

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026658.D
 Acq On : 9 Jan 2016 3:16
 Operator : SY/AP
 Sample : G4825-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-LOD

Quant Time: Jan 12 02:00:54 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	731888	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2288818	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	3035402	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	2521006	10.42	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	96013	0.49	ppbv	99
3) Chlorodifluoromethane	3.56	51	47203	0.48	ppbv	99
4) Chloromethane	3.74	50	18915	0.40	ppbv	97
5) Vinyl Chloride	3.88	62	22327	0.39	ppbv	91
6) Bromomethane	4.13	94	18852	0.46	ppbv	93
7) Chloroethane	4.23	64	11029	0.47	ppbv #	88
8) Dichlorotetrafluoroethane	3.79	85	72731	0.48	ppbv	97
9) Propene	3.59	41	11804	0.34	ppbv	92
10) Heptane	9.33	43	47026	0.36	ppbv	88
11) Trichlorofluoromethane	4.68	101	99964	0.50	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	5.29	101	56990	0.46	ppbv	97
13) Ethanol	4.34	45	1184	0.18	ppbv #	34
14) Bromoethene	4.43	108	18204	0.41	ppbv	98
15) Acetone	4.61	43	64715	0.54	ppbv #	54
16) 1,3-Butadiene	3.96	39	21939	0.46	ppbv	92
17) tert-Butyl alcohol	5.15	59	26208	0.29	ppbv	95
18) 1,1-Dichloroethene	5.07	96	23815	0.46	ppbv	96
19) Isopropyl Alcohol	4.78	45	15309	0.31	ppbv #	96
20) Methylene Chloride	5.14	84	24308	0.49	ppbv	95
21) Allyl Chloride	5.21	41	29034	0.39	ppbv #	81
22) trans-1,2-Dichloroethene	5.75	96	23461	0.40	ppbv	97
23) Vinyl Acetate	5.97	43	65794	0.36	ppbv #	92
24) 1,1-Dichloroethane	5.89	63	57736	0.43	ppbv	98
25) Ethyl Acetate	6.67	43	68814	0.37	ppbv	97
26) Hexane	6.64	57	35425	0.37	ppbv	94
27) Carbon Disulfide	5.37	76	57373	0.40	ppbv #	86
28) Methyl tert-Butyl Ether	5.96	73	69561	0.36	ppbv	98
29) Chloroform	6.73	83	79331	0.45	ppbv	89
30) Cyclohexane	8.26	84	35444	0.37	ppbv #	31
31) cis-1,2-Dichloroethene	6.49	61	33591	0.35	ppbv	89
32) 1,1,1-Trichloroethane	7.57	97	80643	0.41	ppbv	97
35) Carbon Tetrachloride	8.13	117	76181	0.38	ppbv #	96
36) Benzene	8.00	78	78886	0.33	ppbv	97
37) 1,2-Dichloroethane	7.35	62	66009	0.41	ppbv	99
38) Trichloroethene	9.04	130	40536	0.39	ppbv #	84
39) 1,2-Dichloropropane	8.80	63	32921	0.40	ppbv	96
40) 1,4-Dioxane	9.17	88	4313	0.23	ppbv #	1
41) Tetrahydrofuran	7.15	42	17899	0.30	ppbv	96
42) Bromodichloromethane	9.00	83	81086	0.39	ppbv	92
43) Methyl Methacrylate	9.25	69	24776	0.29	ppbv	93
44) 2,2,4-Trimethylpentane	9.07	57	131787	0.35	ppbv	96

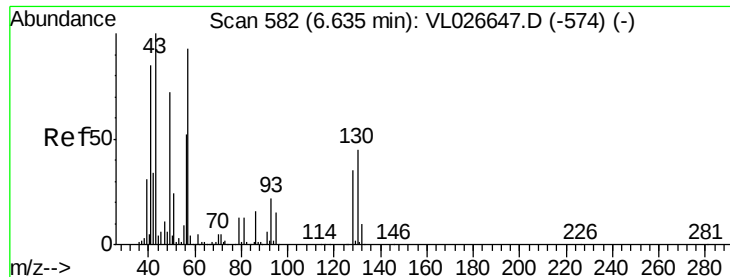
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026658.D
 Acq On : 9 Jan 2016 3:16
 Operator : SY/AP
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 MSVOA_L
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 AIR-LOD

Quant Time: Jan 12 02:00:54 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	10.63	75	37375	0.27	ppbv	99
46) cis-1,3-Dichloropropene	10.00	75	46593	0.29	ppbv	89
47) 1,1,2-Trichloroethane	10.85	97	46752	0.40	ppbv	92
48) Dibromochloromethane	11.78	129	65824	0.38	ppbv	100
49) Bromoform	14.78	173	52071	0.37	ppbv	99
50) 4-Methyl-2-Pentanone	10.09	43	47936	0.28	ppbv	96
51) 2-Hexanone	11.62	43	39982	0.25	ppbv #	93
52) Tetrachloroethene	12.76	164	46222	0.39	ppbv	94
53) Toluene	11.21	91	110360	0.33	ppbv	93
54) 1,2-Dibromoethane	12.12	107	71800	0.39	ppbv	91
56) 1,1,1,2-Tetrachloroethane	13.76	131	61707	0.44	ppbv #	1
57) Chlorobenzene	13.79	112	144962	0.46	ppbv	96
58) Ethyl Benzene	14.39	91	181301	0.33	ppbv	92
59) m/p-Xylene	14.69	91	345828	0.77	ppbv	100
60) o-Xylene	15.46	91	204481	0.42	ppbv	100
61) Styrene	15.29	104	57571	0.31	ppbv	98
62) Isopropylbenzene	16.52	105	255898	0.40	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.45	83	156650	0.44	ppbv	99
64) n-propylbenzene	17.50	120	66402	0.39	ppbv	90
65) tert-Butylbenzene	18.79	119	247807	0.42	ppbv	95
66) Benzyl Chloride	19.08	91	66741	0.32	ppbv	98
67) sec-Butylbenzene	19.38	105	359459	0.41	ppbv	99
69) p-Isopropyltoluene	19.77	119	236566	0.36	ppbv	98
70) n-Butylbenzene	20.74	91	247234	0.36	ppbv	96
71) 2-Chlorotoluene	17.40	91	167815	0.34	ppbv	97
72) 4-Ethyltoluene	17.79	105	182458	0.34	ppbv	96
73) 1,3,5-Trimethylbenzene	17.96	105	192282	0.38	ppbv	94
74) 1,2,4-Trimethylbenzene	18.80	105	245399	0.45	ppbv #	91
75) 1,3-Dichlorobenzene	19.09	146	151943	0.45	ppbv	97
76) 1,4-Dichlorobenzene	19.25	146	144351	0.42	ppbv	98
77) 1,2-Dichlorobenzene	20.00	146	149416	0.44	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	57389	0.41	ppbv	97
79) Naphthalene	23.91	128	101053	0.28	ppbv	99
80) Naphthalene,2-methyl-	26.03	142	14495	0.25	ppbv #	57
81) 1,2,4-Trichlorobenzene	23.71	180	54592	0.33	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

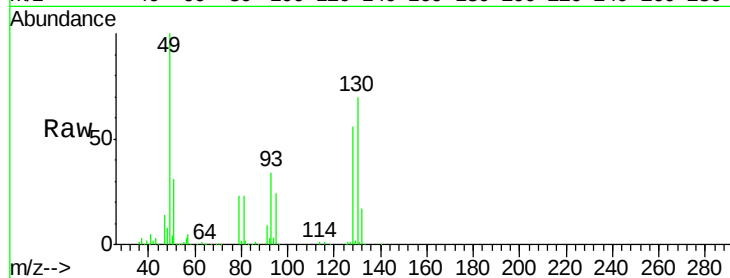
Tot Ion: 49 Resp: 731888

Ion Ratio Lower Upper

49 100

128 57.6 25.9 77.7

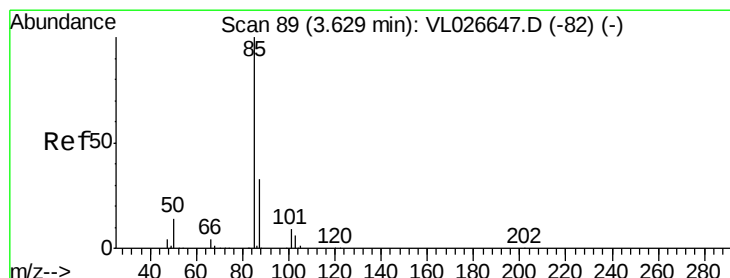
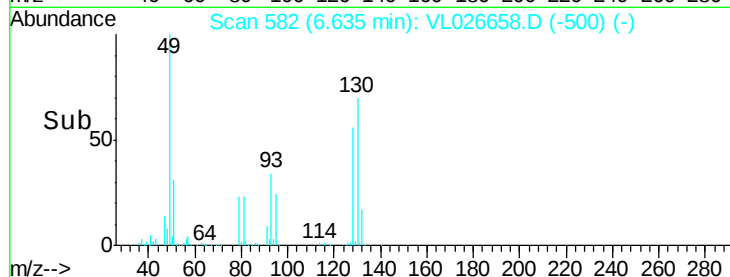
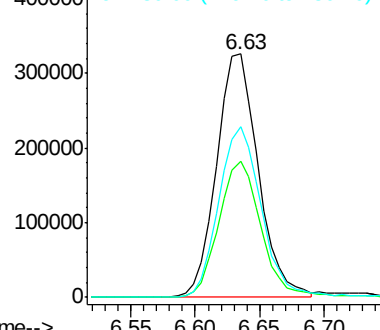
130 73.1 33.6 100.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.49 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL026658.D

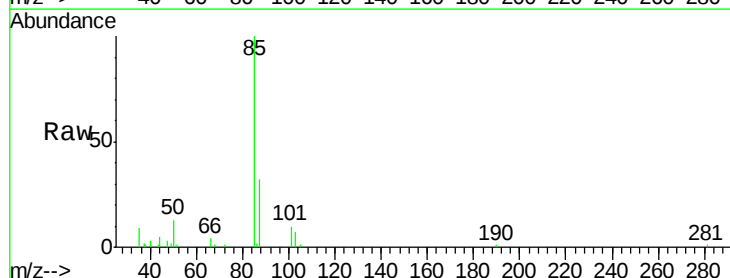
Acq: 9 Jan 2016 3:16

Tgt Ion: 85 Resp: 96013

Ion Ratio Lower Upper

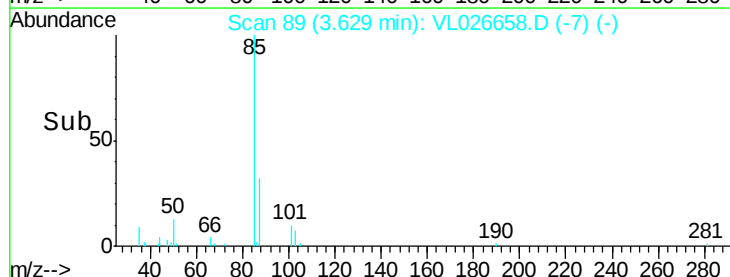
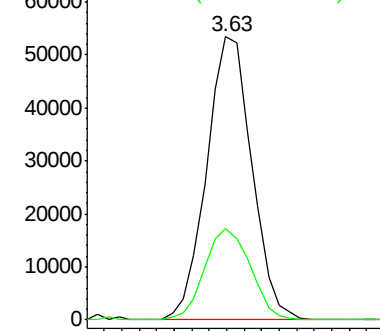
85 100

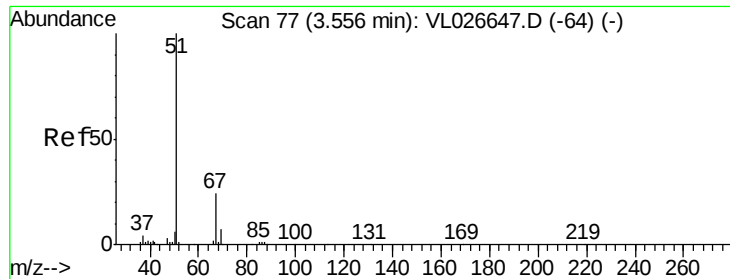
87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.48 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

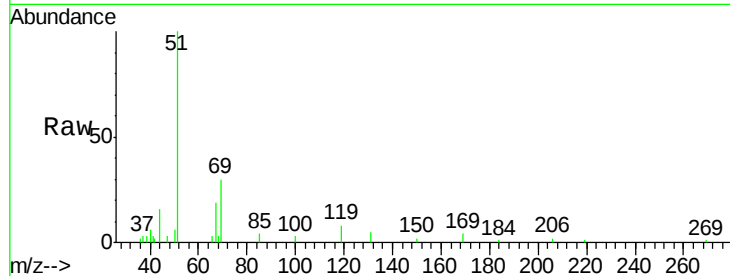
AIR-LOD

Tot Ion: 51 Resp: 47203

Ion Ratio Lower Upper

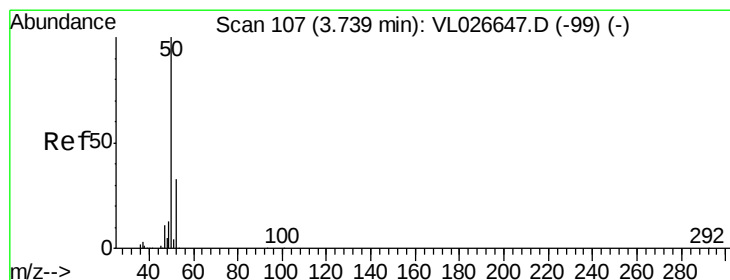
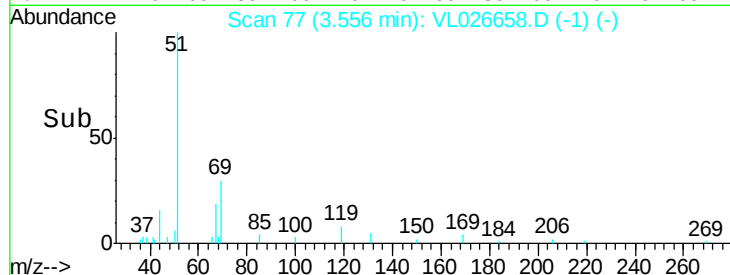
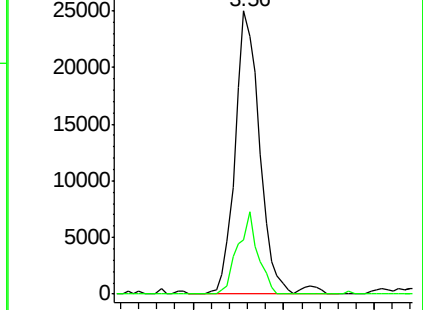
51 100

67 23.6 18.6 28.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026658.D

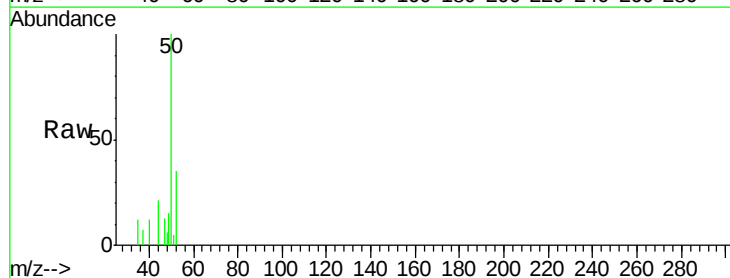
Acq: 9 Jan 2016 3:16

Tgt Ion: 50 Resp: 18915

Ion Ratio Lower Upper

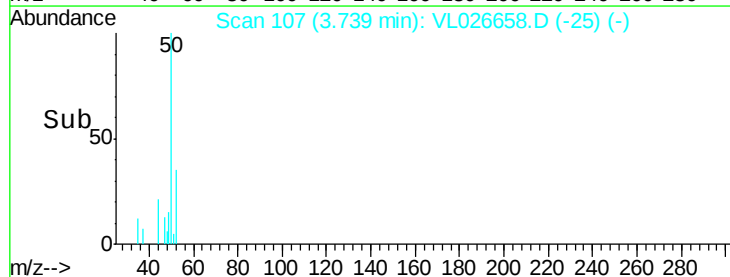
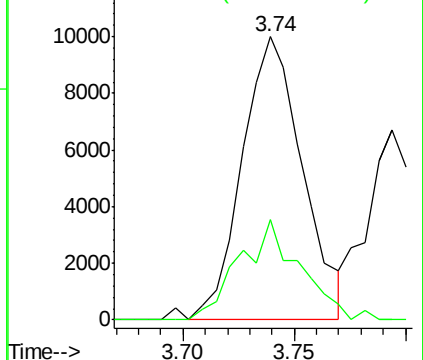
50 100

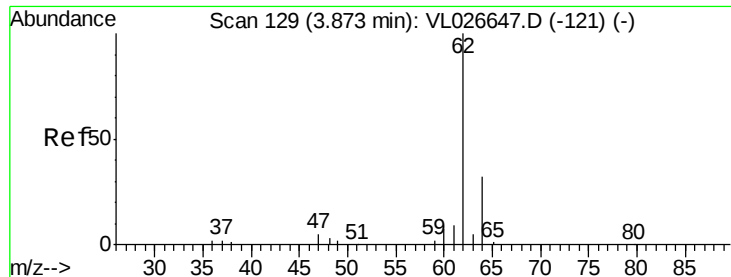
52 35.3 26.7 40.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.39 ppbv

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

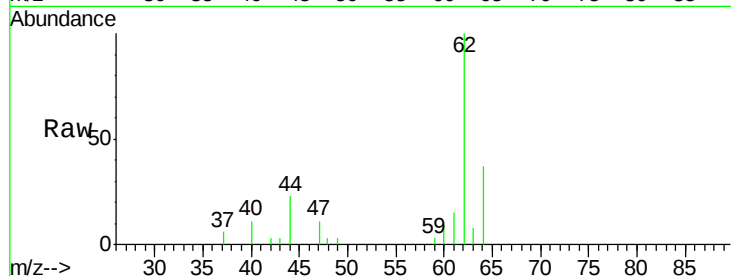
AIR-LOD

Tot Ion: 62 Resp: 22327

Ion Ratio Lower Upper

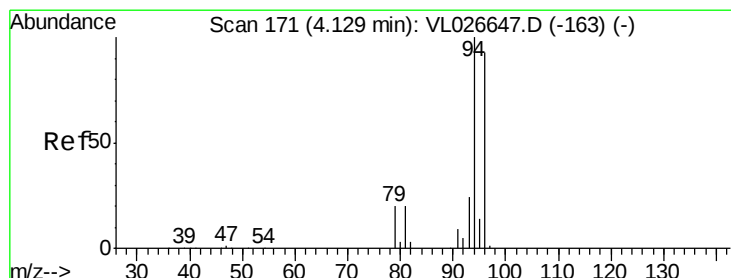
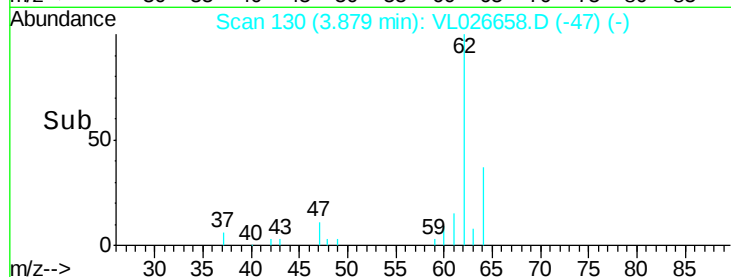
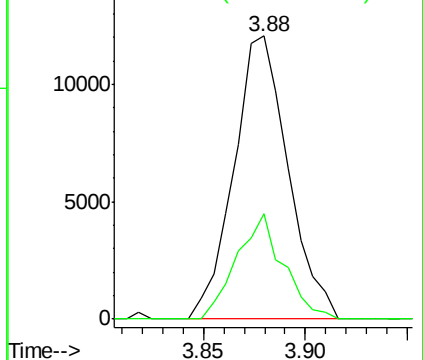
62 100

64 37.2 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.46 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026658.D

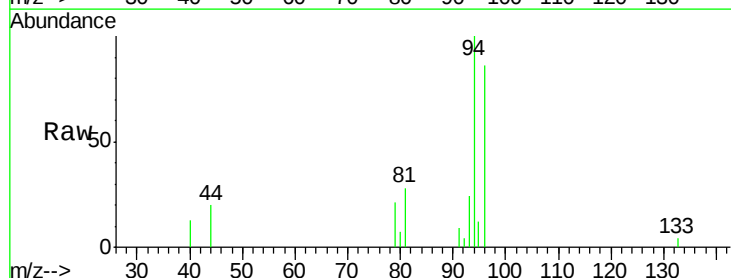
Acq: 9 Jan 2016 3:16

Tgt Ion: 94 Resp: 18852

Ion Ratio Lower Upper

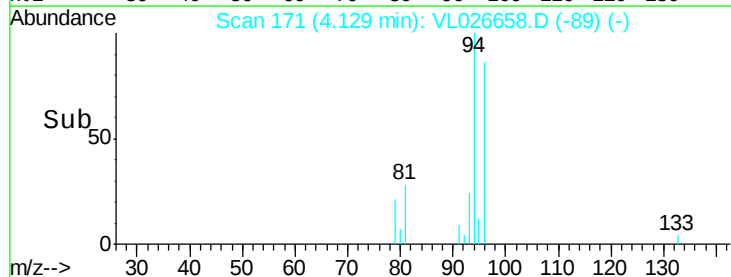
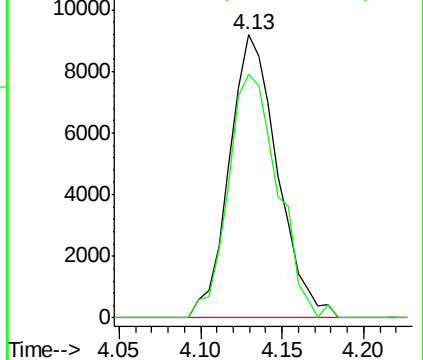
94 100

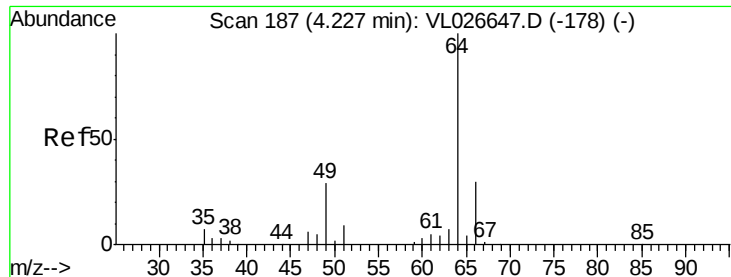
96 86.3 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.47 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

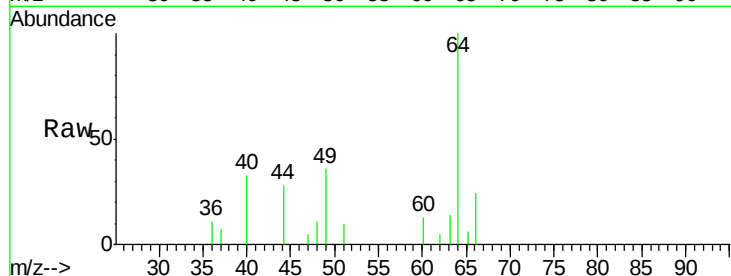
AIR-LOD

Tot Ion: 64 Resp: 11029

Ion Ratio Lower Upper

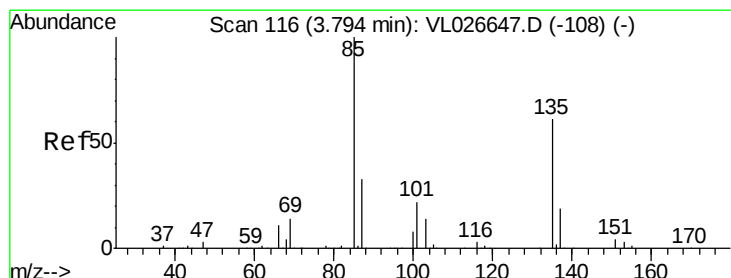
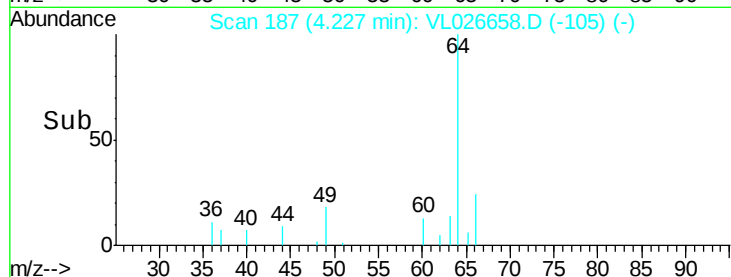
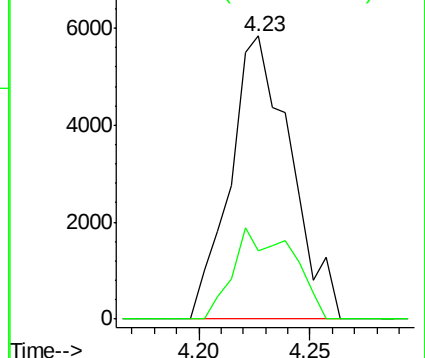
64 100

66 24.1 24.3 36.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.48 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026658.D

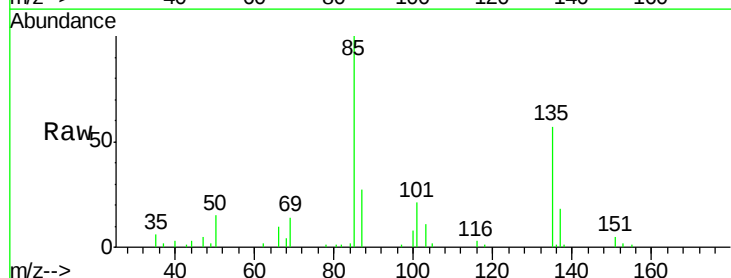
Acq: 9 Jan 2016 3:16

Tgt Ion: 85 Resp: 72731

Ion Ratio Lower Upper

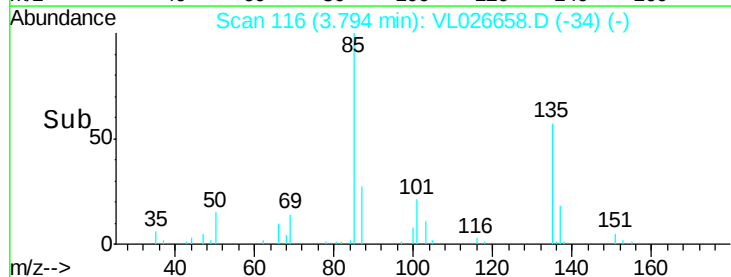
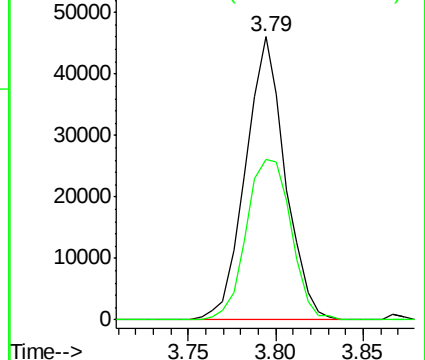
85 100

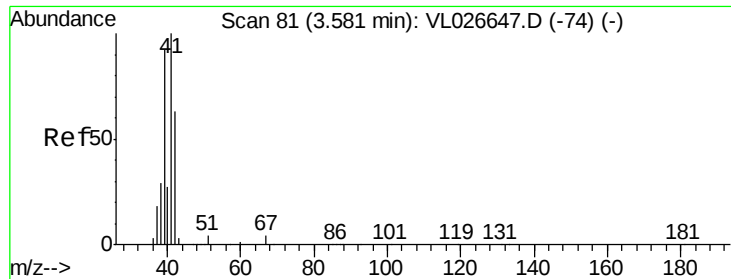
135 64.4 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.34 ppbv

RT: 3.59 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

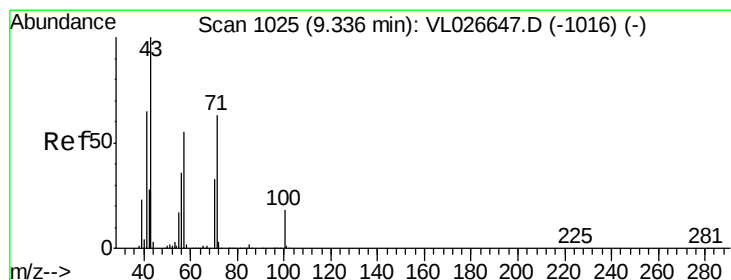
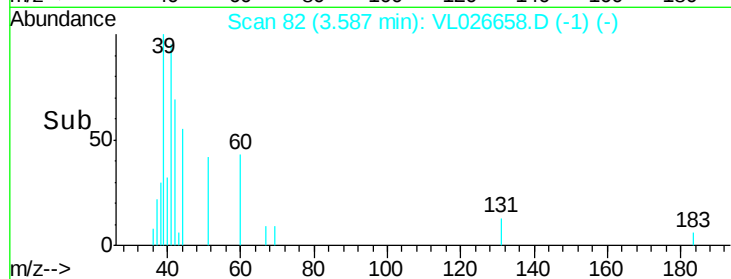
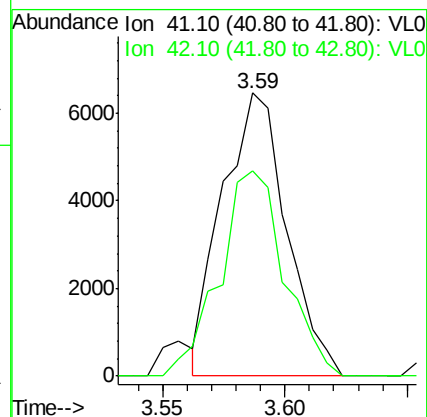
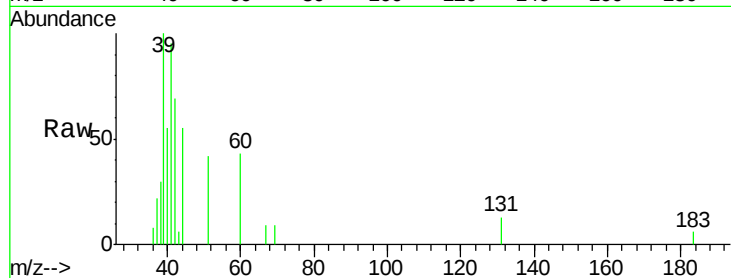
AIR-LOD

Tot Ion: 41 Resp: 11804

Ion Ratio Lower Upper

41 100

42 73.2 53.6 80.4



#10

Heptane

Concen: 0.36 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026658.D

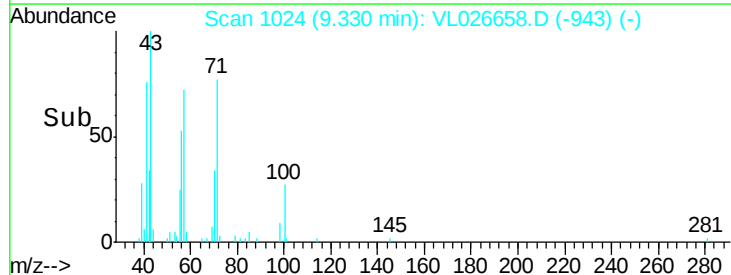
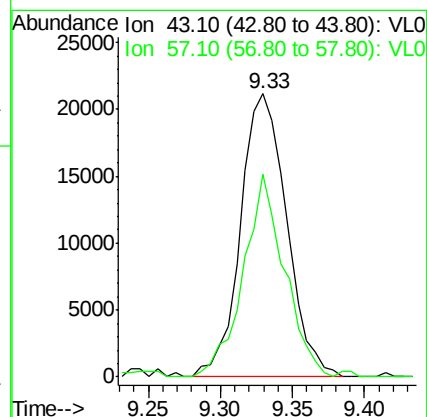
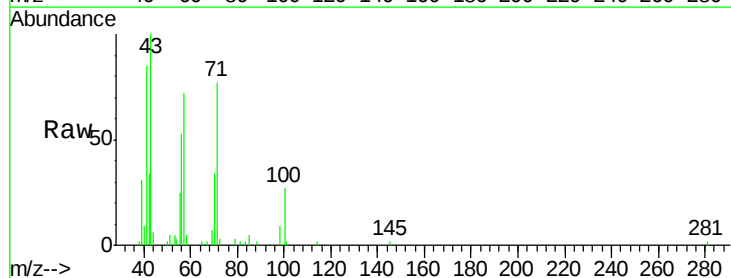
Acq: 9 Jan 2016 3:16

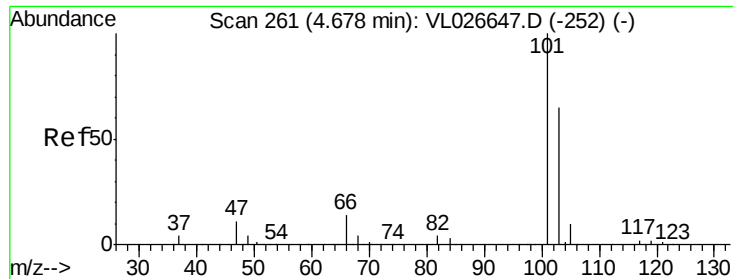
Tgt Ion: 43 Resp: 47026

Ion Ratio Lower Upper

43 100

57 66.3 45.8 68.6





#11

Trichlorofluoromethane

Concen: 0.50 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

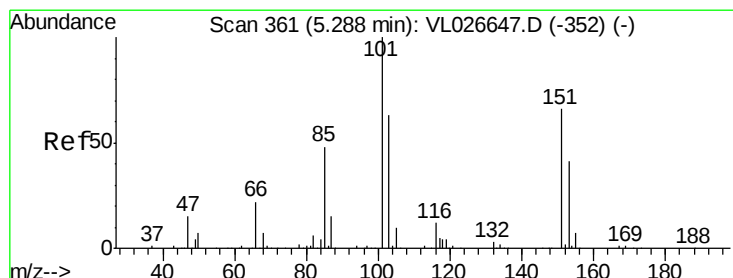
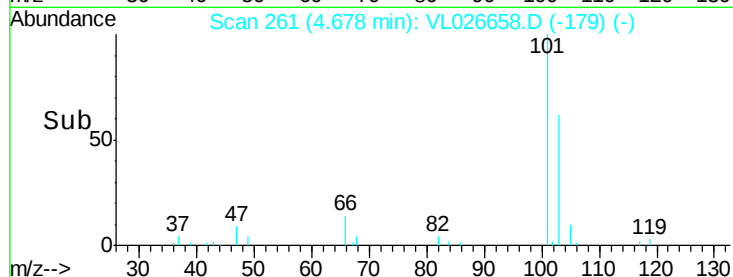
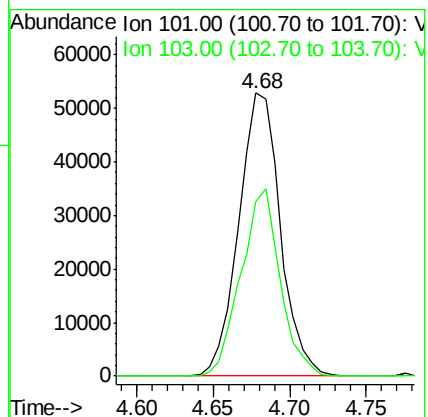
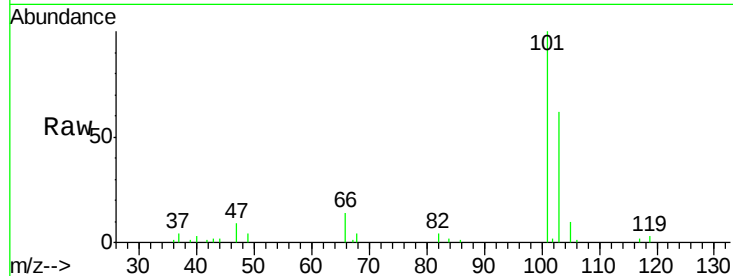
AIR-LOD

Tot Ion:101 Resp: 99964

Ion Ratio Lower Upper

101 100

103 61.6 51.7 77.5



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.46 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL026658.D

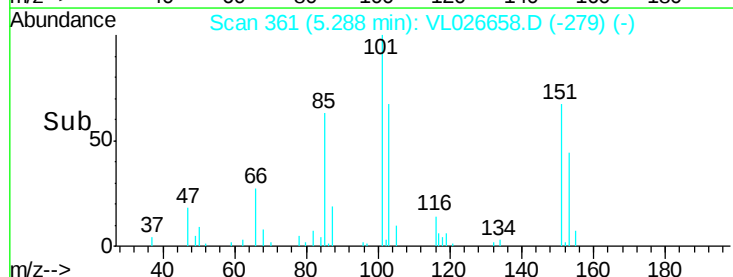
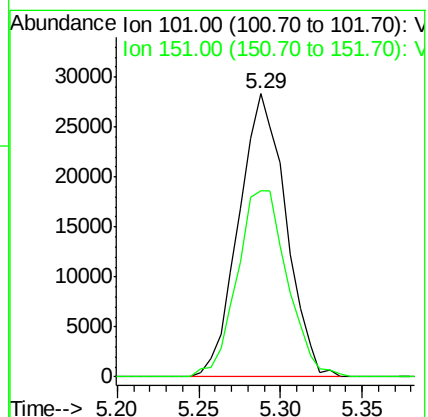
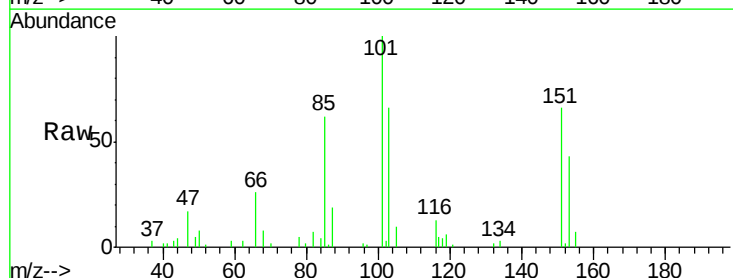
Acq: 9 Jan 2016 3:16

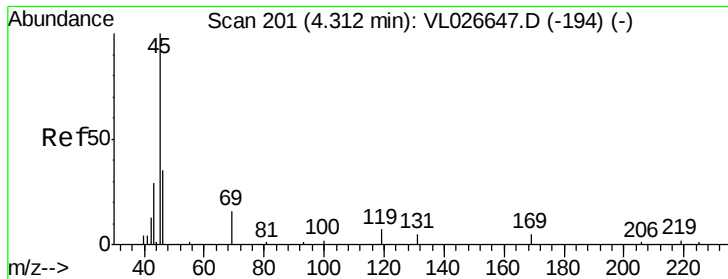
Tgt Ion:101 Resp: 56990

Ion Ratio Lower Upper

101 100

151 69.9 54.2 81.4





#13

Ethanol

Concen: 0.18 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.02 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

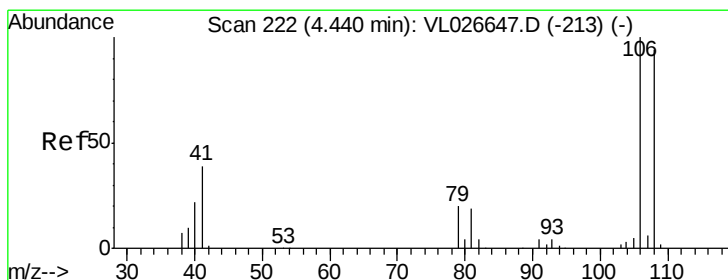
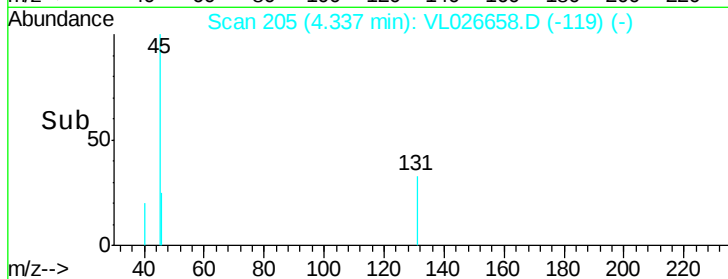
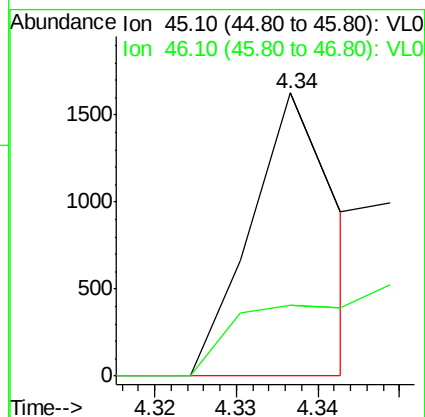
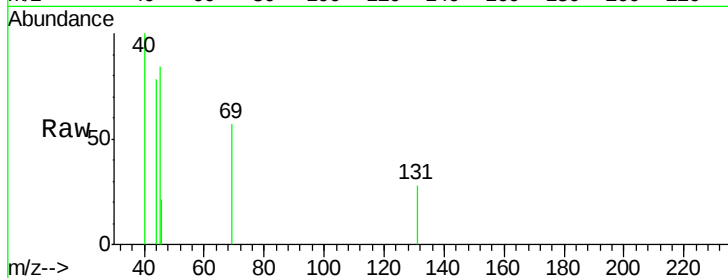
AIR-LOD

Tot Ion: 45 Resp: 1184

Ion Ratio Lower Upper

45 100

46 0.0 16.7 66.7#



#14

Bromoethene

Concen: 0.41 ppbv

RT: 4.43 min Scan# 221

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

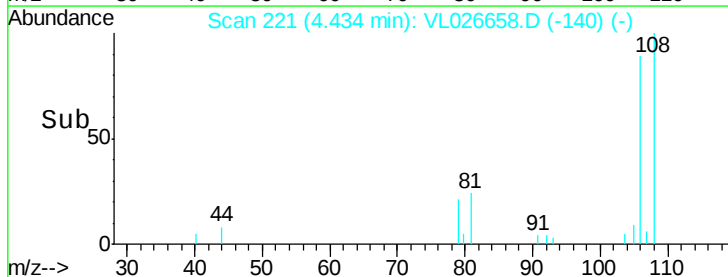
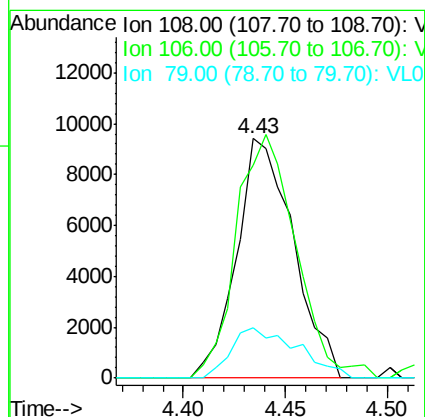
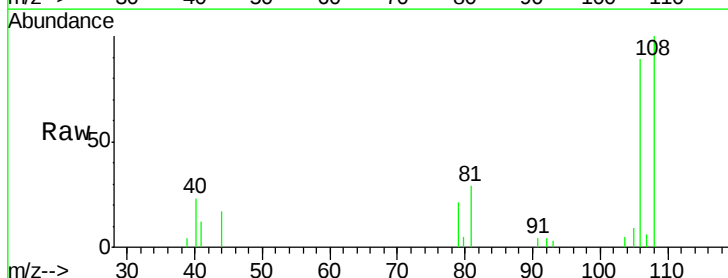
Tgt Ion: 108 Resp: 18204

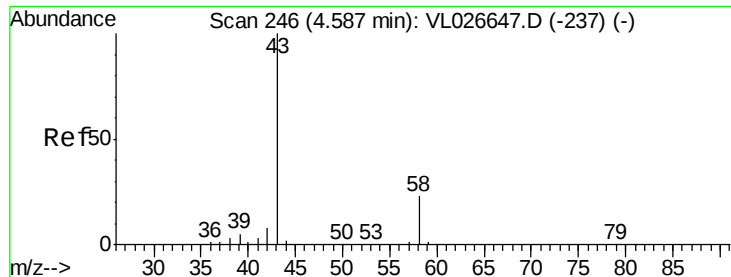
Ion Ratio Lower Upper

108 100

106 108.7 86.4 129.6

79 24.5 17.2 25.8





#15

Acetone

Concen: 0.54 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

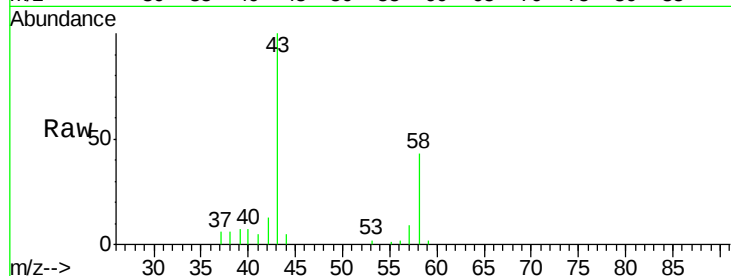
AIR-LOD

Tot Ion: 43 Resp: 64715

Ion Ratio Lower Upper

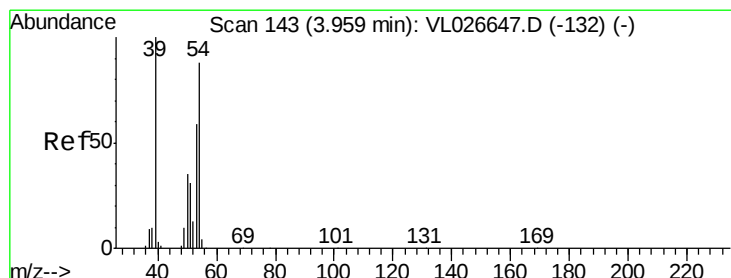
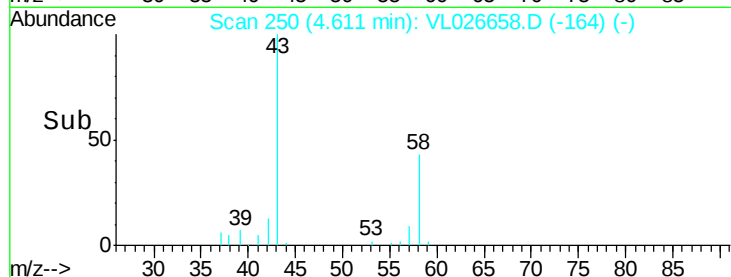
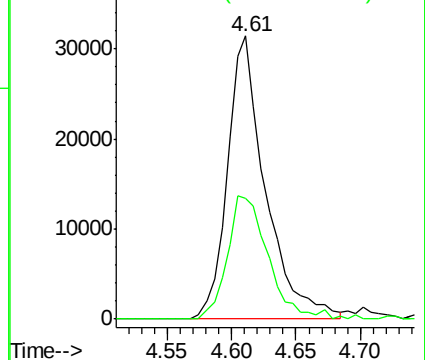
43 100

58 46.7 19.2 28.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.46 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL026658.D

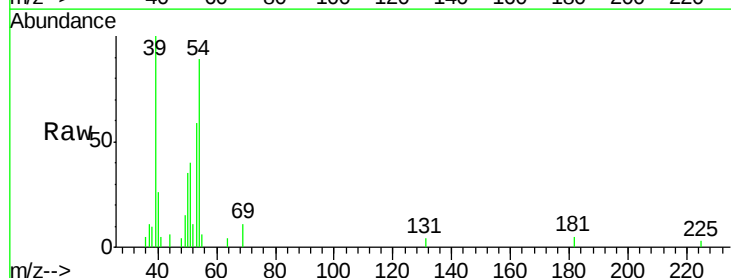
Acq: 9 Jan 2016 3:16

Tgt Ion: 39 Resp: 21939

Ion Ratio Lower Upper

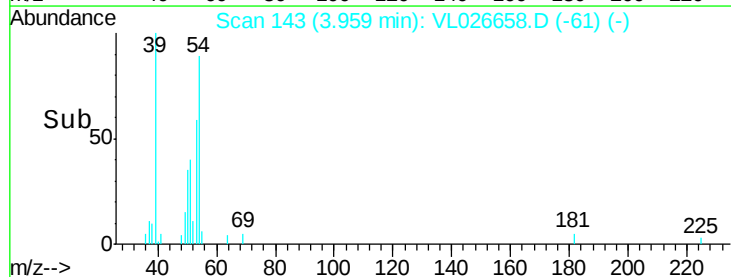
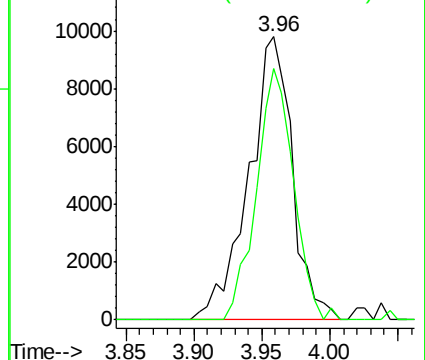
39 100

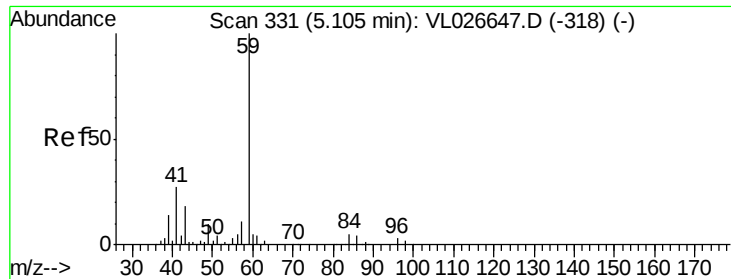
54 76.1 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



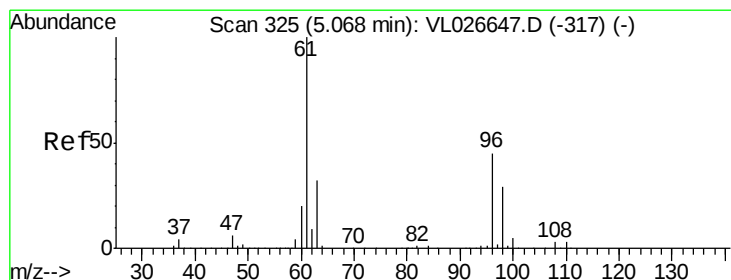
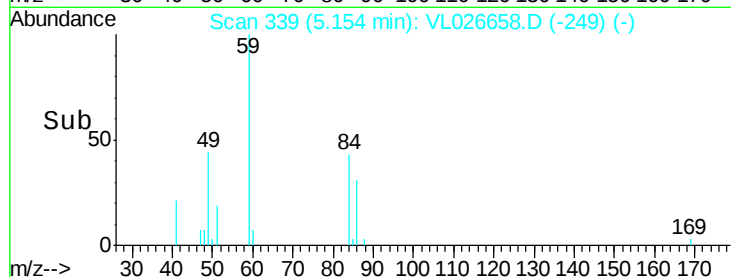
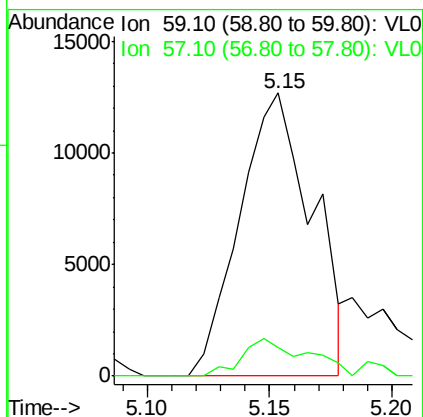
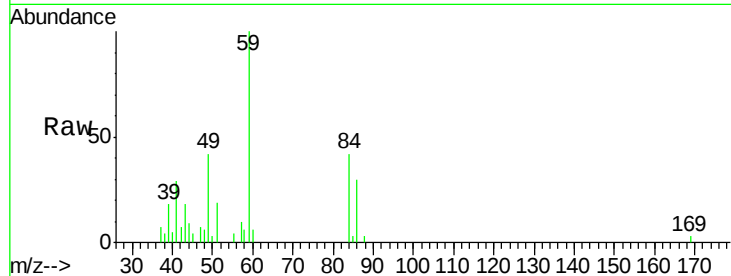


#17

tert-Butyl alcohol
Concen: 0.29 ppbv
RT: 5.15 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

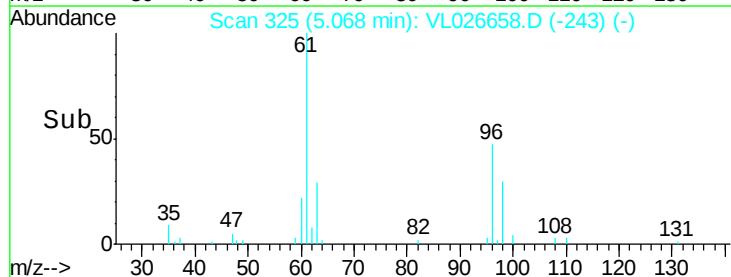
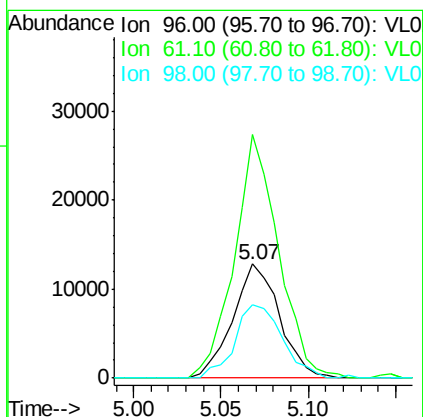
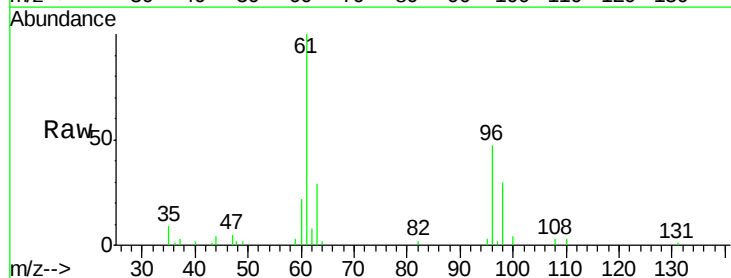
Tot Ion: 59 Resp: 26208
Ion Ratio Lower Upper
59 100
57 13.3 9.0 13.6

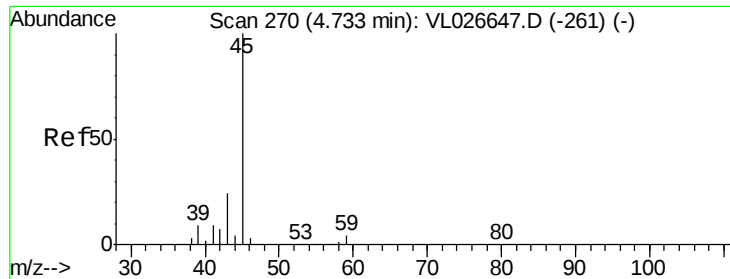


#18

1,1-Dichloroethene
Concen: 0.46 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion: 96 Resp: 23815
Ion Ratio Lower Upper
96 100
61 213.8 176.7 265.1
98 64.4 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.31 ppbv

RT: 4.78 min Scan# 277

Delta R.T. 0.04 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

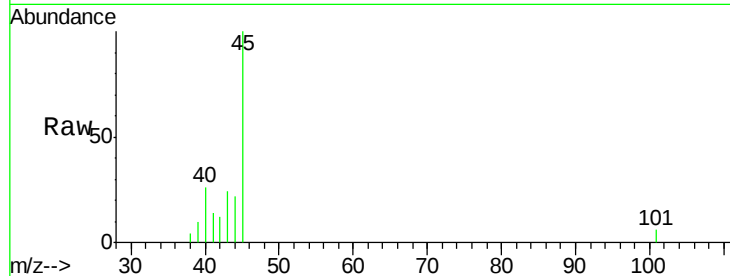
AIR-LOD

Tot Ion: 45 Resp: 15309

Ion Ratio Lower Upper

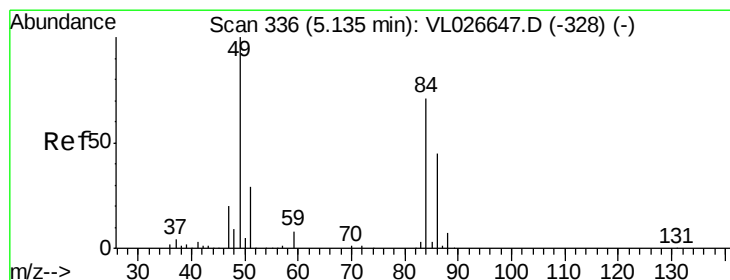
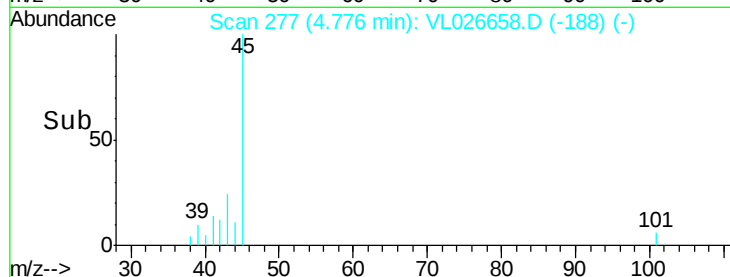
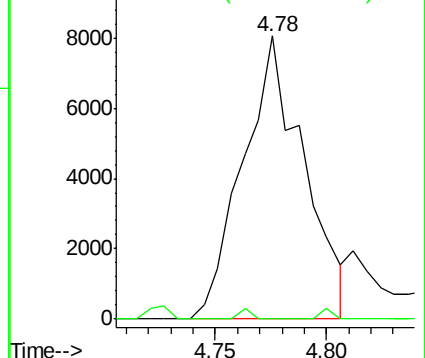
45 100

58 0.0 1.3 1.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.49 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Tgt Ion: 84 Resp: 24308

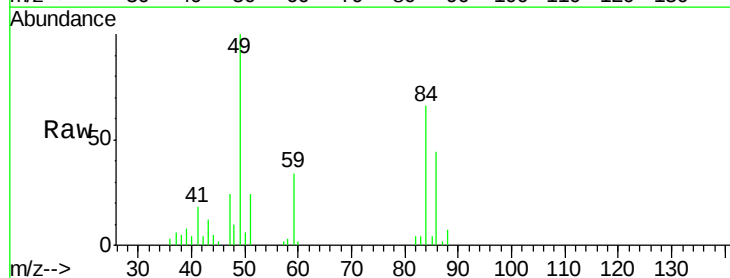
Ion Ratio Lower Upper

84 100

49 145.2 112.3 168.5

51 36.2 32.5 48.7

86 66.8 50.3 75.5

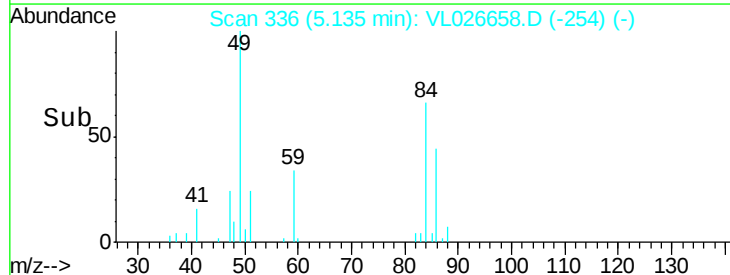
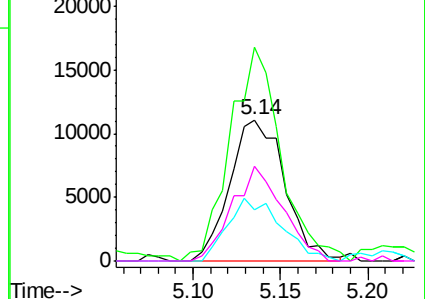


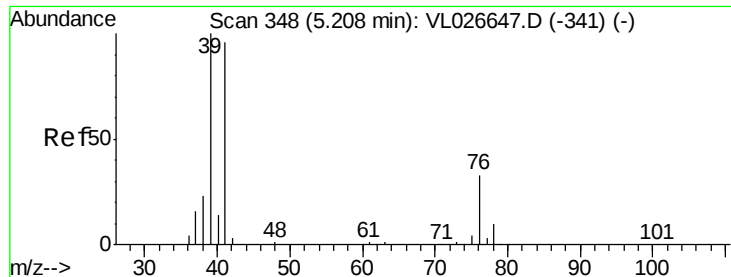
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

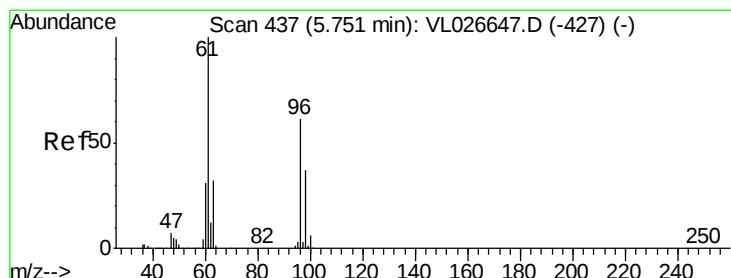
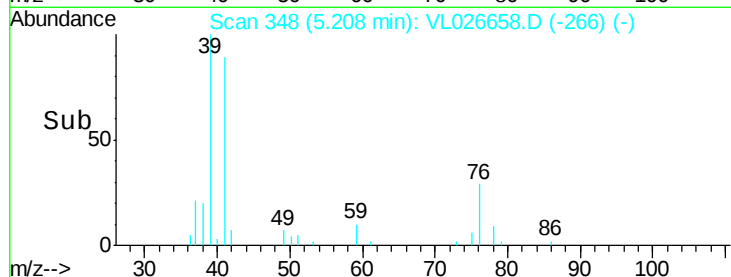
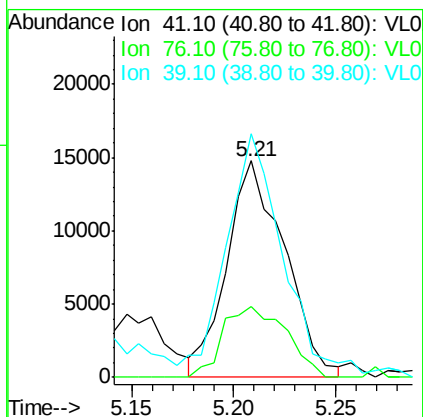
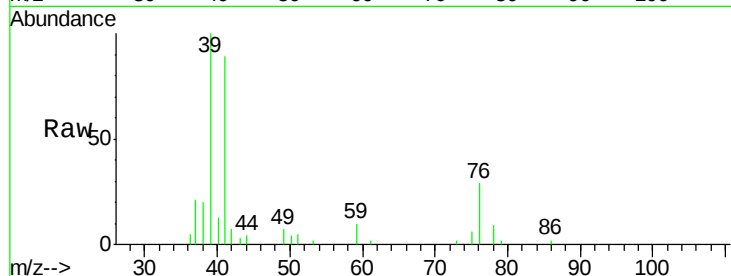




#21
Allvl Chloride
Concen: 0.39 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

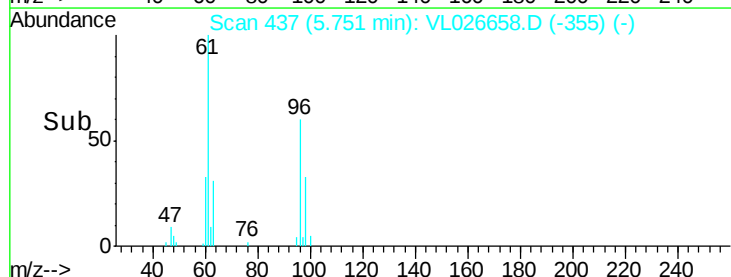
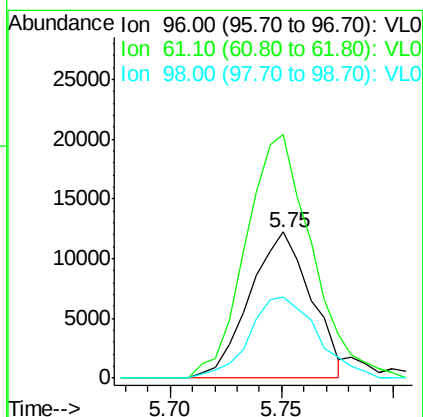
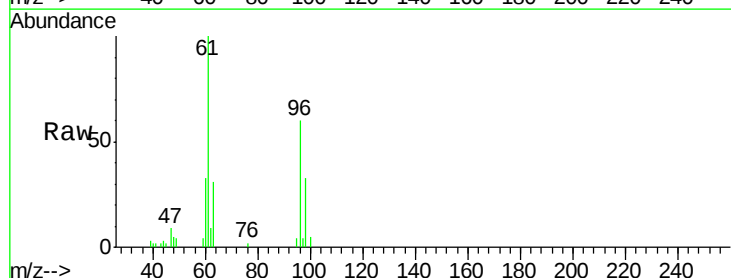
Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

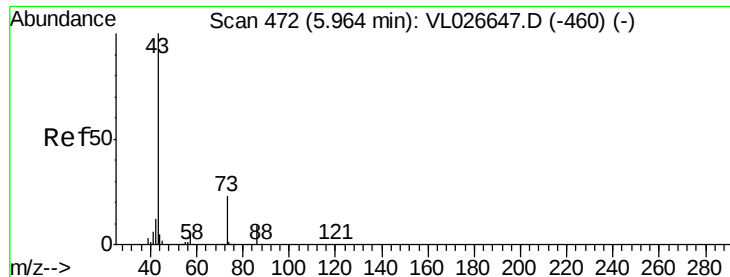
Tot Ion: 41 Resp: 29034
Ion Ratio Lower Upper
41 100
76 36.6 27.5 41.3
39 128.4 83.0 124.6#



#22
trans-1,2-Dichloroethene
Concen: 0.40 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion: 96 Resp: 23461
Ion Ratio Lower Upper
96 100
61 166.9 131.0 196.6
98 55.7 48.1 72.1





#23

Vinyl Acetate

Concen: 0.36 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

Tot Ion: 43 Resp: 65794

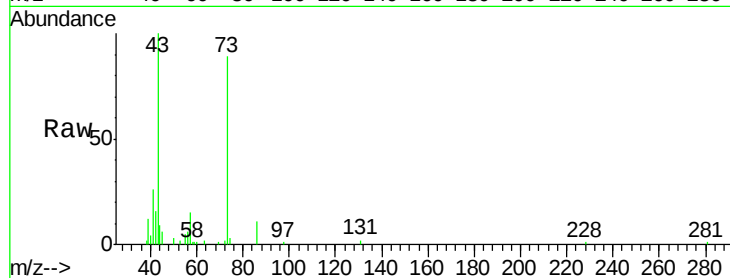
Ion Ratio Lower Upper

43 100

86 11.0 7.4 11.0

42 15.7 9.2 13.8#

44 7.3 3.8 5.8#

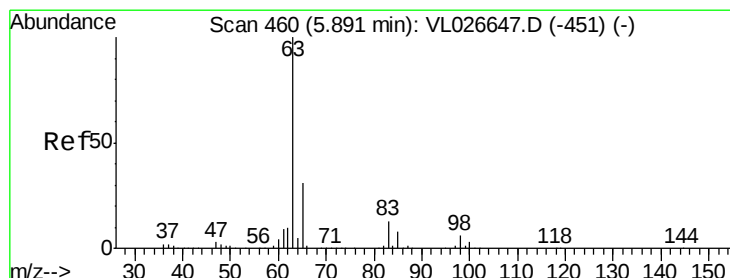
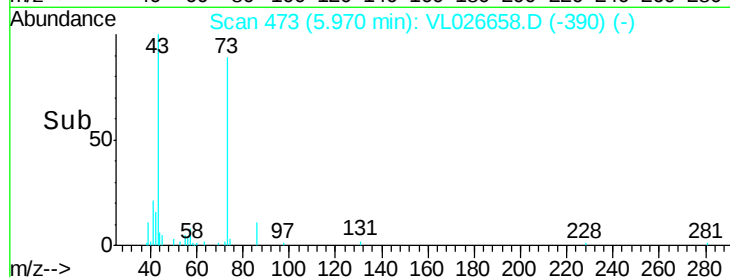
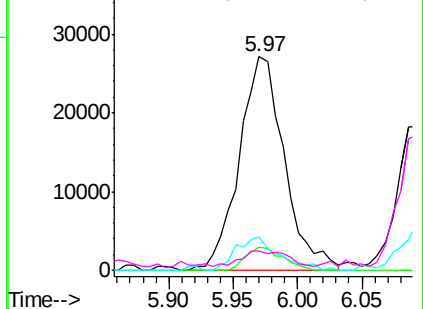


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 0.43 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

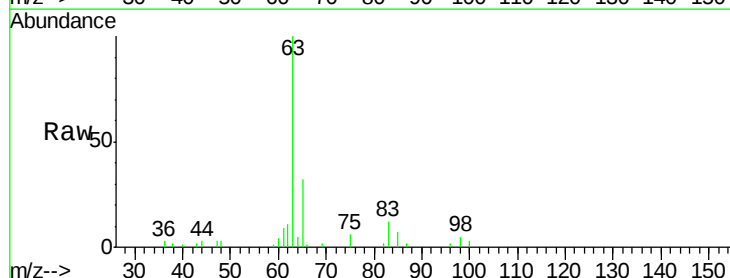
Tgt Ion: 63 Resp: 57736

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.7

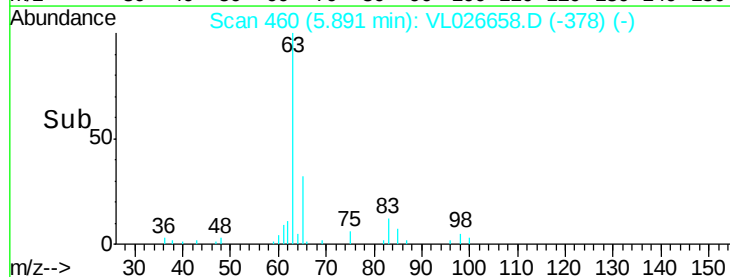
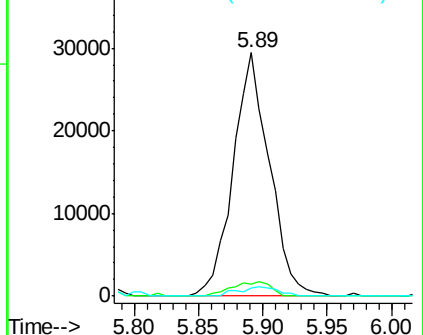
100 3.4 1.6 4.8

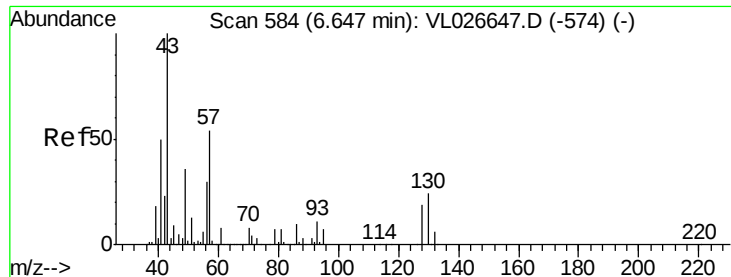


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

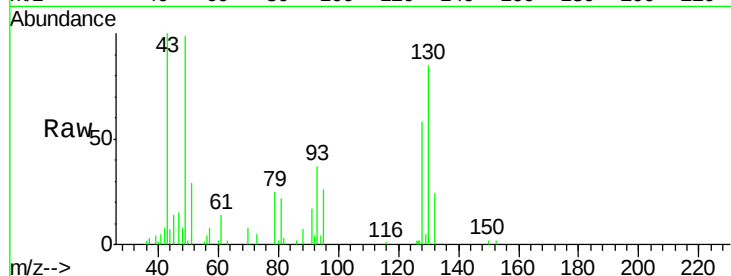




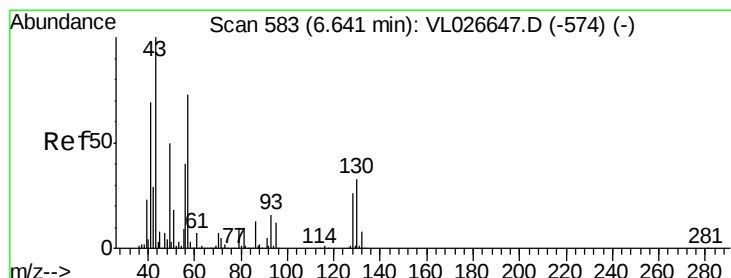
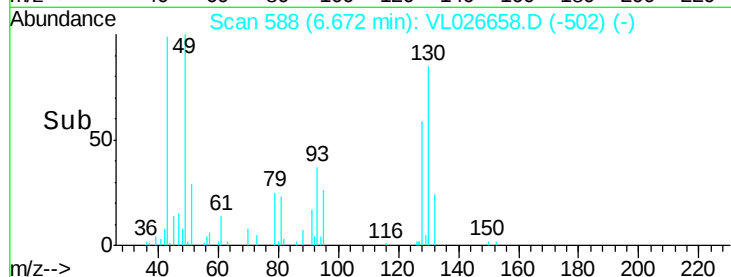
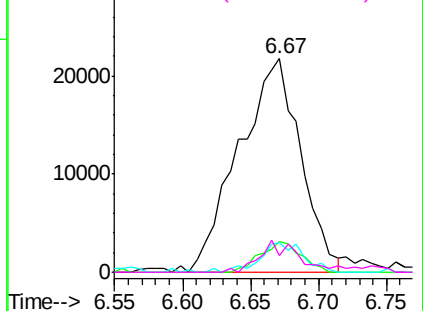
#25
Ethyl Acetate
Concen: 0.37 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

Tot Ion: 43 Resp: 68814
Ion Ratio Lower Upper
43 100
45 9.4 7.5 11.3
61 10.3 7.3 10.9
70 10.8 7.4 11.0

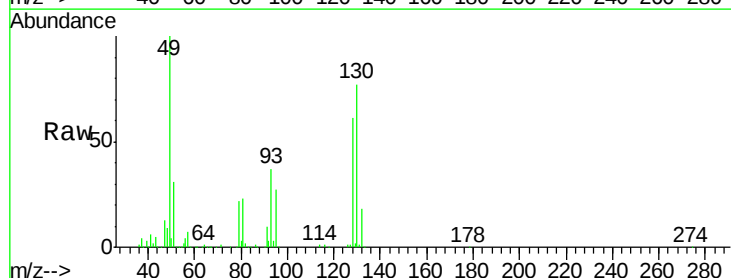


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

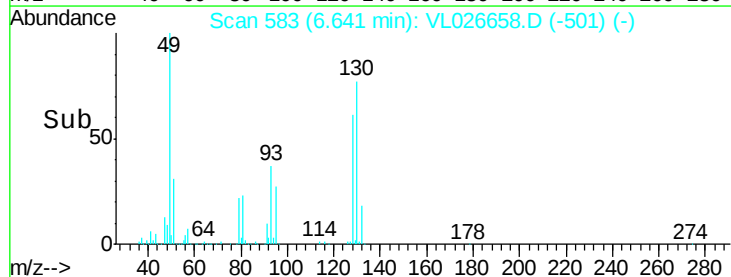
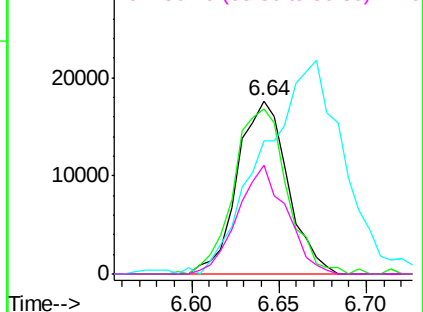


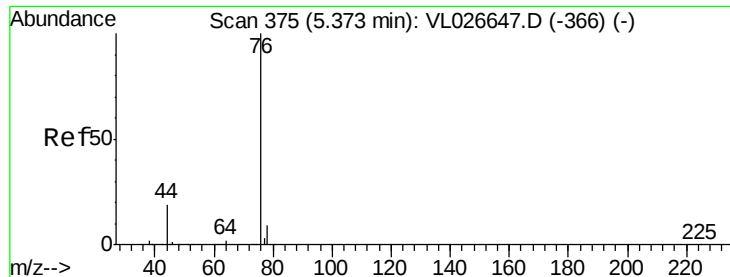
#26
Hexane
Concen: 0.37 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion: 57 Resp: 35425
Ion Ratio Lower Upper
57 100
41 101.4 74.8 112.2
43 208.5 161.5 242.3
56 60.4 44.4 66.6



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: 0.40 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

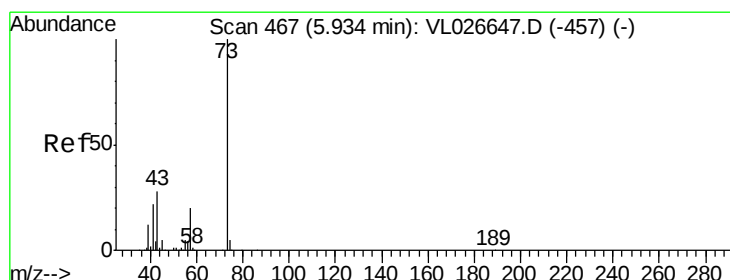
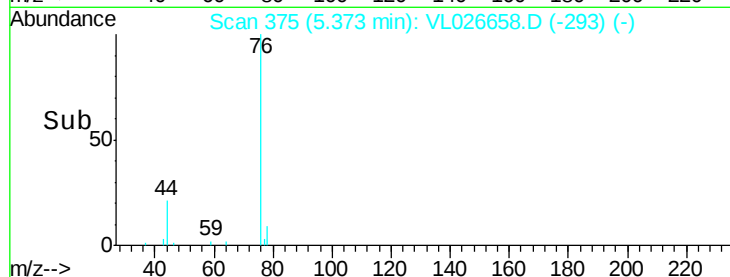
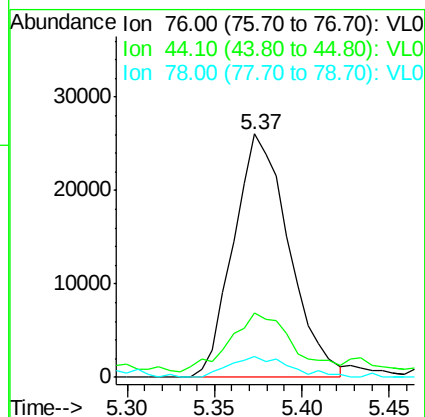
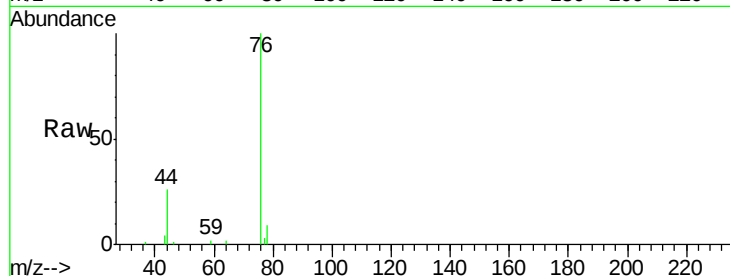
Tot Ion: 76 Resp: 57373

Ion Ratio Lower Upper

76 100

44 29.2 15.9 23.9#

78 9.8 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 0.36 ppbv

RT: 5.96 min Scan# 471

Delta R.T. 0.02 min

Lab File: VL026658.D

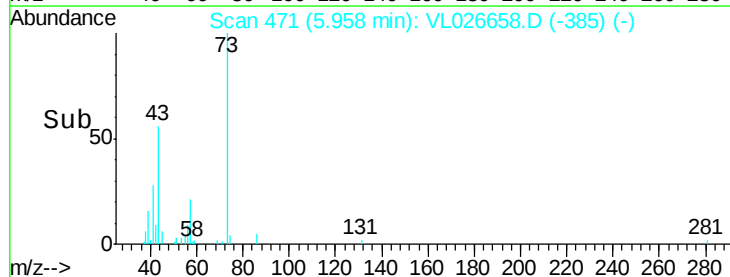
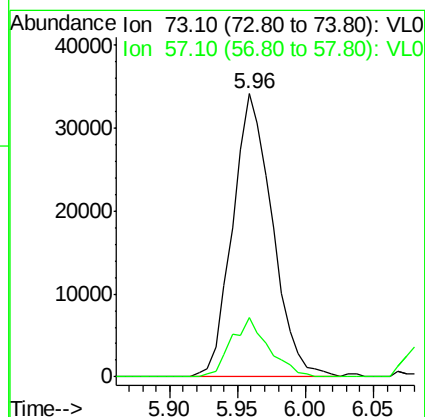
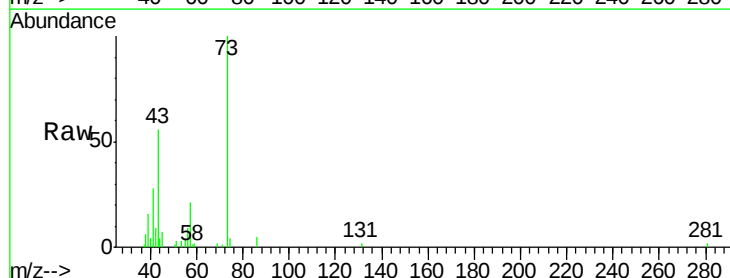
Acq: 9 Jan 2016 3:16

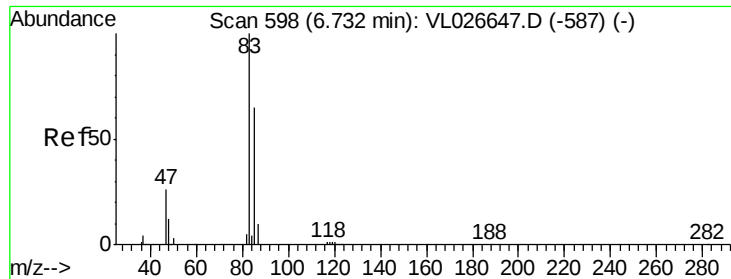
Tgt Ion: 73 Resp: 69561

Ion Ratio Lower Upper

73 100

57 19.5 16.2 24.4

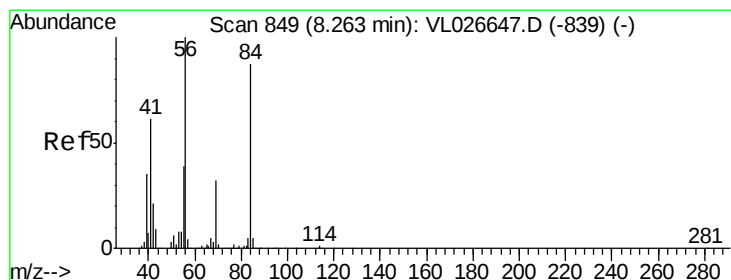
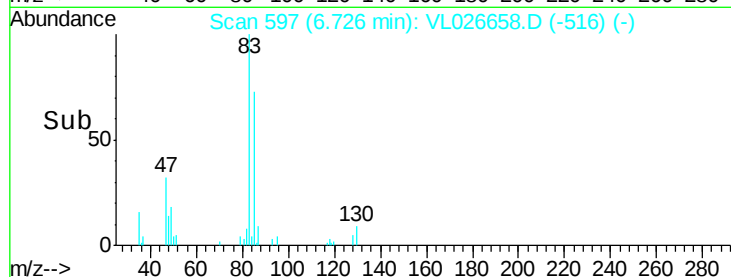
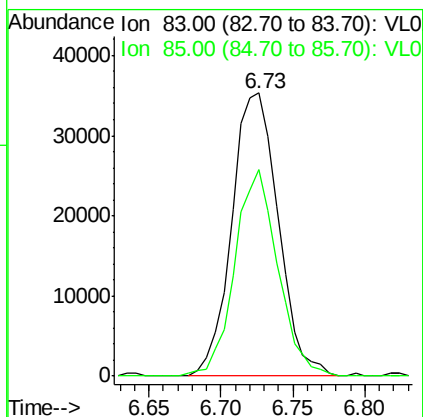
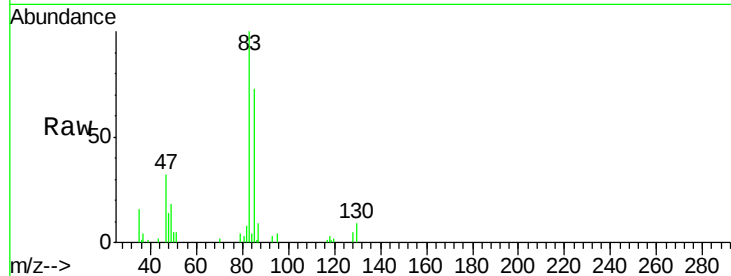




#29
Chloroform
Concen: 0.45 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

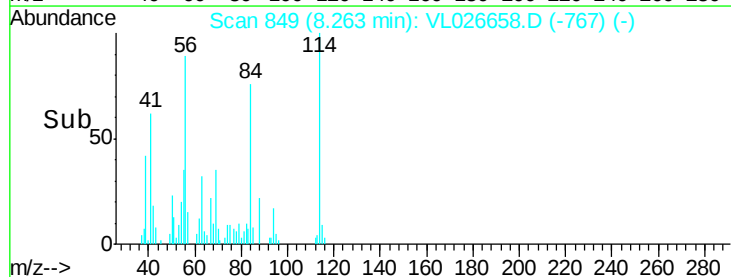
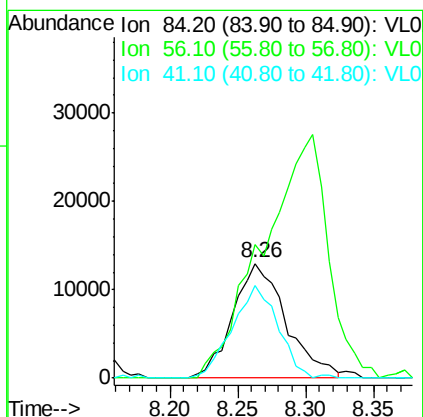
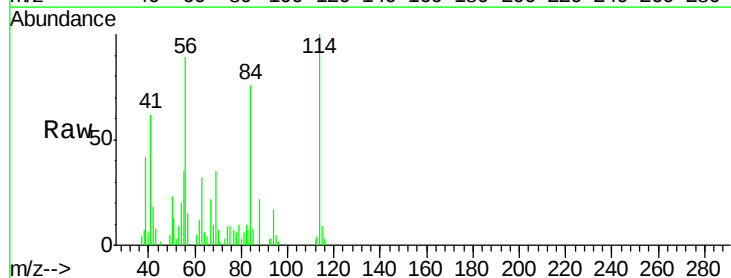
Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

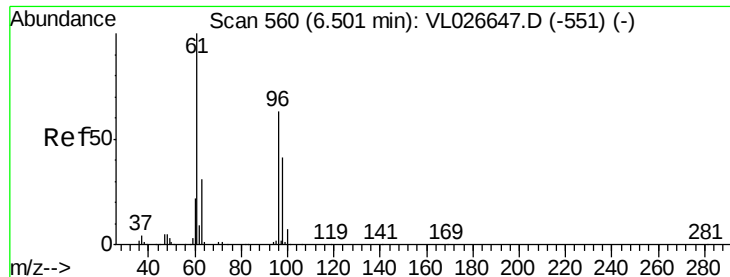
Tot Ion: 83 Resp: 79331
Ion Ratio Lower Upper
83 100
85 73.0 51.6 77.4



#30
Cyclohexane
Concen: 0.37 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion: 84 Resp: 35444
Ion Ratio Lower Upper
84 100
56 0.0 95.9 143.9#
41 69.7 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 0.35 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

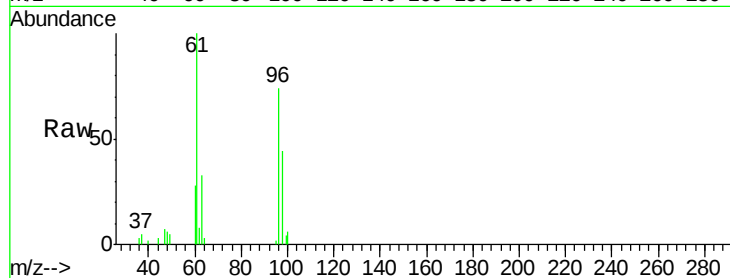
Tot Ion: 61 Resp: 33591

Ion Ratio Lower Upper

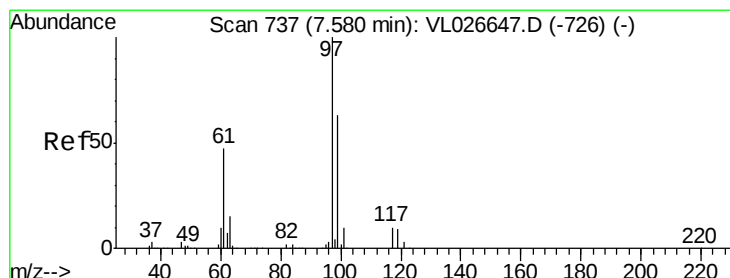
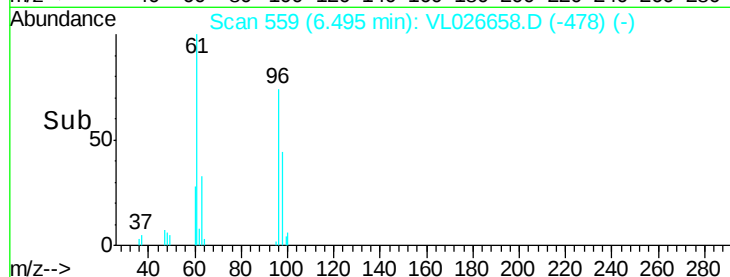
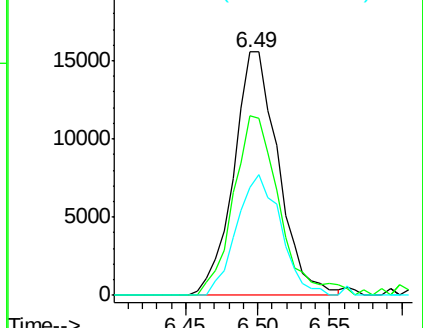
61 100

96 73.5 50.2 75.4

98 44.3 32.4 48.6



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.41 ppbv

RT: 7.57 min Scan# 736

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

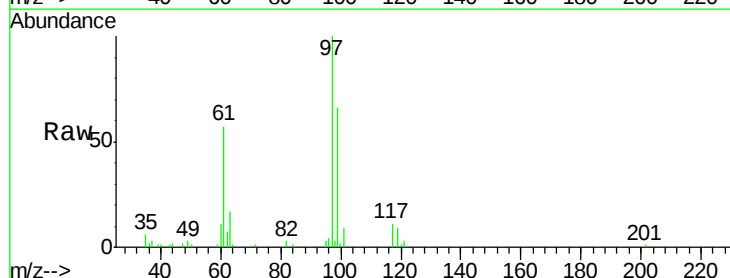
Tgt Ion: 97 Resp: 80643

Ion Ratio Lower Upper

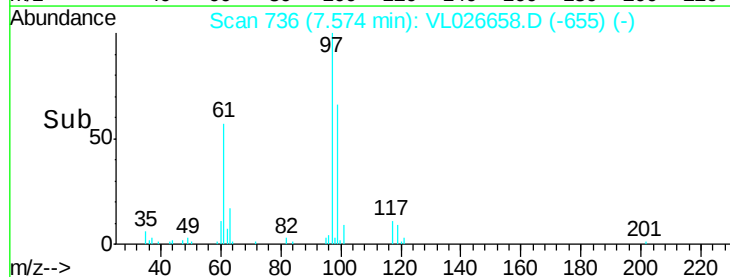
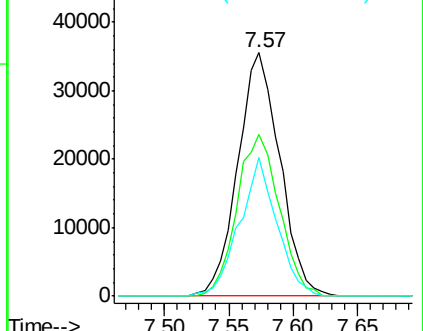
97 100

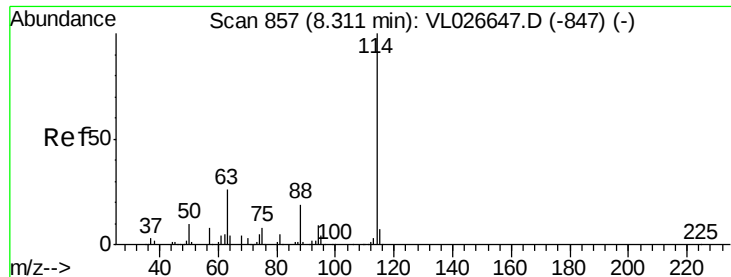
99 66.5 50.8 76.2

61 50.3 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

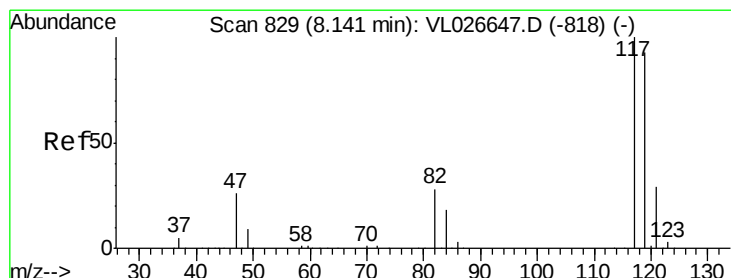
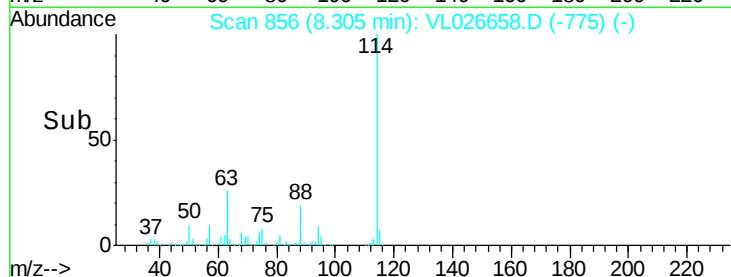
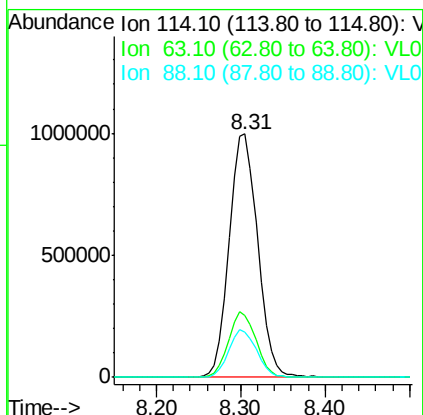
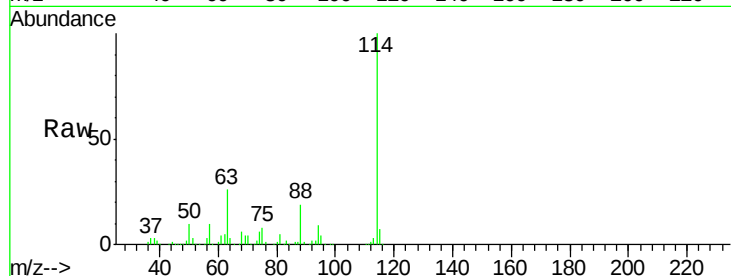




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

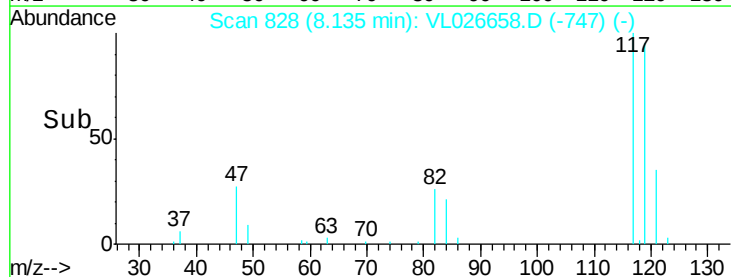
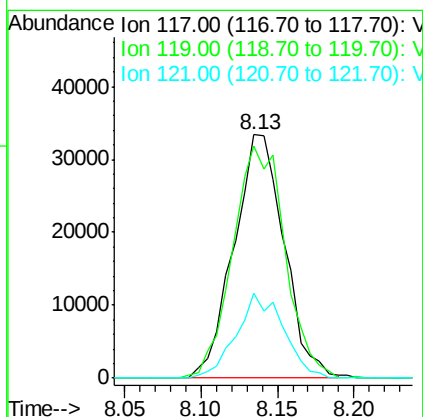
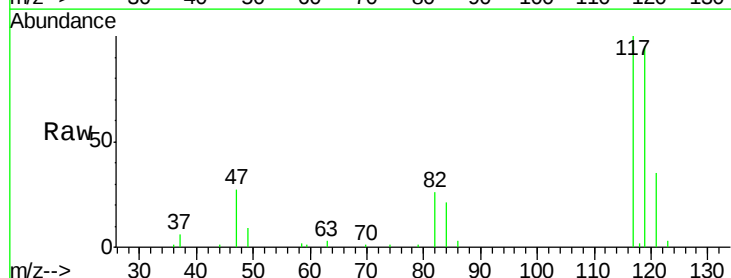
Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-LOD

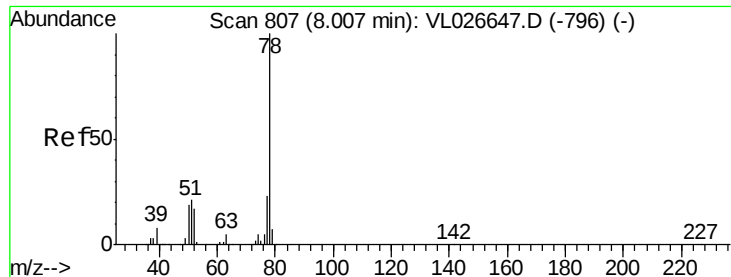
Tot Ion:114 Resp: 2288818
 Ion Ratio Lower Upper
 114 100
 63 26.1 21.7 32.5
 88 19.1 15.2 22.8



#35
 Carbon Tetrachloride
 Concen: 0.38 ppbv
 RT: 8.13 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

Tgt Ion:117 Resp: 76181
 Ion Ratio Lower Upper
 117 100
 119 95.3 74.7 112.1
 121 34.8 23.1 34.7#





#36

Benzene

Concen: 0.33 ppbv

RT: 8.00 min Scan# 806

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

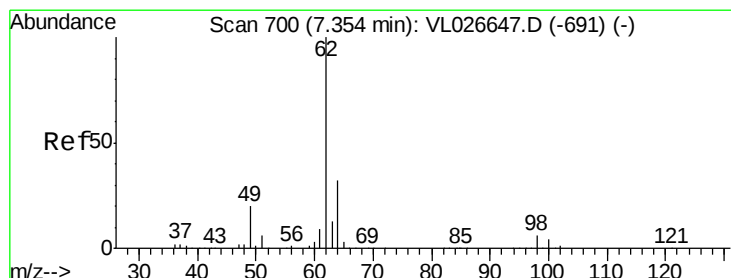
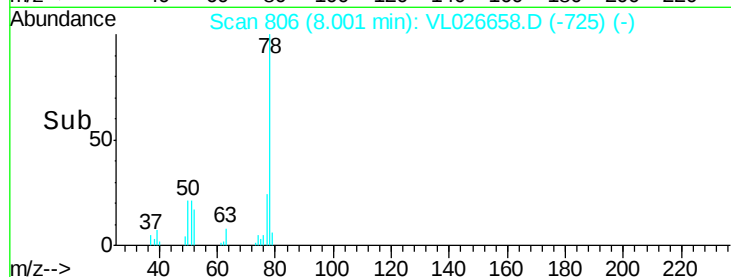
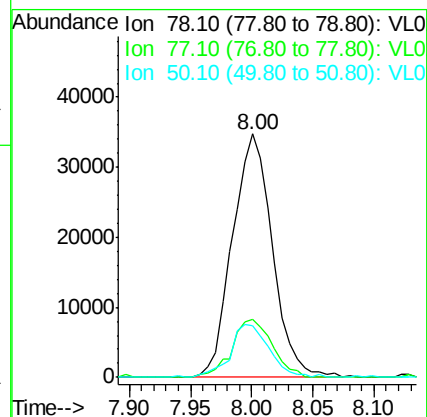
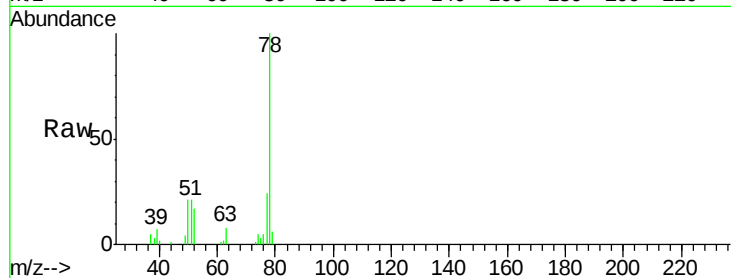
Tot Ion: 78 Resp: 78886

Ion Ratio Lower Upper

78 100

77 24.1 18.5 27.7

50 21.2 15.4 23.2



#37

1,2-Dichloroethane

Concen: 0.41 ppbv

RT: 7.35 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL026658.D

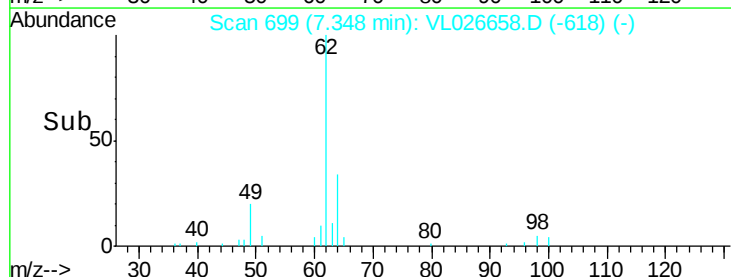
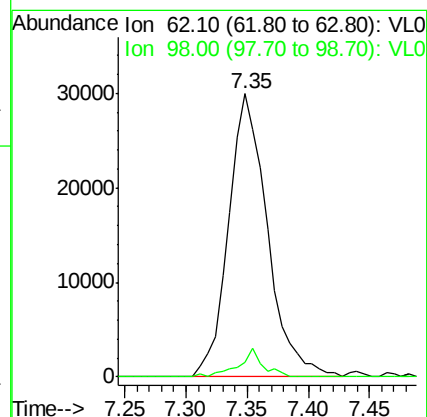
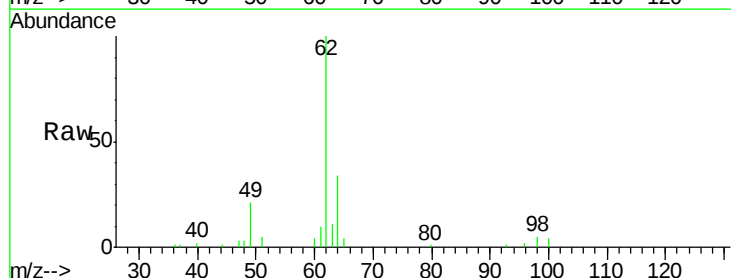
Acq: 9 Jan 2016 3:16

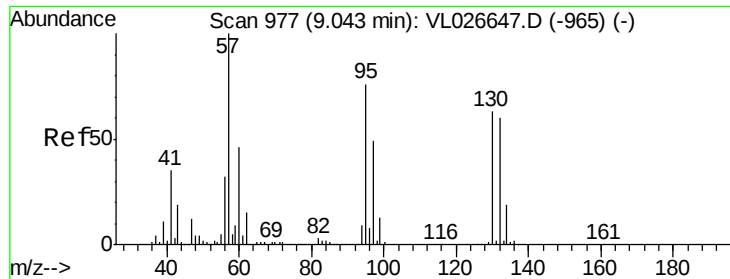
Tgt Ion: 62 Resp: 66009

Ion Ratio Lower Upper

62 100

98 6.2 4.8 7.2

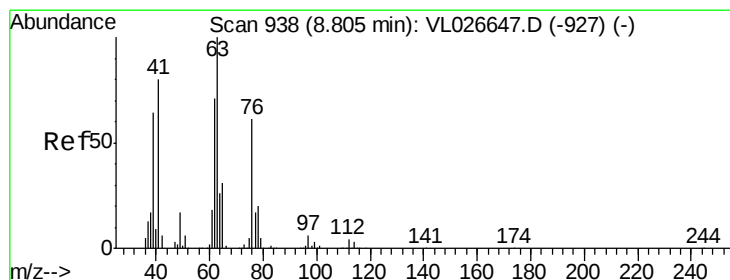
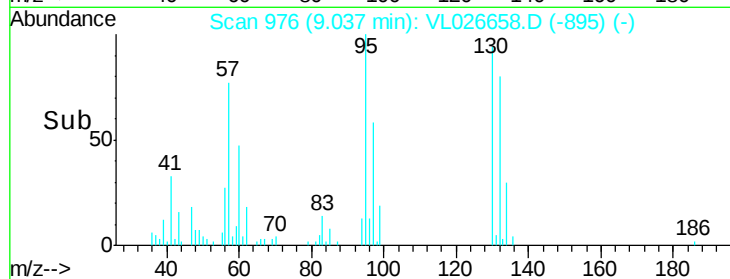
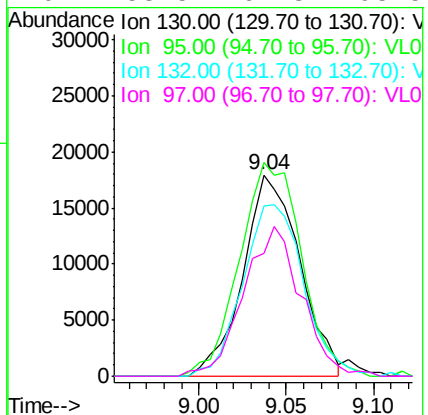
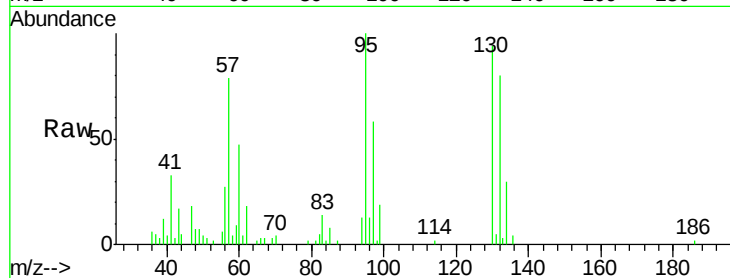




#38
 Trichloroethene
 Concen: 0.39 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

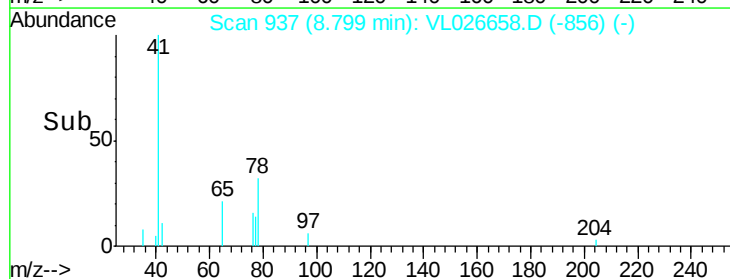
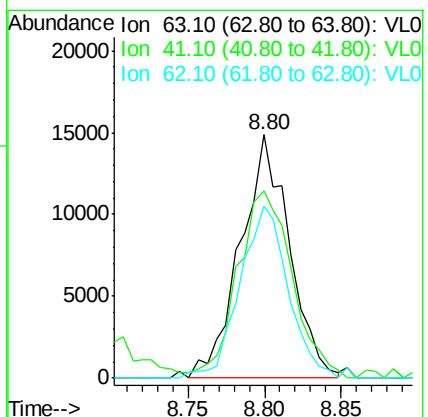
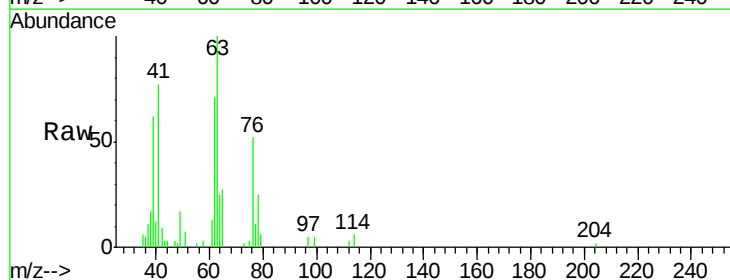
Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-LOD

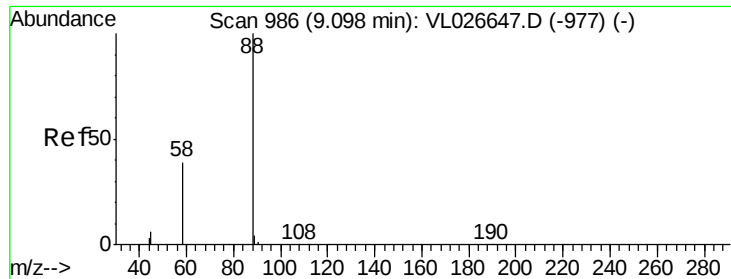
Tot Ion:130 Resp: 40536
 Ion Ratio Lower Upper
 130 100
 95 104.2 96.6 145.0
 132 84.6 76.2 114.4
 97 58.5 62.3 93.5#



#39
 1,2-Dichloropropane
 Concen: 0.40 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

Tgt Ion: 63 Resp: 32921
 Ion Ratio Lower Upper
 63 100
 41 74.3 64.1 96.1
 62 70.6 56.6 84.8





#40

1,4-Dioxane

Concen: 0.23 ppbv

RT: 9.17 min Scan# 998

Delta R.T. 0.07 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

Tot Ion: 88 Resp: 4313

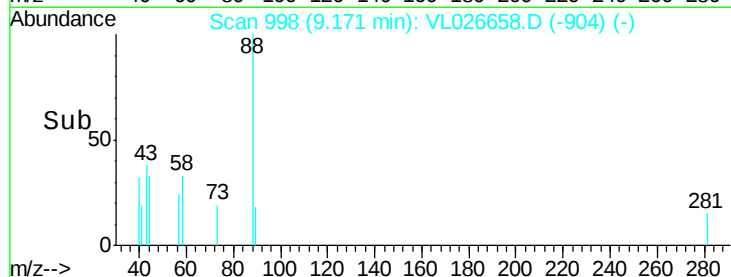
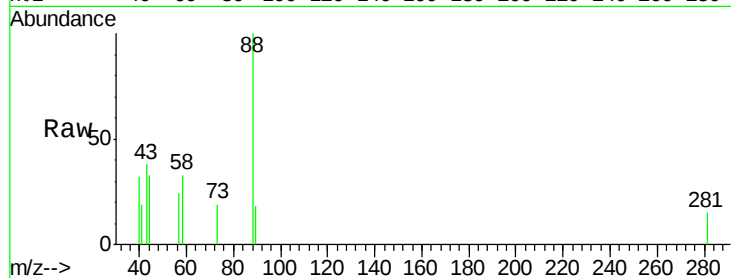
Ion Ratio Lower Upper

88 100

58 98.7 109.4 164.2#

43 43.2 238.2 357.2#

57 0.0 1148.3 1722.5#

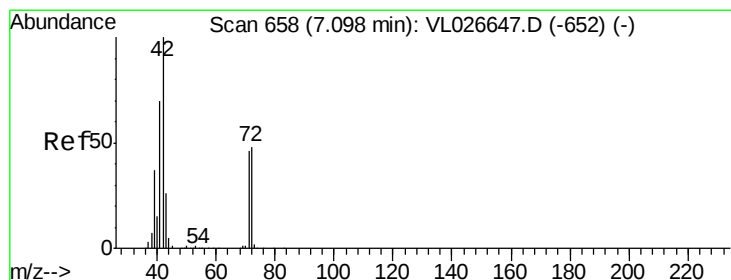
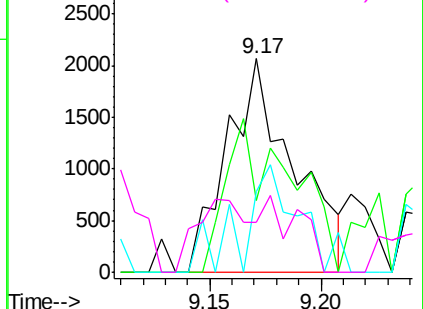


Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#41

Tetrahydrofuran

Concen: 0.30 ppbv

RT: 7.15 min Scan# 666

Delta R.T. 0.05 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

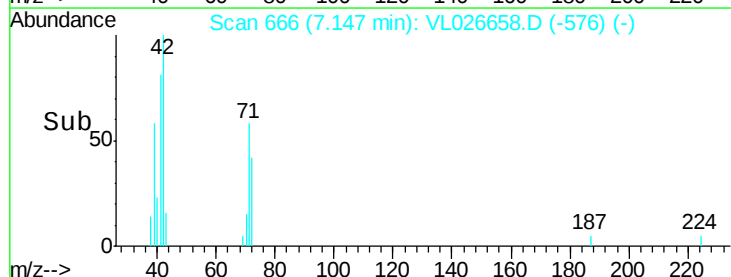
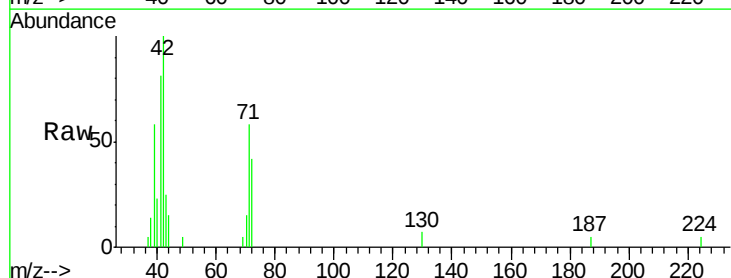
Tgt Ion: 42 Resp: 17899

Ion Ratio Lower Upper

42 100

72 46.4 40.6 60.8

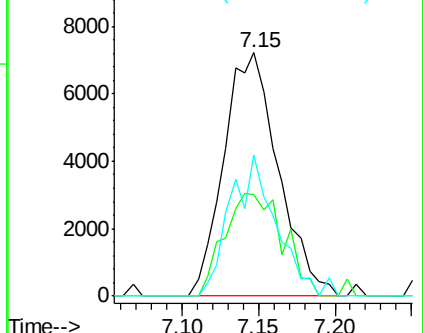
71 49.0 38.4 57.6

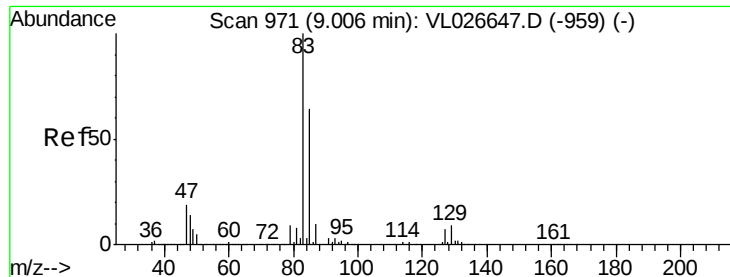


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.39 ppbv

RT: 9.00 min Scan# 970

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

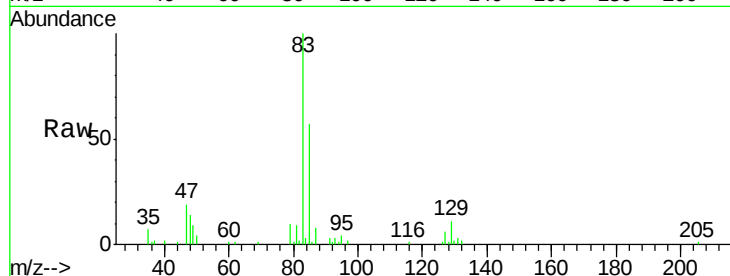
Tot Ion: 83 Resp: 81086

Ion Ratio Lower Upper

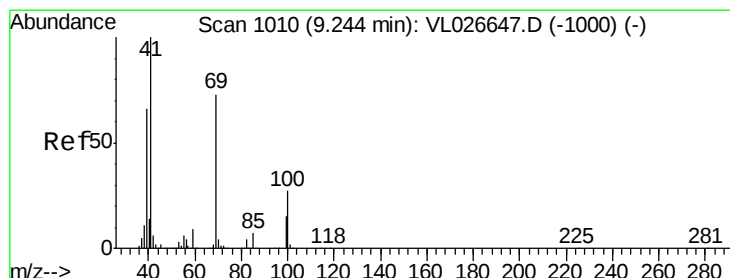
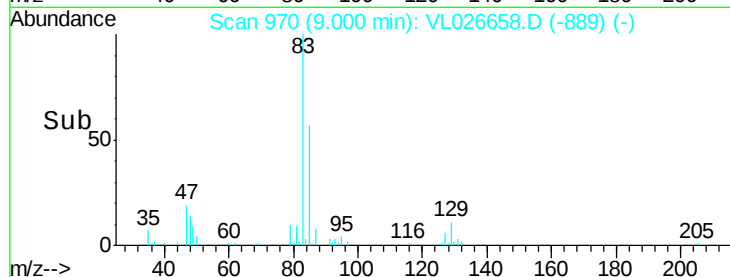
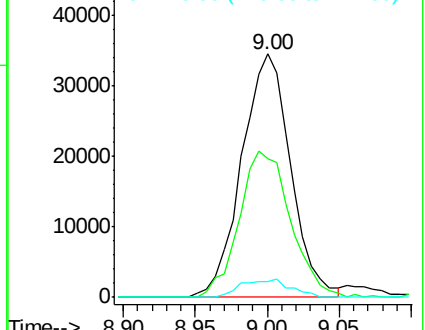
83 100

85 57.0 50.9 76.3

127 6.5 5.5 8.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.29 ppbv

RT: 9.25 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

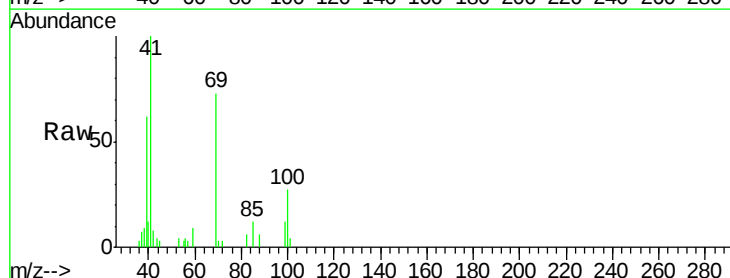
Tgt Ion: 69 Resp: 24776

Ion Ratio Lower Upper

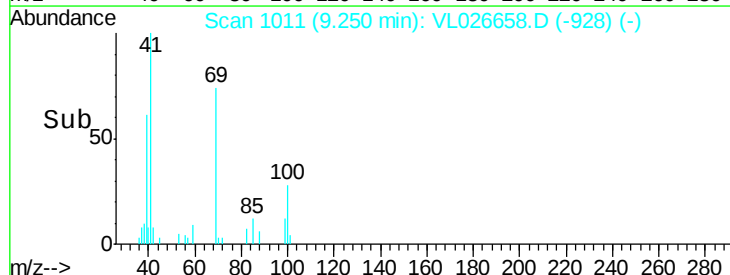
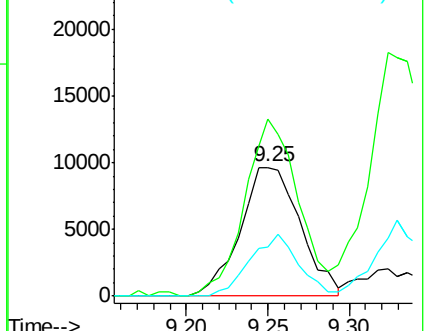
69 100

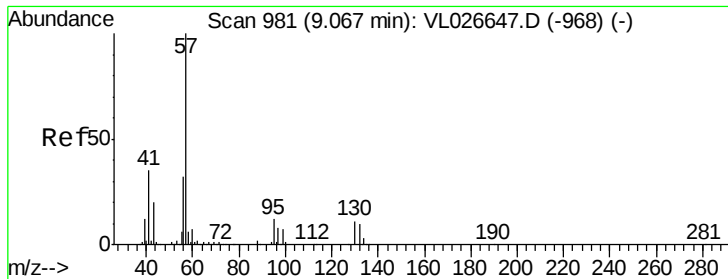
41 123.2 106.1 159.1

100 38.5 29.0 43.4



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.35 ppbv

RT: 9.07 min Scan# 981

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

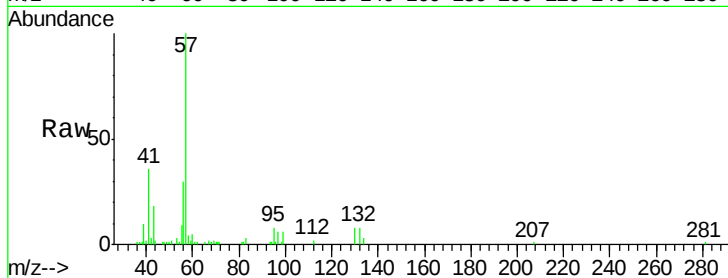
MSVOA_L

ClientSampleId :

AIR-LOD

Tot Ion: 57 Resp: 131787

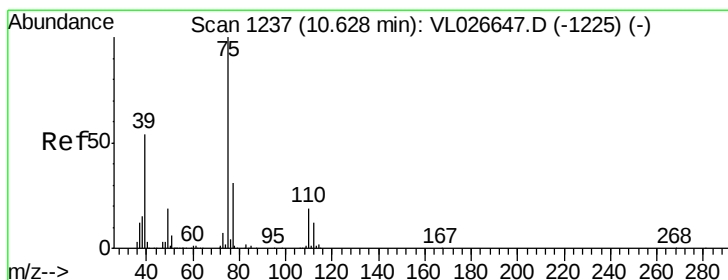
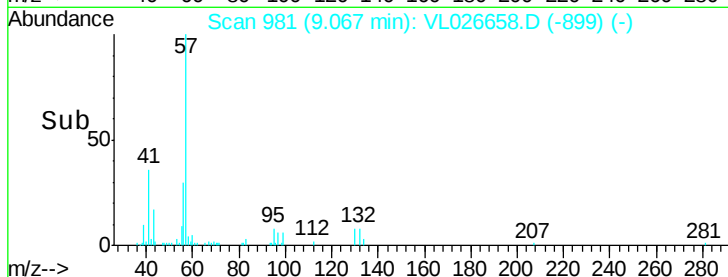
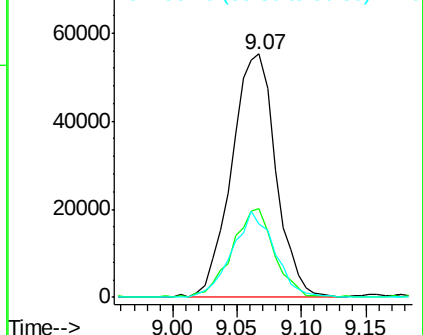
Ion	Ratio	Lower	Upper
57	100		
41	35.5	26.9	40.3
56	33.9	25.4	38.0



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 0.27 ppbv

RT: 10.63 min Scan# 1237

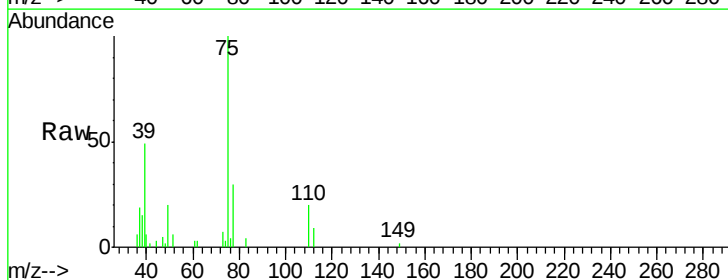
Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

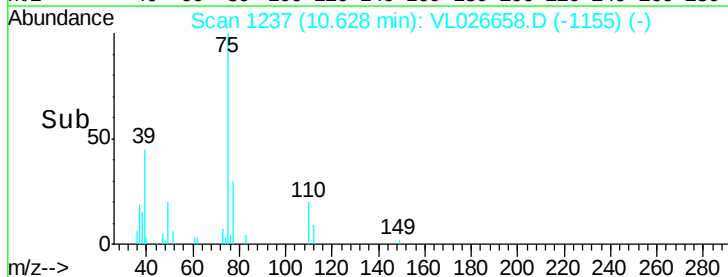
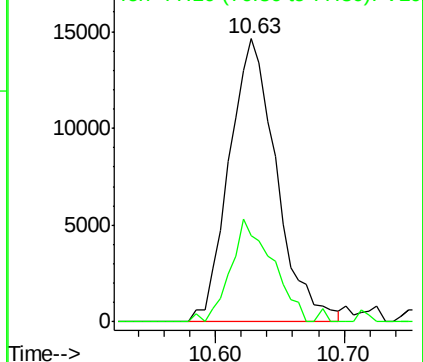
Tgt Ion: 75 Resp: 37375

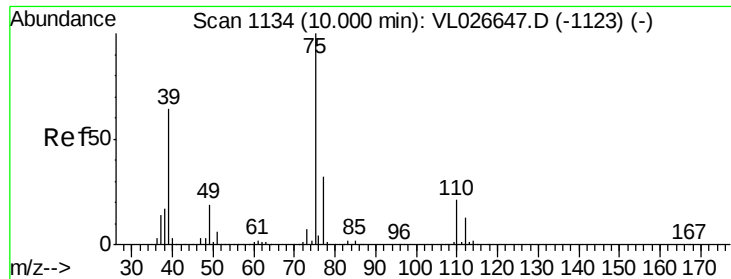
Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#46

cis-1,3-Dichloropropene

Concen: 0.29 ppbv

RT: 10.00 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

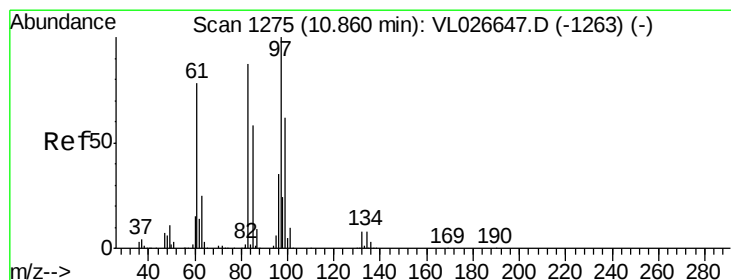
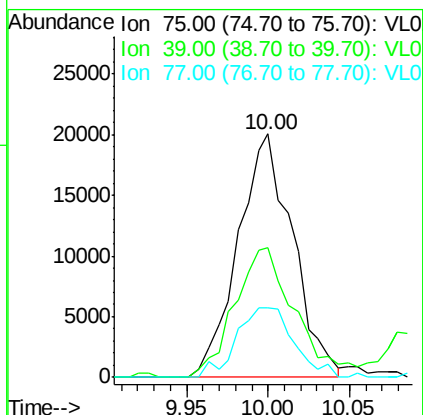
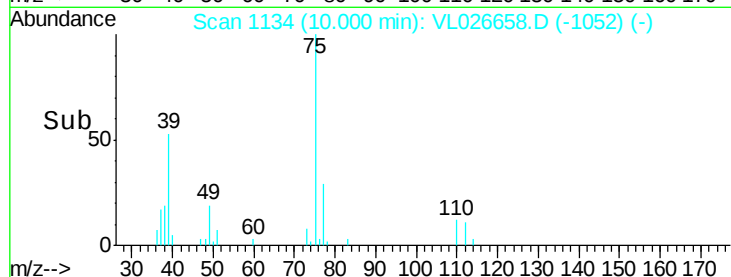
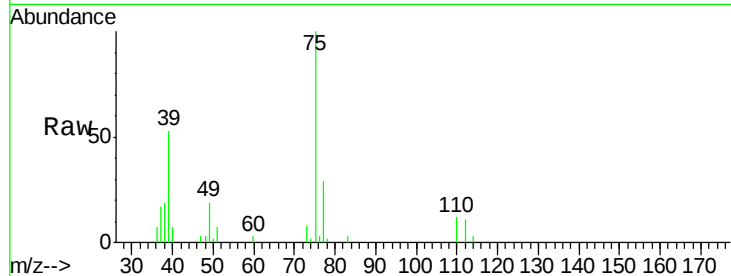
Tot Ion: 75 Resp: 46593

Ion Ratio Lower Upper

75 100

39 53.2 51.2 76.8

77 28.8 25.9 38.9



#47

1,1,2-Trichloroethane

Concen: 0.40 ppbv

RT: 10.85 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Tgt Ion: 97 Resp: 46752

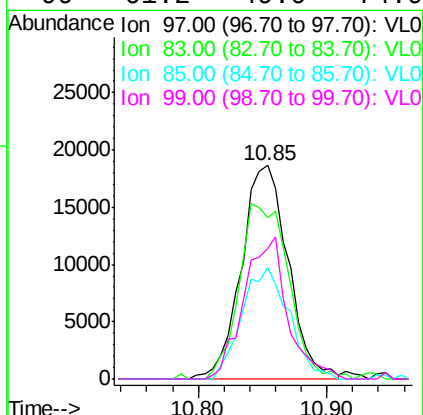
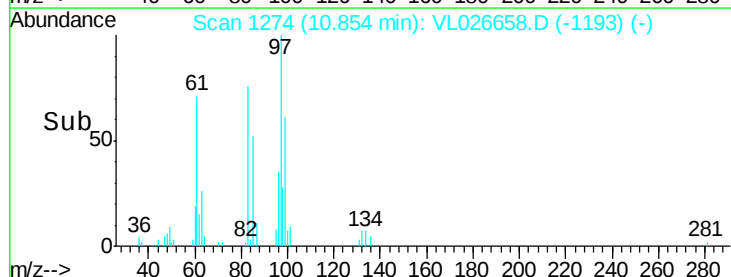
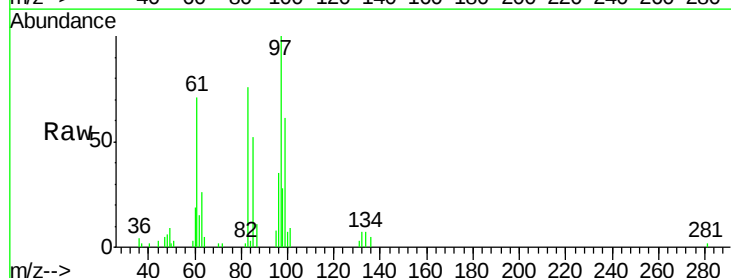
Ion Ratio Lower Upper

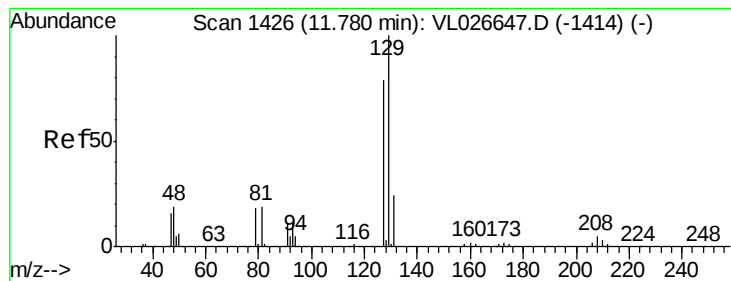
97 100

83 75.5 69.5 104.3

85 52.4 46.4 69.6

99 61.2 49.9 74.9





#48

Dibromochloromethane

Concen: 0.38 ppbv

RT: 11.78 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

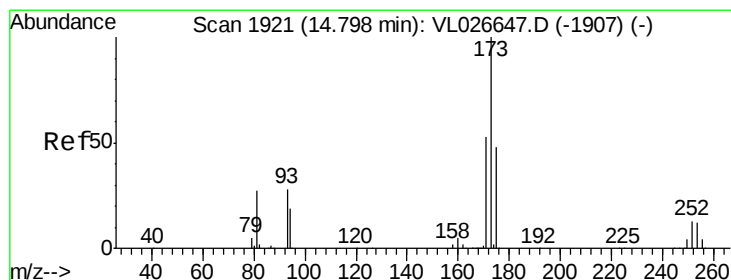
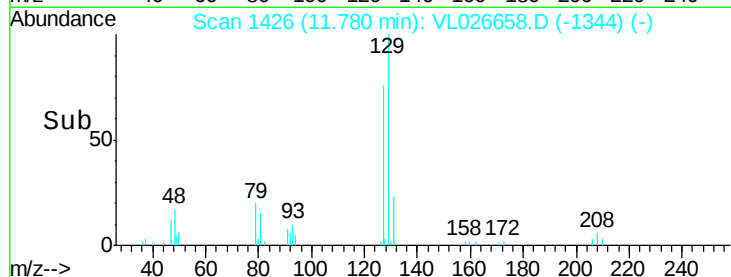
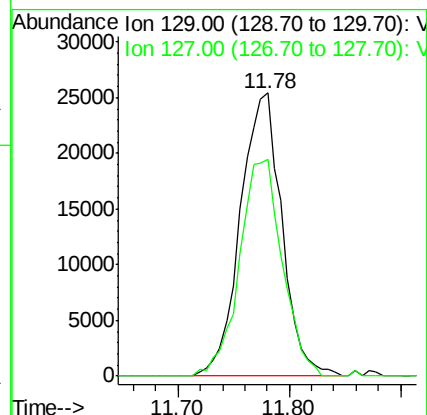
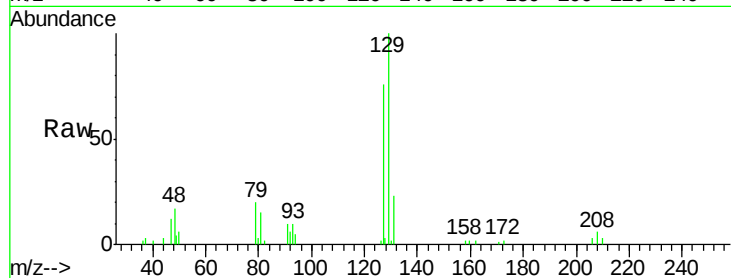
AIR-LOD

Tot Ion:129 Resp: 65824

Ion Ratio Lower Upper

129 100

127 79.1 39.5 118.5



#49

Bromoform

Concen: 0.37 ppbv

RT: 14.78 min Scan# 1918

Delta R.T. -0.02 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

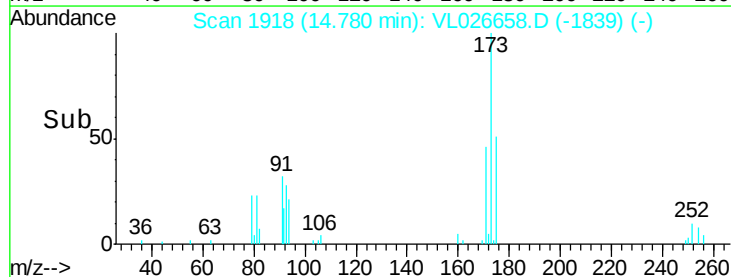
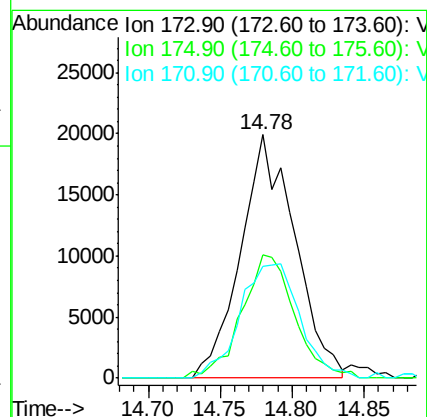
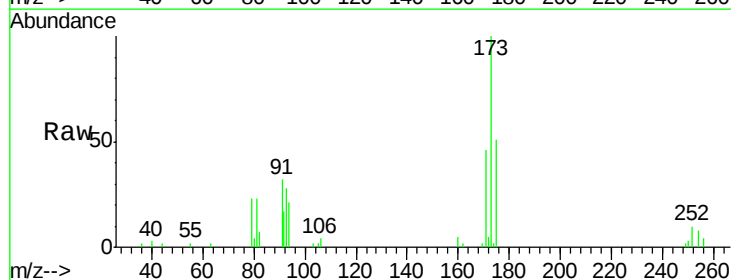
Tgt Ion:173 Resp: 52071

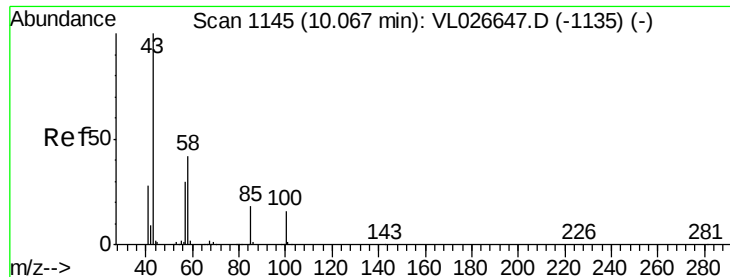
Ion Ratio Lower Upper

173 100

175 49.5 38.6 58.0

171 52.2 41.5 62.3

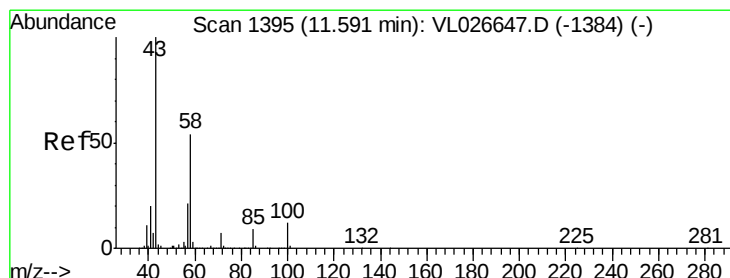
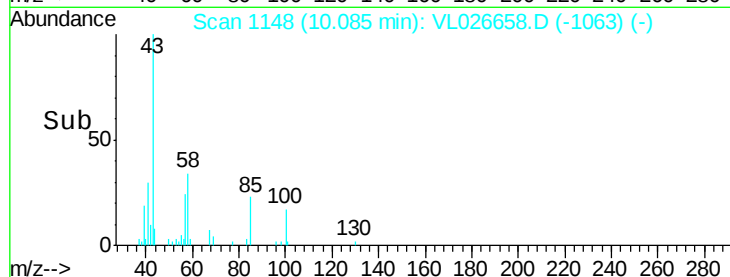
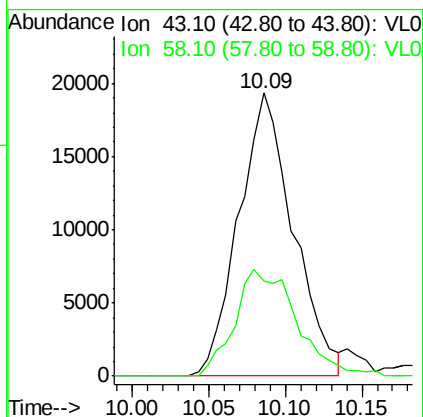
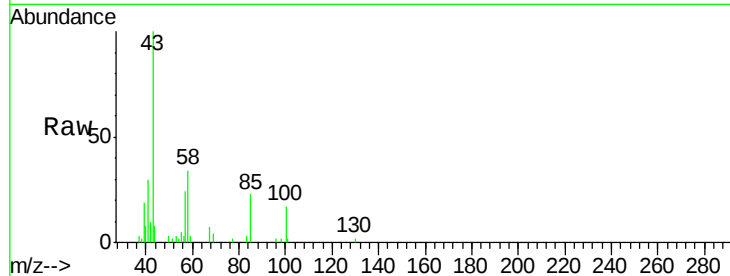




#50
 4-Methyl-2-Pentanone
 Concen: 0.28 ppbv
 RT: 10.09 min Scan# 1148
 Delta R.T. 0.02 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

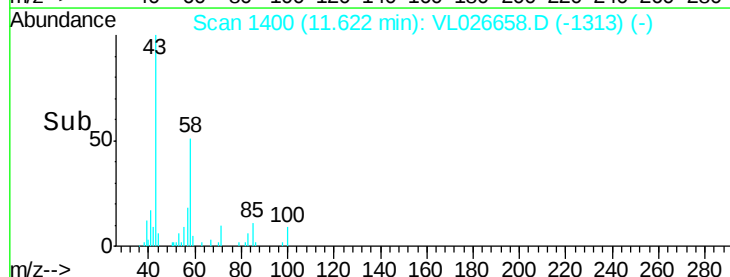
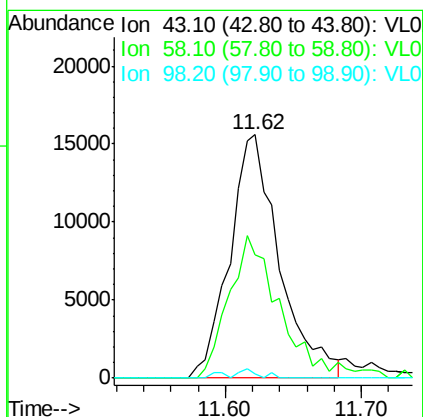
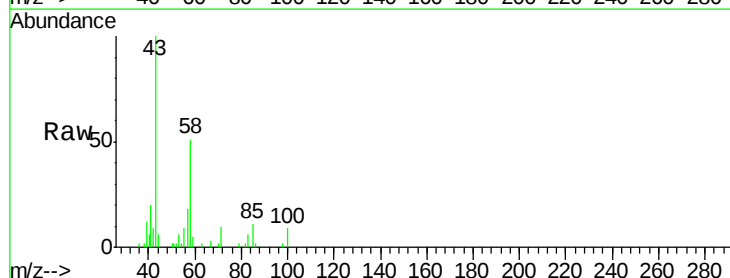
Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-LOD

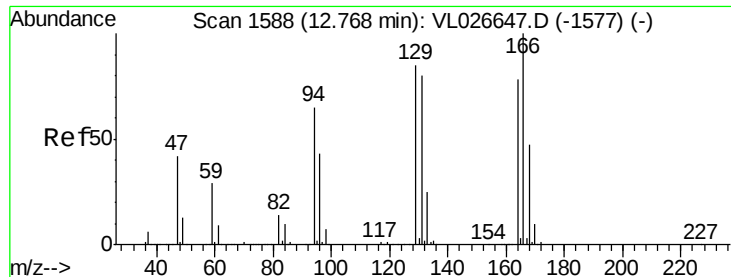
Tot Ion: 43 Resp: 47936
 Ion Ratio Lower Upper
 43 100
 58 42.9 32.4 48.6



#51
 2-Hexanone
 Concen: 0.25 ppbv
 RT: 11.62 min Scan# 1400
 Delta R.T. 0.03 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

Tgt Ion: 43 Resp: 39982
 Ion Ratio Lower Upper
 43 100
 58 61.3 44.9 67.3
 98 2.1 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.39 ppbv

RT: 12.76 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

Tot Ion:164 Resp: 46222

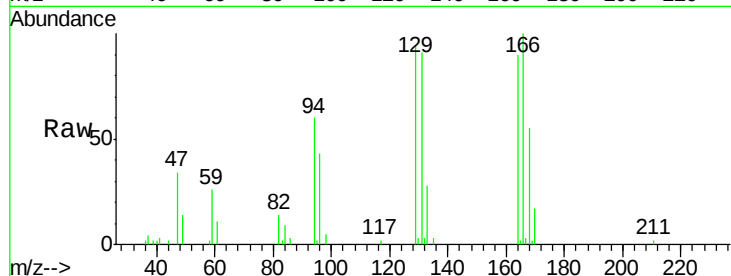
Ion Ratio Lower Upper

164 100

166 111.4 102.5 153.7

129 108.0 87.0 130.6

131 101.7 82.5 123.7

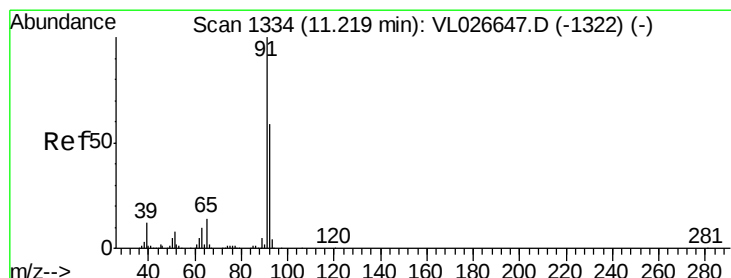
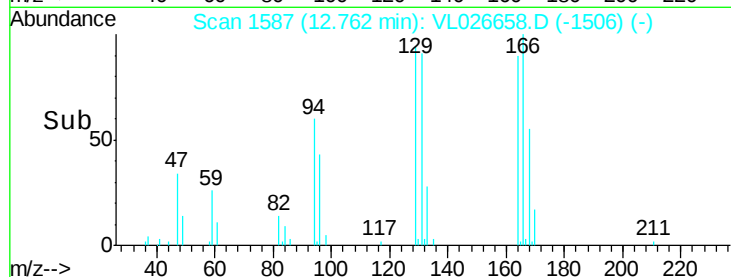
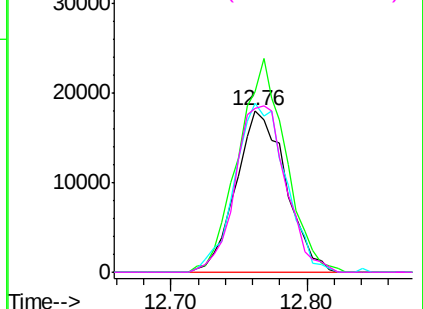


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.33 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026658.D

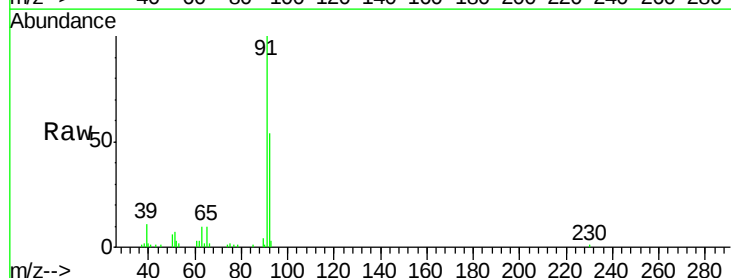
Acq: 9 Jan 2016 3:16

Tgt Ion: 91 Resp: 110360

Ion Ratio Lower Upper

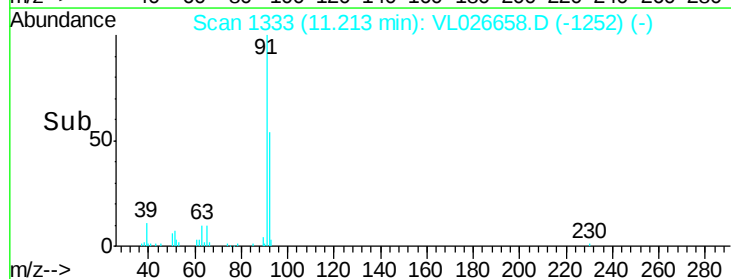
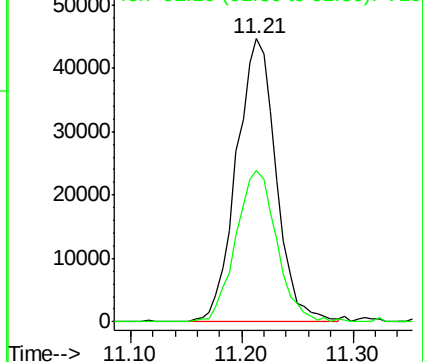
91 100

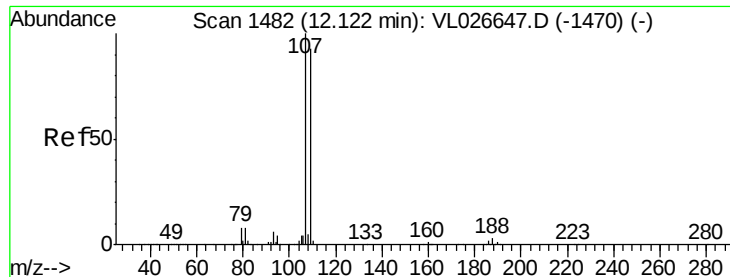
92 55.2 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.39 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

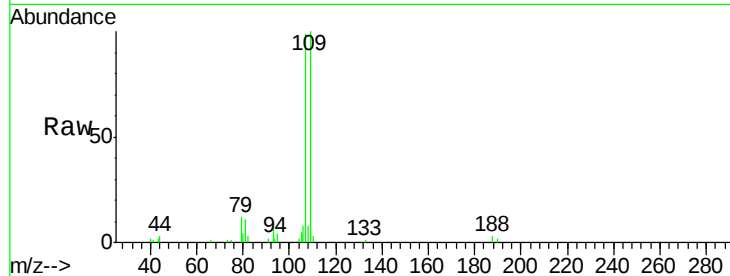
AIR-LOD

Tot Ion:107 Resp: 71800

Ion Ratio Lower Upper

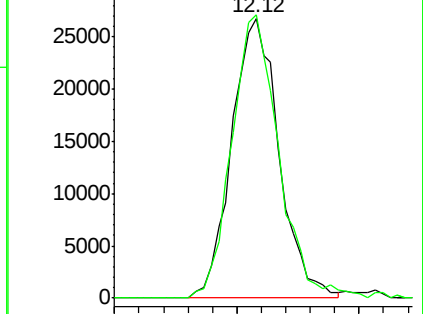
107 100

109 101.1 74.1 111.1

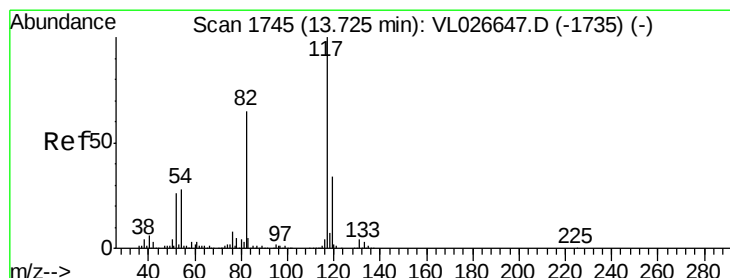
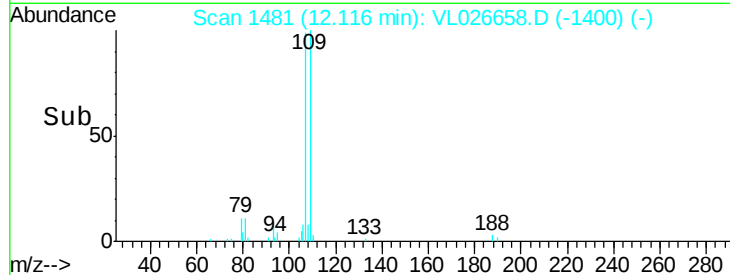


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time--> 12.00 12.10 12.20



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.72 min Scan# 1744

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

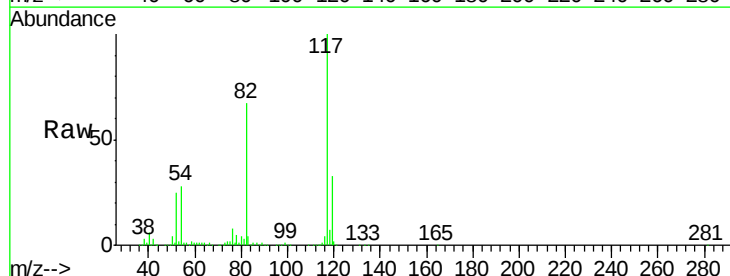
Tgt Ion:117 Resp: 3035402

Ion Ratio Lower Upper

117 100

82 65.4 49.7 74.5

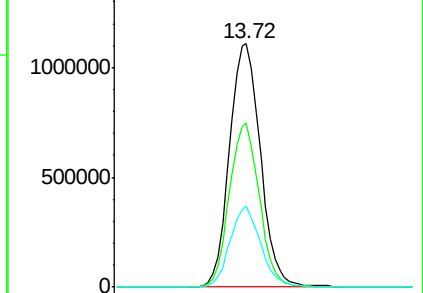
119 33.3 43.8 65.8#



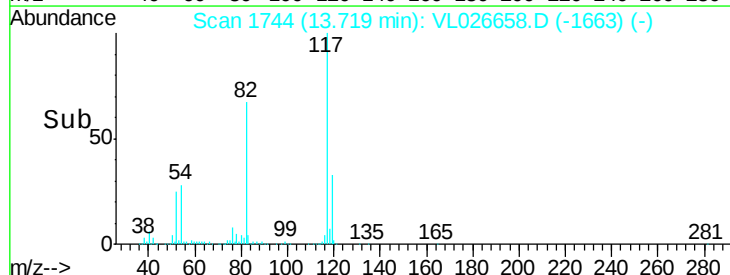
Abundance Ion 117.10 (116.80 to 117.80): V

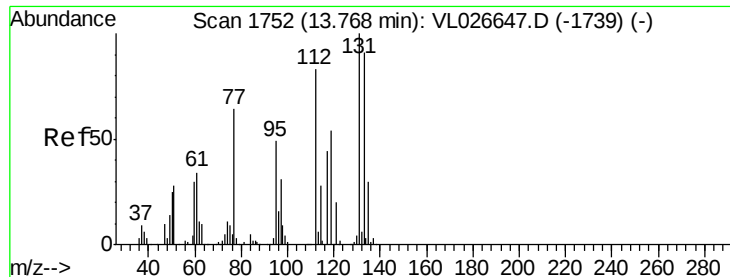
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time--> 13.60 13.70 13.80





#56

1,1,1,2-Tetrachloroethane

Concen: 0.44 ppbv

RT: 13.76 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

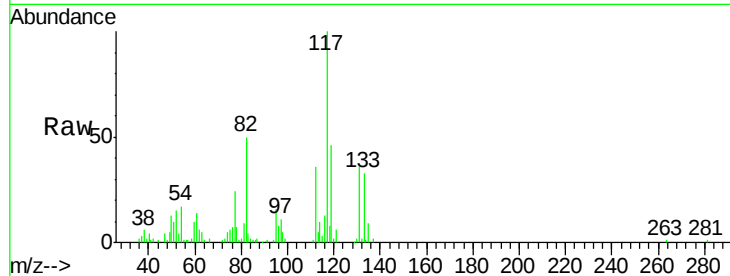
Tot Ion:131 Resp: 61707

Ion Ratio Lower Upper

131 100

133 96.6 76.2 114.4

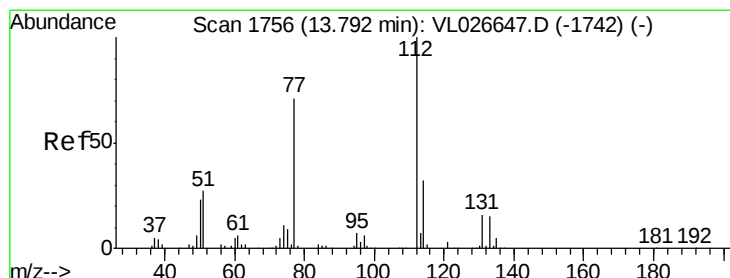
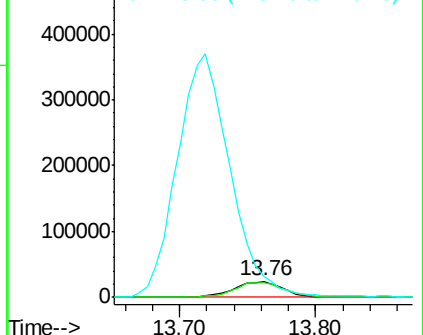
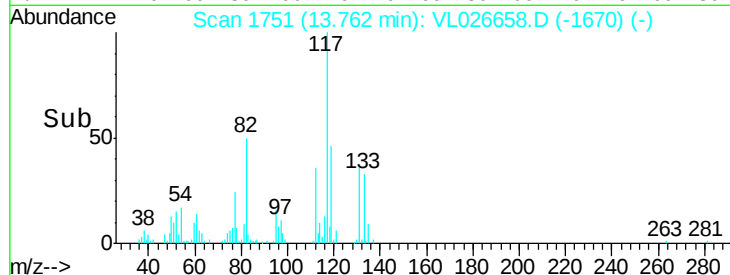
119 1632.7 104.3 156.5#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.46 ppbv

RT: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

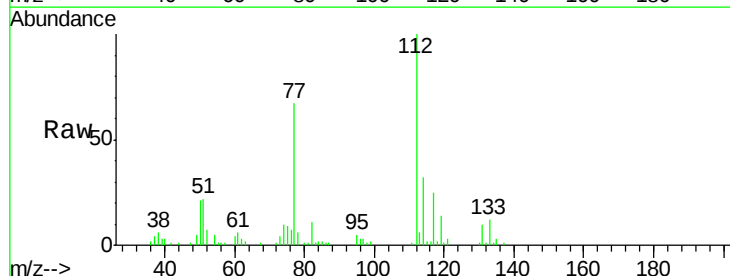
Tgt Ion:112 Resp: 144962

Ion Ratio Lower Upper

112 100

77 66.5 56.9 85.3

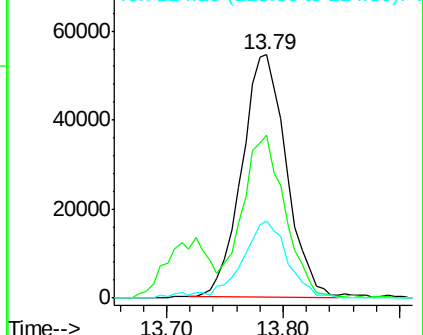
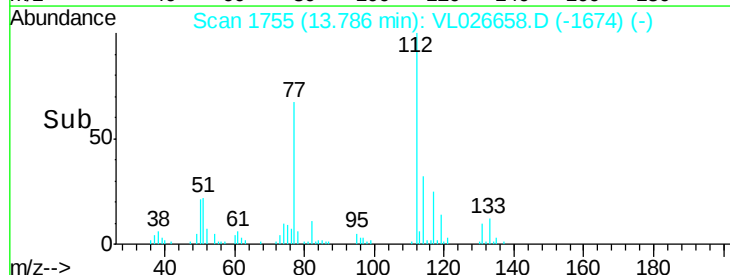
114 31.7 28.8 35.2

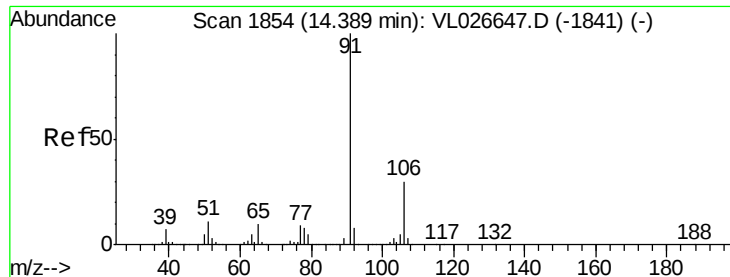


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.33 ppbv

RT: 14.39 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

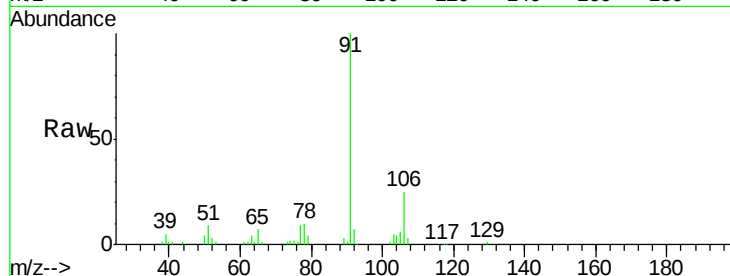
AIR-LOD

Tot Ion: 91 Resp: 181301

Ion Ratio Lower Upper

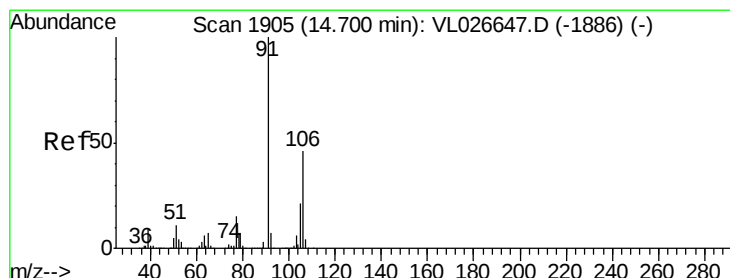
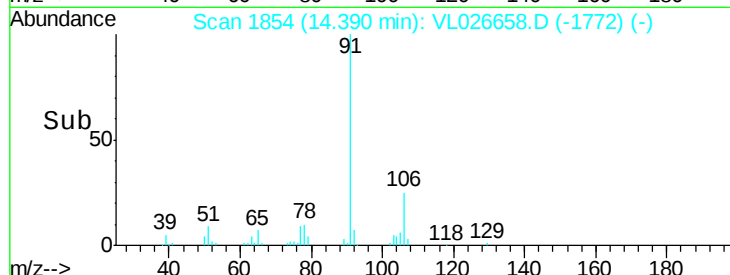
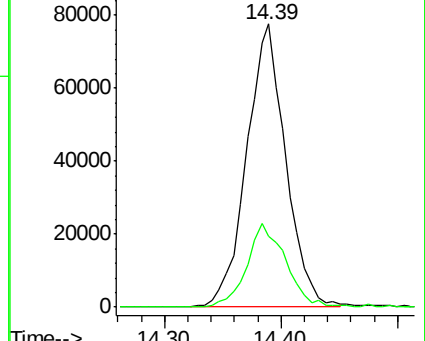
91 100

106 25.3 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.77 ppbv

RT: 14.69 min Scan# 1904

Delta R.T. -0.01 min

Lab File: VL026658.D

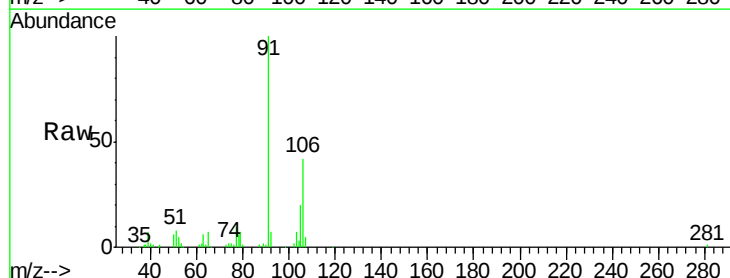
Acq: 9 Jan 2016 3:16

Tgt Ion: 91 Resp: 345828

Ion Ratio Lower Upper

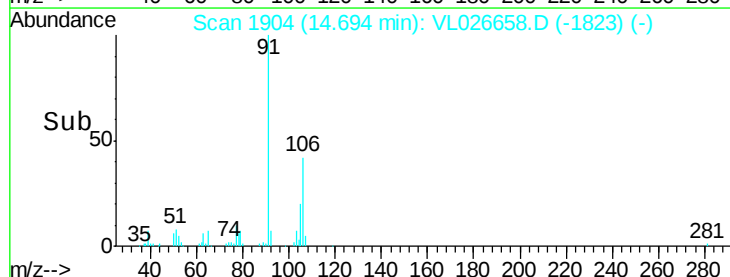
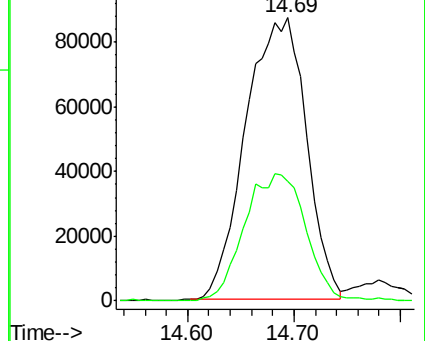
91 100

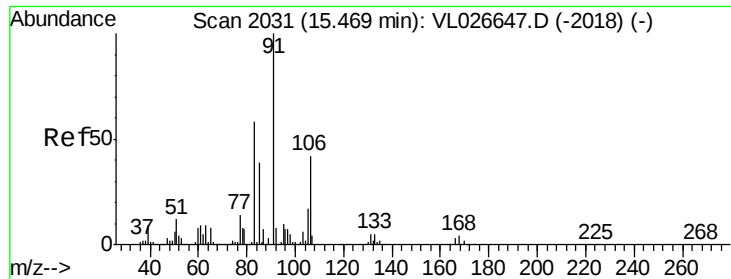
106 45.8 36.6 55.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

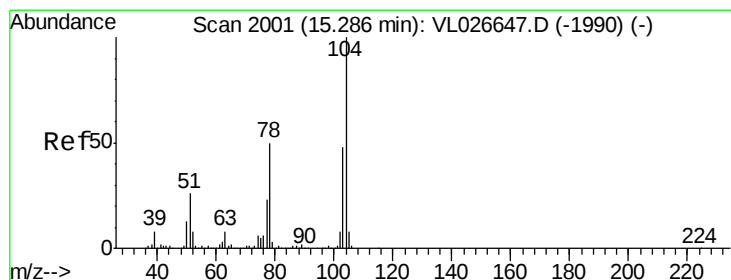
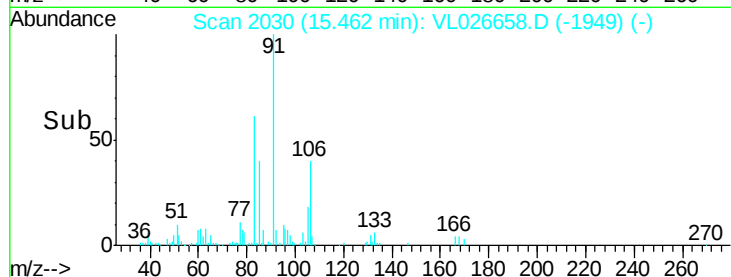
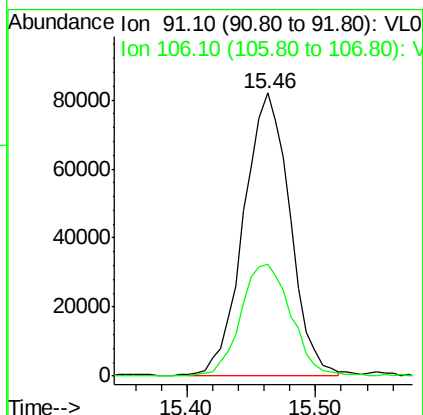
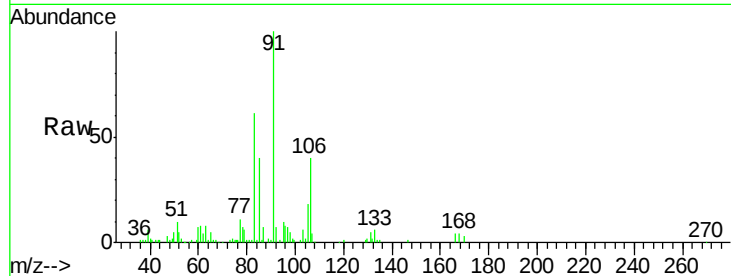




#60
o-Xylene
Concen: 0.42 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

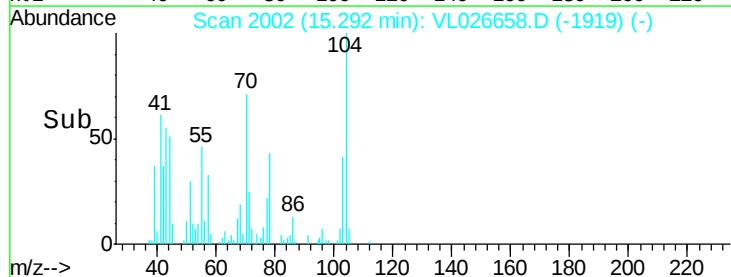
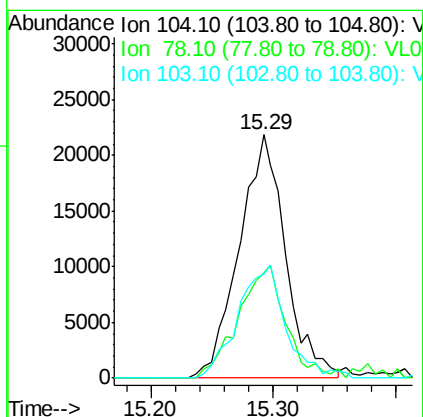
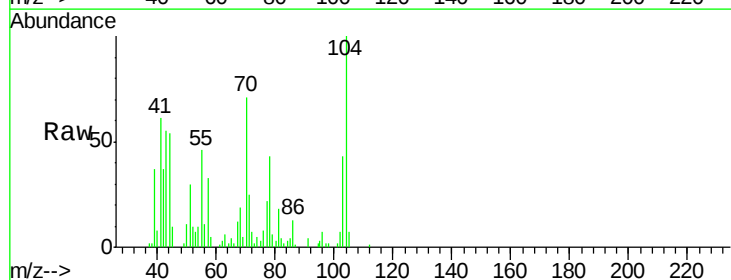
Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

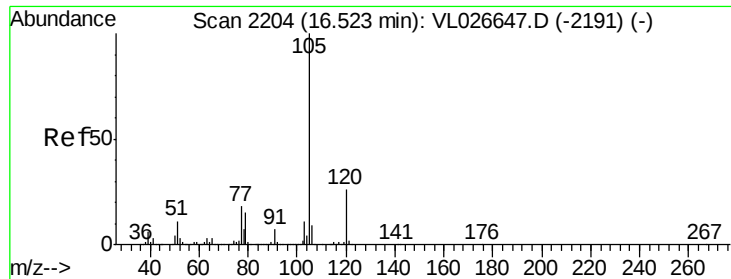
Tot Ion: 91 Resp: 204481
Ion Ratio Lower Upper
91 100
106 43.3 21.5 64.5



#61
Styrene
Concen: 0.31 ppbv
RT: 15.29 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion: 104 Resp: 57571
Ion Ratio Lower Upper
104 100
78 47.2 39.6 59.4
103 48.0 37.8 56.6





#62

Isopropylbenzene

Concen: 0.40 ppbv

RT: 16.52 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

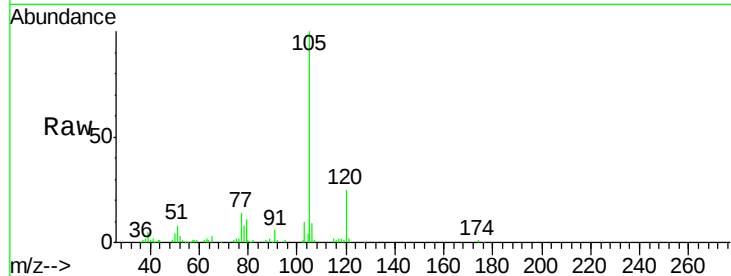
AIR-LOD

Tot Ion:105 Resp: 255898

Ion Ratio Lower Upper

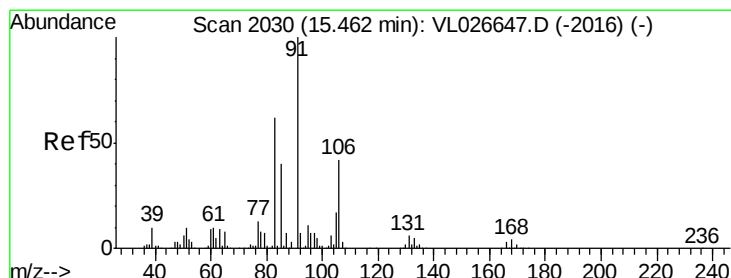
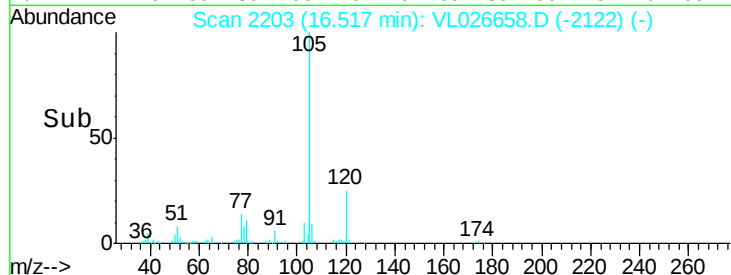
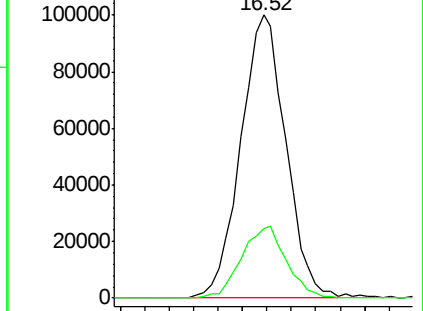
105 100

120 25.3 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.44 ppbv

RT: 15.45 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

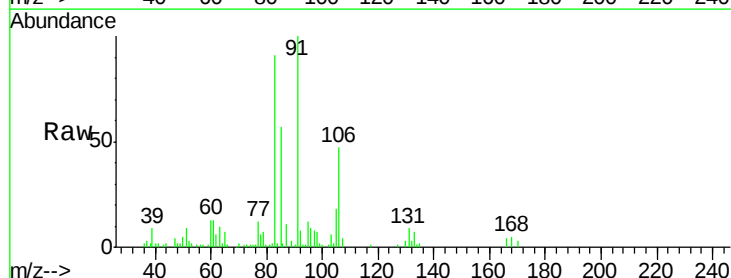
Tgt Ion: 83 Resp: 156650

Ion Ratio Lower Upper

83 100

131 8.2 4.5 13.4

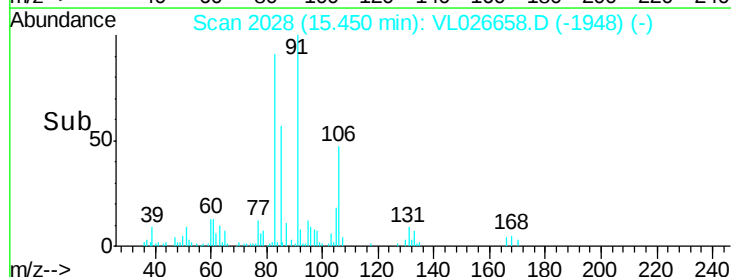
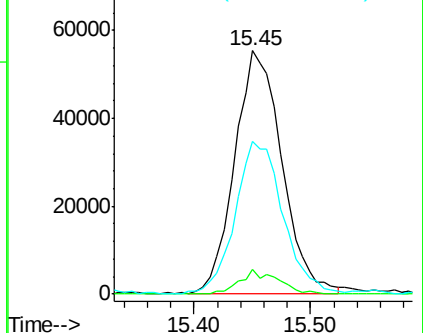
85 64.6 32.6 97.7

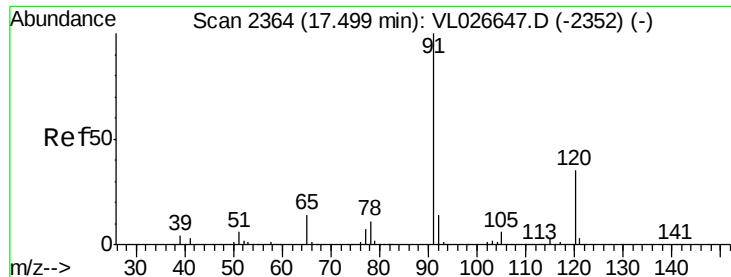


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.39 ppbv

RT: 17.50 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

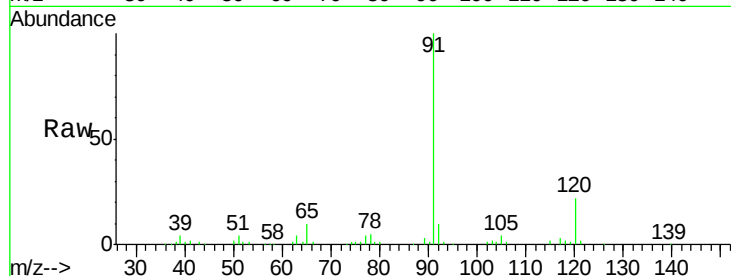
AIR-LOD

Tot Ion:120 Resp: 66402

Ion Ratio Lower Upper

120 100

91 497.1 375.8 563.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

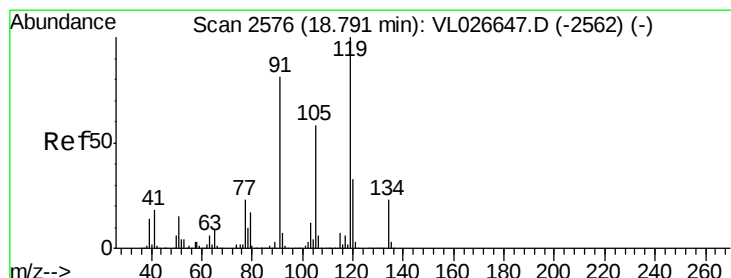
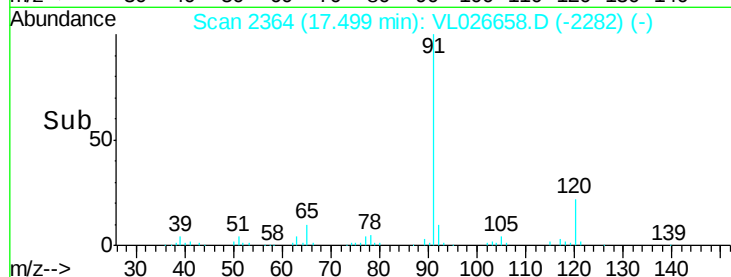
100000

50000

0

17.40 17.50

Time-->



#65

tert-Butylbenzene

Concen: 0.42 ppbv

RT: 18.79 min Scan# 2575

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

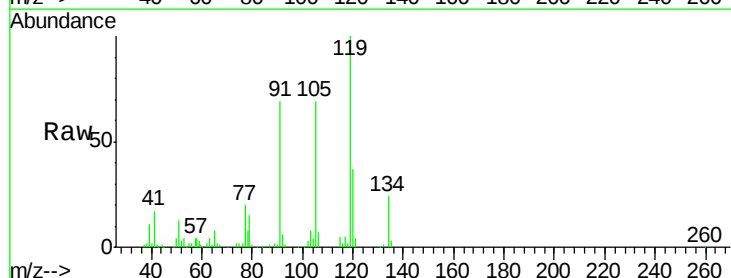
Tgt Ion:119 Resp: 247807

Ion Ratio Lower Upper

119 100

91 76.0 64.8 97.2

134 22.4 17.4 26.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

120000

100000

80000

60000

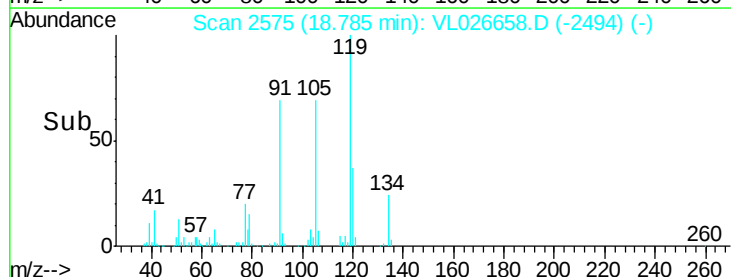
40000

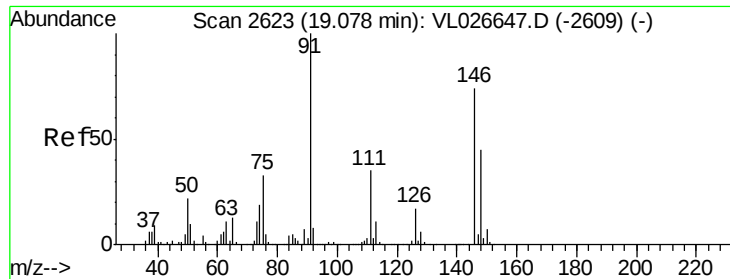
20000

0

18.70 18.80

Time-->

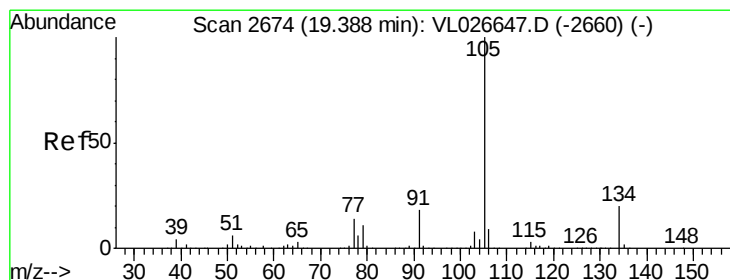
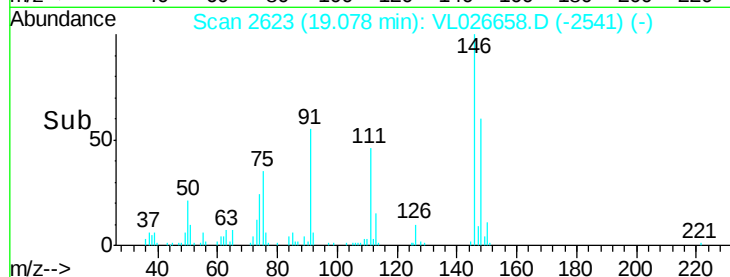
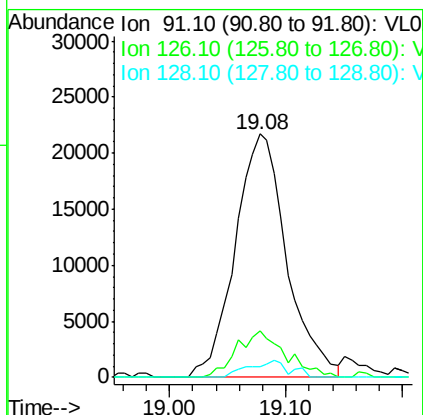
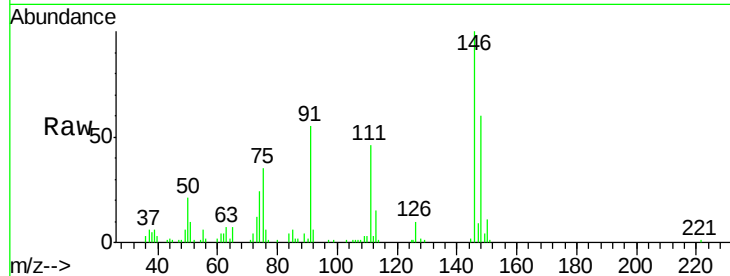




#66
Benzyl Chloride
Concen: 0.32 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

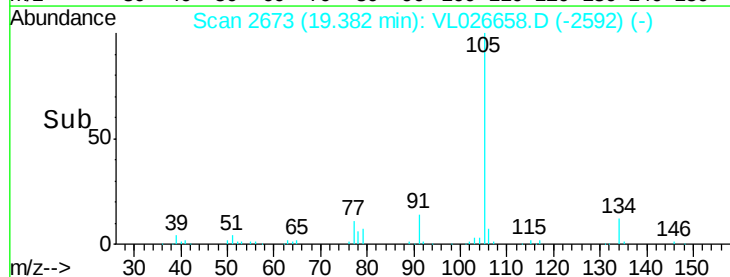
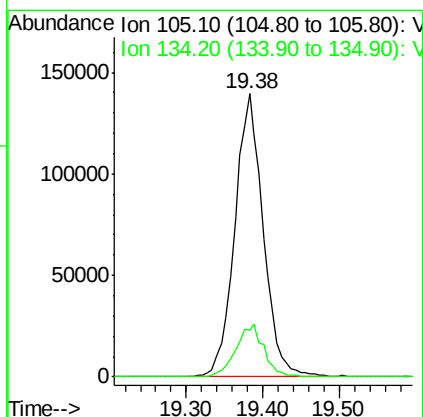
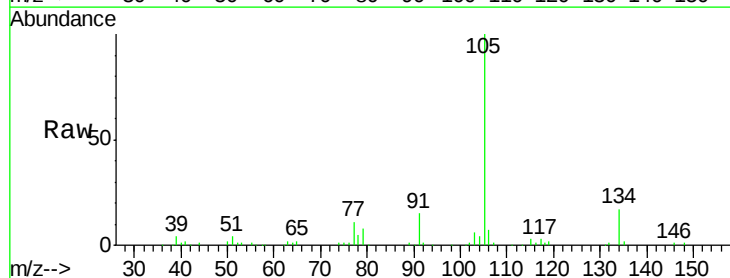
Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

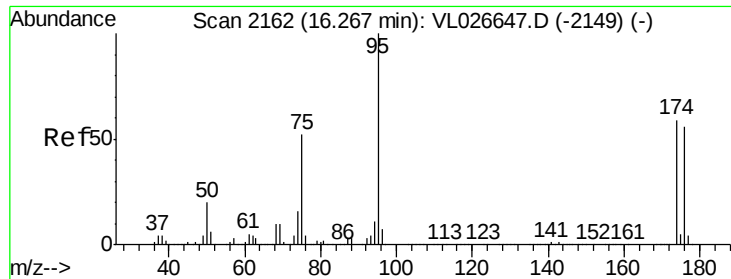
Tot Ion: 91 Resp: 66741
Ion Ratio Lower Upper
91 100
126 18.7 14.2 21.2
128 5.4 4.5 6.7



#67
sec-Butylbenzene
Concen: 0.41 ppbv
RT: 19.38 min Scan# 2673
Delta R.T. -0.01 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion: 105 Resp: 359459
Ion Ratio Lower Upper
105 100
134 18.2 14.9 22.3

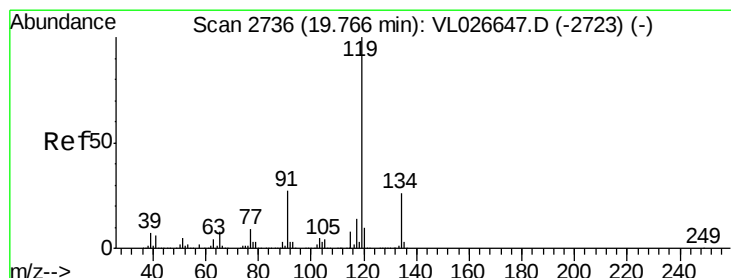
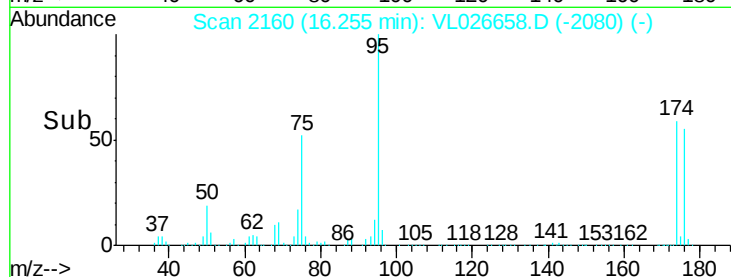
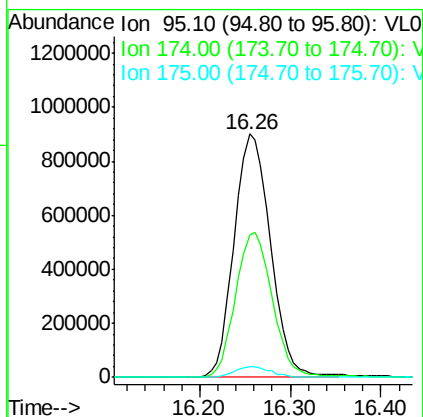
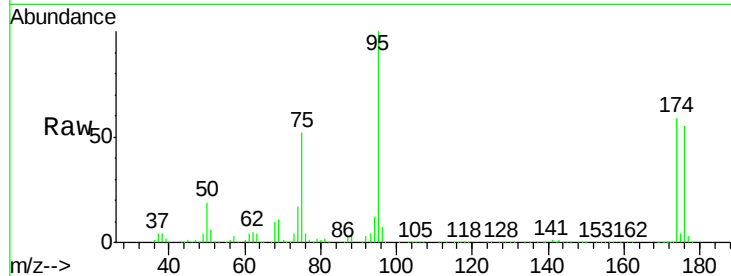




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.42 ppbv
 RT: 16.26 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

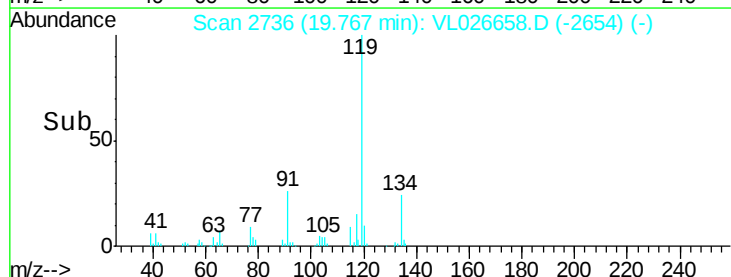
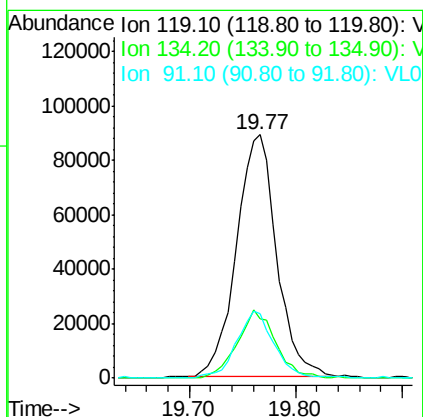
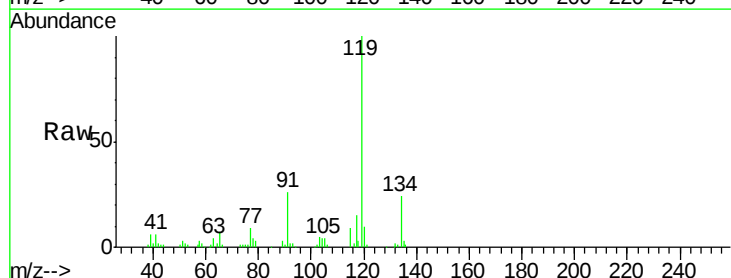
Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-LOD

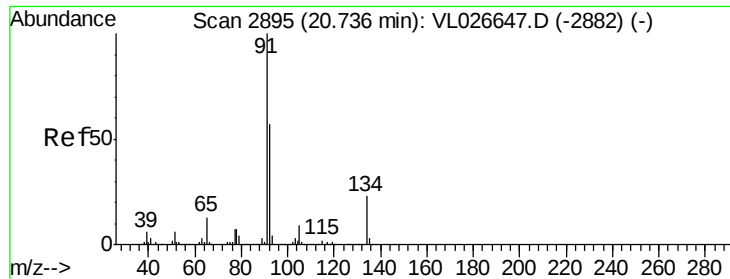
Tot Ion: 95 Resp: 2521006
 Ion Ratio Lower Upper
 95 100
 174 60.5 47.8 71.8
 175 4.5 3.6 5.4



#69
 p-Isopropyltoluene
 Concen: 0.36 ppbv
 RT: 19.77 min Scan# 2736
 Delta R.T. 0.00 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

Tgt Ion: 119 Resp: 236566
 Ion Ratio Lower Upper
 119 100
 134 26.7 20.6 31.0
 91 26.3 21.7 32.5

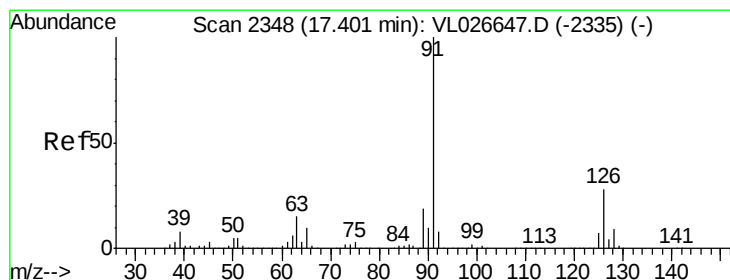
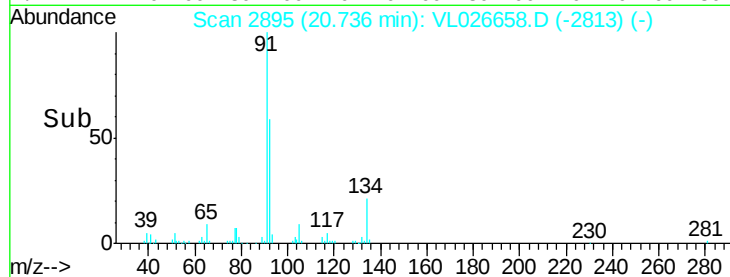
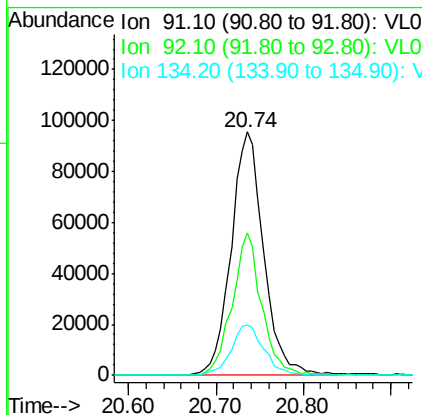
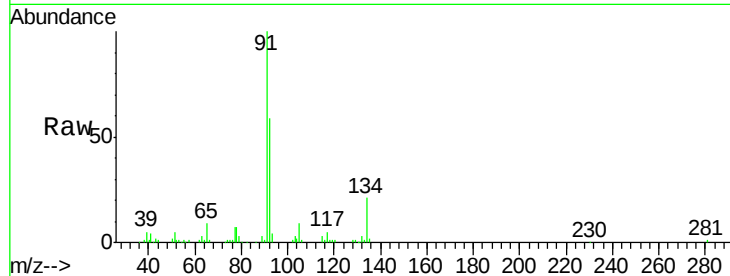




#70
n-Butylbenzene
Concen: 0.36 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

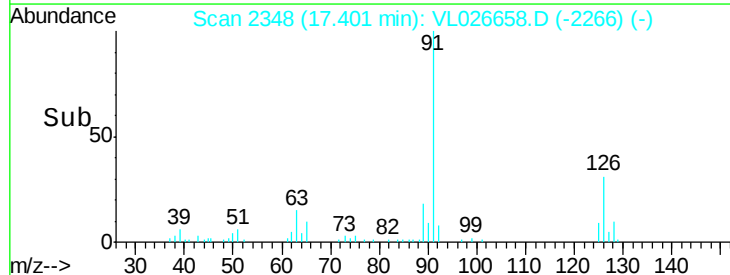
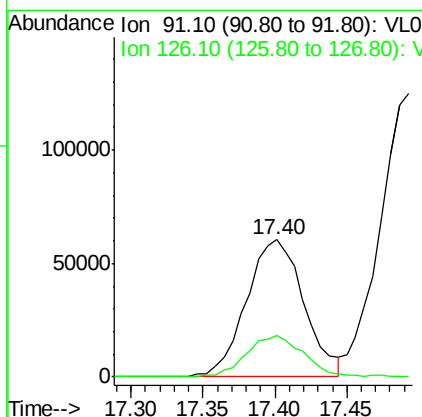
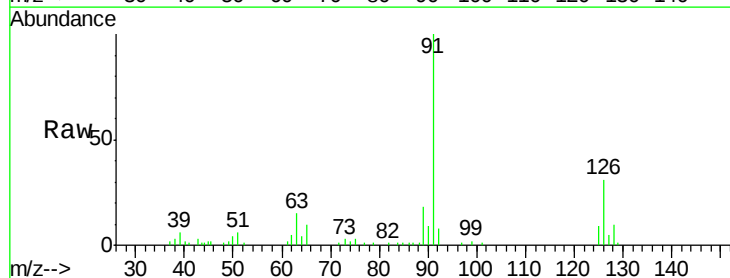
Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

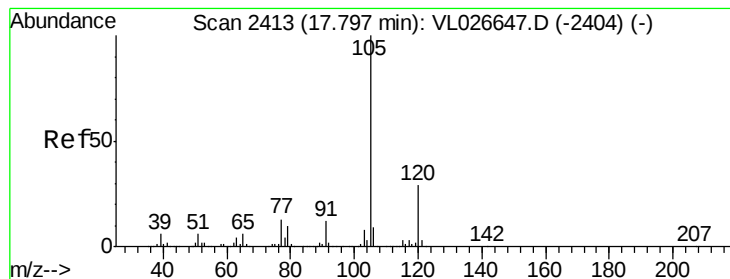
Tot Ion: 91 Resp: 247234
Ion Ratio Lower Upper
91 100
92 53.3 45.0 67.4
134 21.0 18.2 27.2



#71
2-Chlorotoluene
Concen: 0.34 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion: 91 Resp: 167815
Ion Ratio Lower Upper
91 100
126 30.4 11.4 45.8

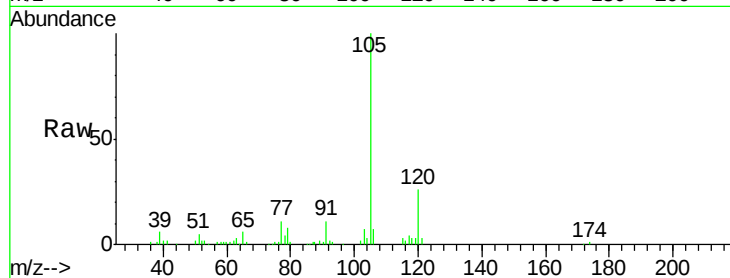




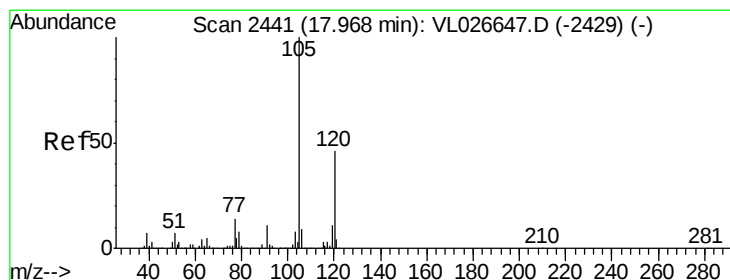
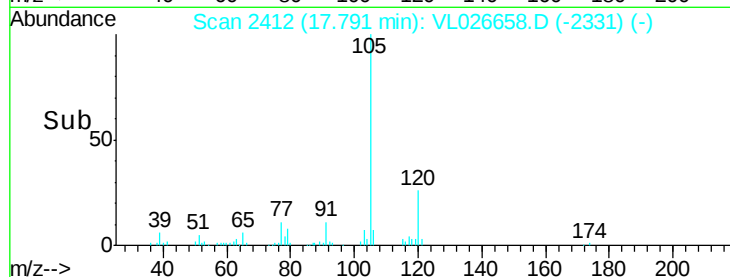
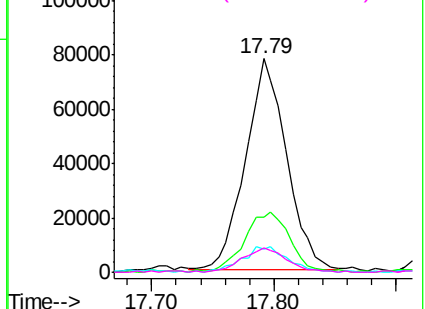
#72
4-Ethyltoluene
Concen: 0.34 ppbv
RT: 17.79 min Scan# 2412
Delta R.T. -0.01 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

Tot Ion:	105	Resp:	182458
Ion	Ratio	Lower	Upper
105	100		
120	32.4	23.7	35.5
91	13.7	9.7	14.5
77	13.1	10.3	15.5

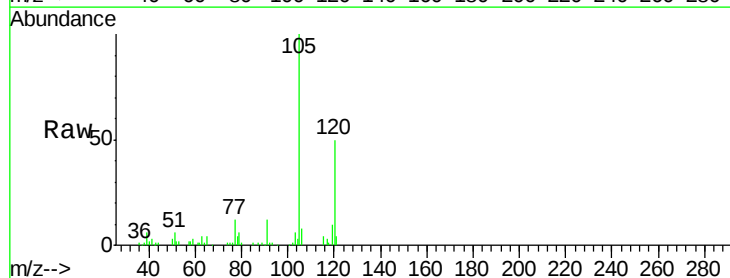


Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

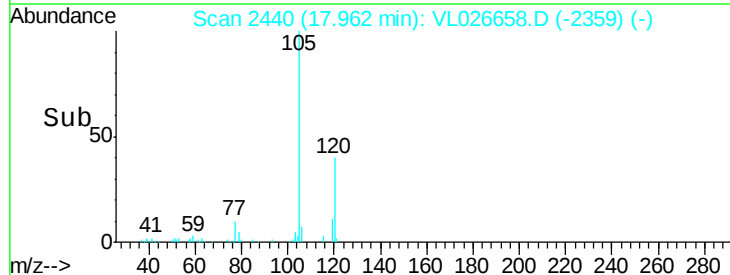
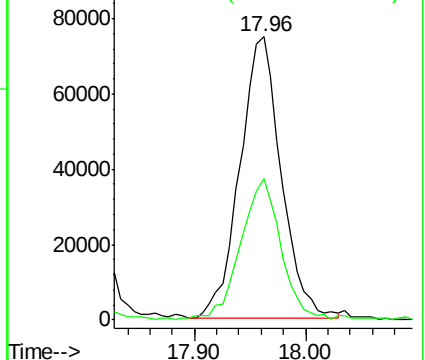


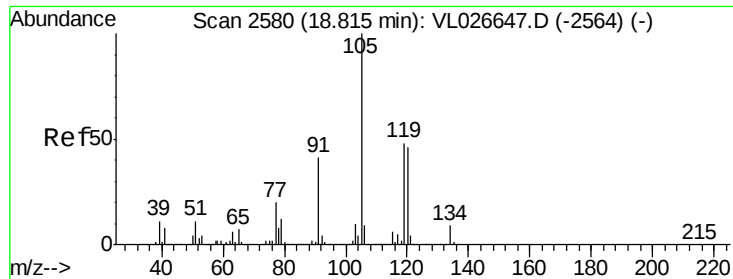
#73
1,3,5-Trimethylbenzene
Concen: 0.38 ppbv
RT: 17.96 min Scan# 2440
Delta R.T. -0.01 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion:	105	Resp:	192282
Ion	Ratio	Lower	Upper
105	100		
120	49.9	36.6	54.8



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

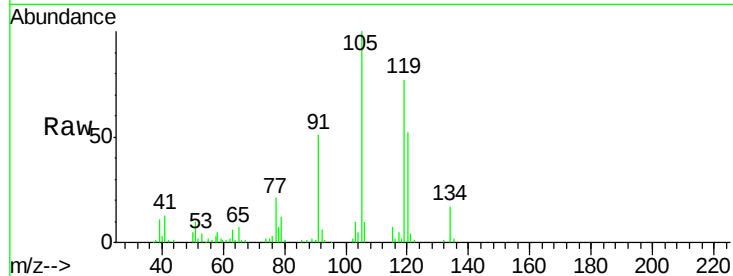




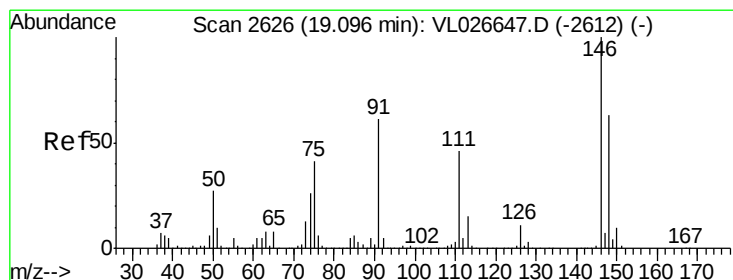
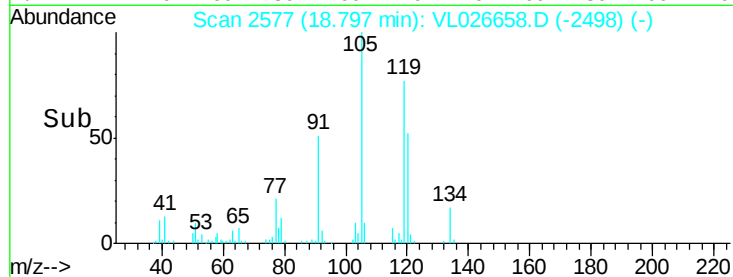
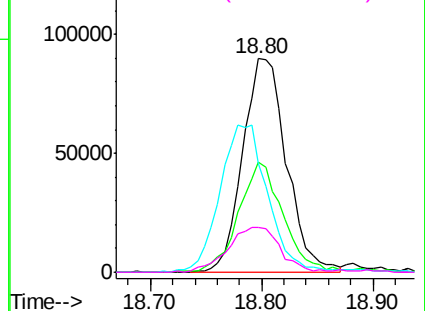
#74
 1,2,4-Trimethylbenzene
 Concen: 0.45 ppbv
 RT: 18.80 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-LOD

Tot Ion:	105	Resp:	245399
Ion	Ratio	Lower	Upper
105	100		
120	50.9	36.6	55.0
91	49.6	32.5	48.7#
77	20.5	15.7	23.5

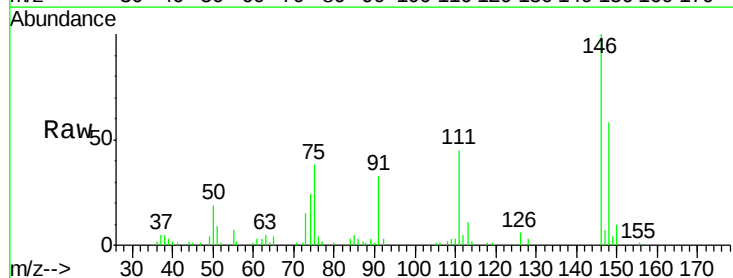


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

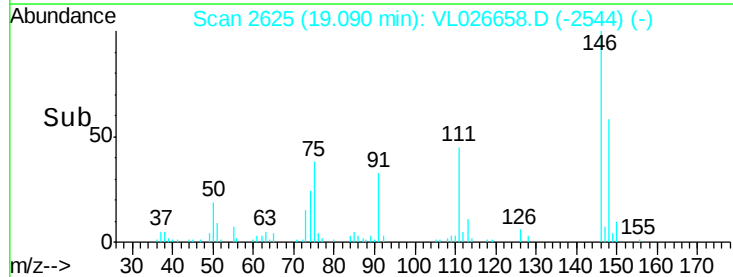
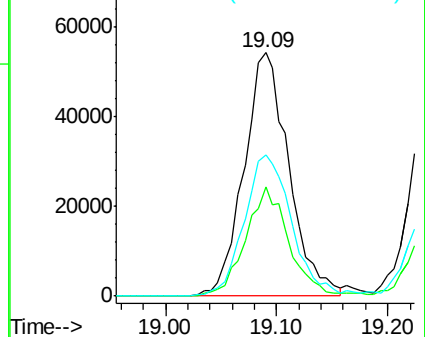


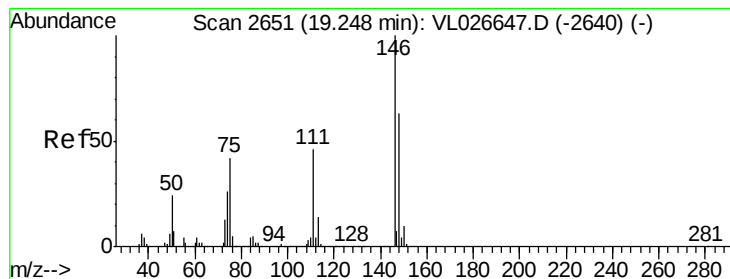
#75
 1,3-Dichlorobenzene
 Concen: 0.45 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026658.D
 Acq: 9 Jan 2016 3:16

Tgt Ion:	146	Resp:	151943
Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.9	68.5
148	61.4	31.6	95.0



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: 0.42 ppbv

RT: 19.25 min Scan# 2651

Delta R.T. 0.00 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

Instrument :

MSVOA_L

ClientSampleId :

AIR-LOD

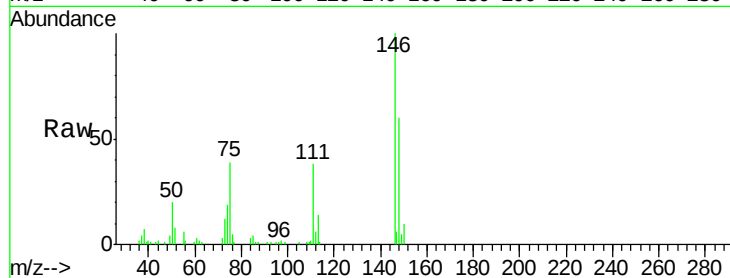
Tot Ion:146 Resp: 144351

Ion Ratio Lower Upper

146 100

111 42.9 22.3 66.8

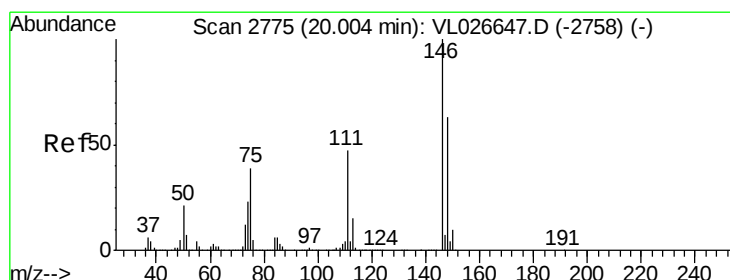
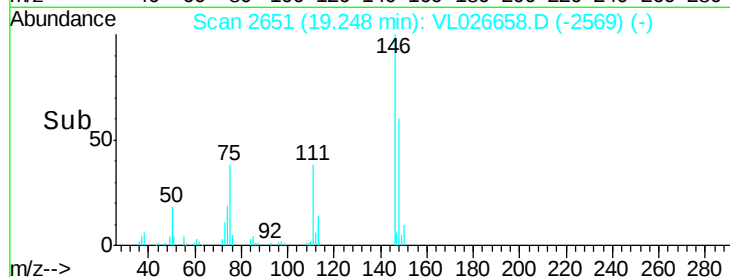
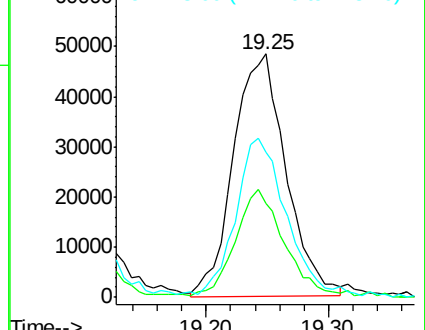
148 64.8 31.9 95.9



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



#77

1,2-Dichlorobenzene

Concen: 0.44 ppbv

RT: 20.00 min Scan# 2774

Delta R.T. -0.01 min

Lab File: VL026658.D

Acq: 9 Jan 2016 3:16

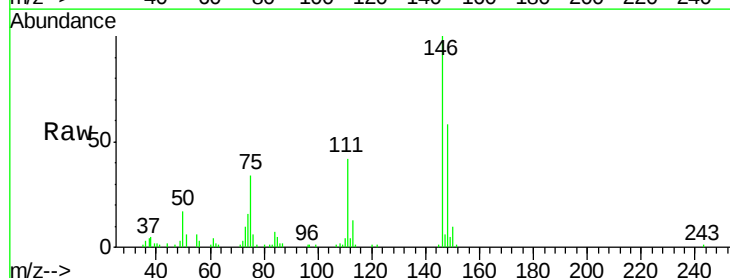
Tgt Ion:146 Resp: 149416

Ion Ratio Lower Upper

146 100

111 45.6 23.7 71.1

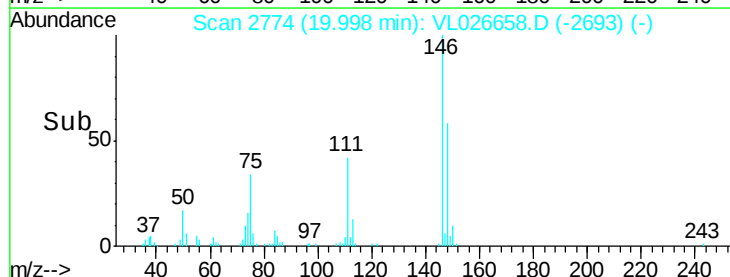
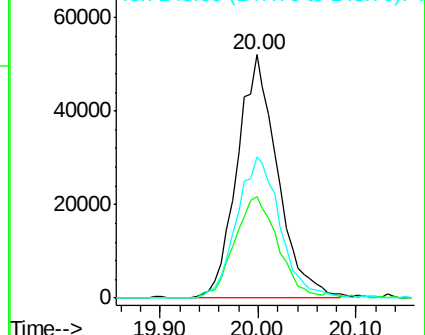
148 62.7 31.1 93.5

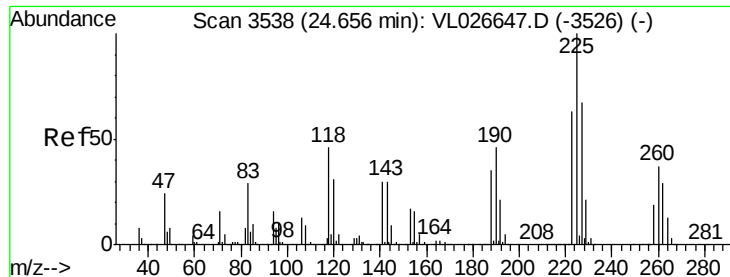


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

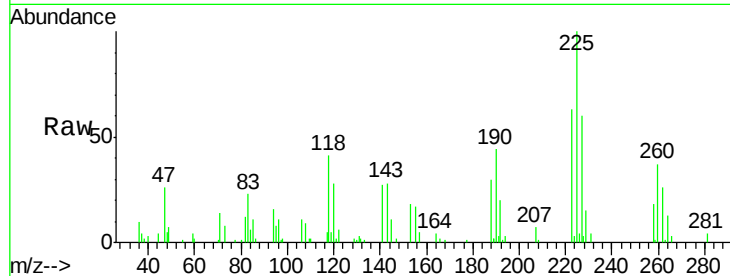




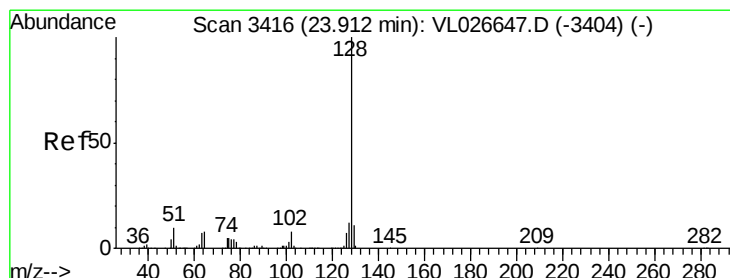
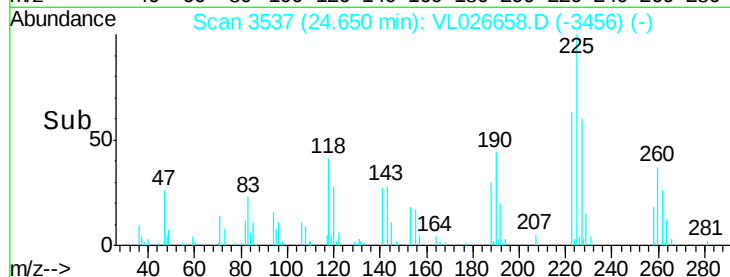
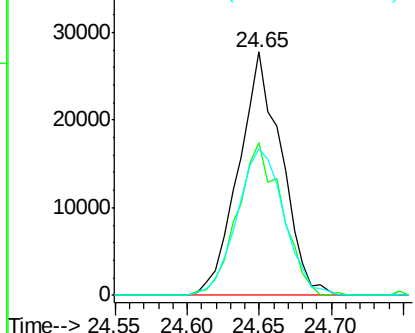
#78
Hexachloro-1,3-Butadiene
Concen: 0.41 ppbv
RT: 24.65 min Scan# 3537
Delta R.T. -0.01 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

Tot Ion:225 Resp: 57389
Ion Ratio Lower Upper
225 100
223 65.2 50.1 75.1
227 66.2 51.1 76.7

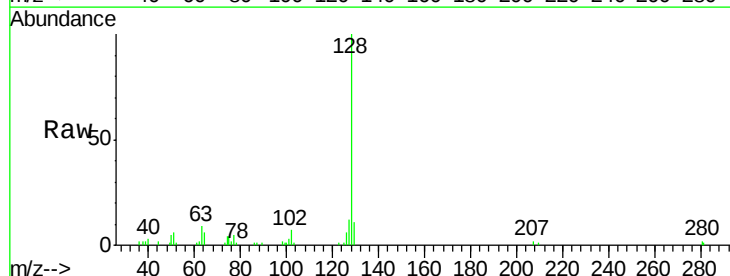


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V

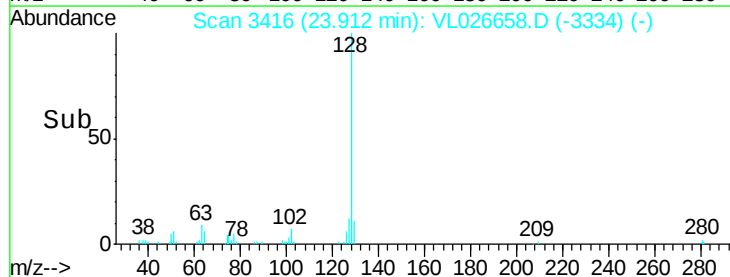
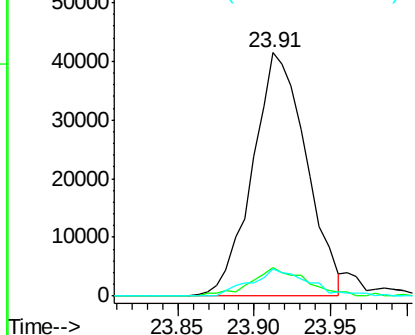


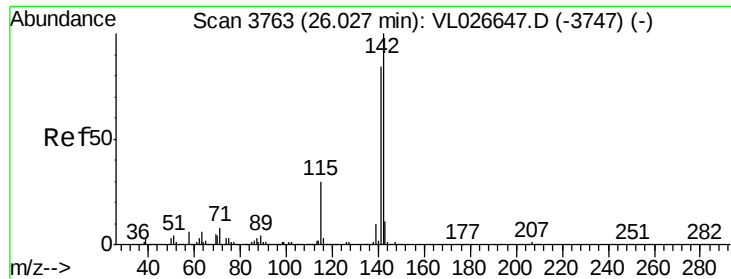
#79
Naphthalene
Concen: 0.28 ppbv
RT: 23.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion:128 Resp: 101053
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 11.0 8.9 13.3



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

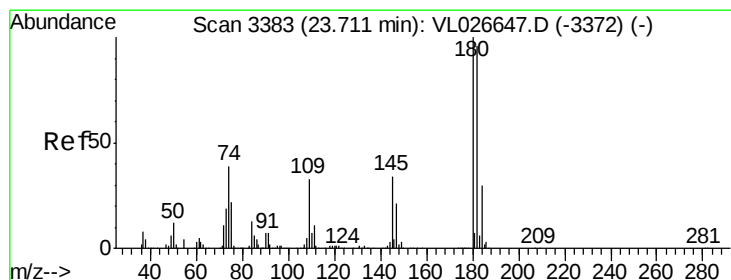
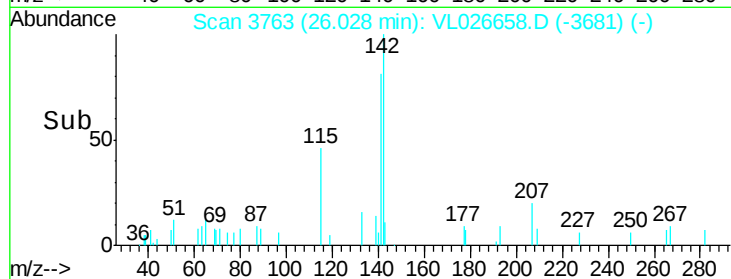
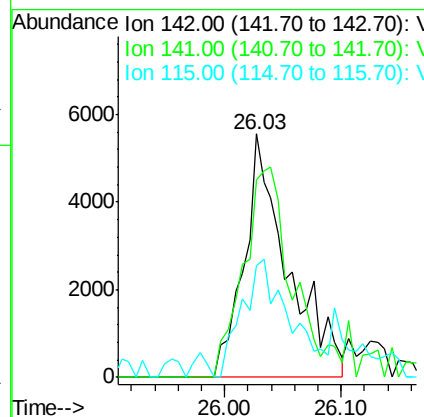
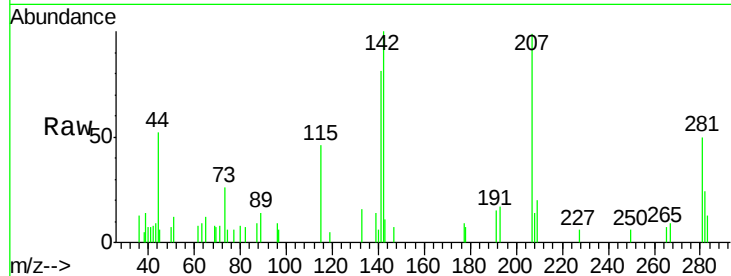




#80
Naphthalene, 2-methyl-
Concen: 0.25 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Instrument :
MSVOA_L
ClientSampleId :
AIR-LOD

Tot Ion:142 Resp: 14495
Ion Ratio Lower Upper
142 100
141 107.6 67.0 100.6#
115 78.9 24.7 37.1#



#81
1,2,4-Trichlorobenzene
Concen: 0.33 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL026658.D
Acq: 9 Jan 2016 3:16

Tgt Ion:180 Resp: 54592
Ion Ratio Lower Upper
180 100
182 96.0 75.4 113.0
184 30.7 24.1 36.1

