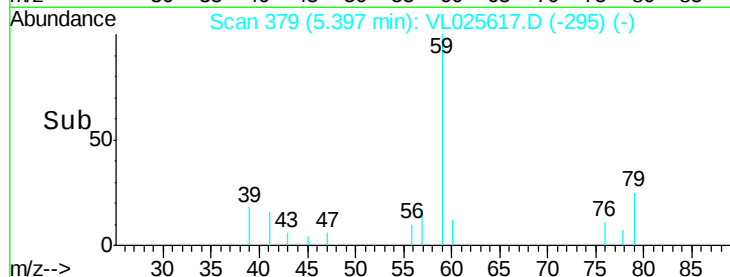
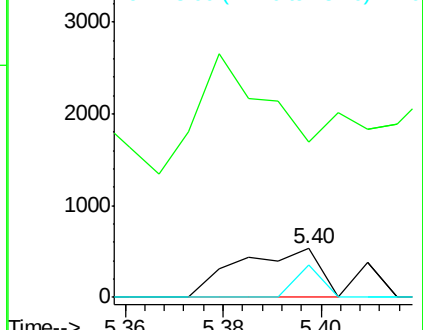
78 0.0 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.01 ppbv

RT: 6.20 min Scan# 511

Delta R.T. 0.25 min

Lab File: VL025617.D

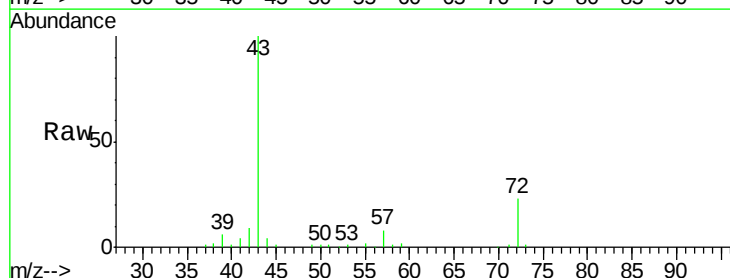
Acq: 7 Jul 2015 21:20

Tgt Ion: 73 Resp: 2184

Ion Ratio Lower Upper

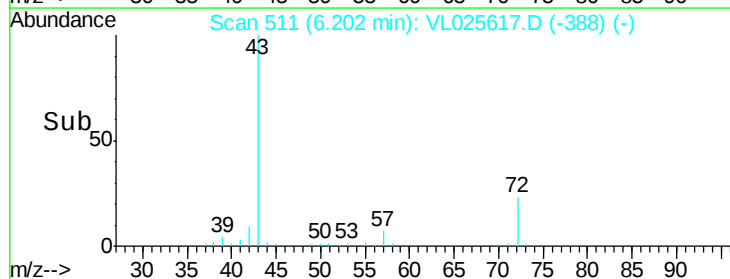
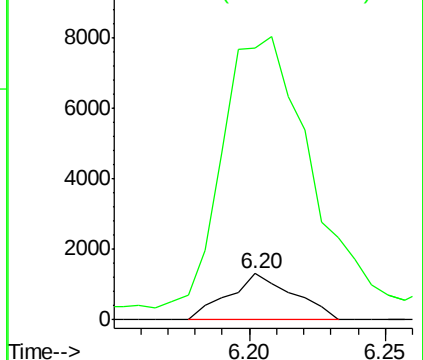
73 100

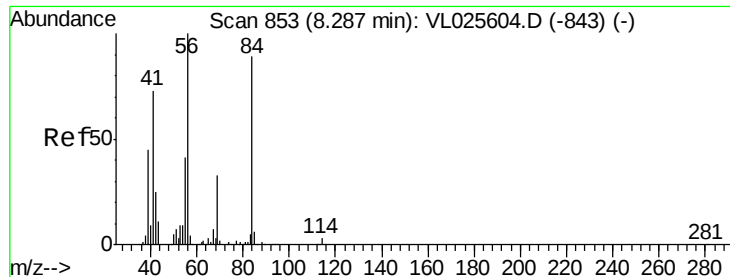
57 815.4 16.0 24.0#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

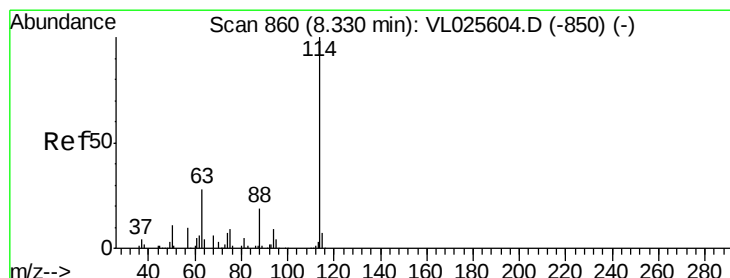
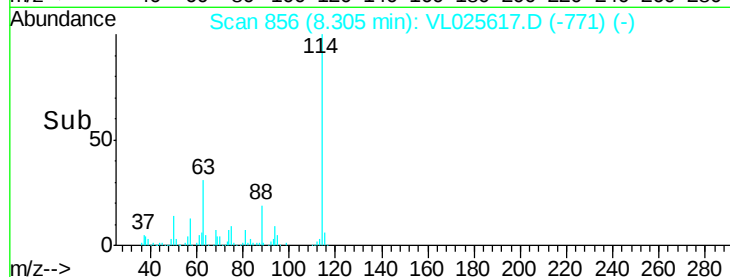
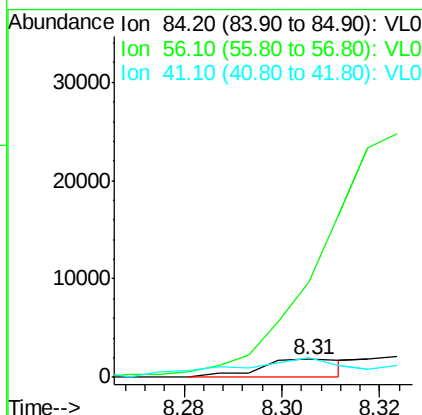
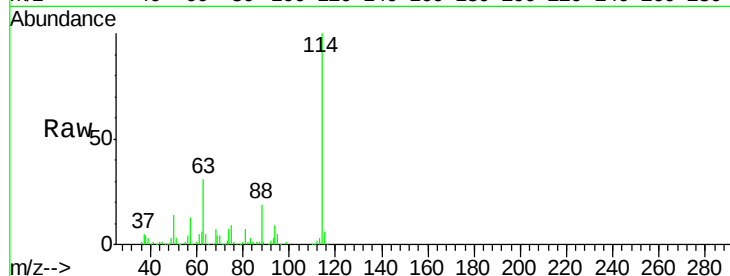




#30
Cyclohexane
Concen: 0.03 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.02 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

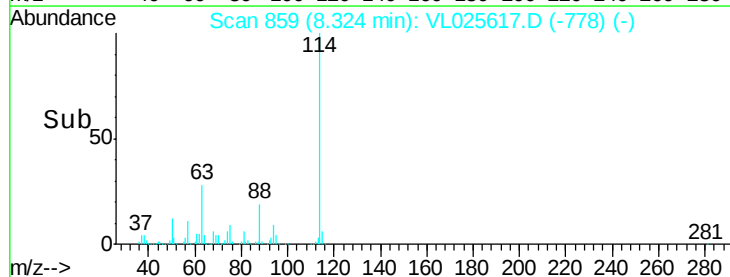
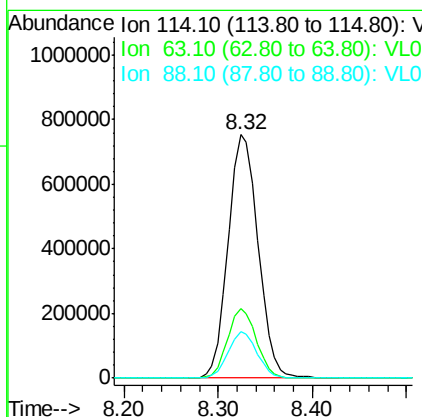
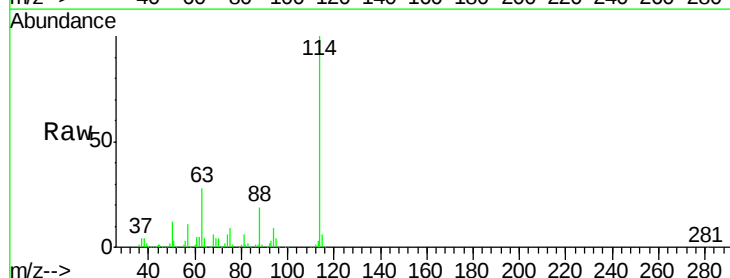
Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-070115DL

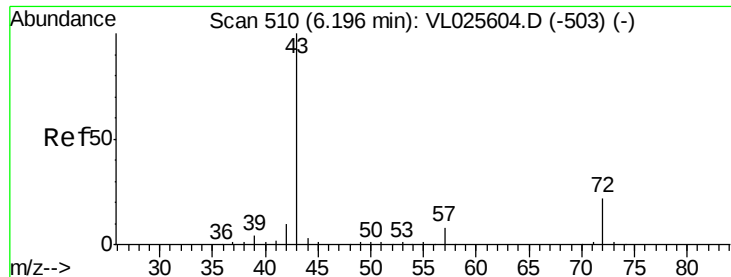
Tgt Ion: 84 Resp: 2230
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 246.1 65.4 98.2#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

Tgt Ion: 114 Resp: 1670082
Ion Ratio Lower Upper
114 100
63 27.5 22.4 33.6
88 18.5 15.0 22.4

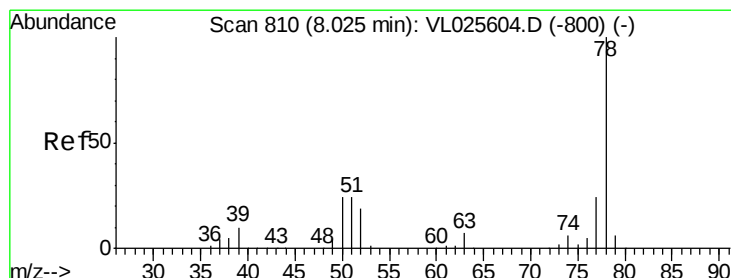
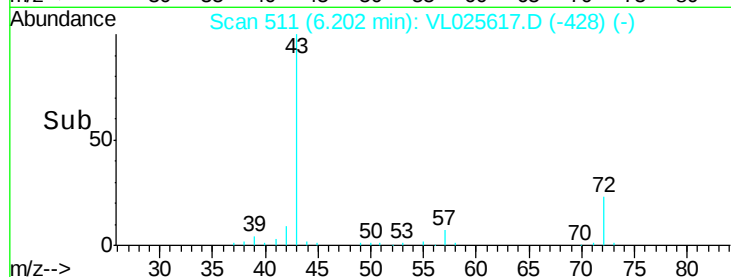
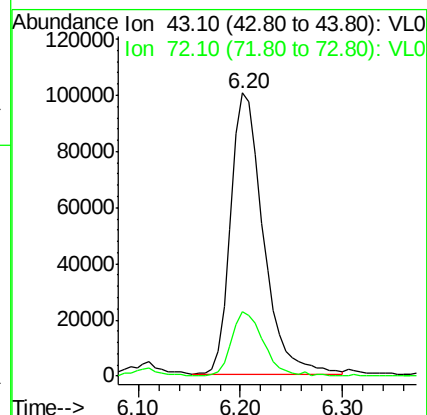
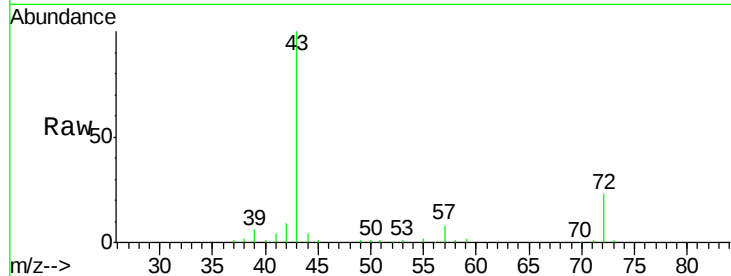




#34
2-Butanone
Concen: 2.33 ppbv
RT: 6.20 min Scan# 511
Delta R.T. 0.01 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

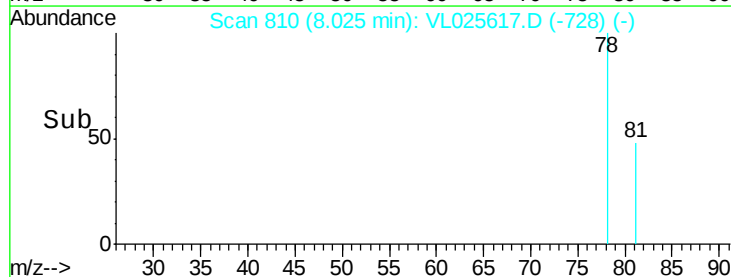
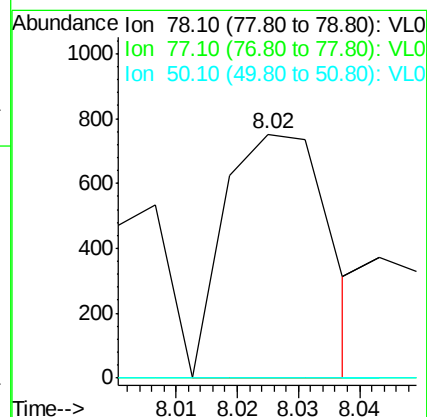
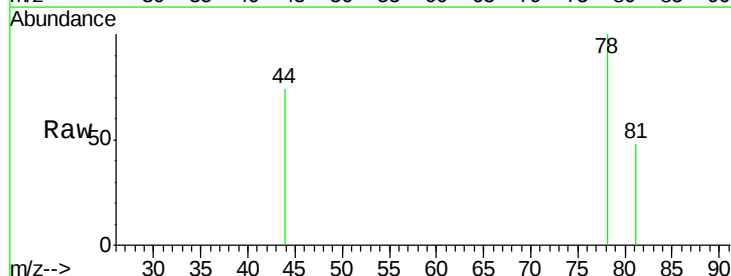
Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-070115DL

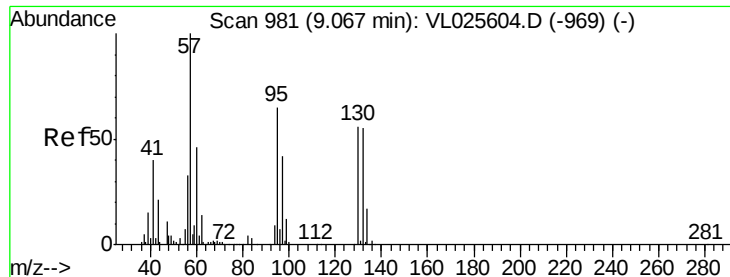
Tgt Ion: 43 Resp: 221172
Ion Ratio Lower Upper
43 100
72 23.0 18.6 28.0



#36
Benzene
Concen: 0.01 ppbv
RT: 8.02 min Scan# 810
Delta R.T. -0.00 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

Tgt Ion: 78 Resp: 886
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.4#
50 0.0 19.2 28.8#





#38

Trichloroethene

Concen: 0.03 ppbv

RT: 9.07 min Scan# 982

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

Tgt Ion:130 Resp: 2300

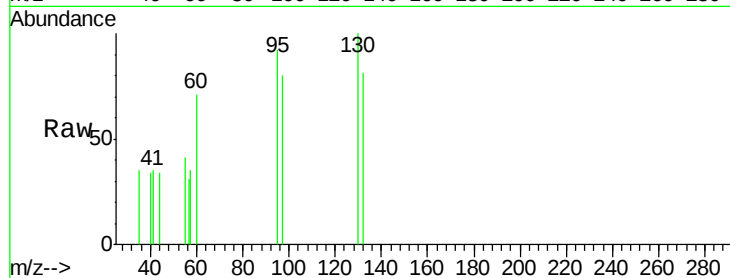
Ion Ratio Lower Upper

130 100

95 92.2 94.2 141.4#

132 80.7 78.6 118.0

97 80.3 60.6 90.8

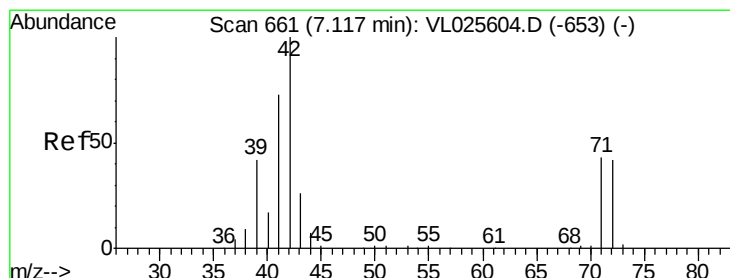
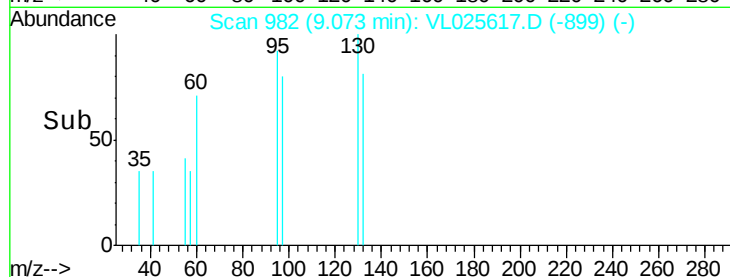
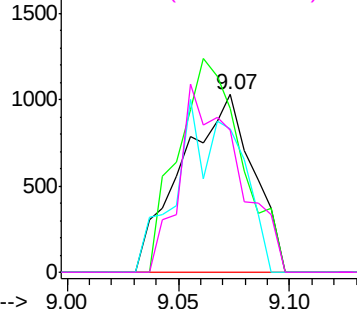


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#41

Tetrahydrofuran

Concen: 0.93 ppbv

RT: 7.14 min Scan# 665

Delta R.T. 0.02 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

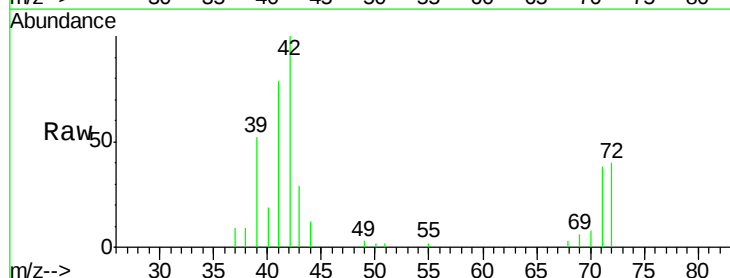
Tgt Ion: 42 Resp: 44067

Ion Ratio Lower Upper

42 100

72 42.3 34.0 51.0

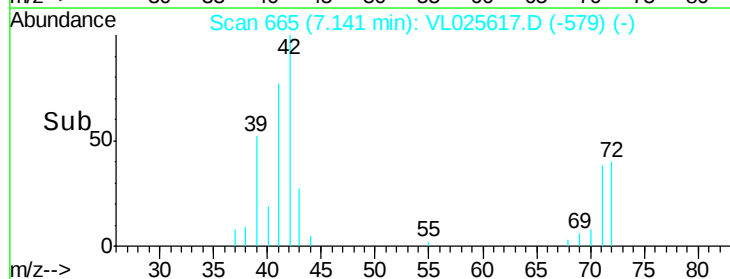
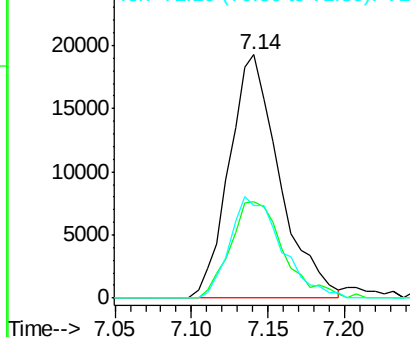
71 42.5 33.0 49.6

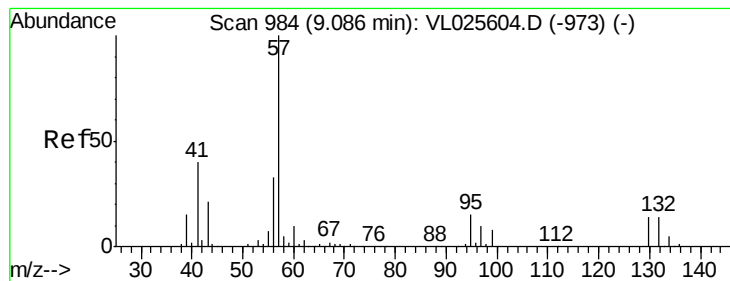


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

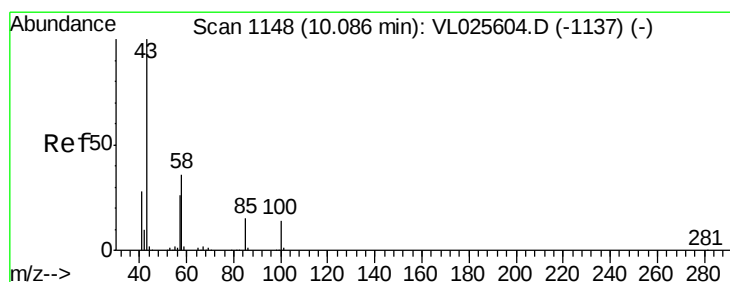
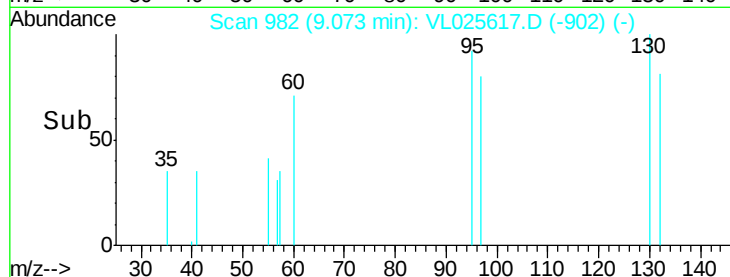
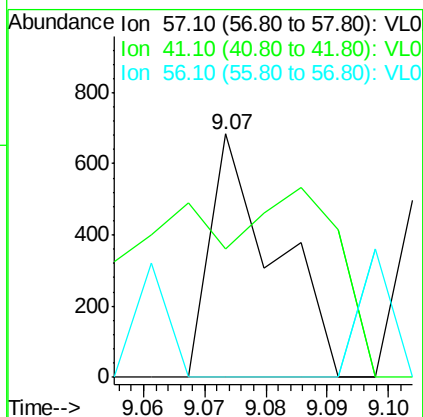
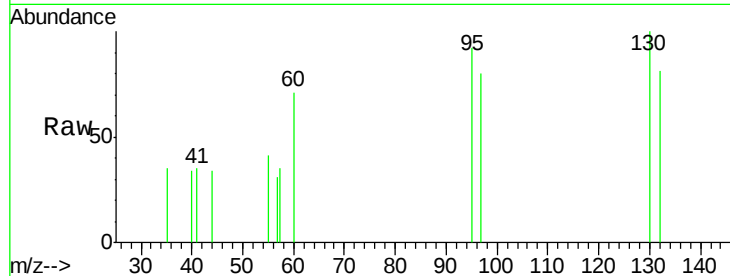




#44
 2,2,4-Trimethylpentane
 Concen: 0.00 ppbv
 RT: 9.07 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

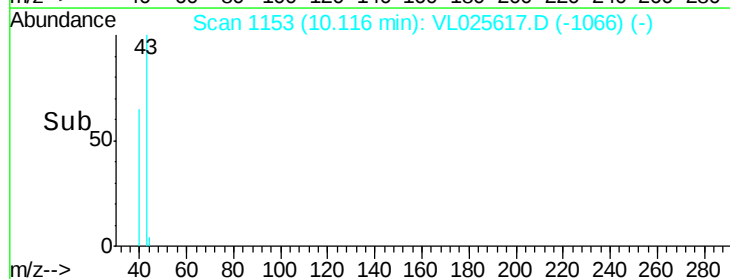
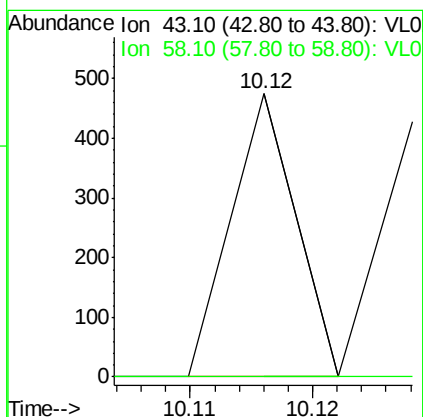
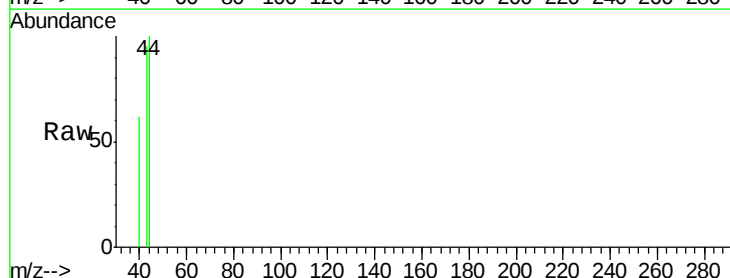
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

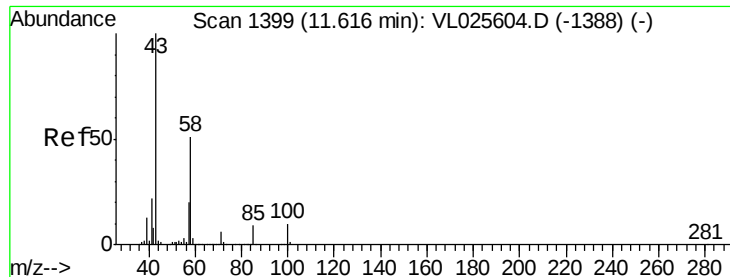
Tgt Ion: 57 Resp: 500
 Ion Ratio Lower Upper
 57 100
 41 218.4 31.2 46.8#
 56 0.0 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.00 ppbv
 RT: 10.12 min Scan# 1153
 Delta R.T. 0.03 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 43 Resp: 173
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.5 42.7#

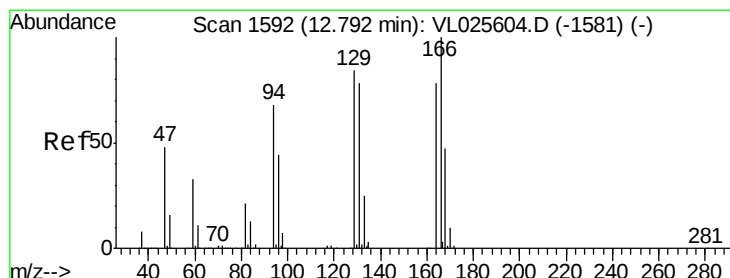
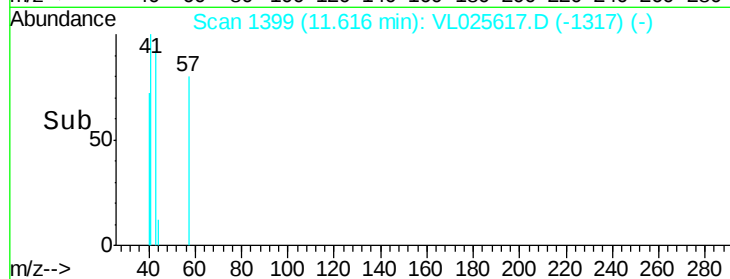
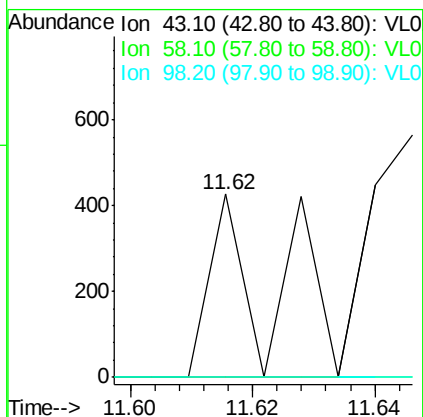
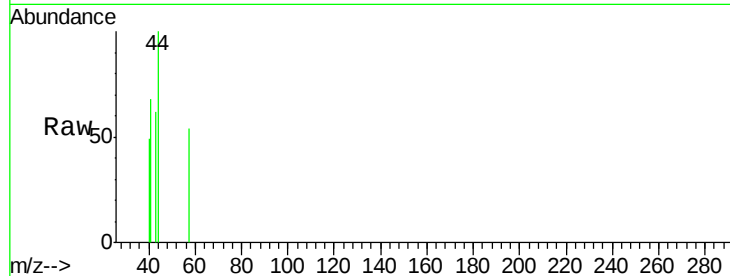




#51
 2-Hexanone
 Concen: 0.00 ppbv
 RT: 11.62 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

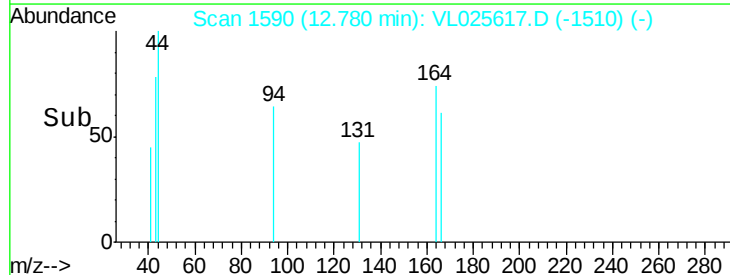
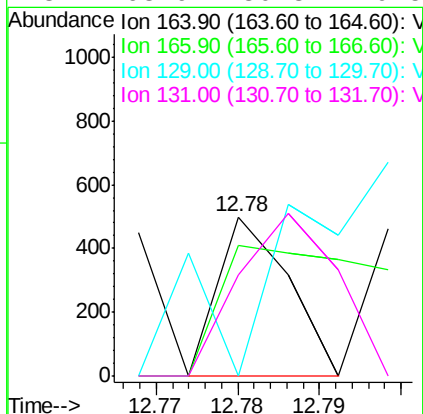
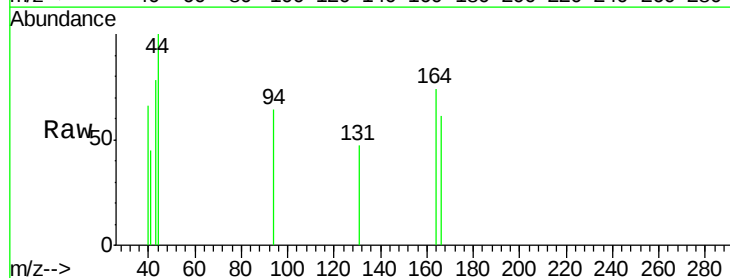
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

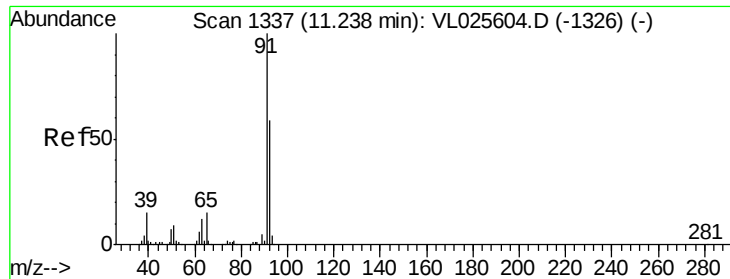
Tgt Ion: 43 Resp: 309
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.0 58.6#
 98 0.0 0.2 0.4#



#52
 Tetrachloroethene
 Concen: 0.00 ppbv
 RT: 12.78 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 164 Resp: 298
 Ion Ratio Lower Upper
 164 100
 166 82.2 102.3 153.5#
 129 0.0 86.2 129.4#
 131 63.9 80.3 120.5#





#53

Toluene

Concen: 0.01 ppbv

RT: 11.23 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

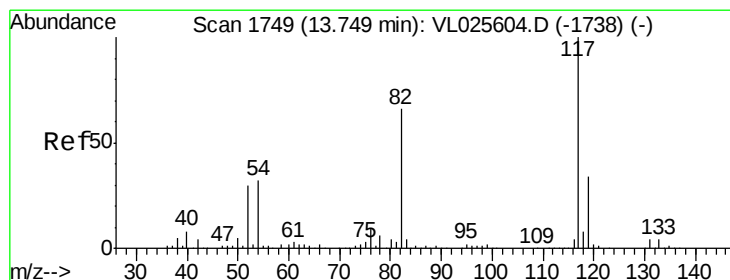
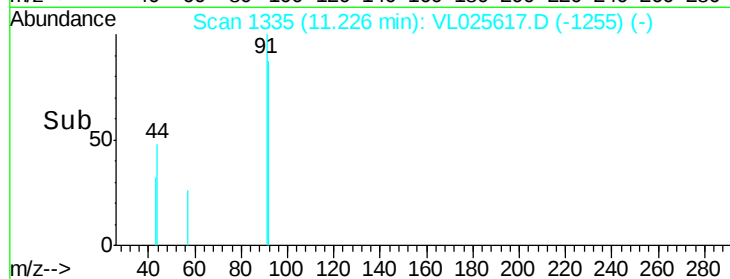
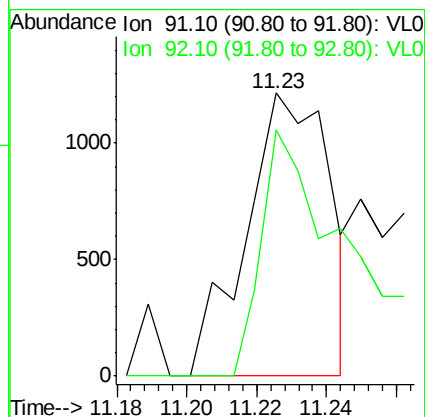
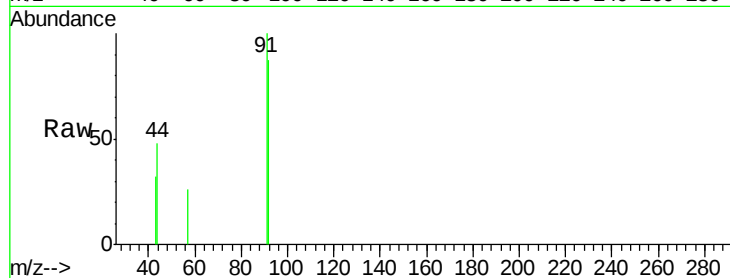
DIN46-EFFLUENT-070115DL

Tgt Ion: 91 Resp: 2024

Ion Ratio Lower Upper

91 100

92 85.6 48.2 72.2#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.74 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

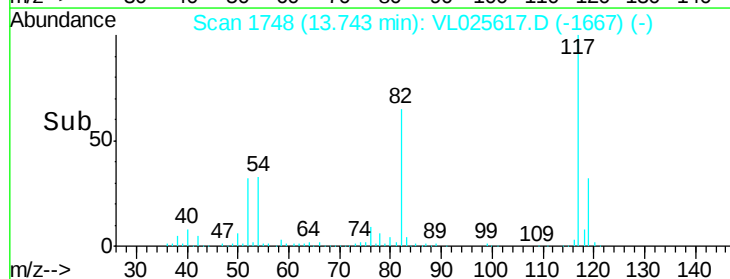
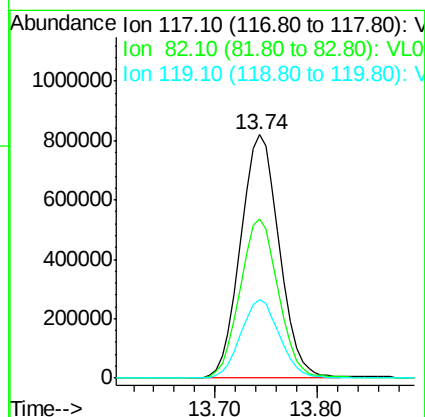
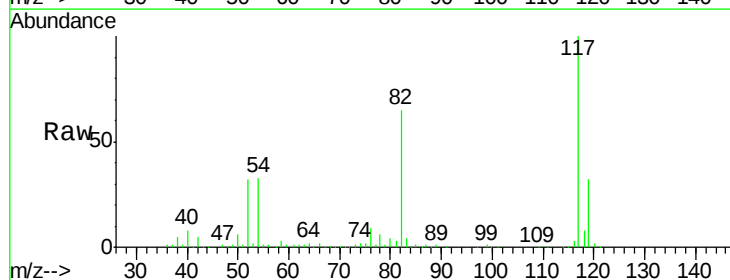
Tgt Ion: 117 Resp: 2164670

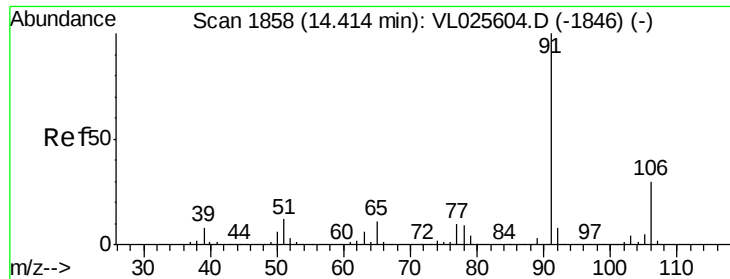
Ion Ratio Lower Upper

117 100

82 65.8 50.5 75.7

119 32.4 45.1 67.7#





#58

Ethyl Benzene

Concen: 0.00 ppbv

RT: 14.40 min Scan# 1856

Delta R.T. -0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

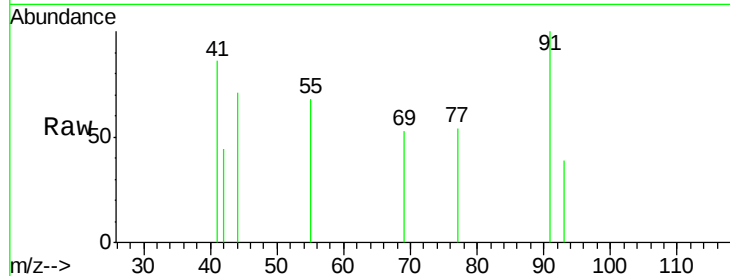
DIN46-EFFLUENT-070115DL

Tgt Ion: 91 Resp: 959

Ion Ratio Lower Upper

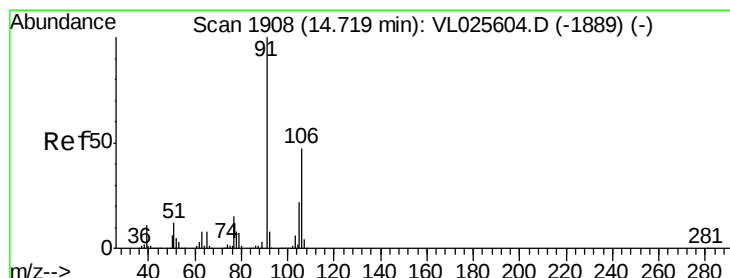
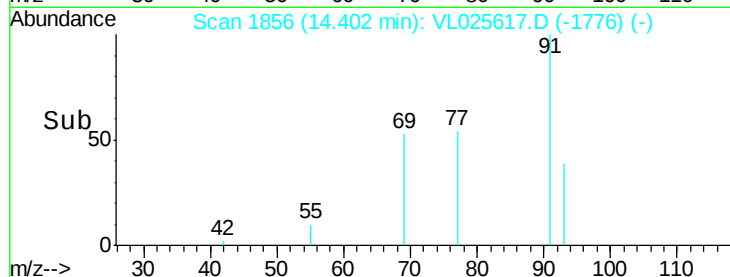
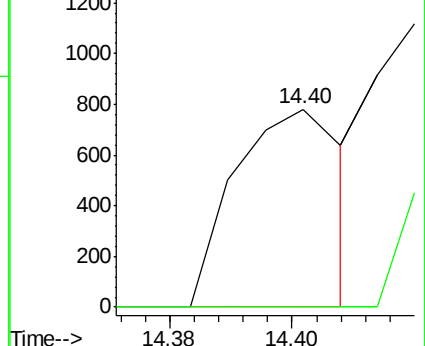
91 100

106 0.0 24.2 36.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.01 ppbv

RT: 14.72 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VL025617.D

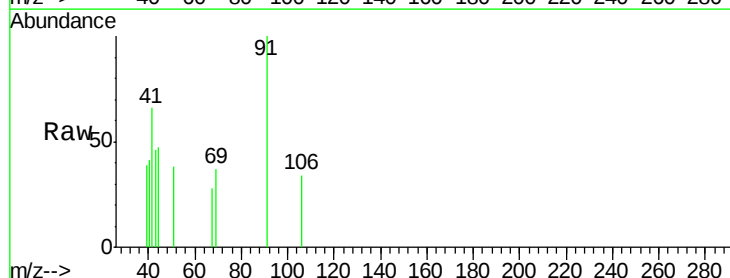
Acq: 7 Jul 2015 21:20

Tgt Ion: 91 Resp: 1970

Ion Ratio Lower Upper

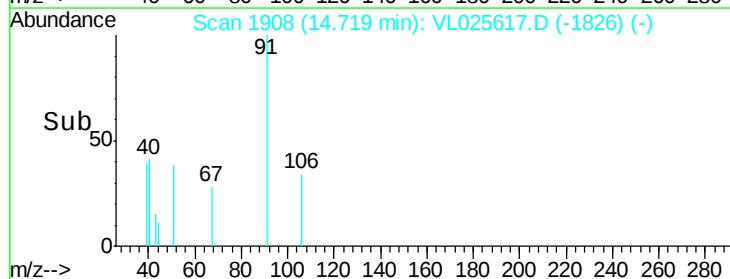
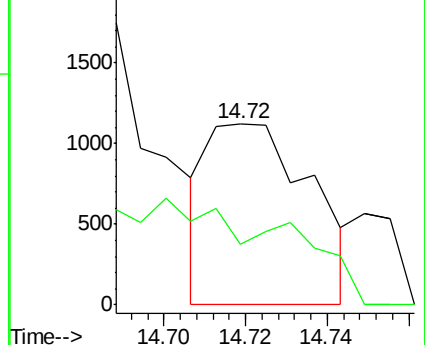
91 100

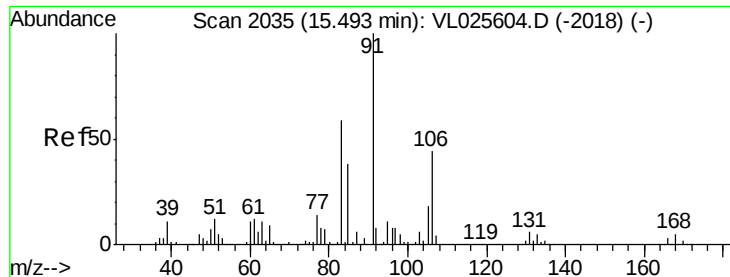
106 0.0 37.9 56.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

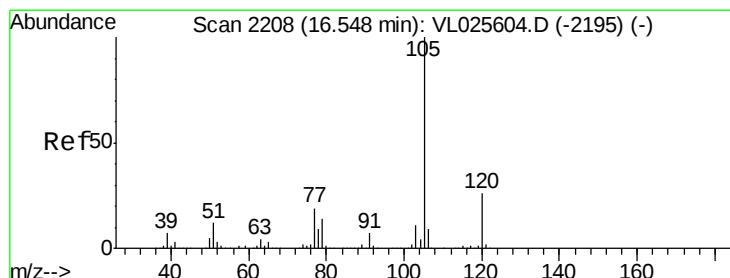
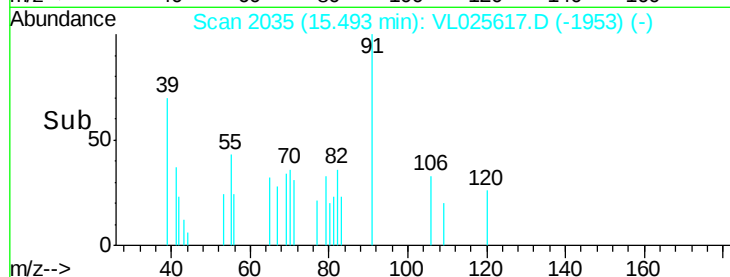
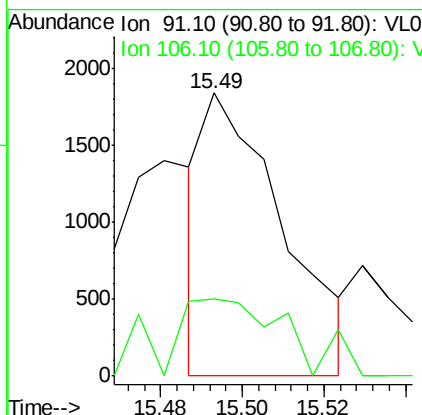
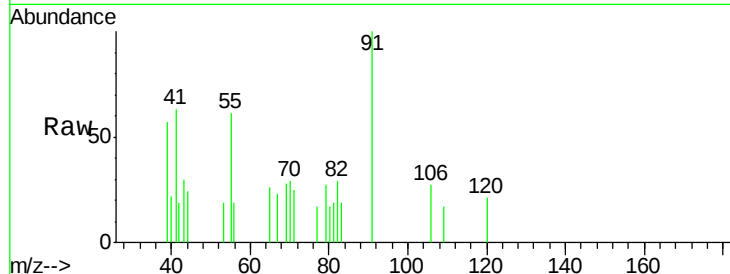




#60
o-Xylene
Concen: 0.01 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

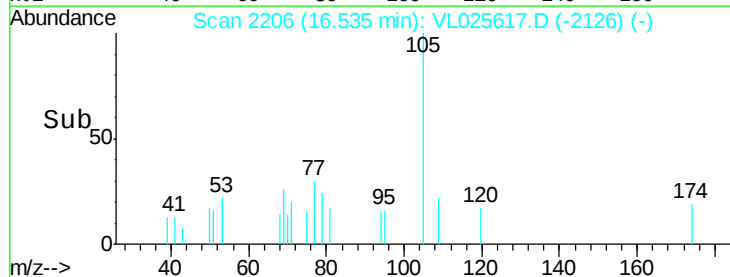
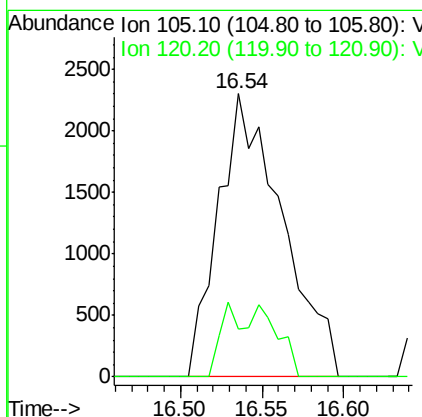
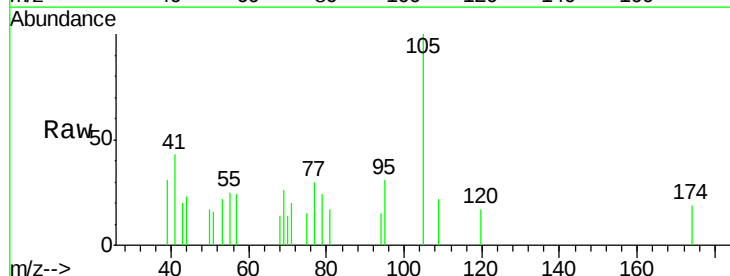
Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-070115DL

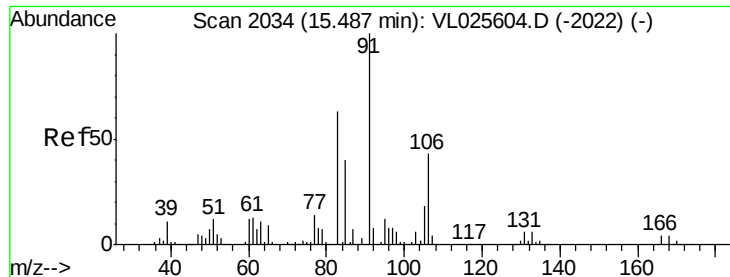
Tgt Ion: 91 Resp: 2487
Ion Ratio Lower Upper
91 100
106 36.7 22.1 66.1



#62
Isopropylbenzene
Concen: 0.01 ppbv
RT: 16.54 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

Tgt Ion: 105 Resp: 6254
Ion Ratio Lower Upper
105 100
120 20.2 20.6 31.0#

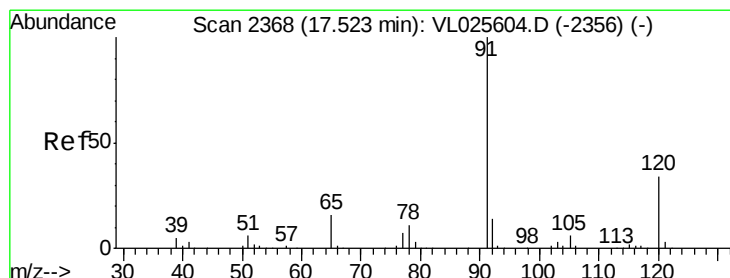
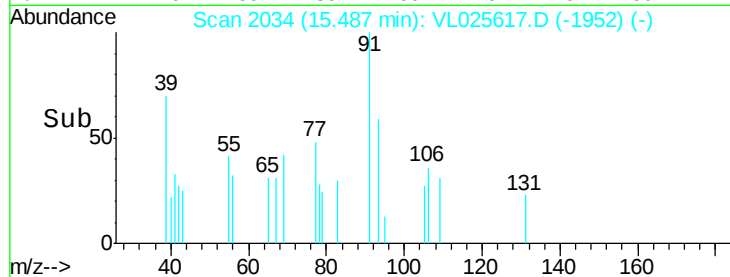
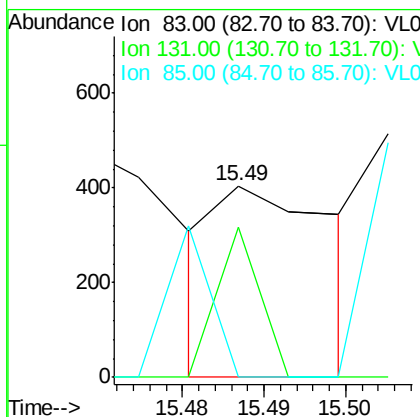
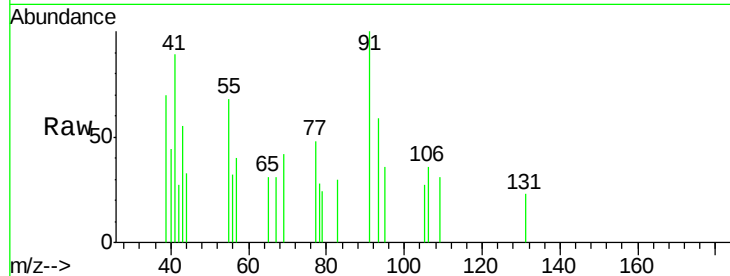




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.00 ppbv
 RT: 15.49 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

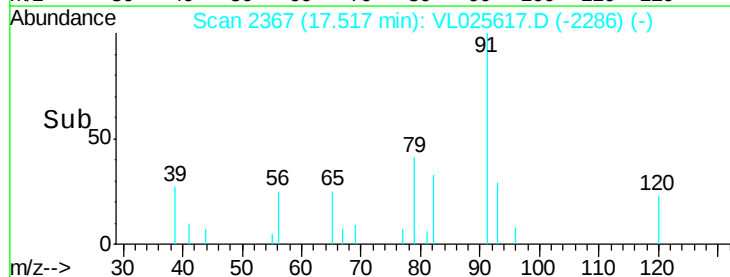
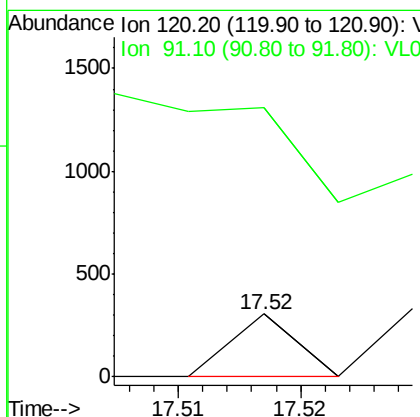
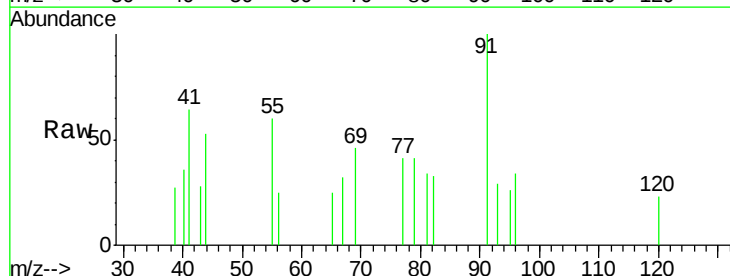
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

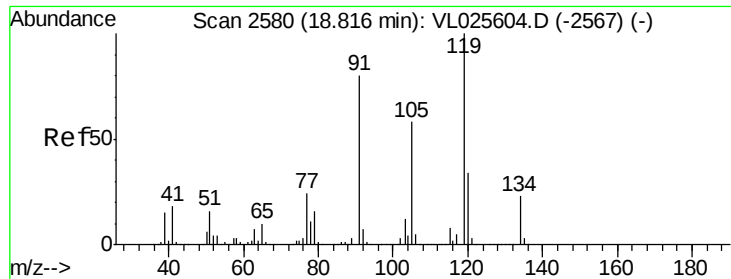
Tgt Ion: 83 Resp: 402
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.8 14.4#
 85 0.0 32.4 97.2#



#64
 n-propylbenzene
 Concen: 0.00 ppbv
 RT: 17.52 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 120 Resp: 112
 Ion Ratio Lower Upper
 120 100
 91 4156.3 370.5 555.7#

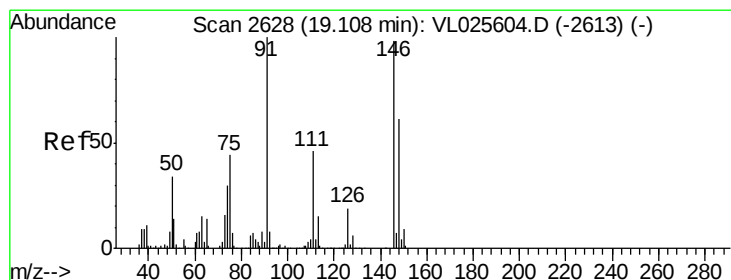
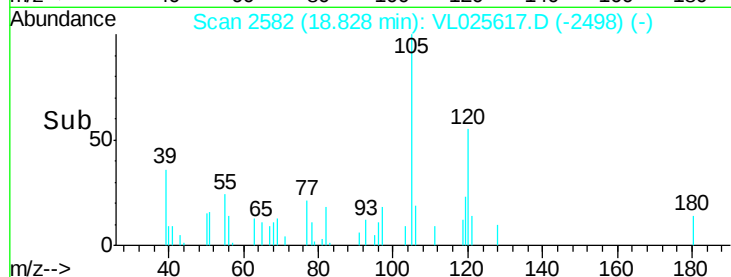
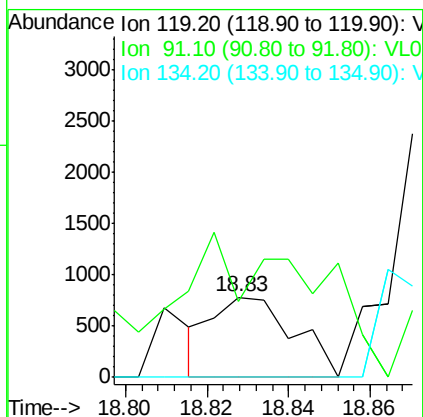
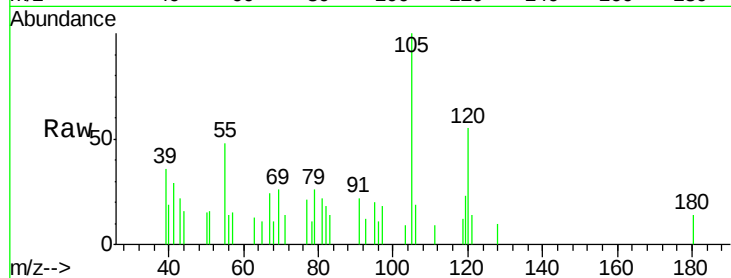




#65
 tert-Butylbenzene
 Concen: 0.00 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. 0.01 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

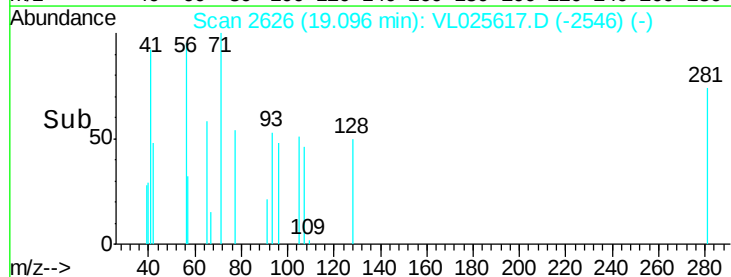
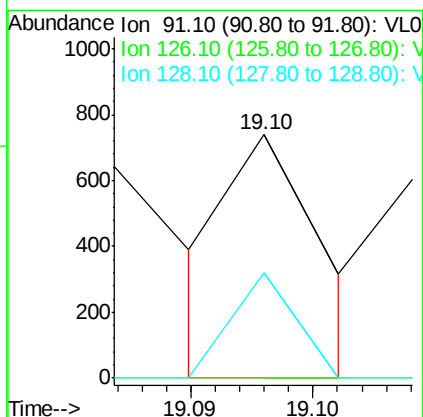
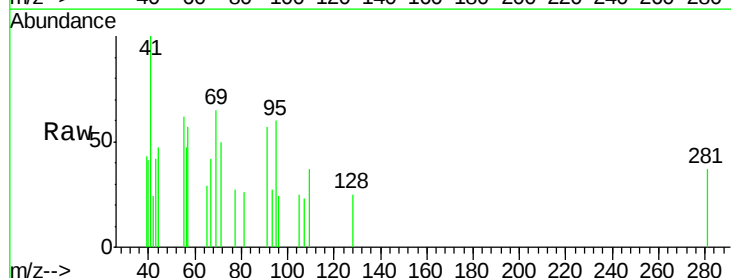
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

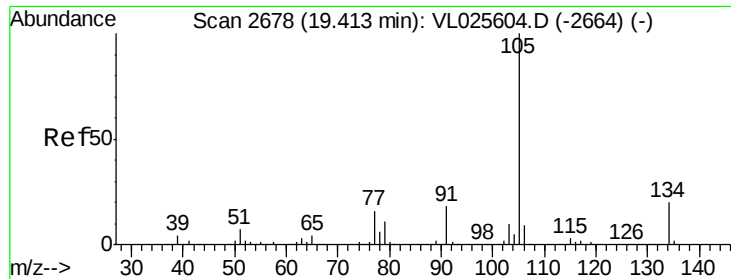
Tgt Ion: 119 Resp: 1082
 Ion Ratio Lower Upper
 119 100
 91 235.4 64.5 96.7#
 134 0.0 17.4 26.0#



#66
 Benzyl Chloride
 Concen: 0.00 ppbv
 RT: 19.10 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 91 Resp: 386
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.5 21.7#
 128 30.6 4.6 7.0#

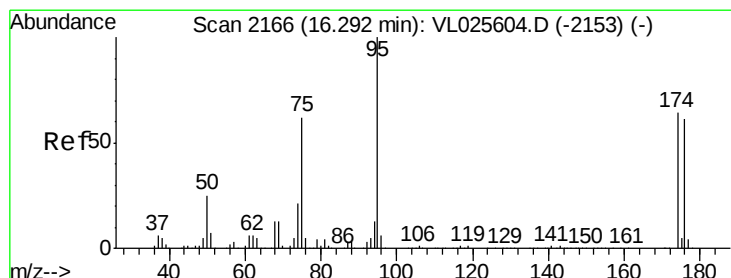
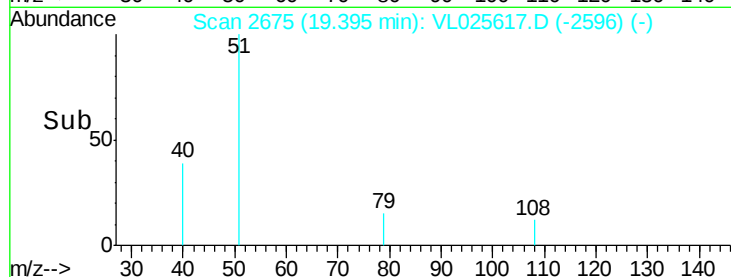
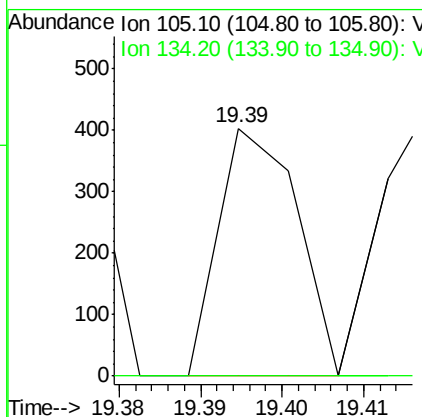
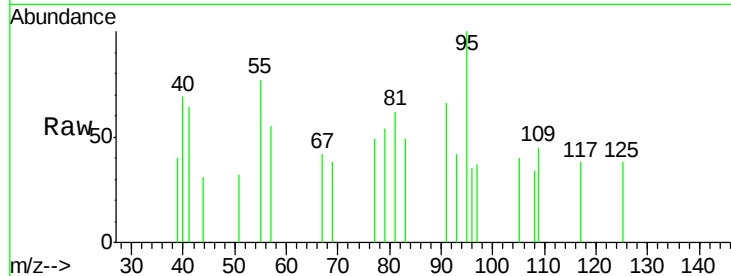




#67
 sec-Butylbenzene
 Concen: 0.00 ppbv
 RT: 19.39 min Scan# 2675
 Delta R.T. -0.02 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

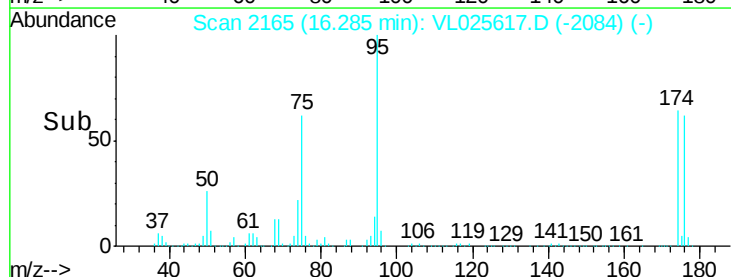
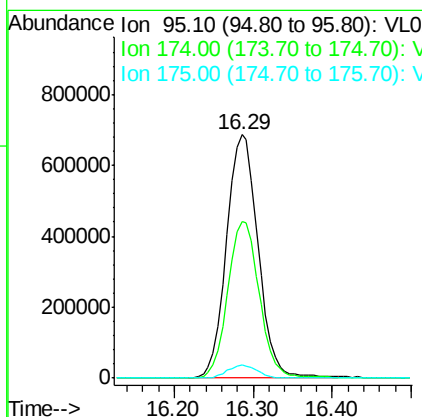
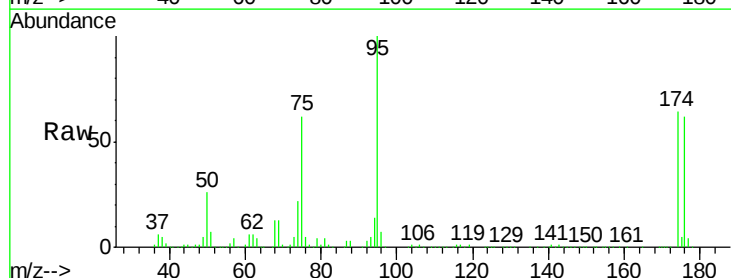
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

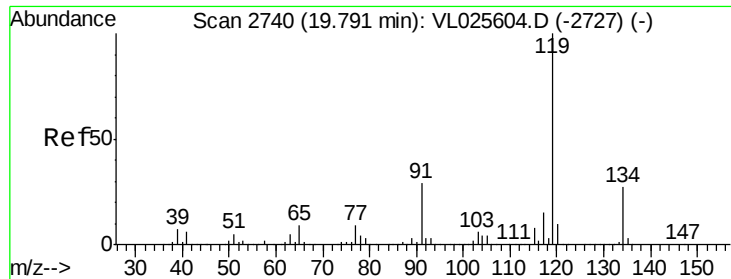
Tgt Ion: 105 Resp: 270
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.47 ppbv
 RT: 16.29 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 95 Resp: 1911395
 Ion Ratio Lower Upper
 95 100
 174 64.9 52.0 78.0
 175 5.1 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.00 ppbv

RT: 19.79 min Scan# 2740

Delta R.T. -0.00 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

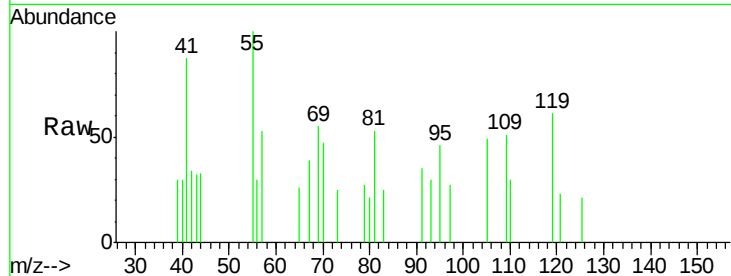
Tgt Ion: 119 Resp: 1486

Ion Ratio Lower Upper

119 100

134 0.0 20.7 31.1#

91 0.0 22.6 34.0#

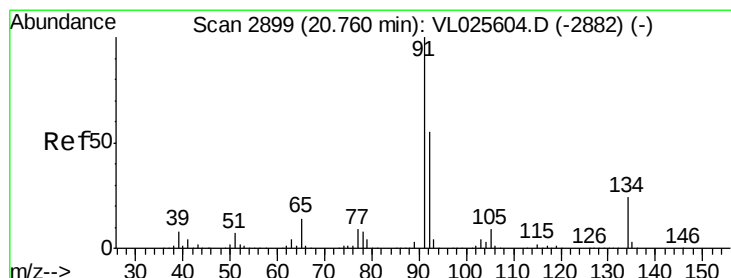
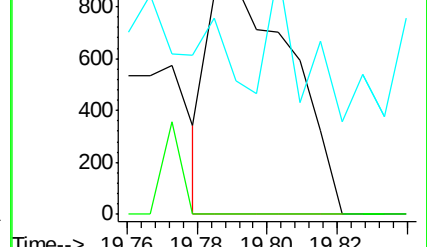
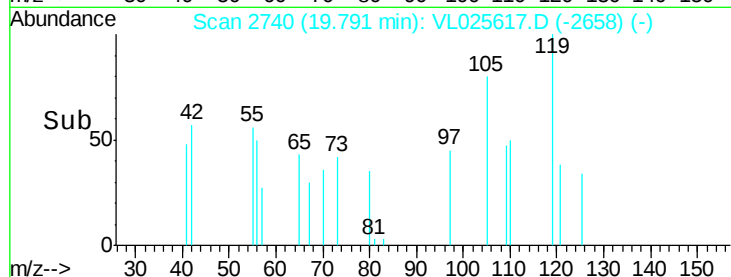


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V

Time-->



#70

n-Butylbenzene

Concen: 0.00 ppbv

RT: 20.75 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

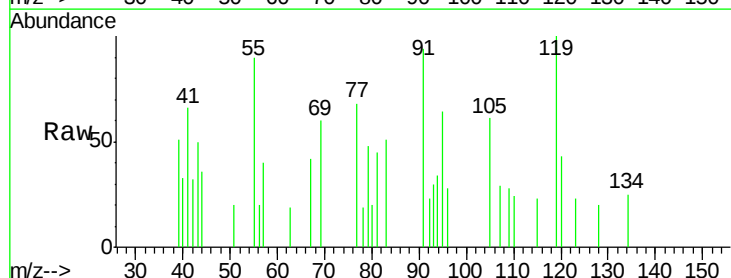
Tgt Ion: 91 Resp: 1008

Ion Ratio Lower Upper

91 100

92 0.0 44.3 66.5#

134 0.0 19.4 29.2#

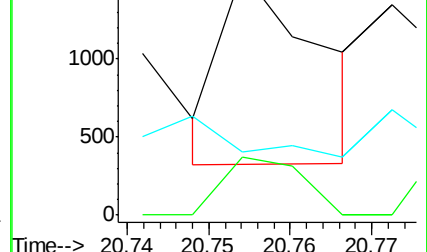
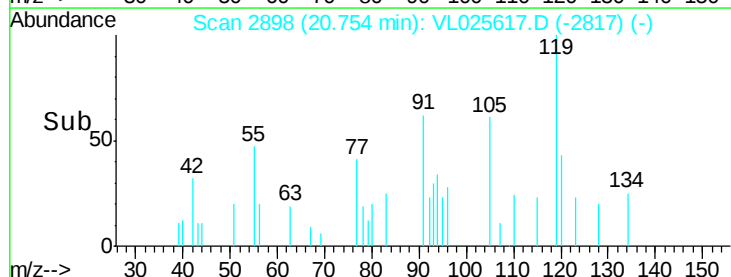


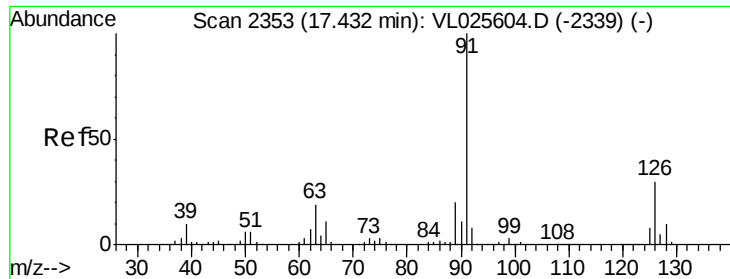
Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

Time-->

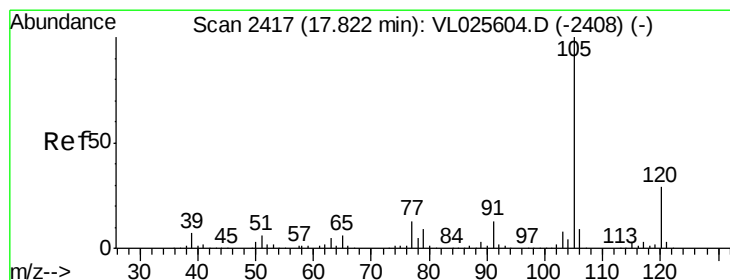
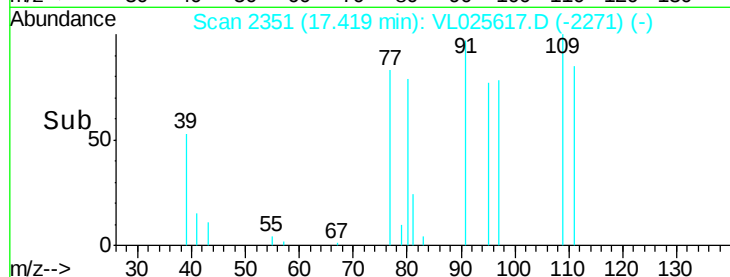
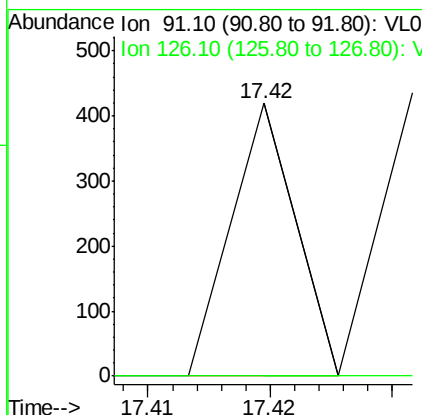
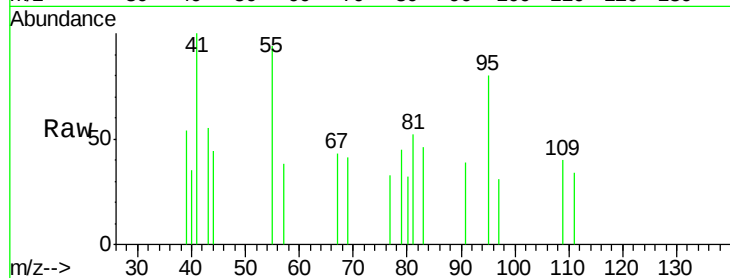




#71
 2-Chlorotoluene
 Concen: 0.00 ppbv
 RT: 17.42 min Scan# 2351
 Delta R.T. -0.01 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

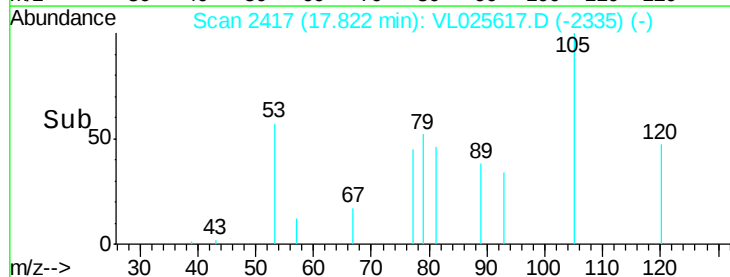
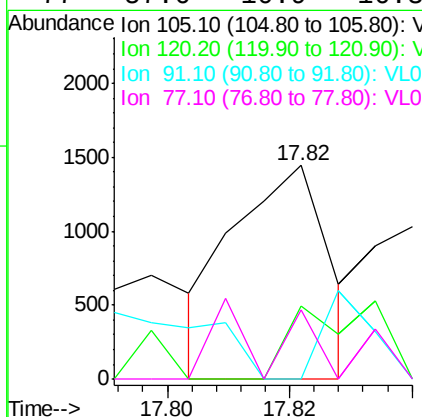
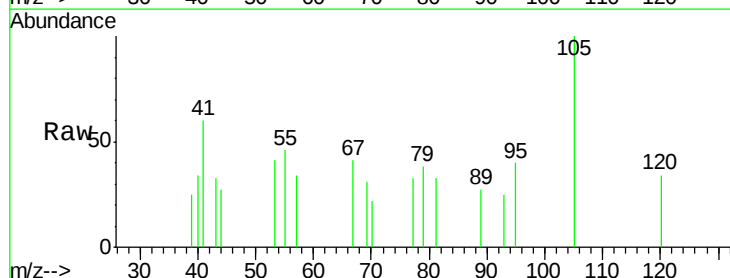
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

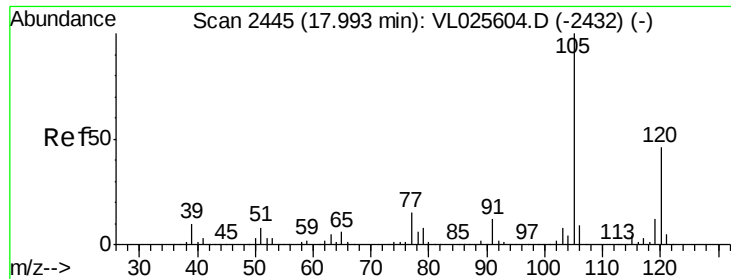
Tgt Ion: 91 Resp: 153
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.2 49.0#



#72
 4-Ethyltoluene
 Concen: 0.00 ppbv
 RT: 17.82 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 105 Resp: 1566
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.9 35.9#
 91 0.0 10.3 15.5#
 77 57.6 10.9 16.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.01 ppbv

RT: 17.99 min Scan# 2445

Delta R.T. -0.00 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

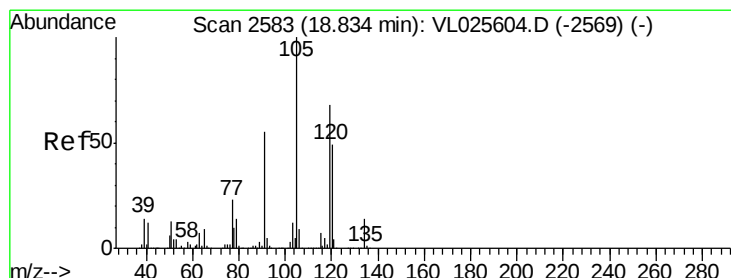
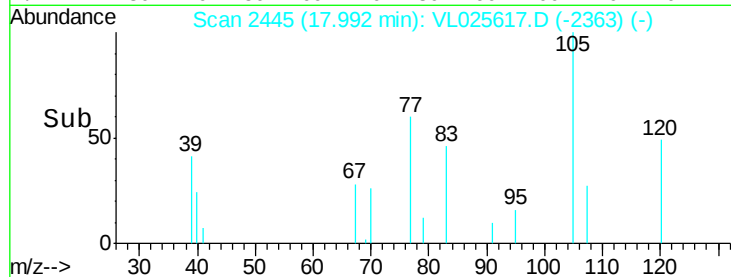
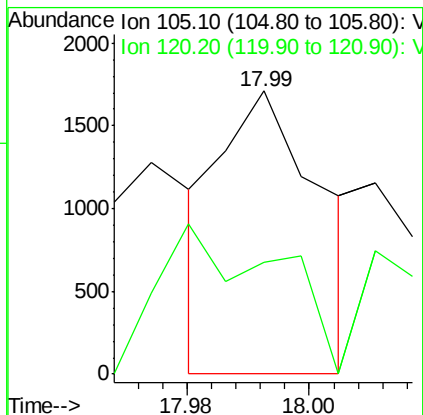
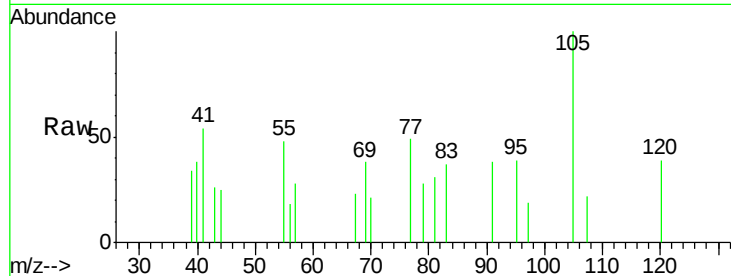
DIN46-EFFLUENT-070115DL

Tgt Ion:105 Resp: 1948

Ion Ratio Lower Upper

105 100

120 106.8 37.0 55.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.03 ppbv

RT: 18.85 min Scan# 2585

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Tgt Ion:105 Resp: 11841

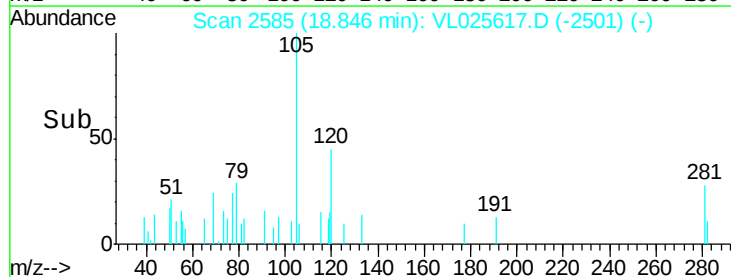
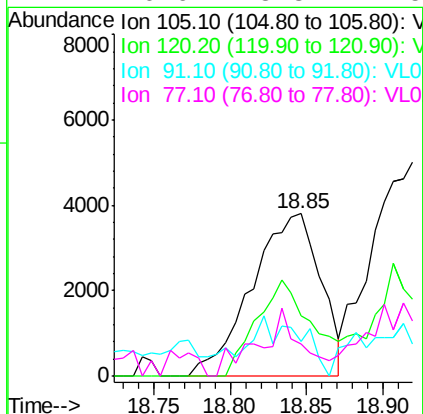
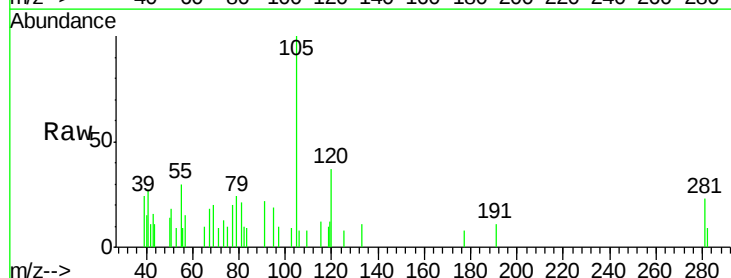
Ion Ratio Lower Upper

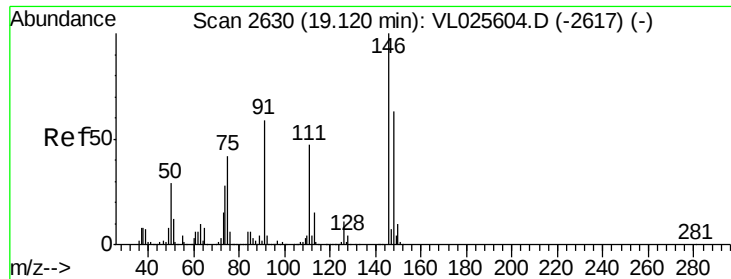
105 100

120 37.2 39.3 58.9#

91 4.5 43.8 65.6#

77 6.6 18.3 27.5#





#75

1,3-Dichlorobenzene

Concen: 0.01 ppbv

RT: 18.91 min Scan# 2595

Delta R.T. -0.21 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

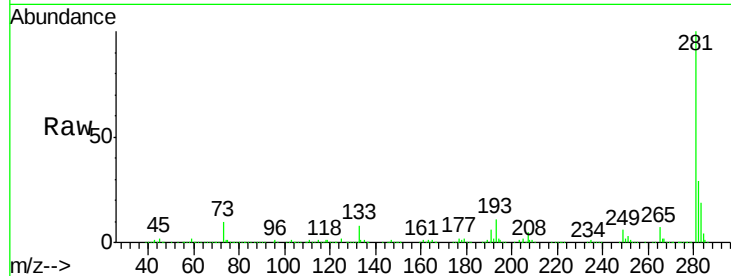
Tgt Ion:146 Resp: 2087

Ion Ratio Lower Upper

146 100

111 760.2 22.7 68.1#

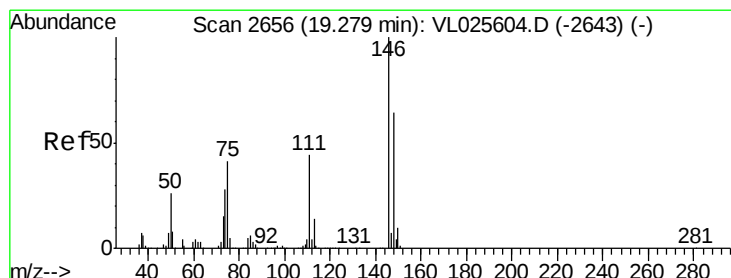
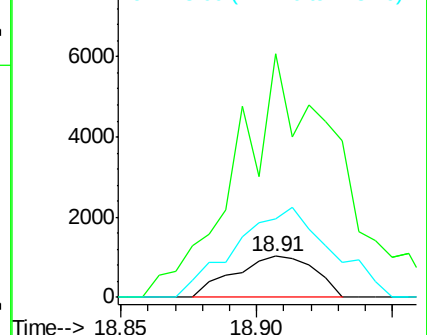
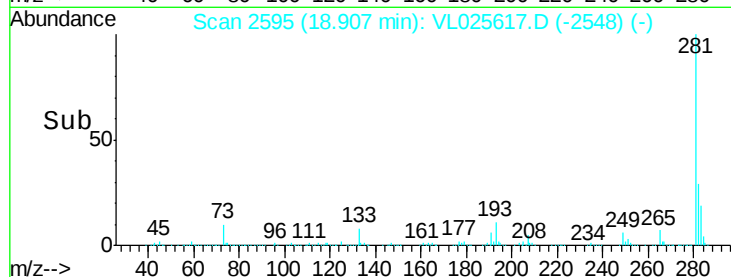
148 261.9 31.8 95.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.01 ppbv

RT: 18.91 min Scan# 2595

Delta R.T. -0.37 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

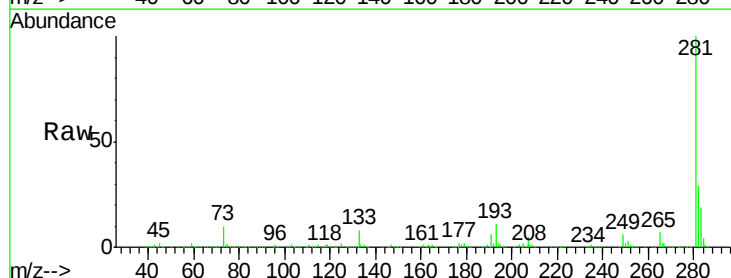
Tgt Ion:146 Resp: 2087

Ion Ratio Lower Upper

146 100

111 765.6 22.1 66.1#

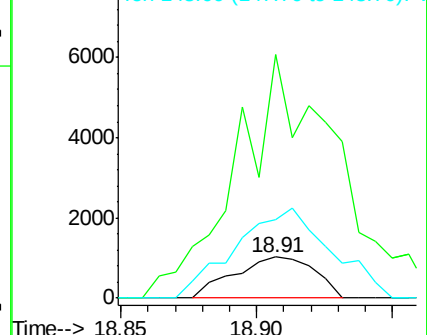
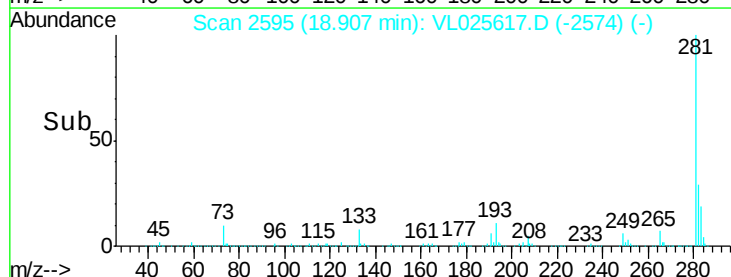
148 261.9 31.9 95.9#

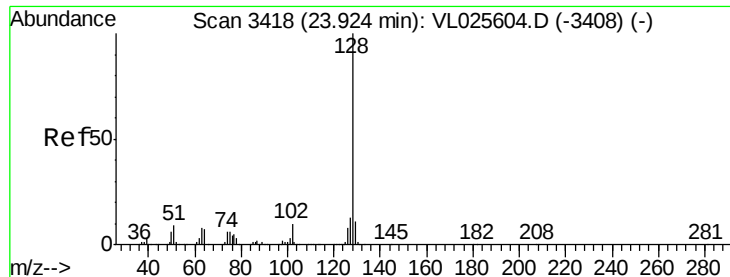


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.01 ppbv

RT: 23.93 min Scan# 3419

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

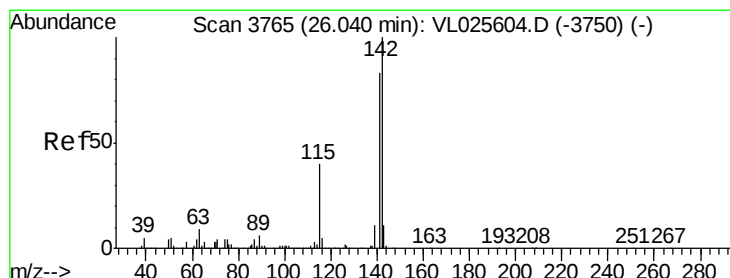
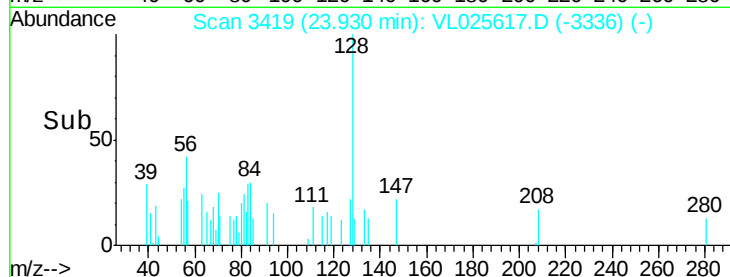
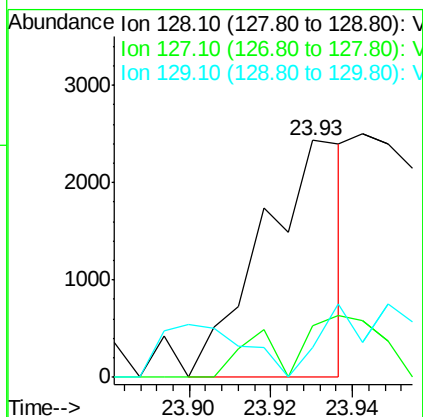
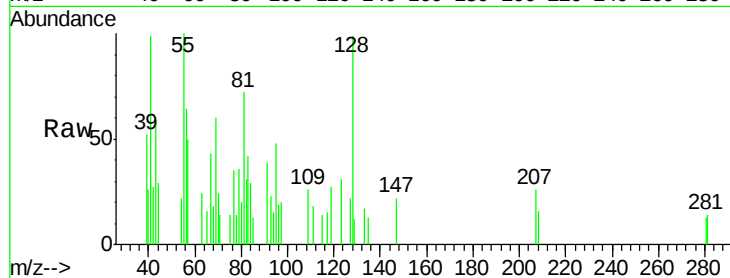
Tgt Ion:128 Resp: 3403

Ion Ratio Lower Upper

128 100

127 21.9 10.8 16.2#

129 0.0 9.0 13.4#



#80

Naphthalene, 2-methyl-

Concen: 0.02 ppbv

RT: 26.07 min Scan# 3770

Delta R.T. 0.03 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

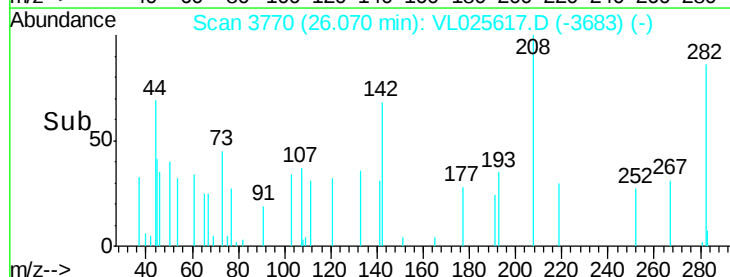
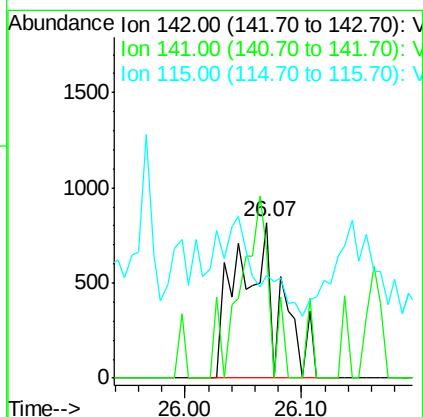
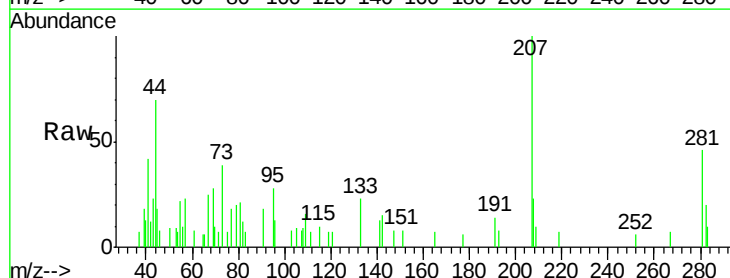
Tgt Ion:142 Resp: 2035

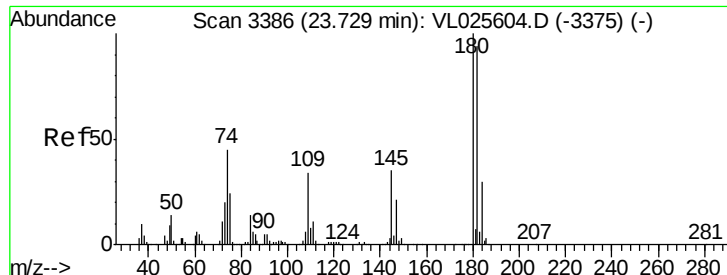
Ion Ratio Lower Upper

142 100

141 82.0 67.1 100.7

115 130.2 33.9 50.9#





#81

1,2,4-Trichlorobenzene

Concen: 0.00 ppbv

RT: 23.74 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VL025617.D

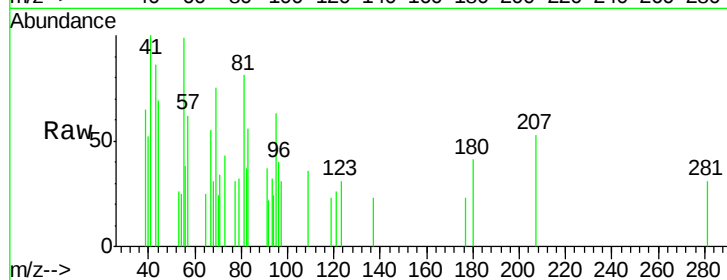
Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL



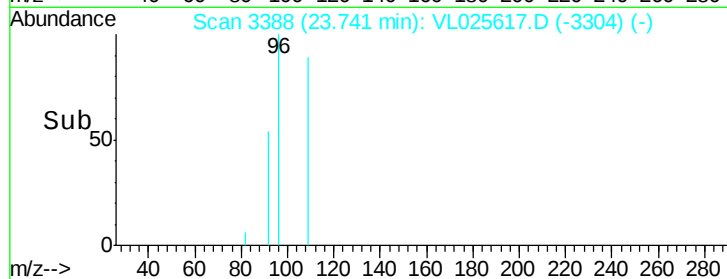
Tgt Ion:180 Resp: 545

Ion Ratio Lower Upper

180 100

182 54.7 76.1 114.1#

184 0.0 24.4 36.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

