

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026665.D
 Acq On : 9 Jan 2016 7:40
 Operator : SY/AP
 Sample : H1002-21
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Quant Time: Jan 12 02:04:58 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	634181	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2037734	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.72	117	2806469	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2325779	10.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	91847	0.54	ppbv	99
3) Chlorodifluoromethane	3.56	51	41593	0.49	ppbv	99
4) Chloromethane	3.74	50	16542	0.40	ppbv	96
5) Vinyl Chloride	3.88	62	18297	0.37	ppbv	99
6) Bromomethane	4.13	94	16238	0.46	ppbv	85
7) Chloroethane	4.23	64	9314	0.46	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	66348	0.50	ppbv	99
9) Propene	3.57	41	5696	0.19	ppbv #	16
10) Heptane	9.32	43	39068	0.35	ppbv	85
11) Trichlorofluoromethane	4.68	101	95033	0.54	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	53546	0.50	ppbv	98
13) Ethanol	4.32	45	313	0.05	ppbv #	34
14) Bromoethene	4.44	108	16222	0.42	ppbv #	90
15) Acetone	4.62	43	63321	0.61	ppbv #	63
16) 1,3-Butadiene	3.96	39	17386	0.42	ppbv	93
17) tert-Butyl alcohol	5.15	59	27270	0.35	ppbv	97
18) 1,1-Dichloroethene	5.07	96	19643	0.44	ppbv	93
19) Isopropyl Alcohol	4.78	45	16294	0.38	ppbv #	96
20) Methylene Chloride	5.14	84	23605	0.55	ppbv	94
21) Allyl Chloride	5.21	41	26249	0.41	ppbv #	76
22) trans-1,2-Dichloroethene	5.75	96	22360	0.44	ppbv #	78
23) Vinyl Acetate	5.97	43	55496	0.35	ppbv #	95
24) 1,1-Dichloroethane	5.89	63	47860	0.41	ppbv	98
25) Ethyl Acetate	6.67	43	46377	0.29	ppbv #	87
26) Hexane	6.64	57	30029	0.36	ppbv	95
27) Carbon Disulfide	5.37	76	55103	0.45	ppbv #	79
28) Methyl tert-Butyl Ether	5.96	73	59518	0.36	ppbv	100
29) Chloroform	6.72	83	74924	0.50	ppbv	93
30) Cyclohexane	8.27	84	31926	0.39	ppbv #	28
31) cis-1,2-Dichloroethene	6.50	61	29592	0.35	ppbv	96
32) 1,1,1-Trichloroethane	7.57	97	76292	0.45	ppbv	97
35) Carbon Tetrachloride	8.13	117	73956	0.41	ppbv	99
36) Benzene	8.00	78	65424	0.31	ppbv	94
37) 1,2-Dichloroethane	7.35	62	62816	0.44	ppbv	98
38) Trichloroethene	9.05	130	35650	0.38	ppbv	91
39) 1,2-Dichloropropane	8.80	63	27539	0.38	ppbv #	90
40) 1,4-Dioxane	9.15	88	593	0.04	ppbv #	1
41) Tetrahydrofuran	7.15	42	14307	0.27	ppbv	98
42) Bromodichloromethane	9.00	83	77208	0.42	ppbv	97
43) Methyl Methacrylate	9.24	69	21248	0.28	ppbv	92
44) 2,2,4-Trimethylpentane	9.06	57	110854	0.33	ppbv	94

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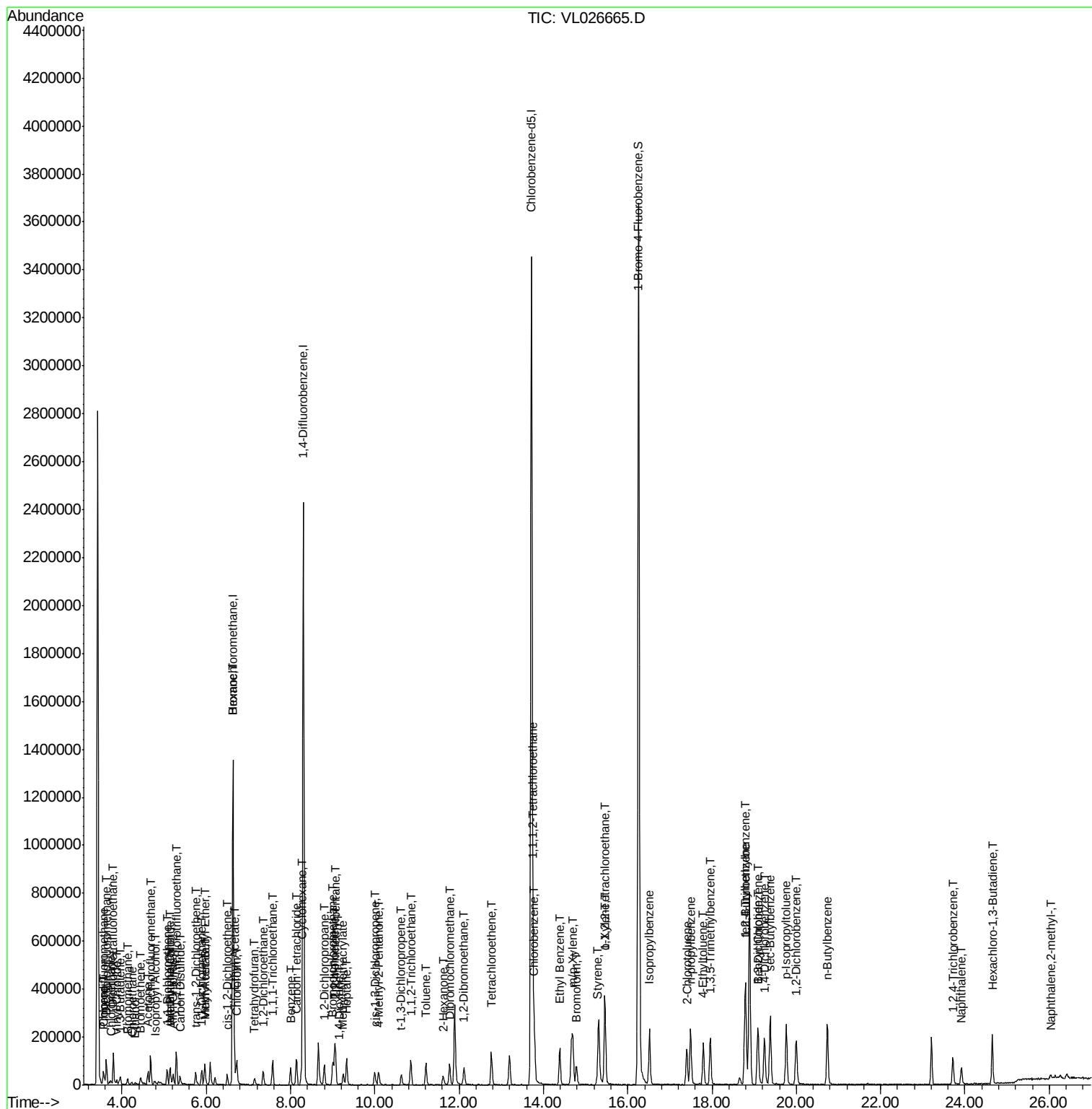
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	10.63	75	32699	0.26	ppbv	94
46) cis-1,3-Dichloropropene	9.99	75	41647	0.30	ppbv	89
47) 1,1,2-Trichloroethane	10.85	97	42892	0.42	ppbv	95
48) Dibromochloromethane	11.77	129	64885	0.42	ppbv	98
49) Bromoform	14.78	173	48290	0.38	ppbv	92
50) 4-Methyl-2-Pentanone	10.09	43	40807	0.27	ppbv	100
51) 2-Hexanone	11.62	43	31527	0.22	ppbv #	95
52) Tetrachloroethene	12.76	164	41601	0.40	ppbv	96
53) Toluene	11.21	91	88307	0.30	ppbv	99
54) 1,2-Dibromoethane	12.12	107	68388	0.42	ppbv	95
56) 1,1,1,2-Tetrachloroethane	13.76	131	57986	0.45	ppbv #	1
57) Chlorobenzene	13.79	112	135975	0.47	ppbv	90
58) Ethyl Benzene	14.39	91	157754	0.31	ppbv	96
59) m/p-Xylene	14.69	91	219669	0.53	ppbv #	65
60) o-Xylene	15.46	91	192004	0.43	ppbv	98
61) Styrene	15.29	104	30685	0.18	ppbv #	41
62) Isopropylbenzene	16.52	105	231130	0.39	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.46	83	148773	0.45	ppbv	99
64) n-propylbenzene	17.49	120	61012	0.38	ppbv	86
65) tert-Butylbenzene	18.78	119	227628	0.42	ppbv	96
66) Benzyl Chloride	19.08	91	60711	0.31	ppbv	95
67) sec-Butylbenzene	19.38	105	329132	0.41	ppbv	99
69) p-Isopropyltoluene	19.76	119	225219	0.37	ppbv	99
70) n-Butylbenzene	20.74	91	221909	0.35	ppbv	97
71) 2-Chlorotoluene	17.40	91	152372	0.33	ppbv	97
72) 4-Ethyltoluene	17.80	105	172012	0.34	ppbv	98
73) 1,3,5-Trimethylbenzene	17.96	105	175358	0.37	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	222754	0.44	ppbv	96
75) 1,3-Dichlorobenzene	19.10	146	144661	0.47	ppbv	98
76) 1,4-Dichlorobenzene	19.24	146	139532	0.44	ppbv	98
77) 1,2-Dichlorobenzene	20.00	146	142545	0.45	ppbv	96
78) Hexachloro-1,3-Butadiene	24.65	225	52716	0.41	ppbv	98
79) Naphthalene	23.92	128	86558	0.26	ppbv	96
80) Naphthalene,2-methyl-	26.04	142	14722	0.28	ppbv #	85
81) 1,2,4-Trichlorobenzene	23.71	180	48190	0.31	ppbv	91

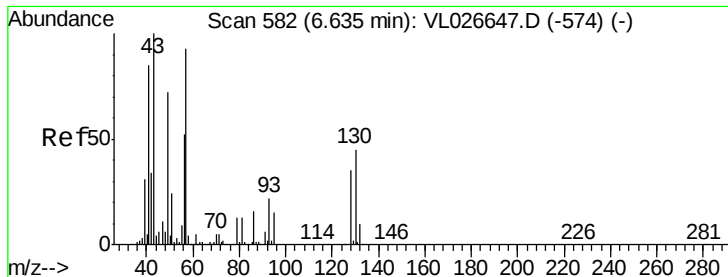
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

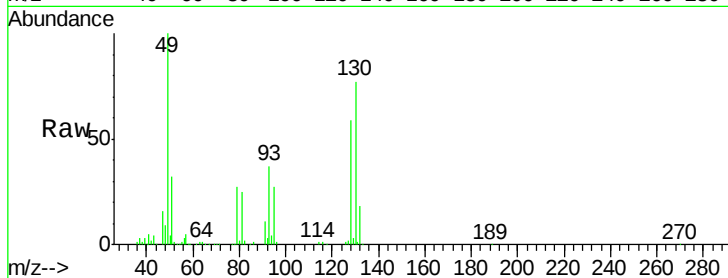
Tot Ion: 49 Resp: 634181

Ion Ratio Lower Upper

49 100

128 59.1 25.9 77.7

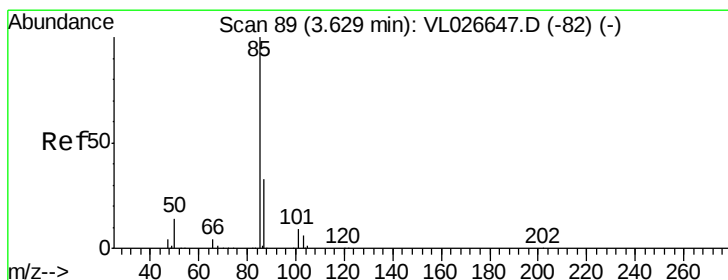
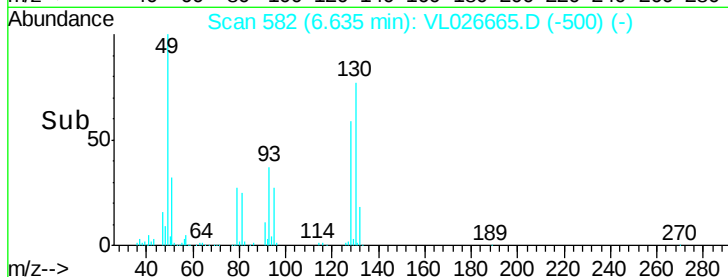
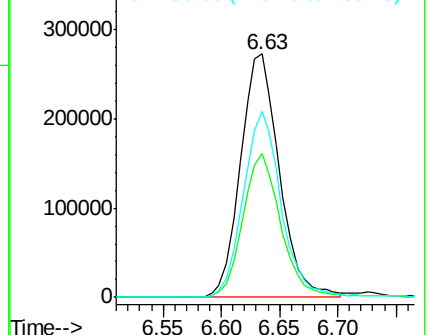
130 75.5 33.6 100.8



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: 0.54 ppbv

RT: 3.63 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL026665.D

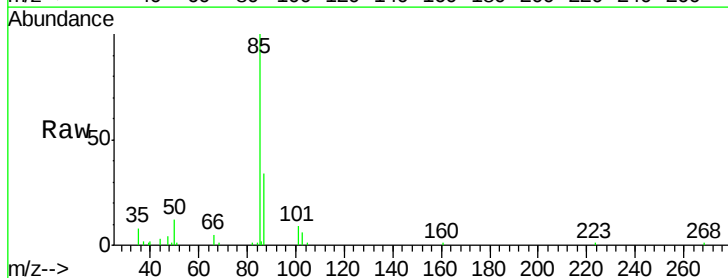
Acq: 9 Jan 2016 7:40

Tgt Ion: 85 Resp: 91847

Ion Ratio Lower Upper

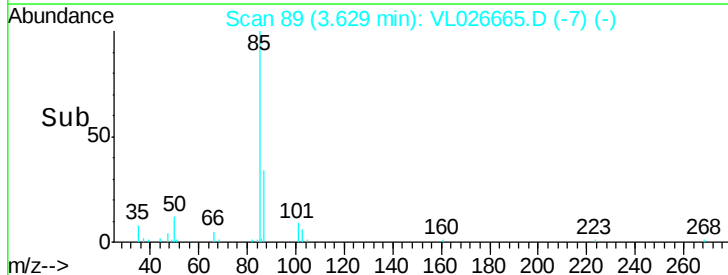
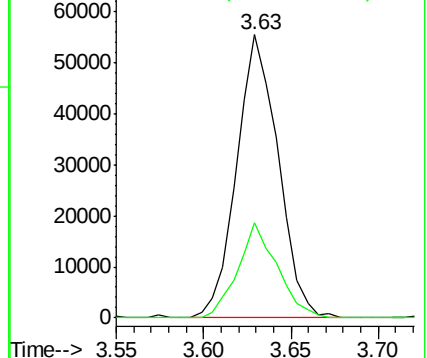
85 100

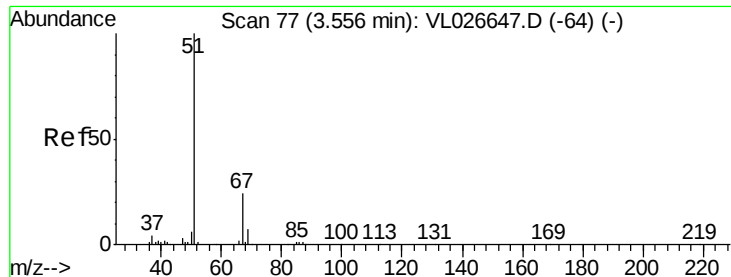
87 33.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.49 ppbv

RT: 3.56 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

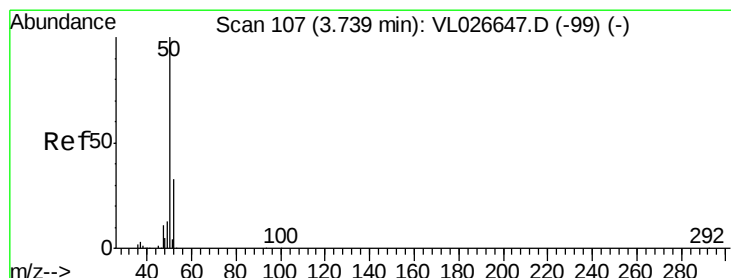
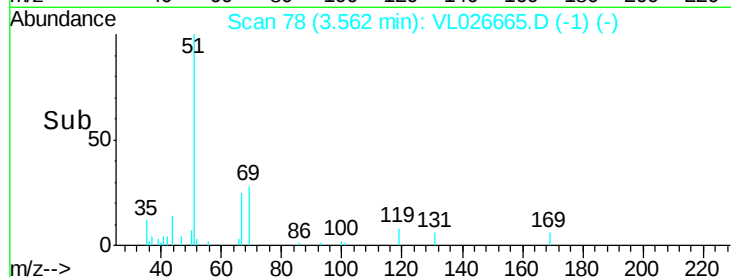
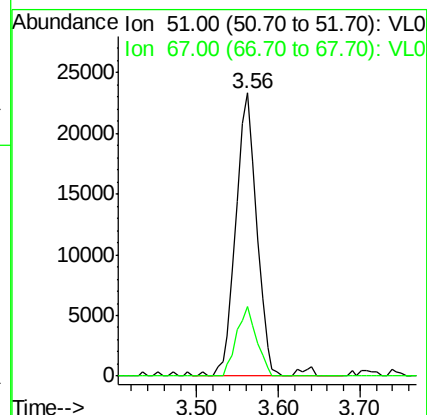
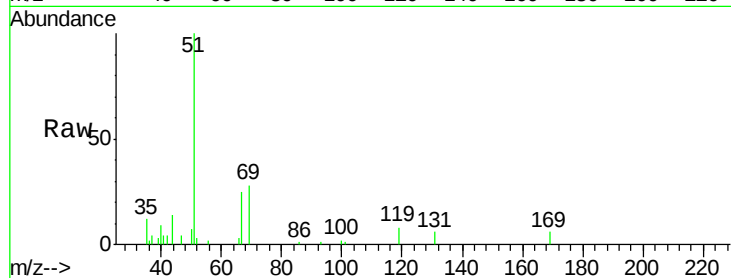
MDL-AIR-7

Tot Ion: 51 Resp: 41593

Ion Ratio Lower Upper

51 100

67 22.9 18.6 28.0



#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.74 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL026665.D

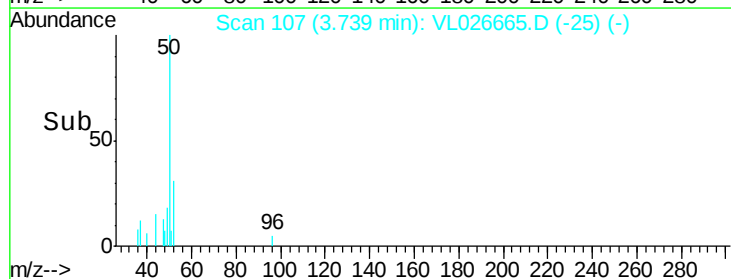
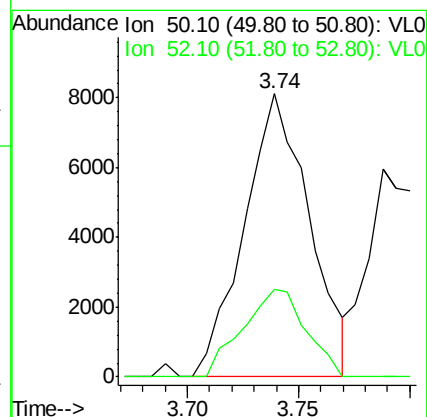
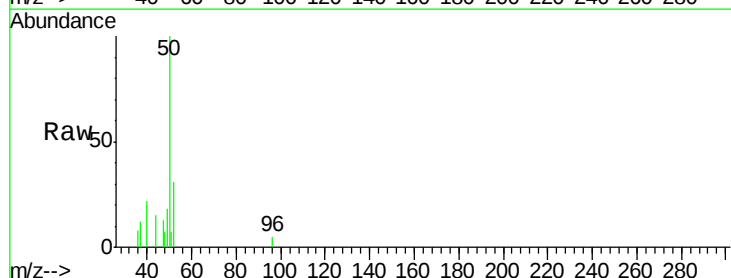
Acq: 9 Jan 2016 7:40

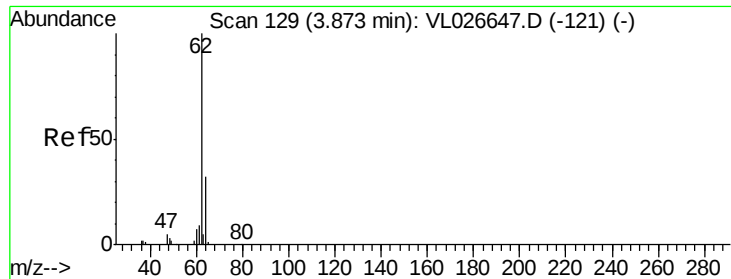
Tgt Ion: 50 Resp: 16542

Ion Ratio Lower Upper

50 100

52 31.0 26.7 40.1





#5

Vinyl Chloride

Concen: 0.37 ppbv

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

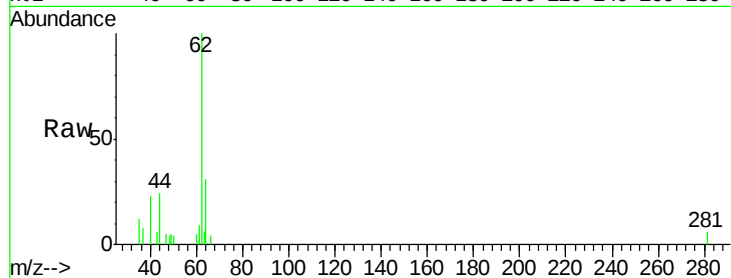
MDL-AIR-7

Tot Ion: 62 Resp: 18297

Ion Ratio Lower Upper

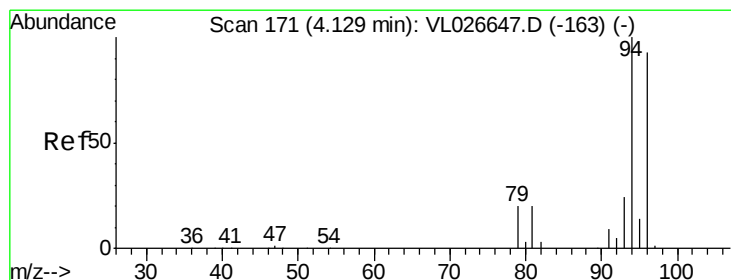
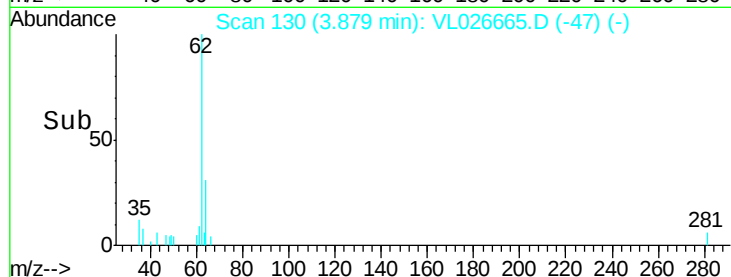
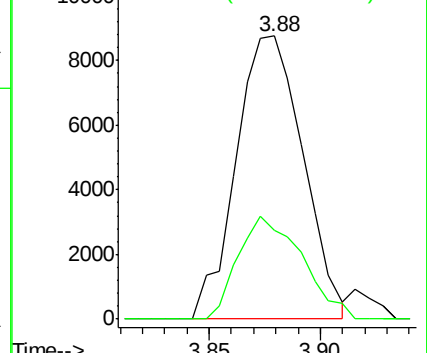
62 100

64 31.2 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: VL026665.D

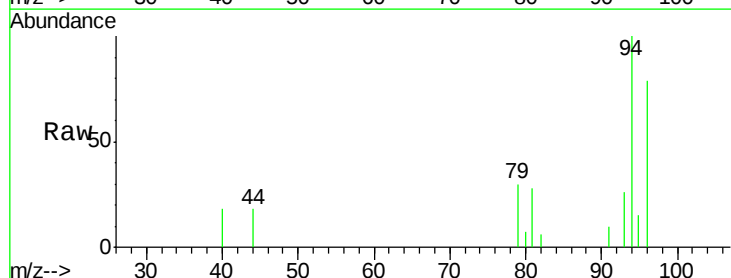
Acq: 9 Jan 2016 7:40

Tgt Ion: 94 Resp: 16238

Ion Ratio Lower Upper

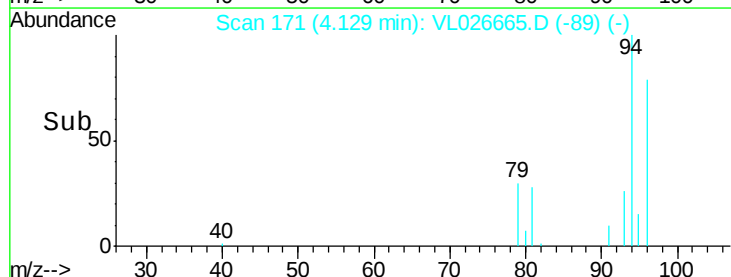
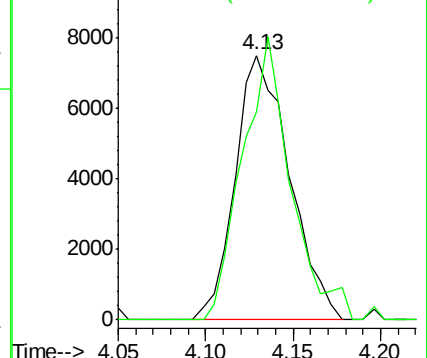
94 100

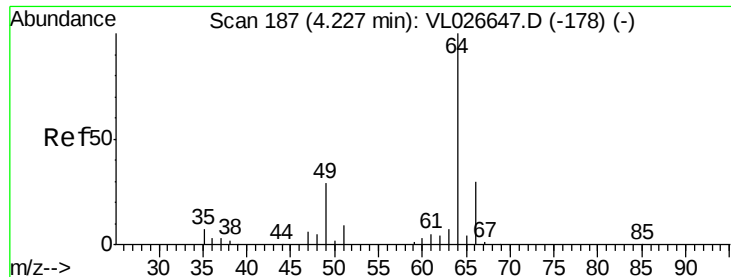
96 78.8 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.46 ppbv

RT: 4.23 min Scan# 188

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

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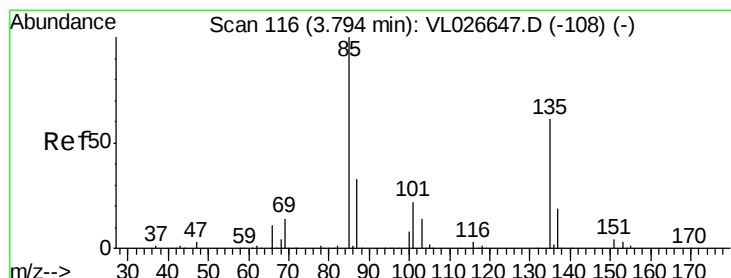
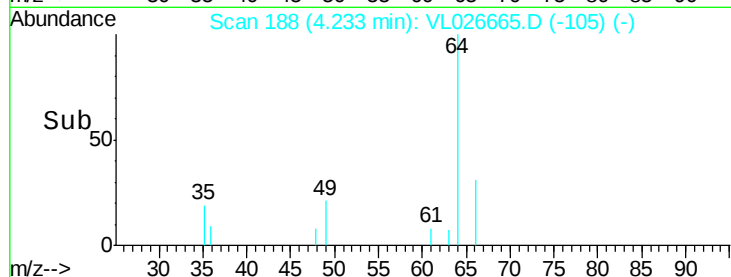
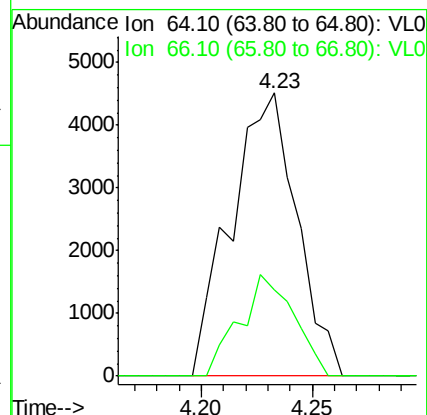
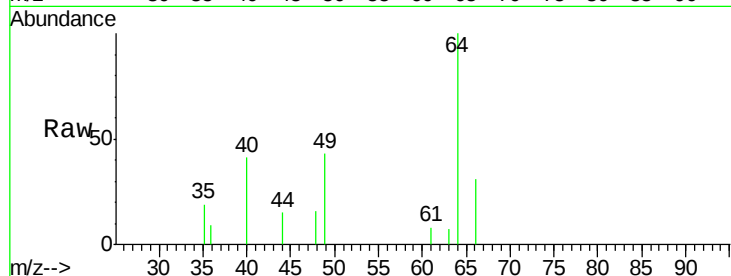
MDL-AIR-7

Tot Ion: 64 Resp: 9314

Ion Ratio Lower Upper

64 100

66 30.6 24.3 36.5



#8

Dichlorotetrafluoroethane

Concen: 0.50 ppbv

RT: 3.79 min Scan# 116

Delta R.T. -0.00 min

Lab File: VL026665.D

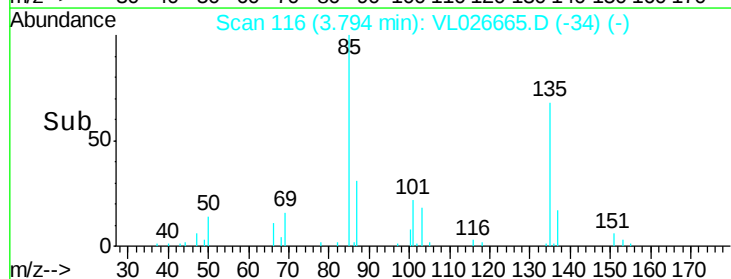
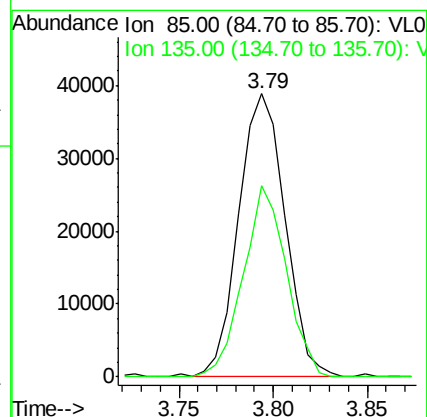
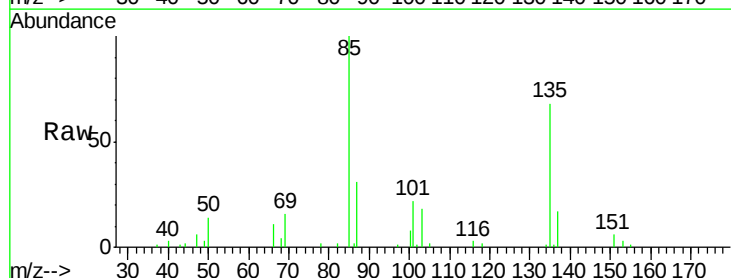
Acq: 9 Jan 2016 7:40

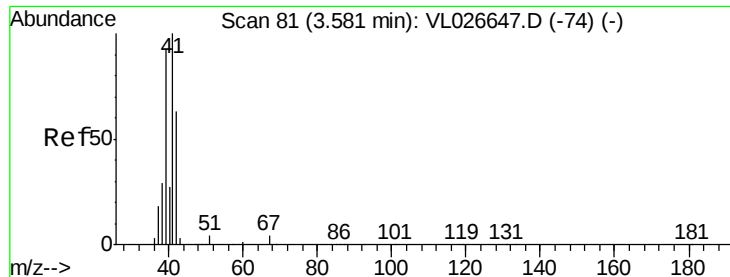
Tgt Ion: 85 Resp: 66348

Ion Ratio Lower Upper

85 100

135 62.7 49.8 74.6





#9

Propene

Concen: 0.19 ppbv

RT: 3.57 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

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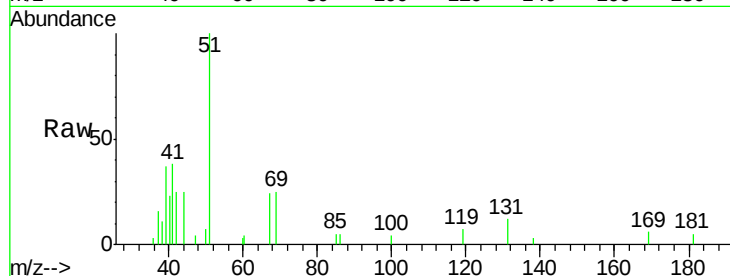
MDL-AIR-7

Tot Ion: 41 Resp: 5696

Ion Ratio Lower Upper

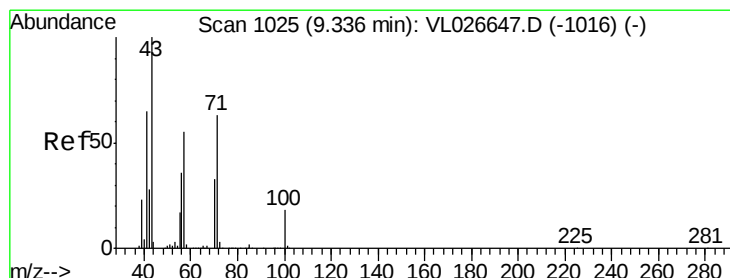
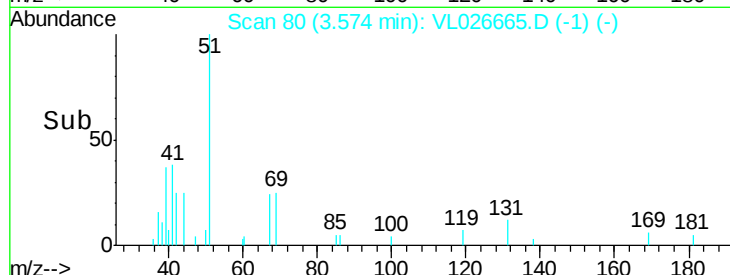
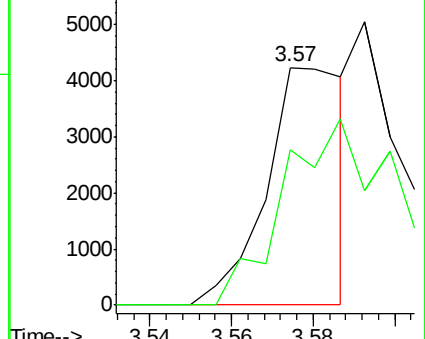
41 100

42 0.0 53.6 80.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.35 ppbv

RT: 9.32 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL026665.D

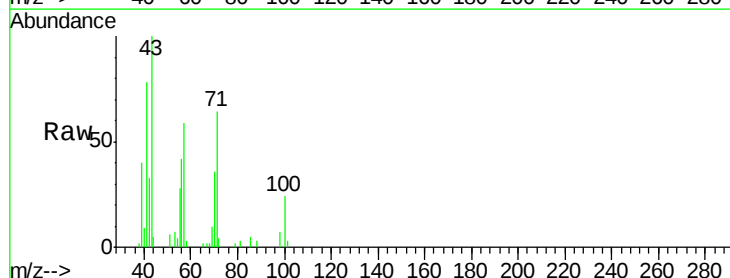
Acq: 9 Jan 2016 7:40

Tgt Ion: 43 Resp: 39068

Ion Ratio Lower Upper

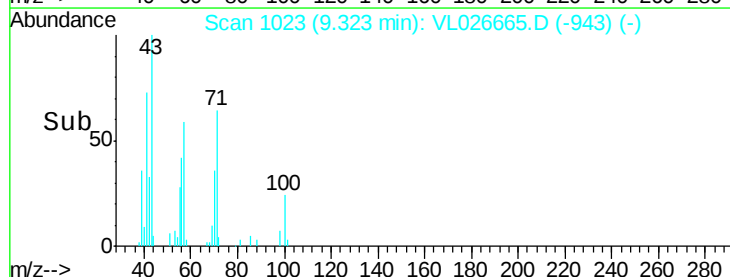
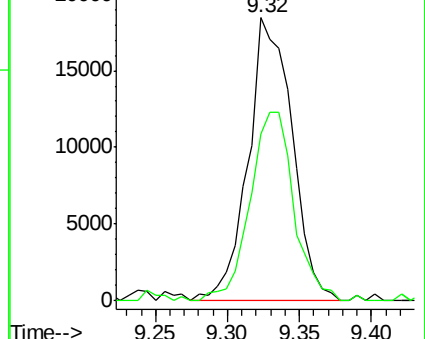
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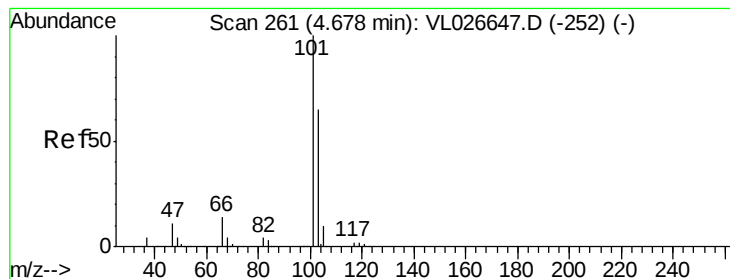
57 68.3 45.8 68.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.54 ppbv

RT: 4.68 min Scan# 261

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

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MSVOA_L

ClientSampleId :

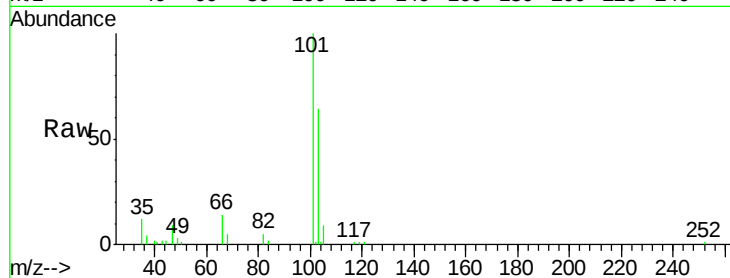
MDL-AIR-7

Tot Ion:101 Resp: 95033

Ion Ratio Lower Upper

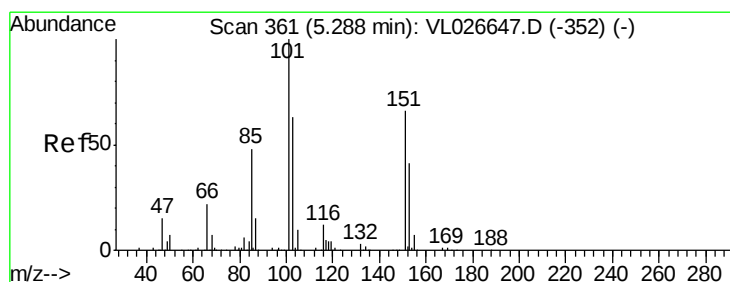
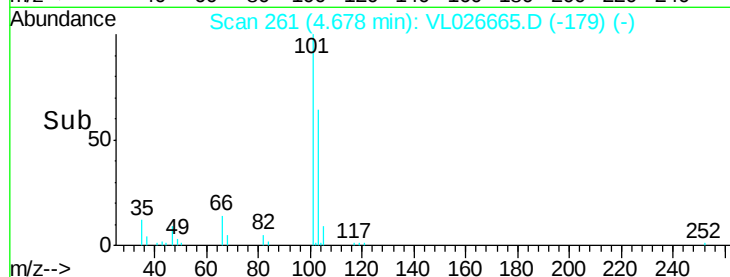
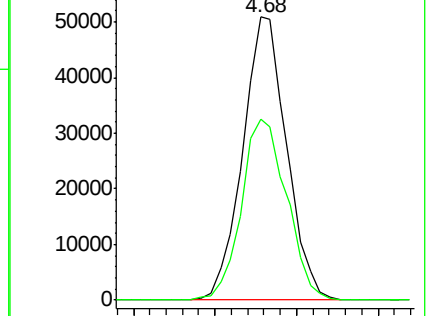
101 100

103 64.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.50 ppbv

RT: 5.29 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL026665.D

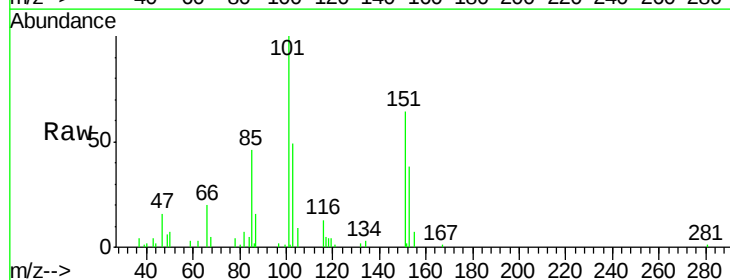
Acq: 9 Jan 2016 7:40

Tgt Ion:101 Resp: 53546

Ion Ratio Lower Upper

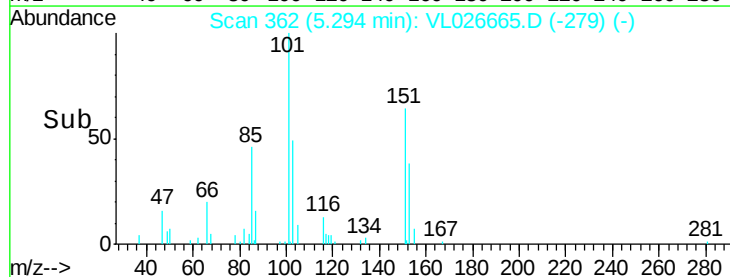
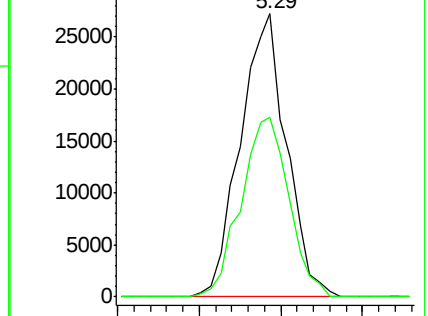
101 100

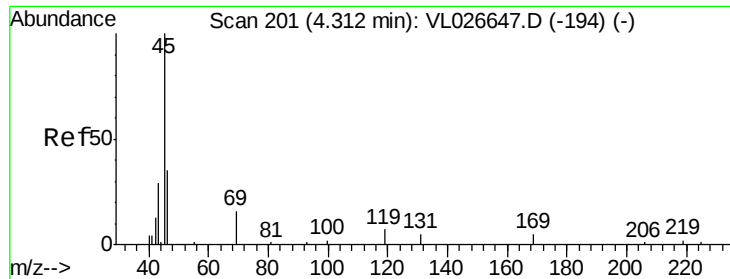
151 66.0 54.2 81.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.05 ppbv

RT: 4.32 min Scan# 203

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

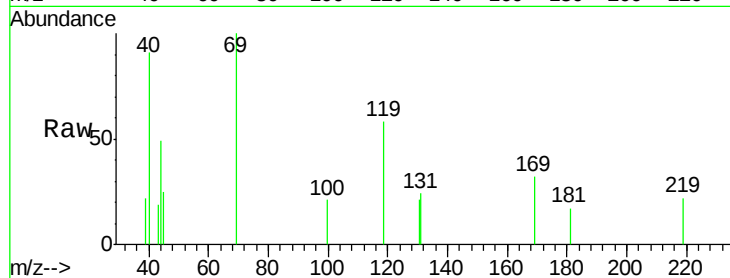
MDL-AIR-7

Tot Ion: 45 Resp: 313

Ion Ratio Lower Upper

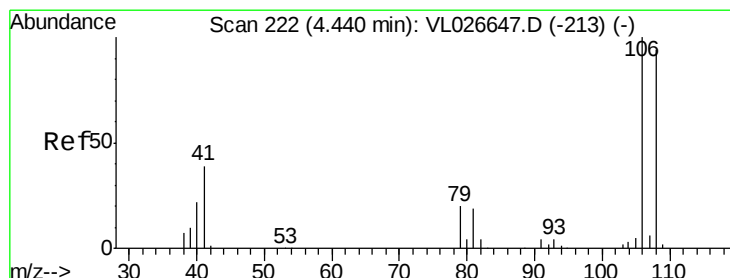
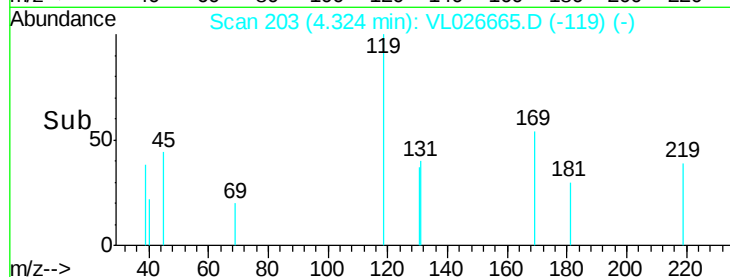
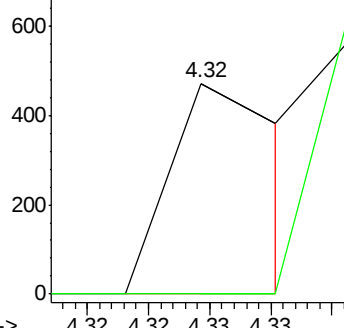
45 100

46 0.0 16.7 66.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.42 ppbv

RT: 4.44 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

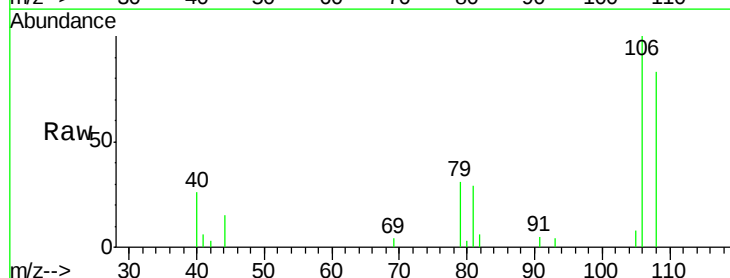
Tgt Ion:108 Resp: 16222

Ion Ratio Lower Upper

108 100

106 116.3 86.4 129.6

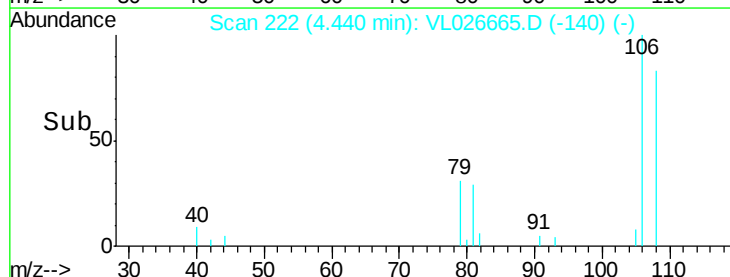
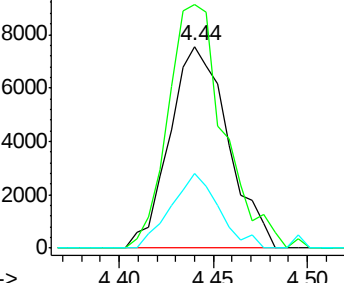
79 31.5 17.2 25.8#

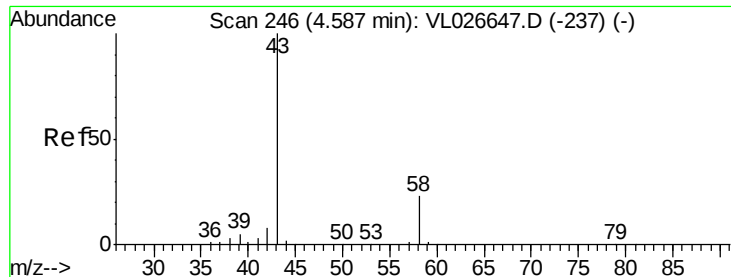


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.61 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.03 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

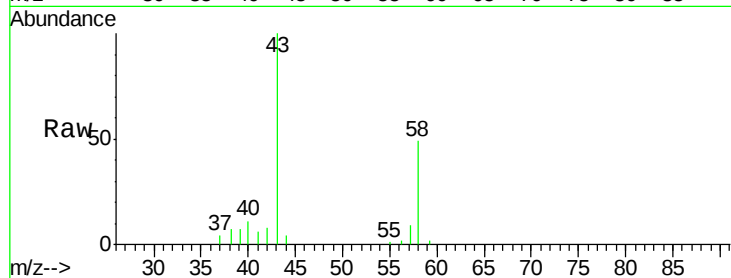
MDL-AIR-7

Tot Ion: 43 Resp: 63321

Ion Ratio Lower Upper

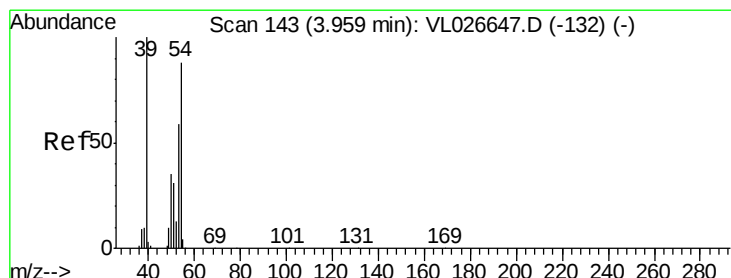
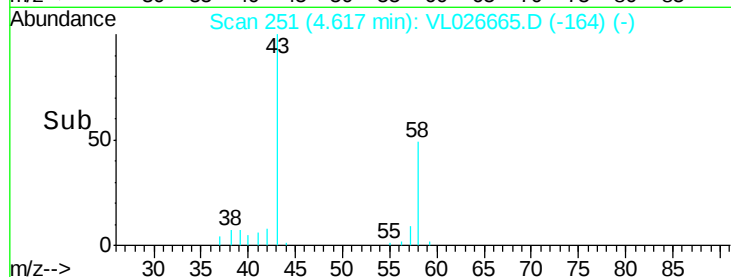
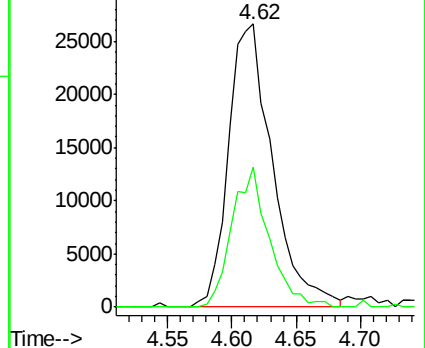
43 100

58 42.3 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: 0.42 ppbv

RT: 3.96 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL026665.D

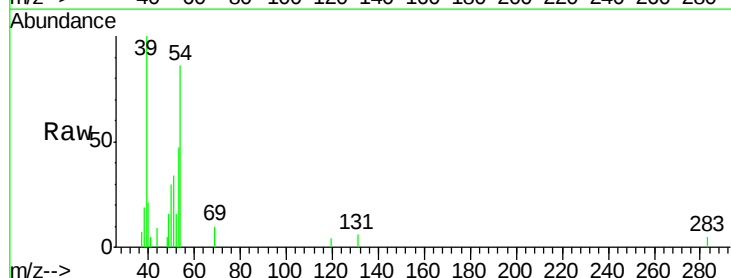
Acq: 9 Jan 2016 7:40

Tgt Ion: 39 Resp: 17386

Ion Ratio Lower Upper

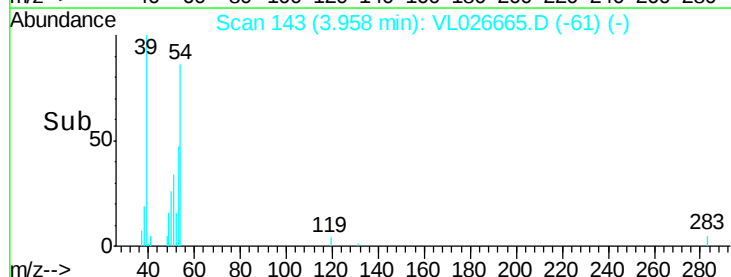
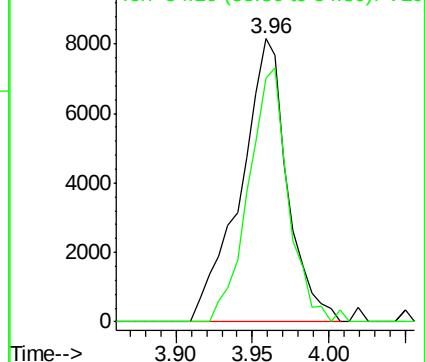
39 100

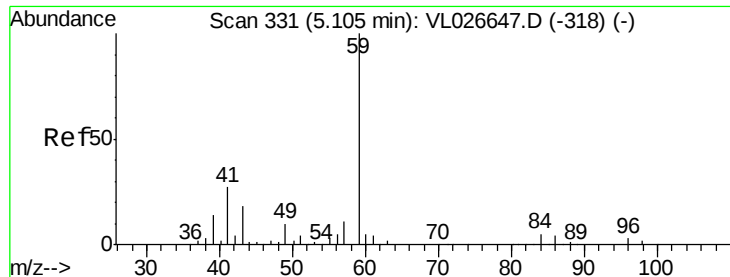
54 76.6 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



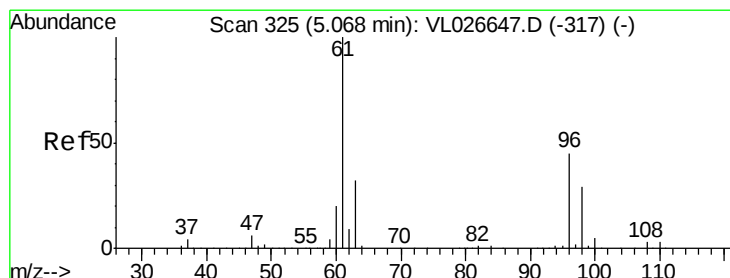
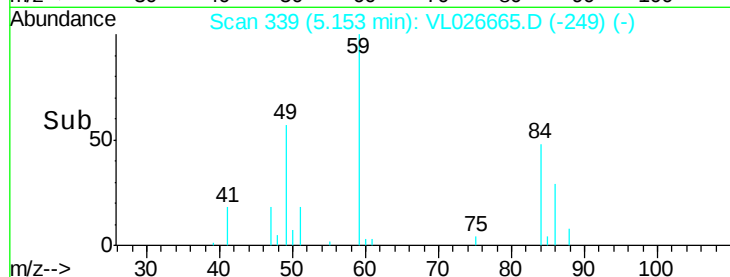
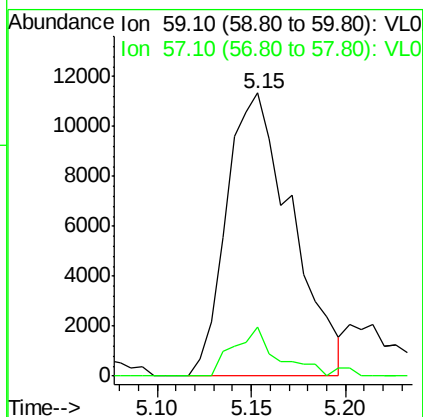
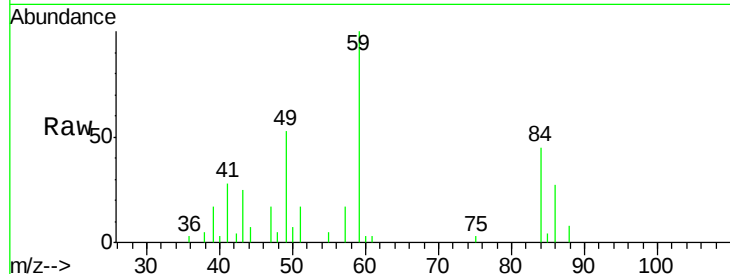


#17

tert-Butyl alcohol
Concen: 0.35 ppbv
RT: 5.15 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

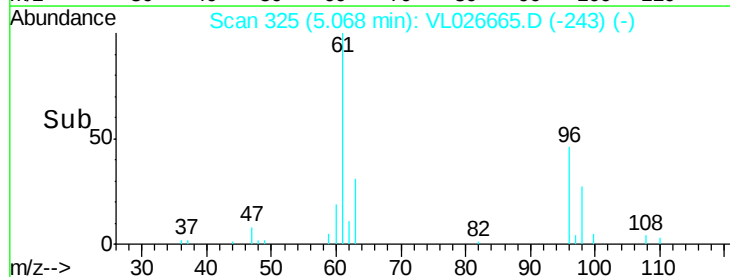
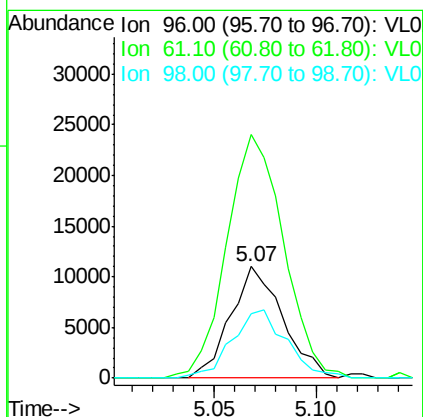
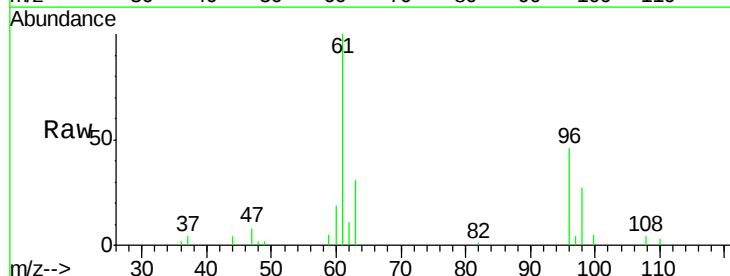
Tot Ion: 59 Resp: 27270
Ion Ratio Lower Upper
59 100
57 12.3 9.0 13.6

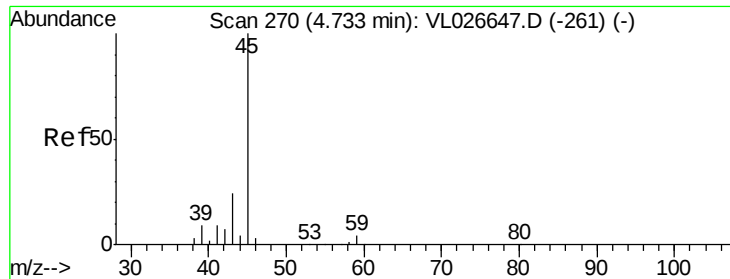


#18

1,1-Dichloroethene
Concen: 0.44 ppbv
RT: 5.07 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 96 Resp: 19643
Ion Ratio Lower Upper
96 100
61 212.4 176.7 265.1
98 55.1 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.38 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.05 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

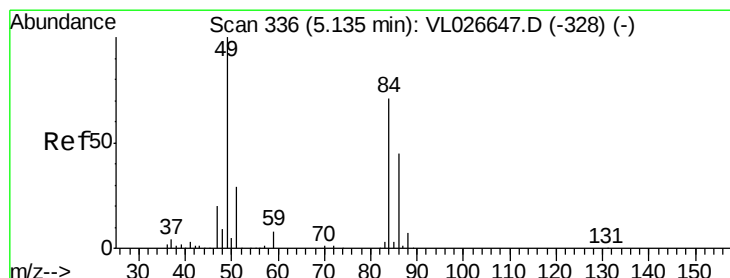
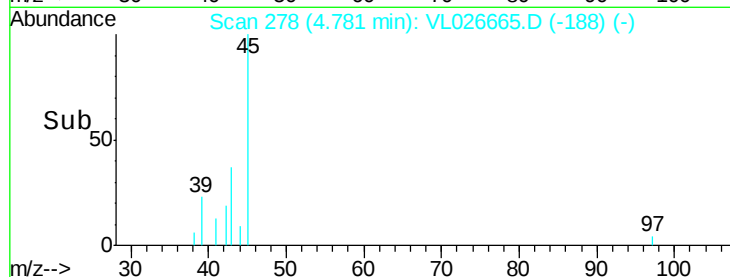
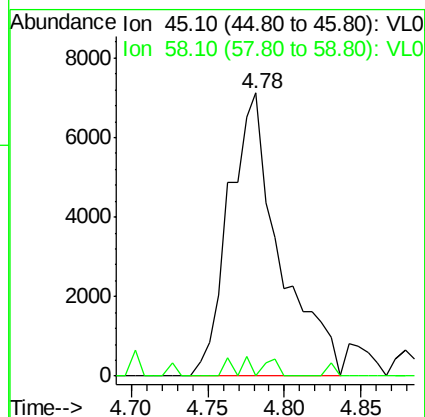
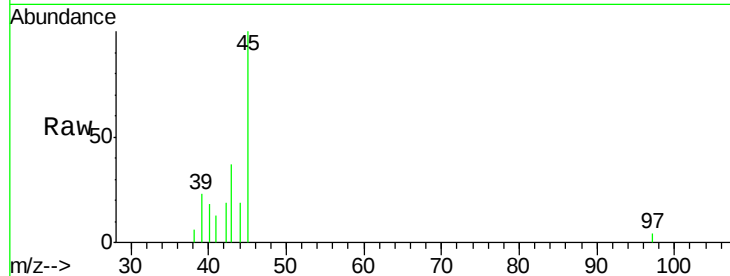
MDL-AIR-7

Tot Ion: 45 Resp: 16294

Ion Ratio Lower Upper

45 100

58 0.0 1.3 1.9#



#20

Methylene Chloride

Concen: 0.55 ppbv

RT: 5.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion: 84 Resp: 23605

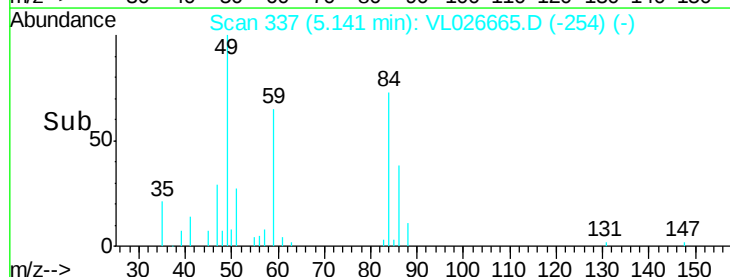
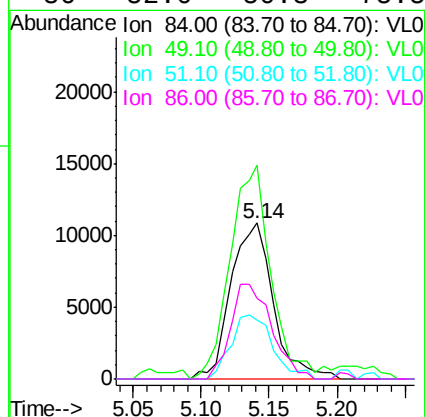
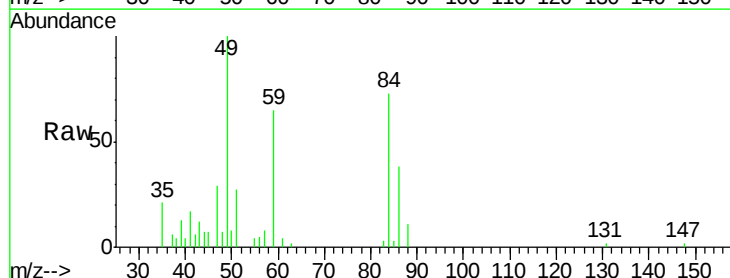
Ion Ratio Lower Upper

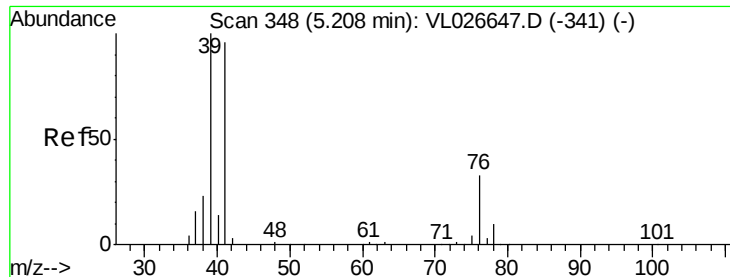
84 100

49 137.2 112.3 168.5

51 37.4 32.5 48.7

86 52.0 50.3 75.5

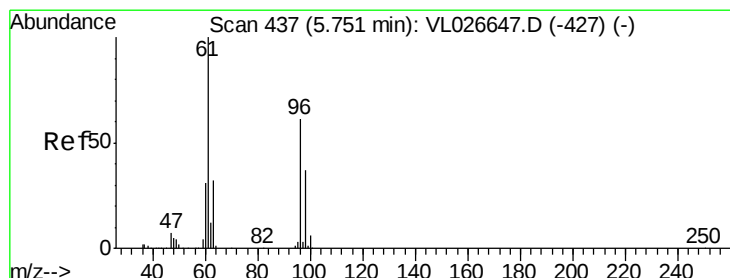
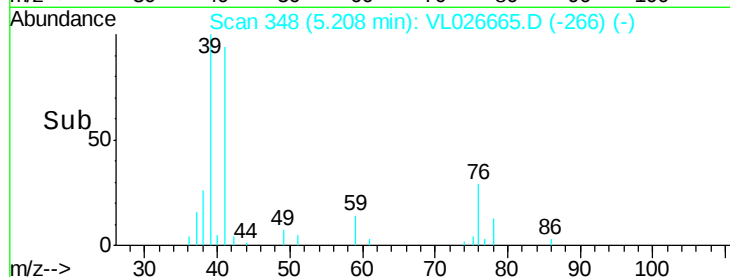
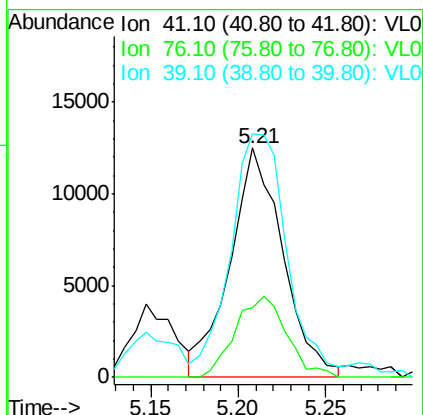
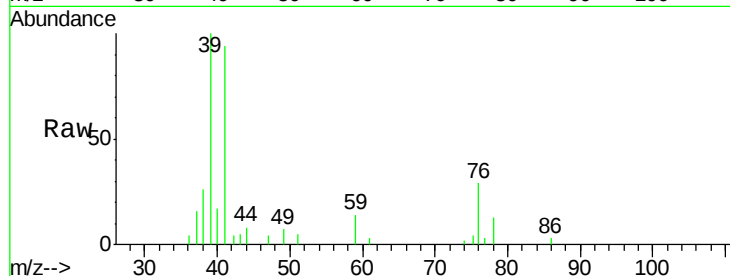




#21
Allvl Chloride
Concen: 0.41 ppbv
RT: 5.21 min Scan# 348
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

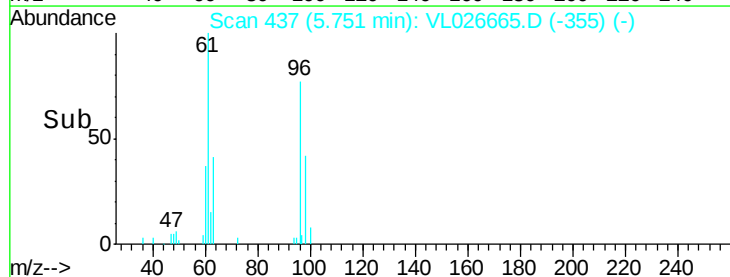
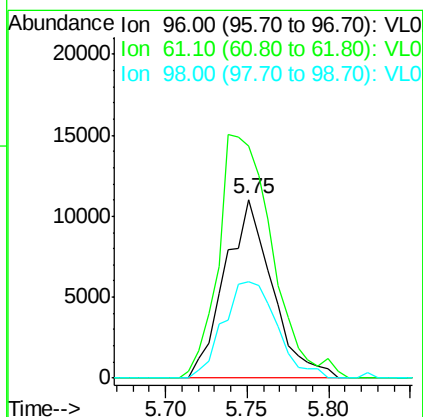
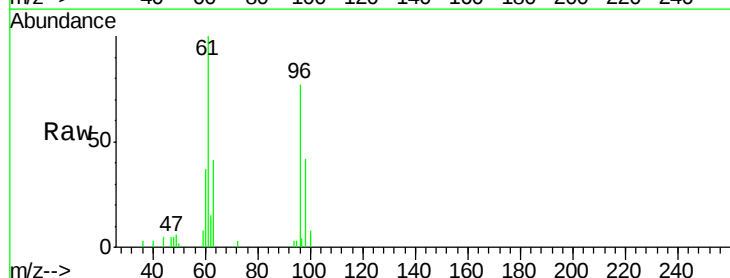
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

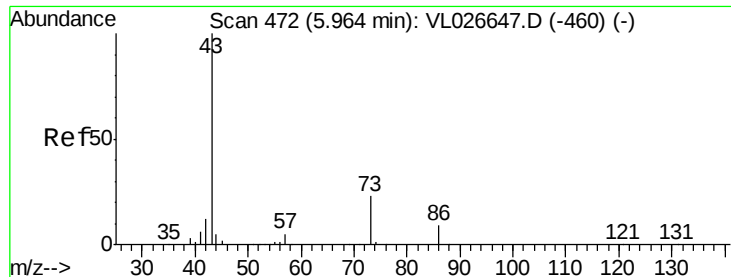
Tot Ion: 41 Resp: 26249
Ion Ratio Lower Upper
41 100
76 34.3 27.5 41.3
39 136.9 83.0 124.6#



#22
trans-1,2-Dichloroethene
Concen: 0.44 ppbv
RT: 5.75 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 96 Resp: 22360
Ion Ratio Lower Upper
96 100
61 126.7 131.0 196.6#
98 54.2 48.1 72.1





#23

Vinyl Acetate

Concen: 0.35 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

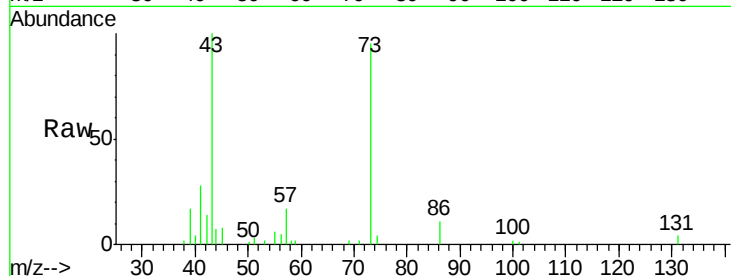
MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion: 43 Resp: 55496

Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.4	11.0
42	14.0	9.2	13.8#
44	4.1	3.8	5.8

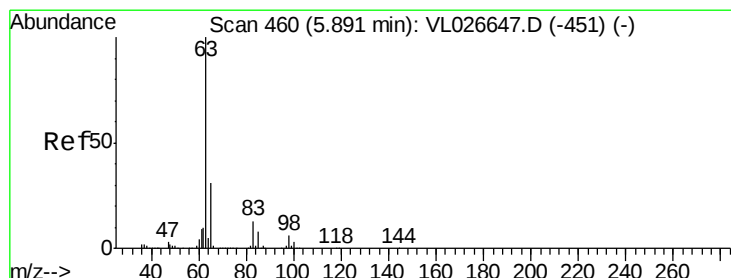
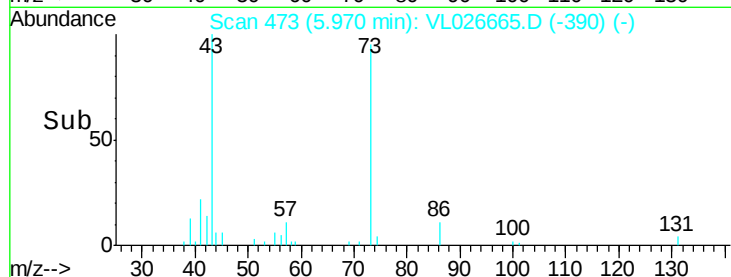
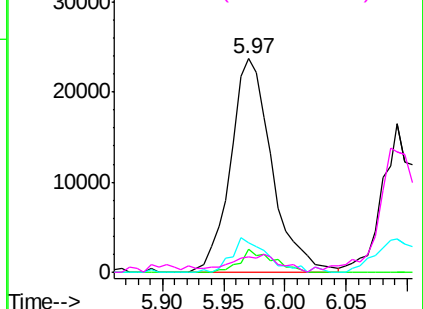


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.41 ppbv

RT: 5.89 min Scan# 460

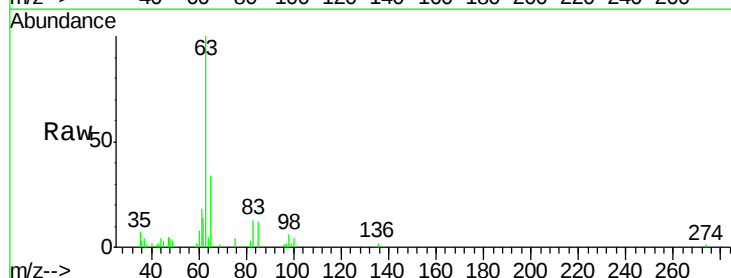
Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion: 63 Resp: 47860

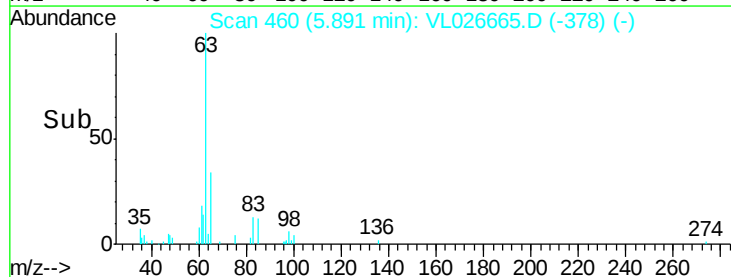
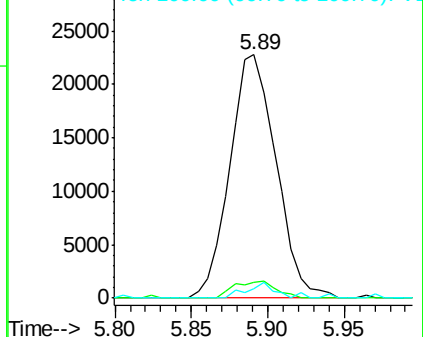
Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.9	8.7
100	4.1	1.6	4.8

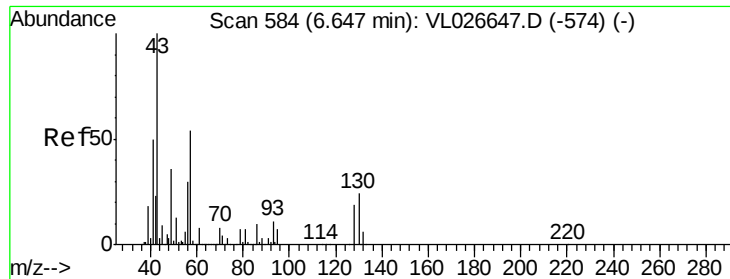


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

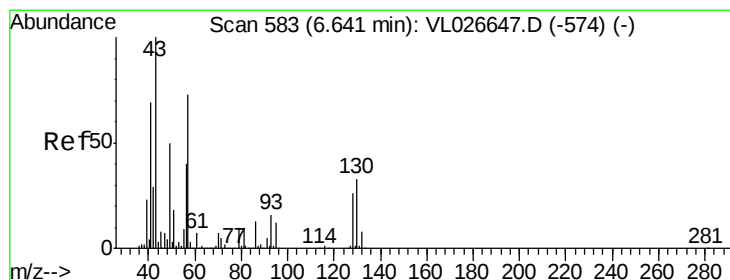
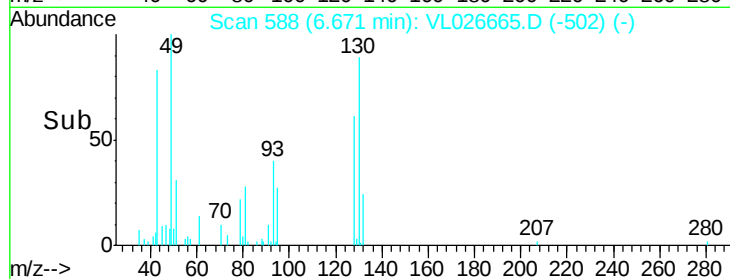
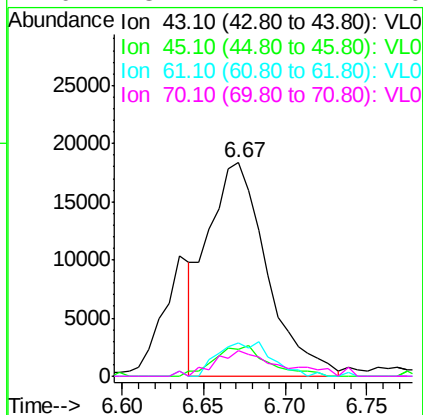
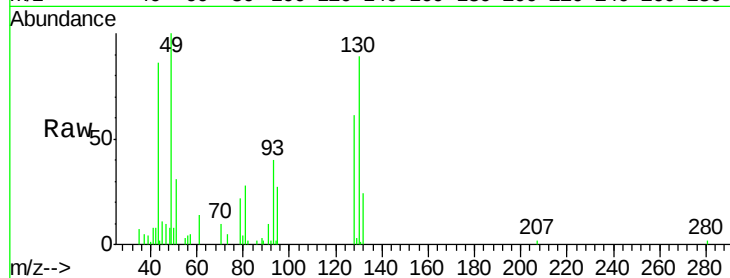




#25
Ethyl Acetate
Concen: 0.29 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

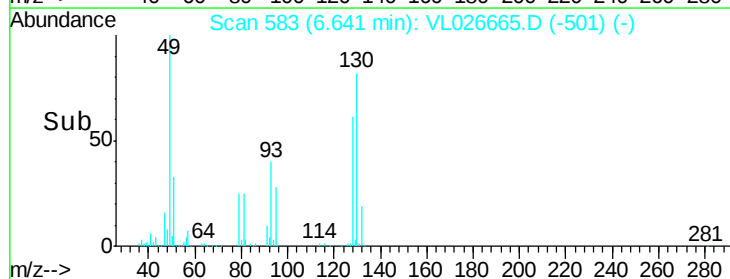
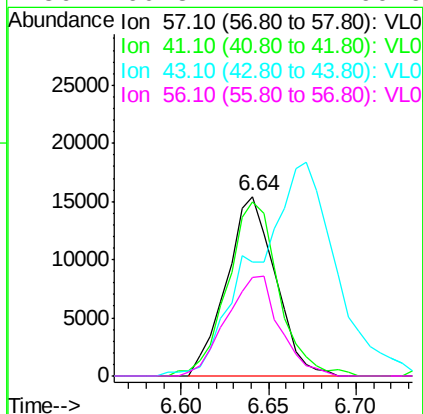
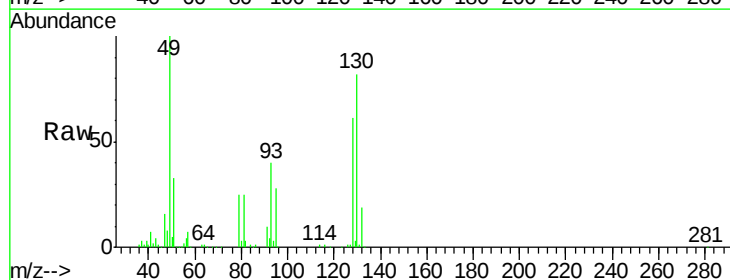
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

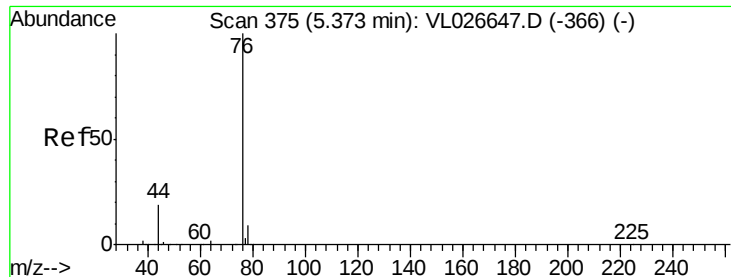
Tot Ion: 43 Resp: 46377
Ion Ratio Lower Upper
43 100
45 13.0 7.5 11.3#
61 15.0 7.3 10.9#
70 13.4 7.4 11.0#



#26
Hexane
Concen: 0.36 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 57 Resp: 30029
Ion Ratio Lower Upper
57 100
41 101.4 74.8 112.2
43 205.5 161.5 242.3
56 60.8 44.4 66.6





#27

Carbon Disulfide

Concen: 0.45 ppbv

RT: 5.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

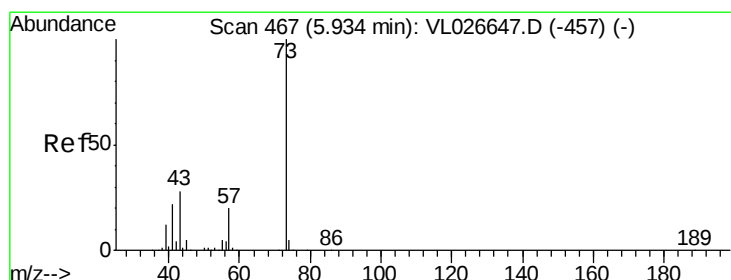
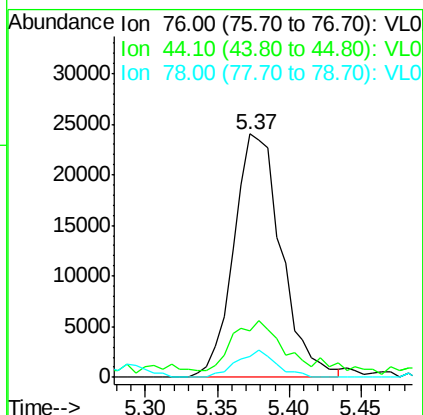
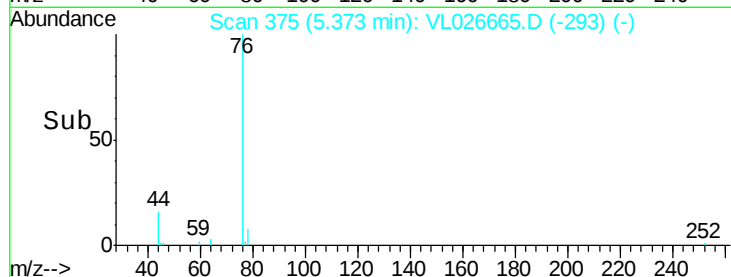
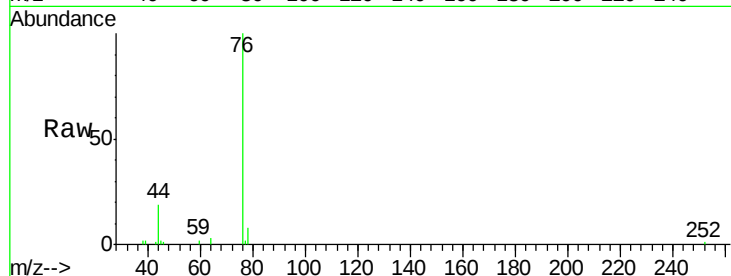
MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion: 76 Resp: 55103

Ion	Ratio	Lower	Upper
76	100		
44	34.2	15.9	23.9#
78	9.1	7.6	11.4



#28

Methyl tert-Butyl Ether

Concen: 0.36 ppbv

RT: 5.96 min Scan# 472

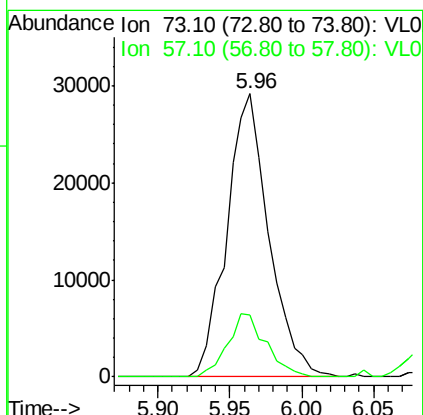
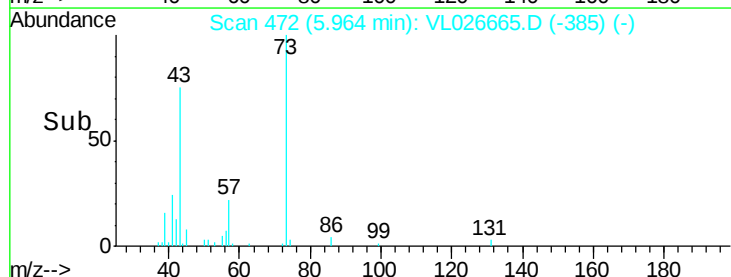
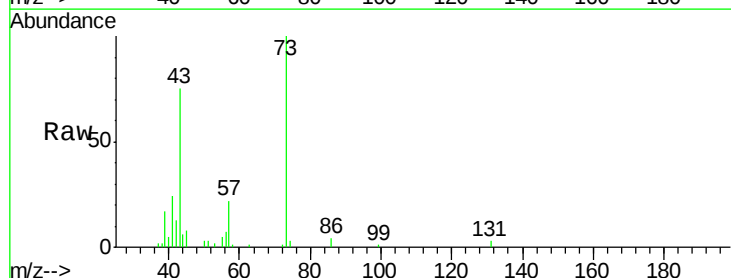
Delta R.T. 0.03 min

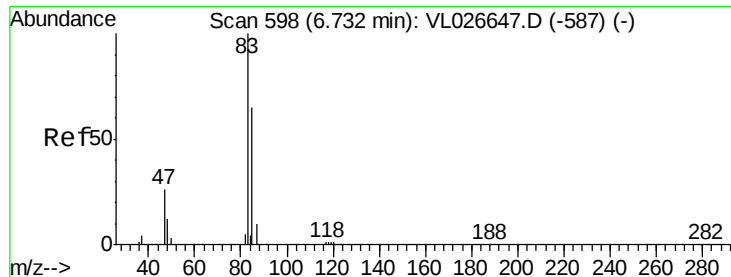
Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion: 73 Resp: 59518

Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.2	24.4

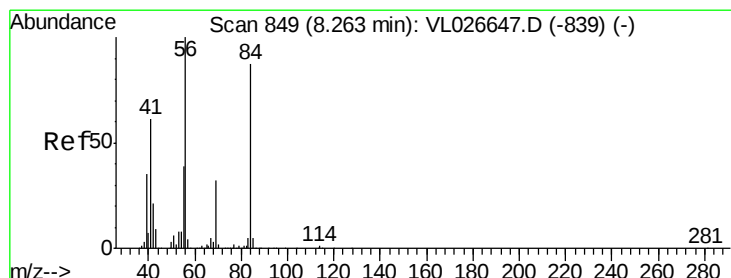
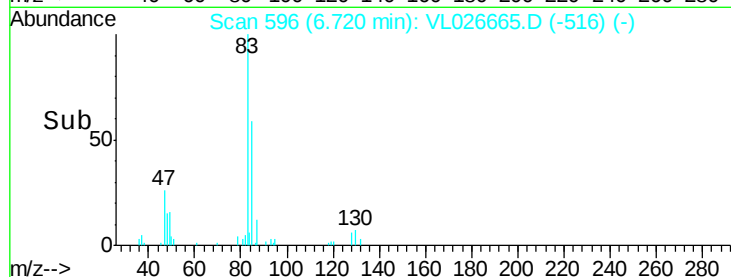
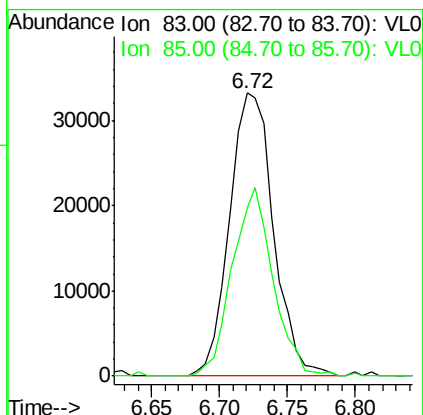
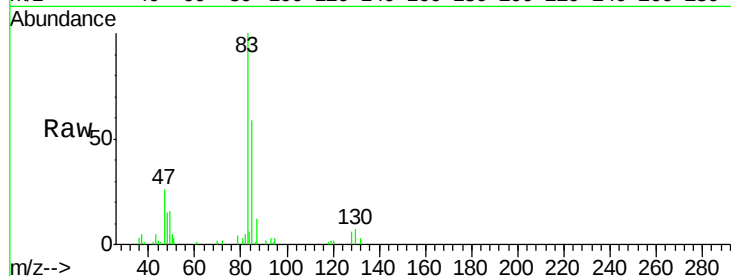




#29
Chloroform
Concen: 0.50 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

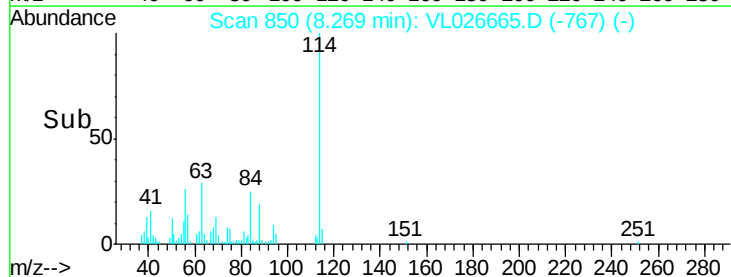
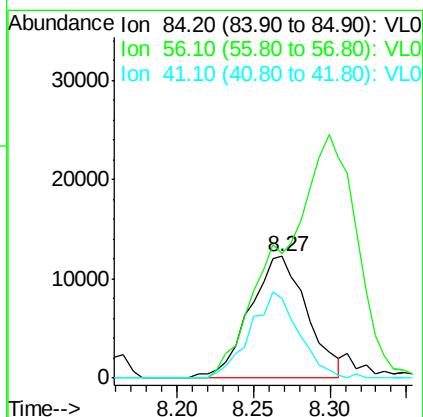
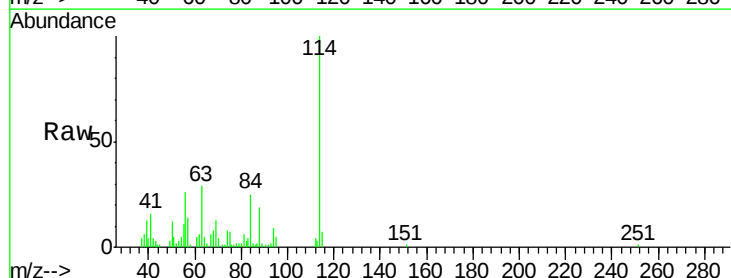
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

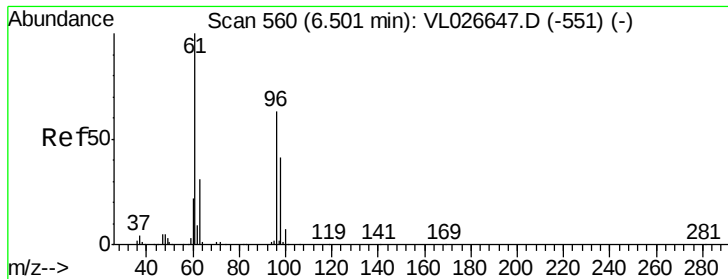
Tot Ion: 83 Resp: 74924
Ion Ratio Lower Upper
83 100
85 59.2 51.6 77.4



#30
Cyclohexane
Concen: 0.39 ppbv
RT: 8.27 min Scan# 850
Delta R.T. 0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 84 Resp: 31926
Ion Ratio Lower Upper
84 100
56 0.0 95.9 143.9#
41 60.2 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 0.35 ppbv

RT: 6.50 min Scan# 560

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

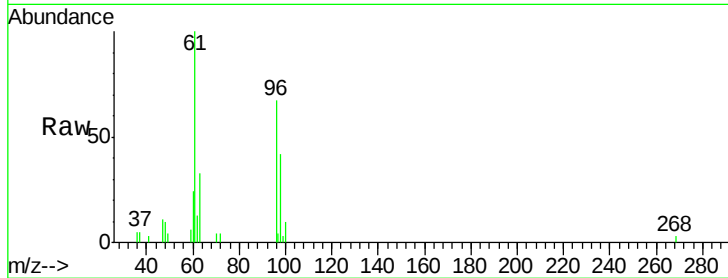
Tot Ion: 61 Resp: 29592

Ion Ratio Lower Upper

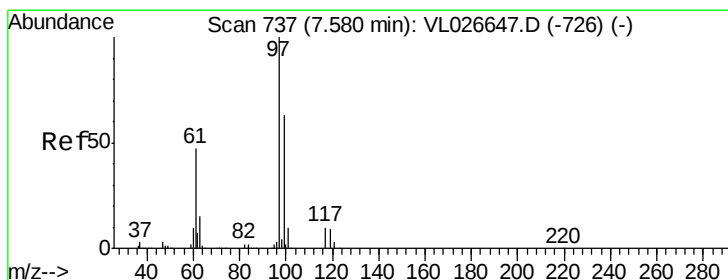
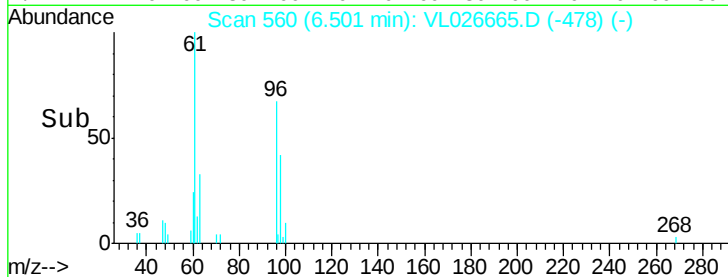
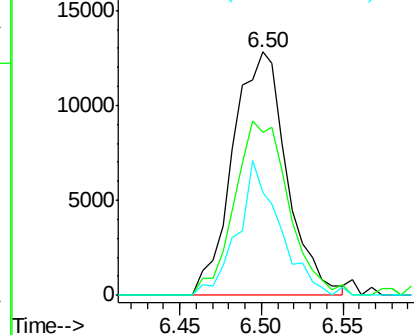
61 100

96 66.7 50.2 75.4

98 42.2 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: 0.45 ppbv

RT: 7.57 min Scan# 736

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

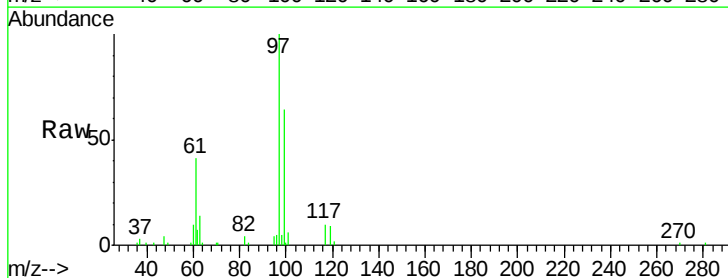
Tgt Ion: 97 Resp: 76292

Ion Ratio Lower Upper

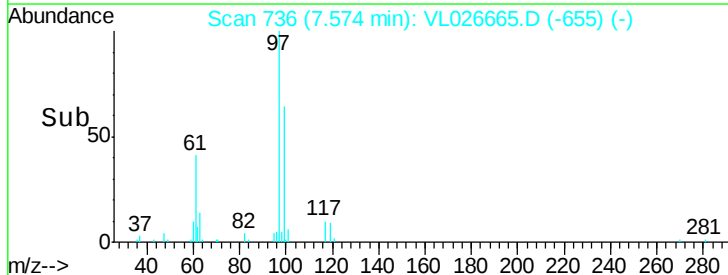
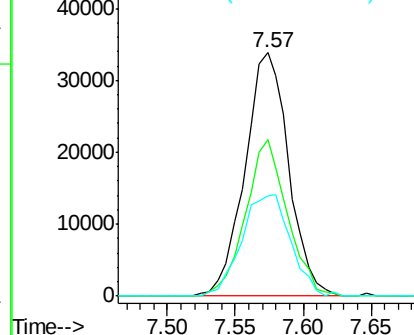
97 100

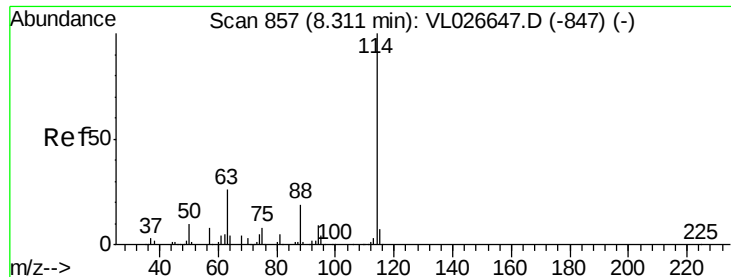
99 61.3 50.8 76.2

61 46.7 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

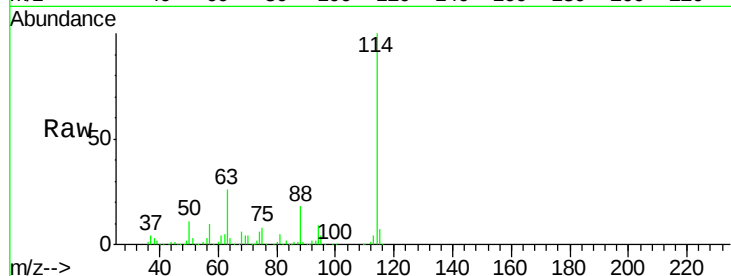




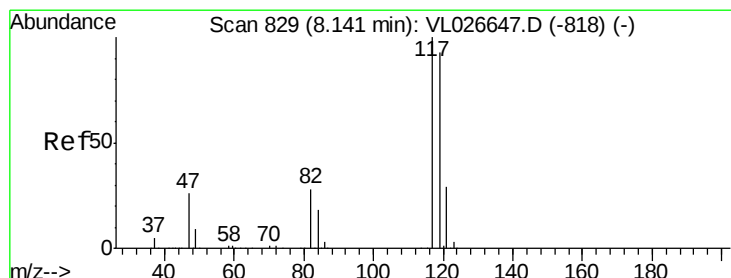
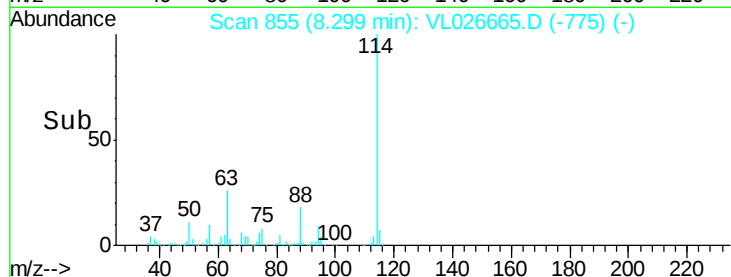
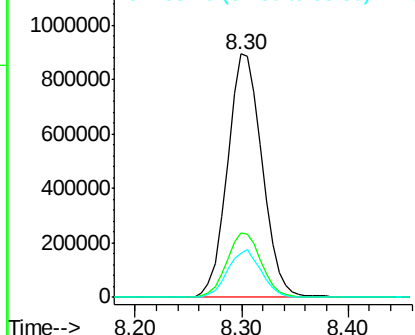
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion:114 Resp: 2037734
 Ion Ratio Lower Upper
 114 100
 63 26.6 21.7 32.5
 88 18.8 15.2 22.8

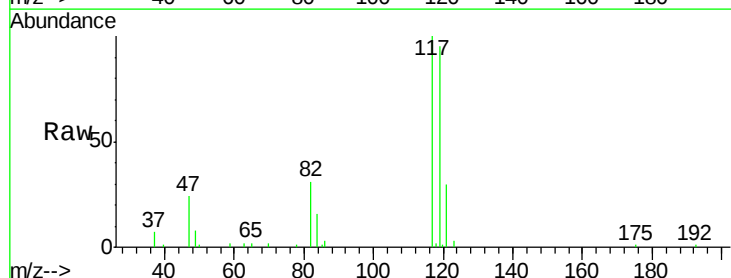


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

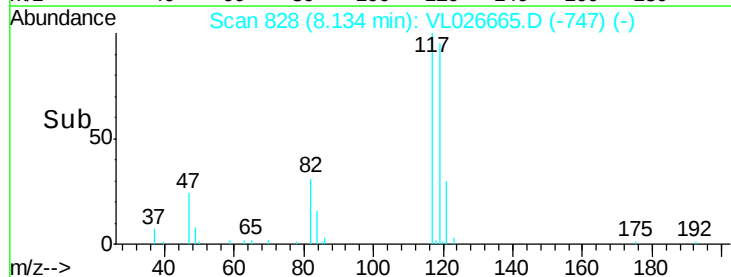
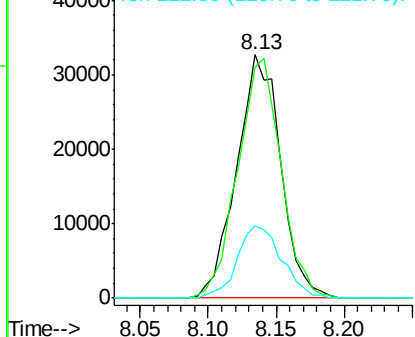


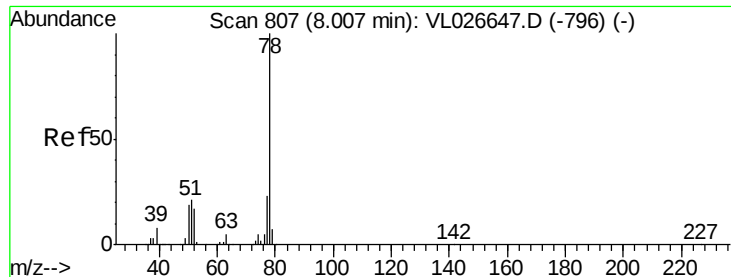
#35
 Carbon Tetrachloride
 Concen: 0.41 ppbv
 RT: 8.13 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion:117 Resp: 73956
 Ion Ratio Lower Upper
 117 100
 119 94.8 74.7 112.1
 121 29.6 23.1 34.7



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

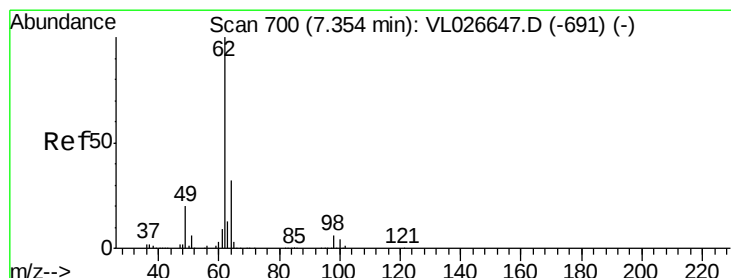
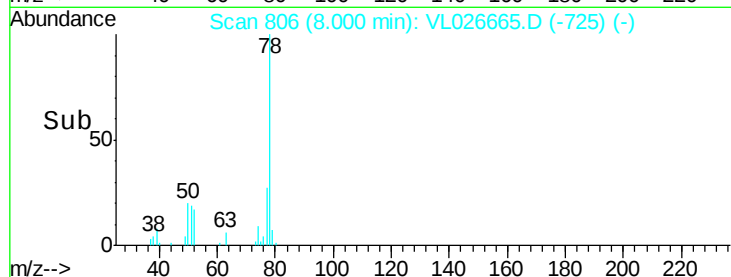
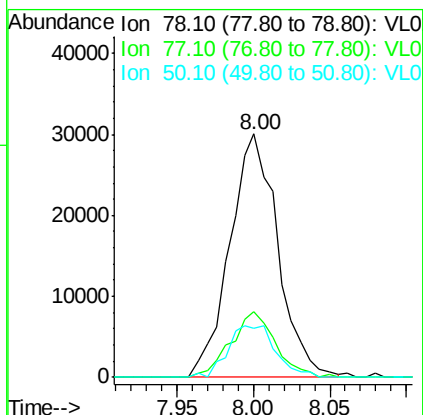
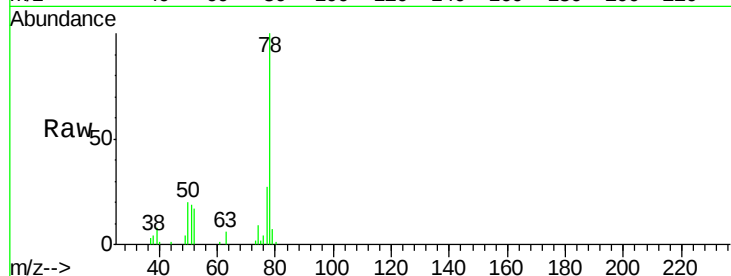




#36
Benzene
Concen: 0.31 ppbv
RT: 8.00 min Scan# 806
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

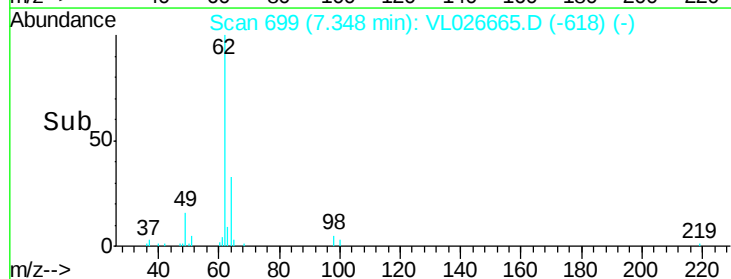
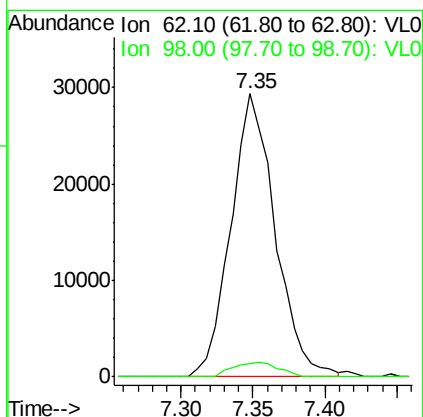
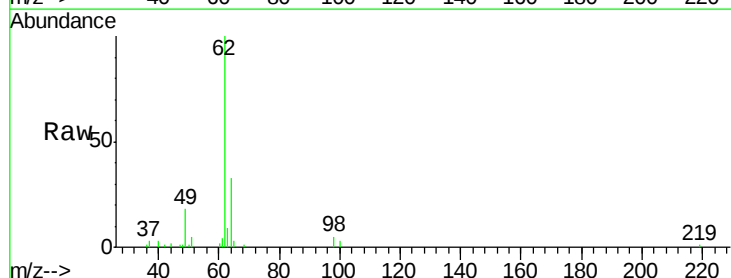
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

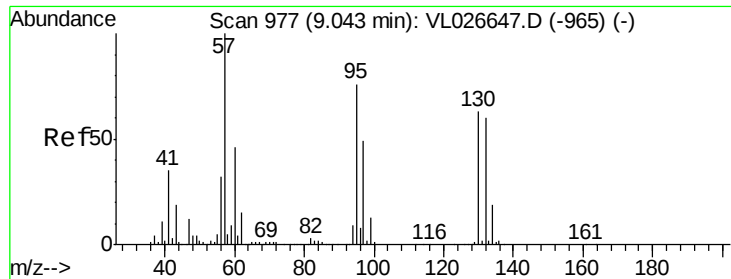
Tot Ion: 78 Resp: 65424
Ion Ratio Lower Upper
78 100
77 27.2 18.5 27.7
50 20.2 15.4 23.2



#37
1,2-Dichloroethane
Concen: 0.44 ppbv
RT: 7.35 min Scan# 699
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 62 Resp: 62816
Ion Ratio Lower Upper
62 100
98 5.2 4.8 7.2

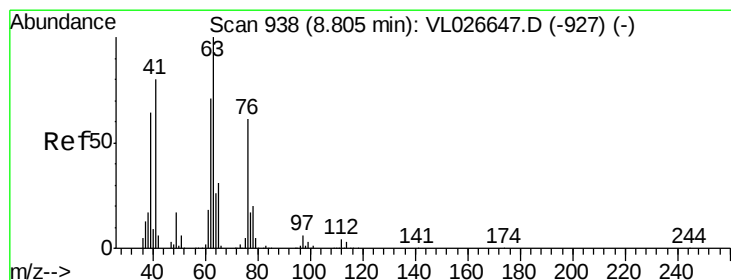
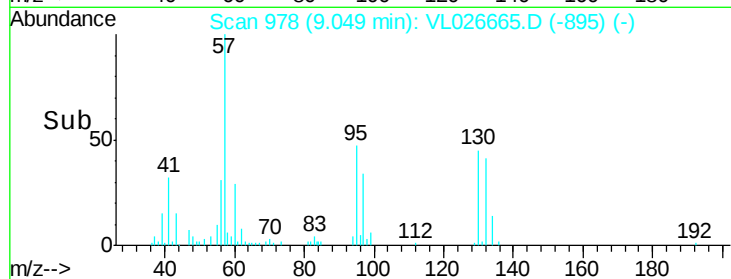
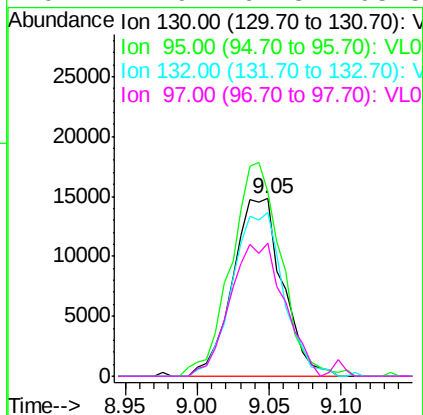
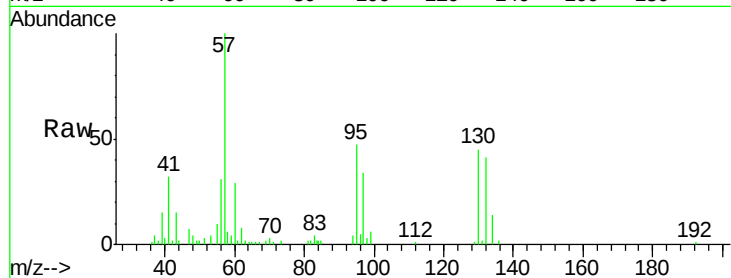




#38
 Trichloroethene
 Concen: 0.38 ppbv
 RT: 9.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

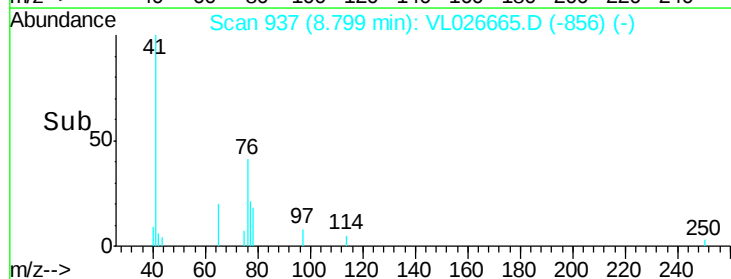
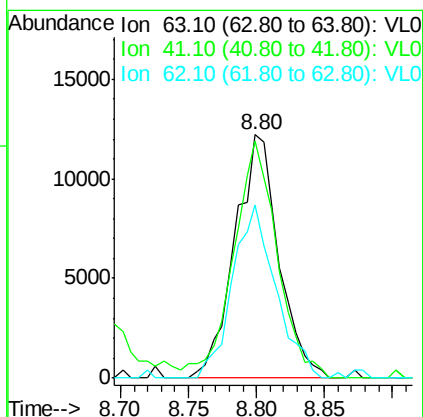
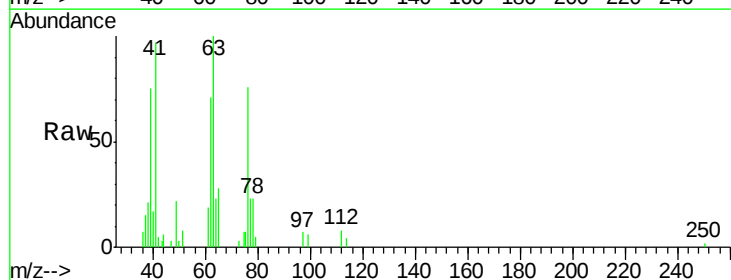
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

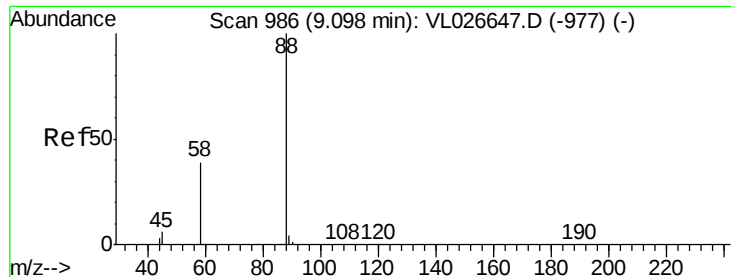
Tot Ion:130 Resp: 35650
 Ion Ratio Lower Upper
 130 100
 95 101.6 96.6 145.0
 132 92.0 76.2 114.4
 97 74.9 62.3 93.5



#39
 1,2-Dichloropropane
 Concen: 0.38 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion: 63 Resp: 27539
 Ion Ratio Lower Upper
 63 100
 41 97.2 64.1 96.1#
 62 70.9 56.6 84.8





#40

1,4-Dioxane

Concen: 0.04 ppbv

RT: 9.15 min Scan# 994

Delta R.T. 0.05 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion: 88 Resp: 593

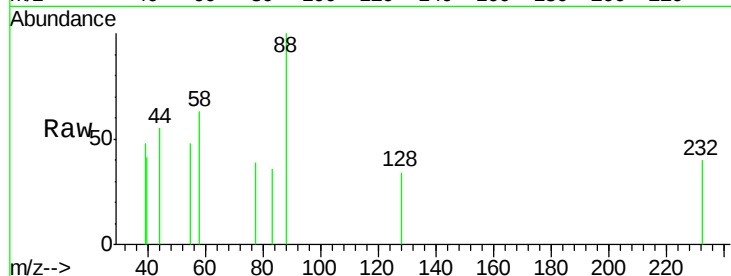
Ion Ratio Lower Upper

88 100

58 869.1 109.4 164.2#

43 3208.9 238.2 357.2#

57 18807.3 1148.3 1722.5#

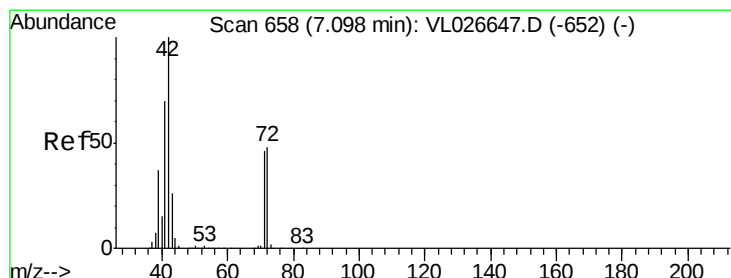
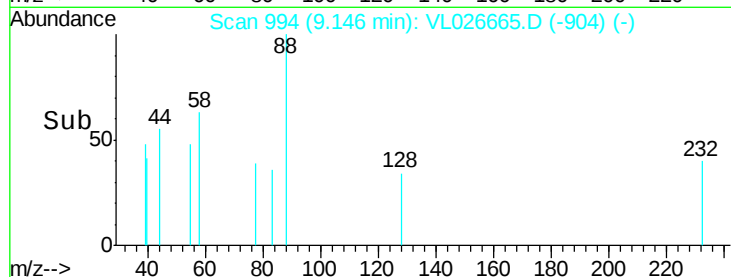
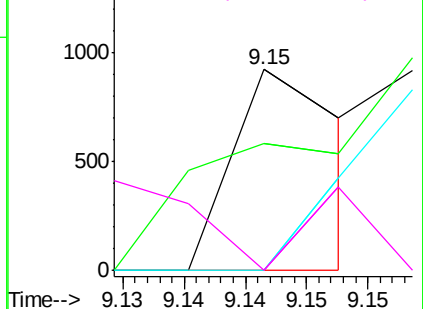


Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.27 ppbv

RT: 7.15 min Scan# 666

Delta R.T. 0.05 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

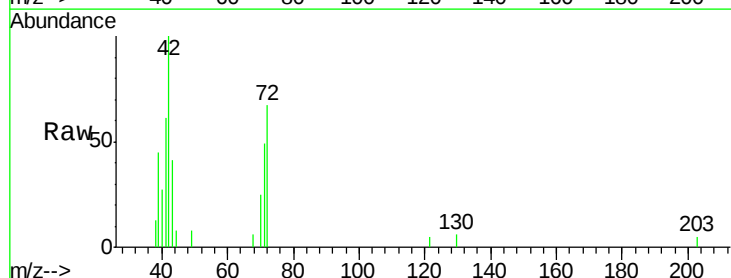
Tgt Ion: 42 Resp: 14307

Ion Ratio Lower Upper

42 100

72 53.3 40.6 60.8

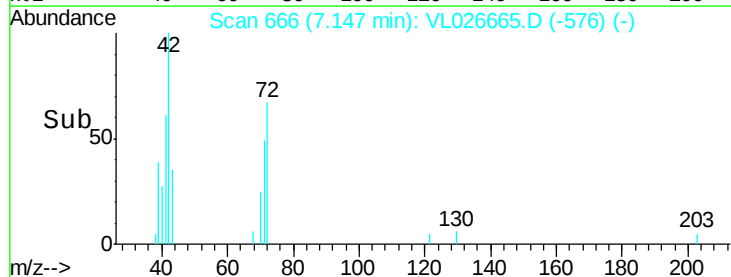
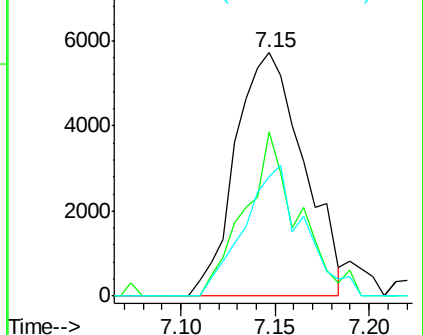
71 47.3 38.4 57.6

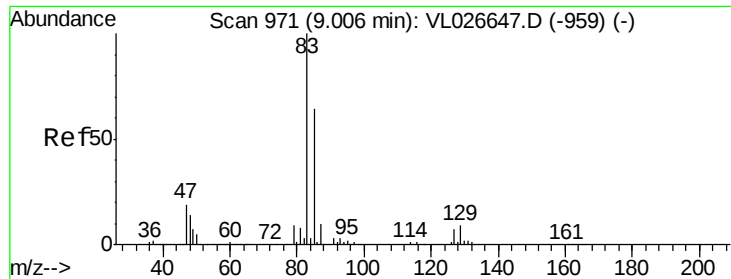


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.42 ppbv

RT: 9.00 min Scan# 970

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

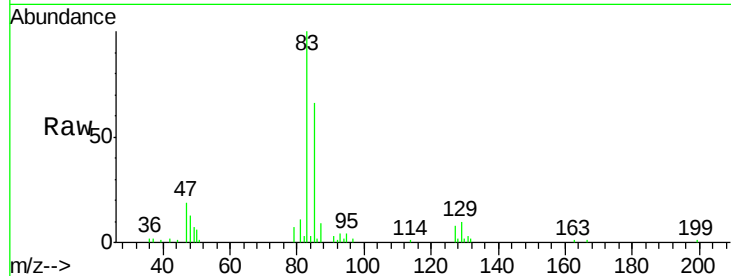
Tot Ion: 83 Resp: 77208

Ion Ratio Lower Upper

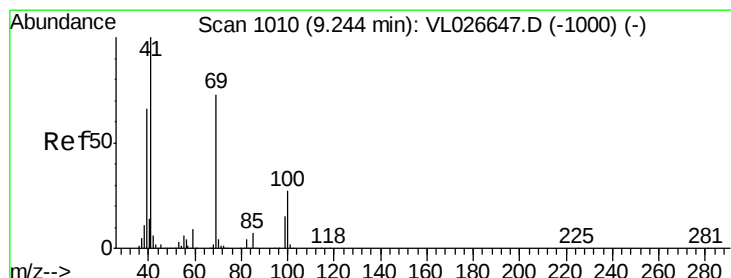
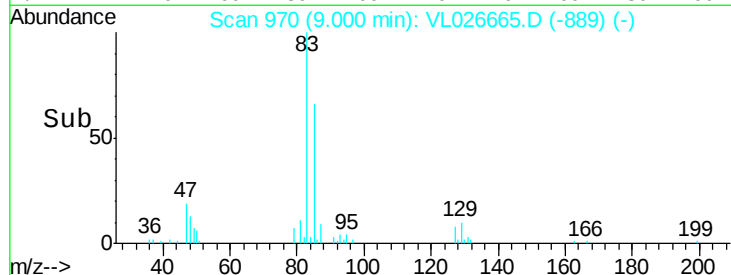
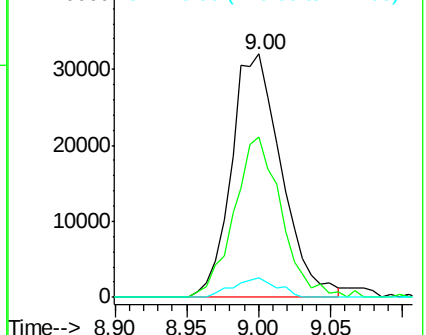
83 100

85 65.9 50.9 76.3

127 8.0 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: 0.28 ppbv

RT: 9.24 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

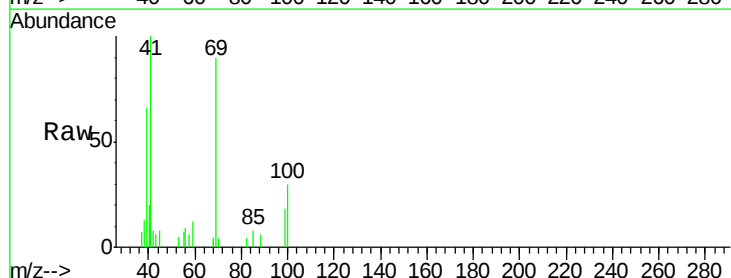
Tgt Ion: 69 Resp: 21248

Ion Ratio Lower Upper

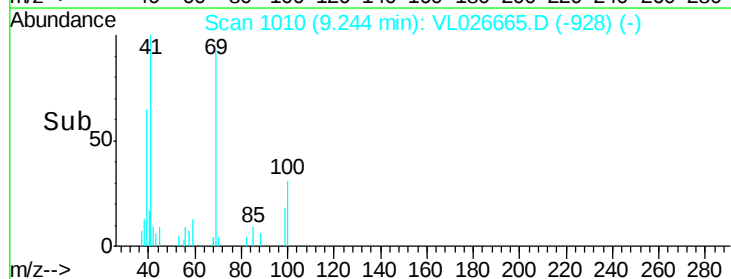
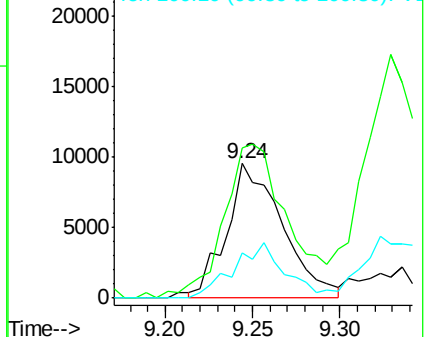
69 100

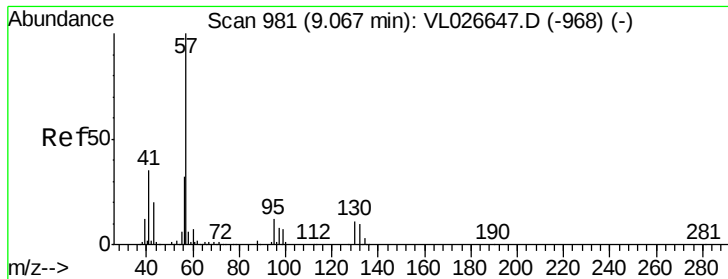
41 122.4 106.1 159.1

100 39.2 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: 0.33 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

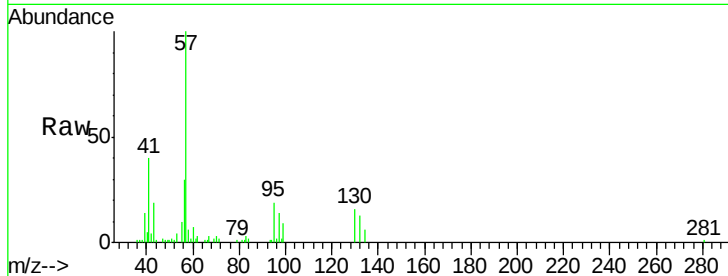
Tot Ion: 57 Resp: 110854

Ion Ratio Lower Upper

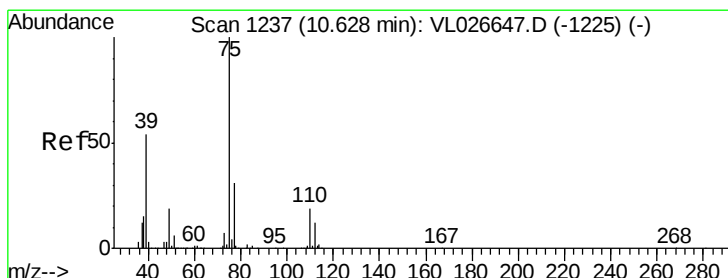
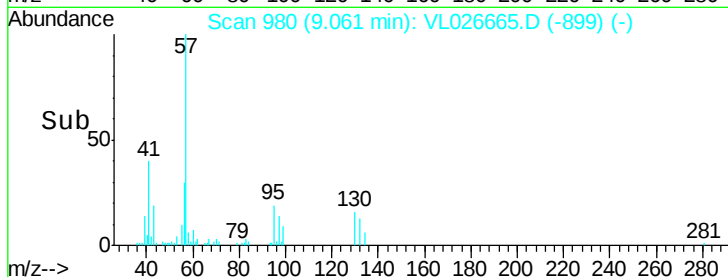
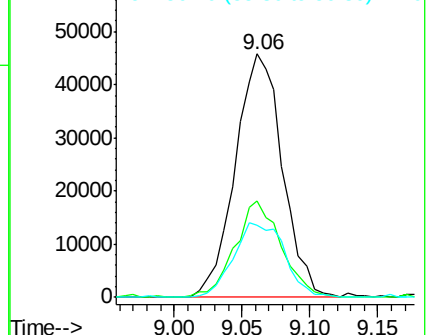
57 100

41 38.8 26.9 40.3

56 33.1 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: 0.26 ppbv

RT: 10.63 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VL026665.D

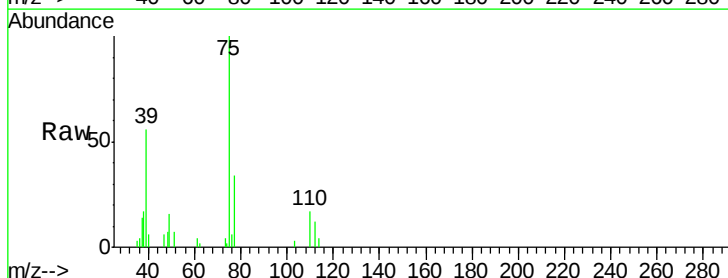
Acq: 9 Jan 2016 7:40

Tgt Ion: 75 Resp: 32699

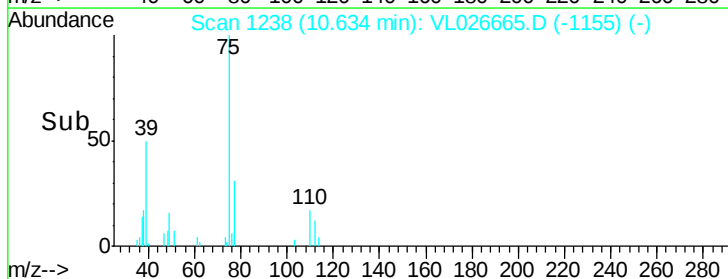
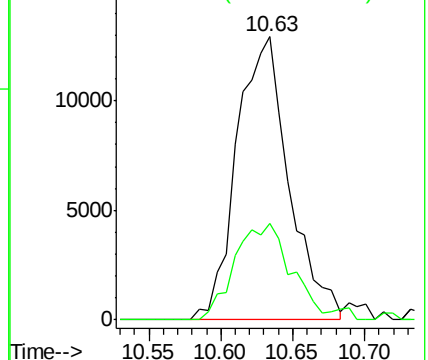
Ion Ratio Lower Upper

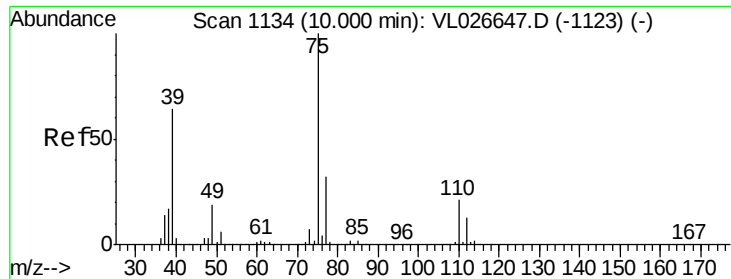
75 100

77 34.1 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

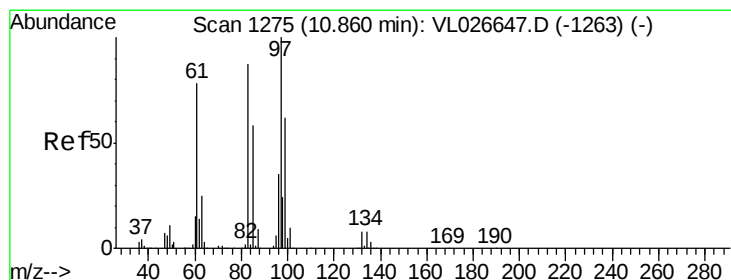
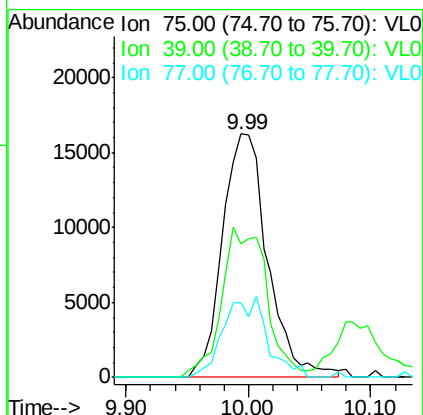
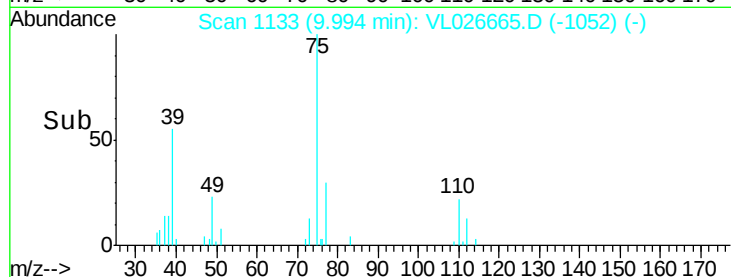
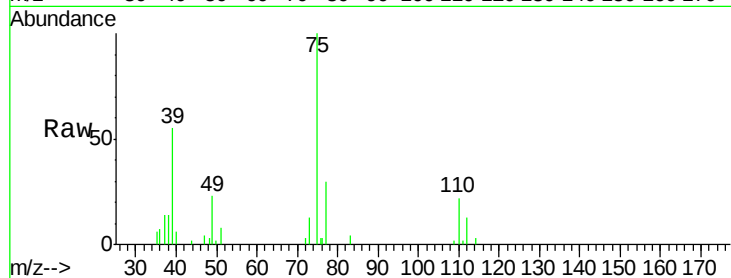




#46
 cis-1,3-Dichloropropene
 Concen: 0.30 ppbv
 RT: 9.99 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

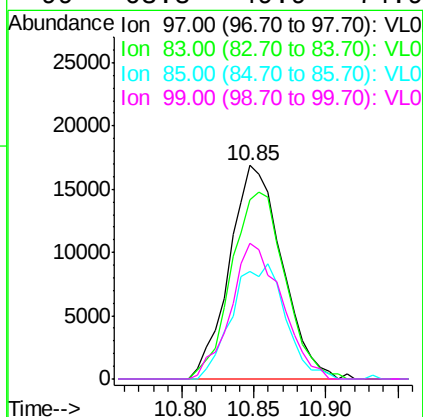
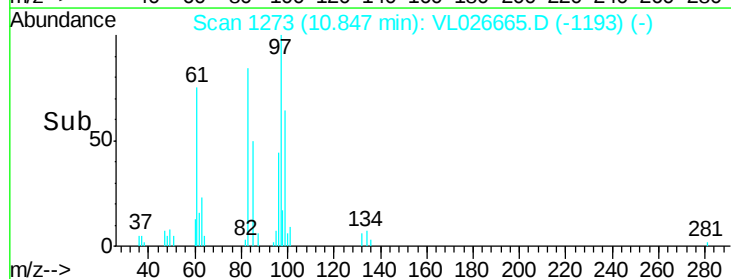
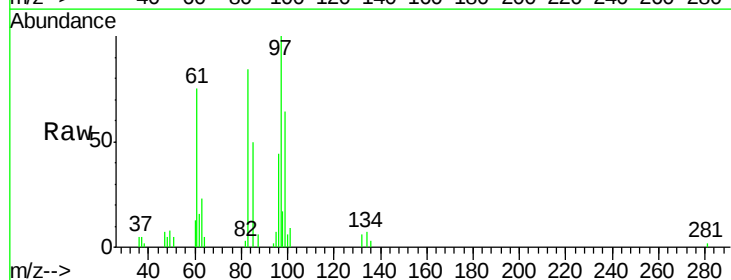
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

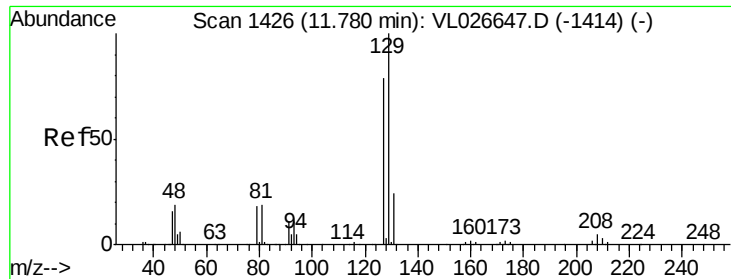
Tot Ion	Ratio	Lower	Upper
75	100		
39	52.4	51.2	76.8
77	30.5	25.9	38.9



#47
 1,1,2-Trichloroethane
 Concen: 0.42 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.5	104.3
85	50.2	46.4	69.6
99	63.8	49.9	74.9





#48

Dibromochloromethane

Concen: 0.42 ppbv

RT: 11.77 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampled :

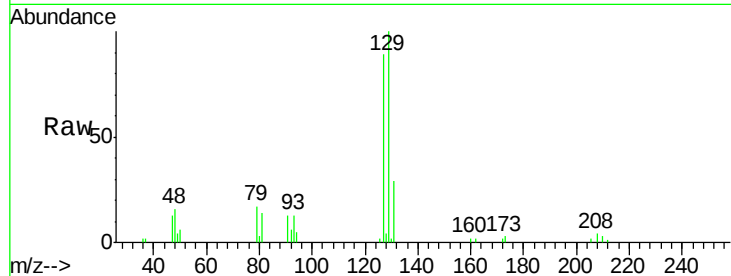
MDL-AIR-7

Tot Ion:129 Resp: 64885

Ion Ratio Lower Upper

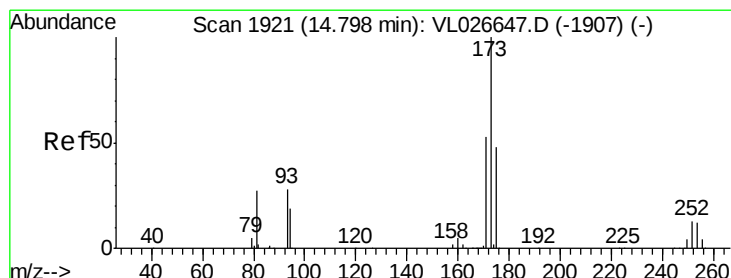
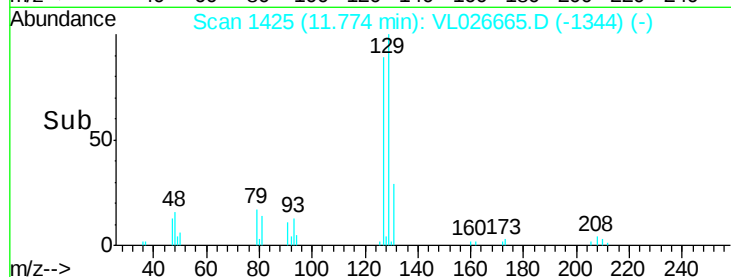
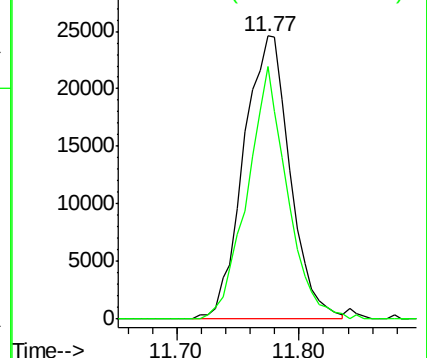
129 100

127 77.0 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.38 ppbv

RT: 14.78 min Scan# 1918

Delta R.T. -0.02 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

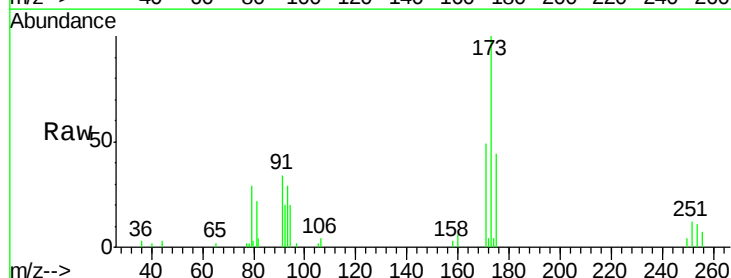
Tgt Ion:173 Resp: 48290

Ion Ratio Lower Upper

173 100

175 53.4 38.6 58.0

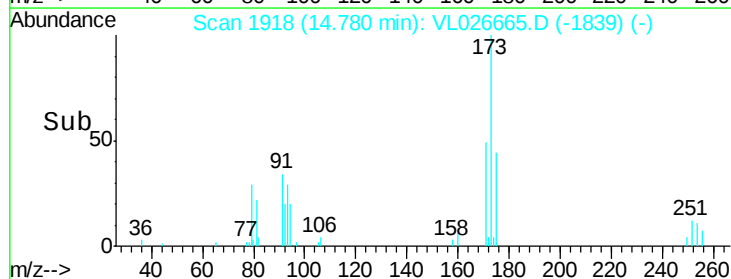
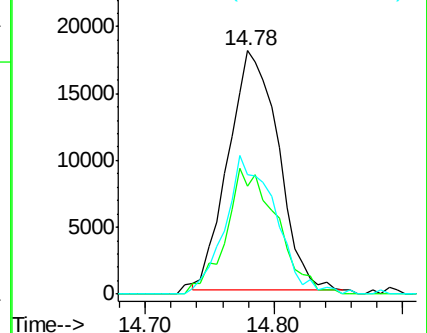
171 58.0 41.5 62.3

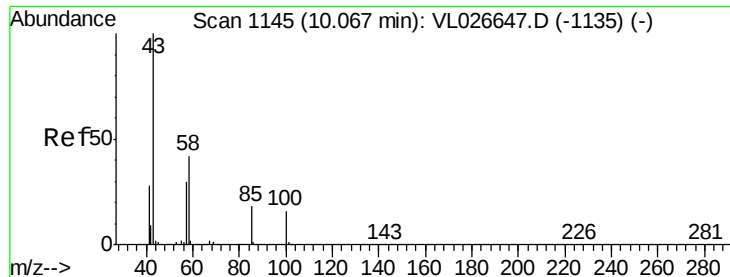


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

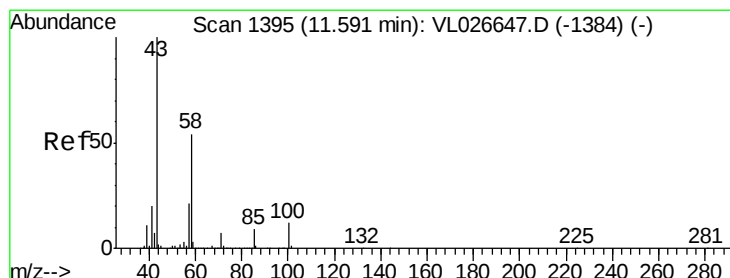
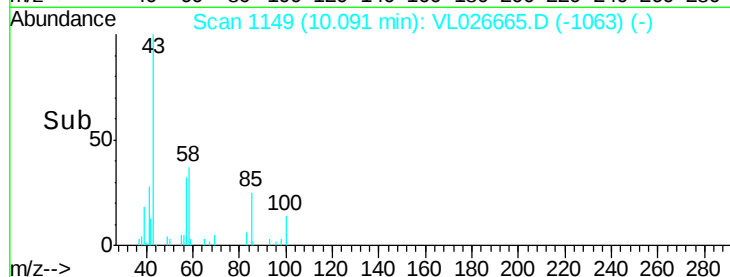
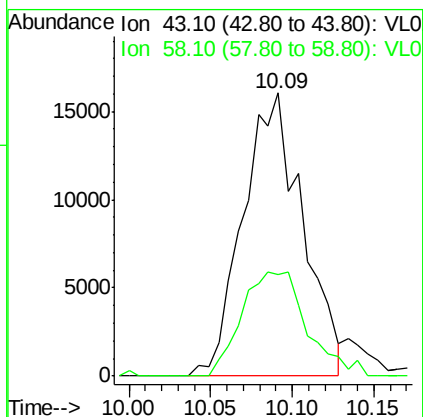
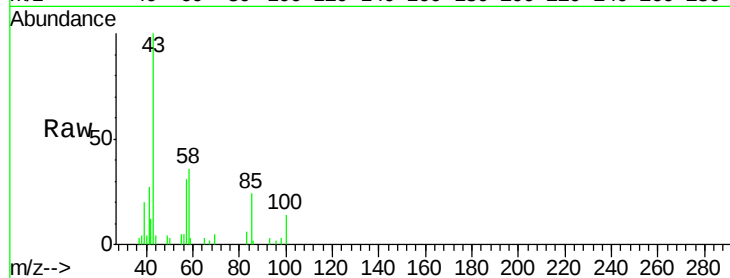




#50
 4-Methyl-2-Pentanone
 Concen: 0.27 ppbv
 RT: 10.09 min Scan# 1149
 Delta R.T. 0.02 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

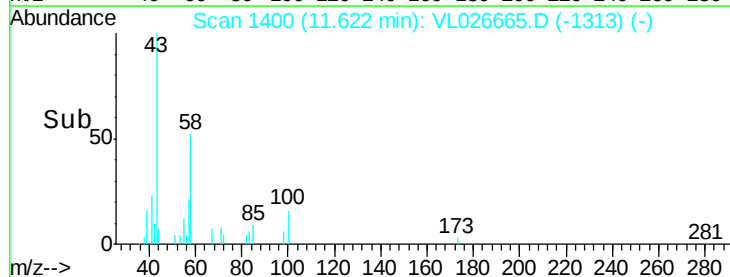
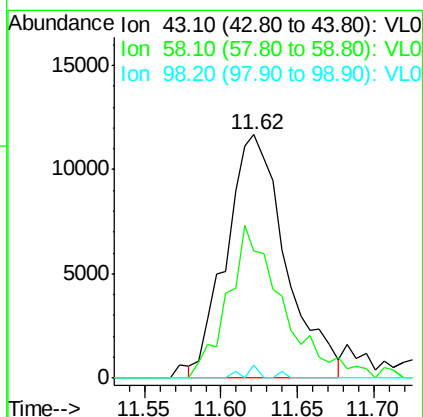
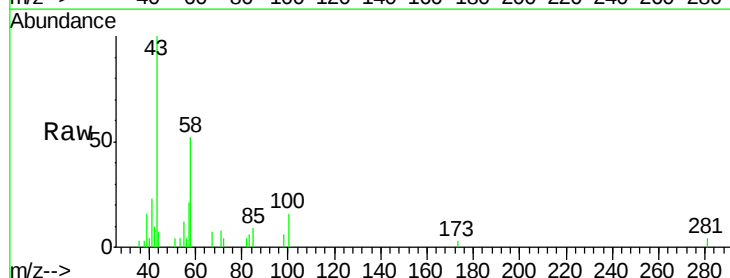
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

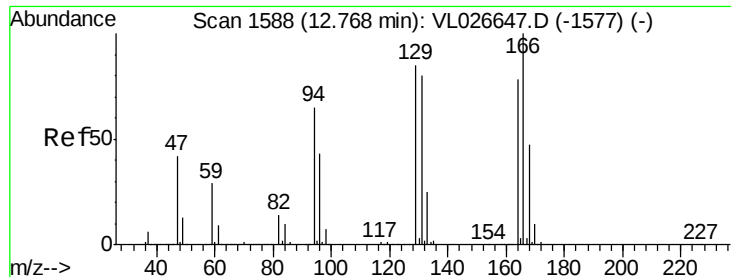
Tot Ion: 43 Resp: 40807
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6



#51
 2-Hexanone
 Concen: 0.22 ppbv
 RT: 11.62 min Scan# 1400
 Delta R.T. 0.03 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion: 43 Resp: 31527
 Ion Ratio Lower Upper
 43 100
 58 59.9 44.9 67.3
 98 1.5 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.40 ppbv

RT: 12.76 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion:164 Resp: 41601

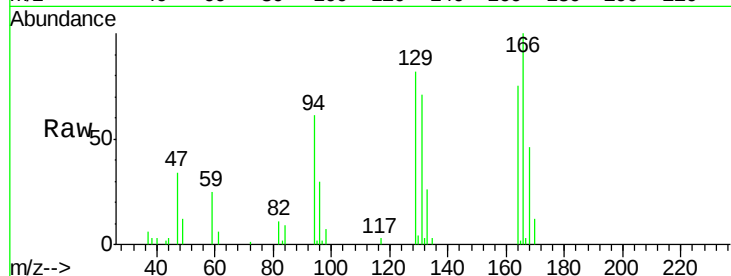
Ion Ratio Lower Upper

164 100

166 132.8 102.5 153.7

129 109.1 87.0 130.6

131 93.7 82.5 123.7

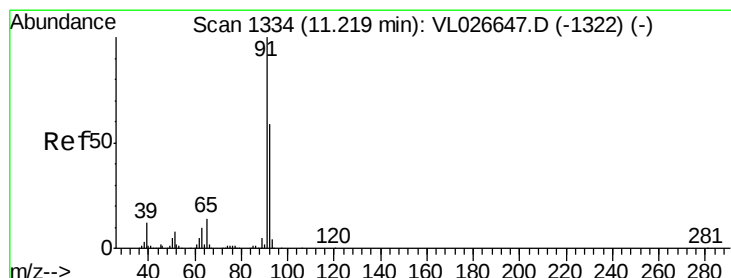
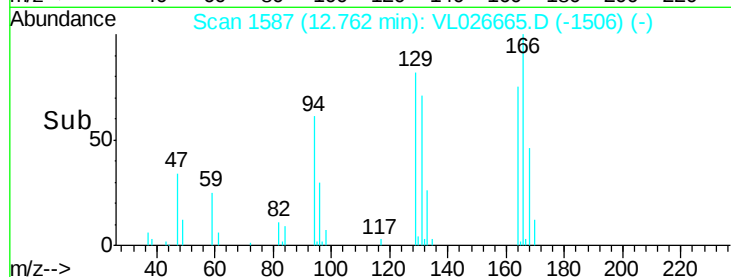
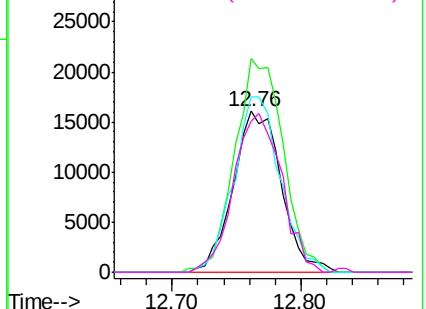


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.30 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026665.D

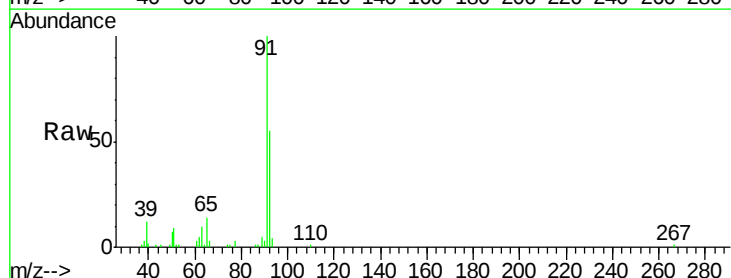
Acq: 9 Jan 2016 7:40

Tgt Ion: 91 Resp: 88307

Ion Ratio Lower Upper

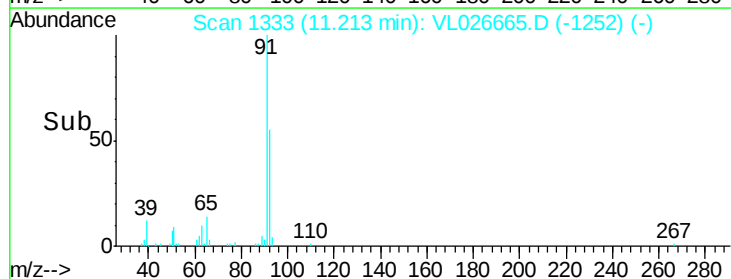
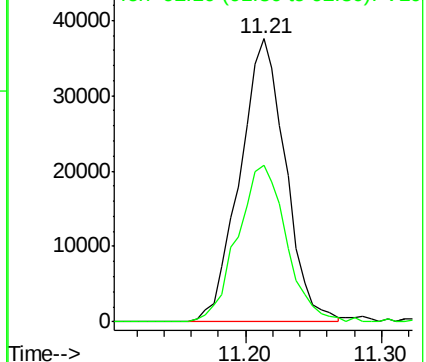
91 100

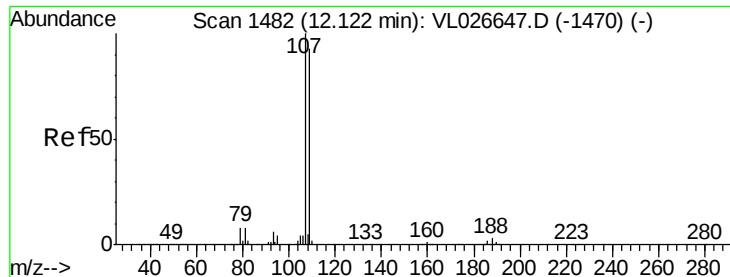
92 59.2 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

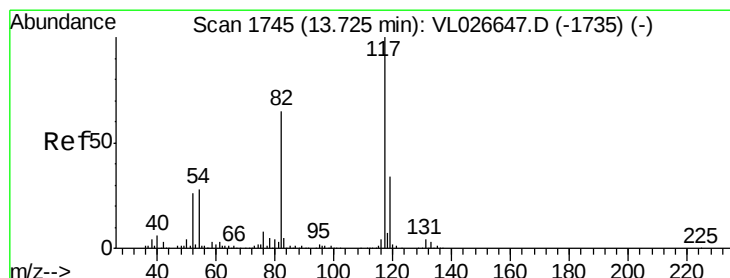
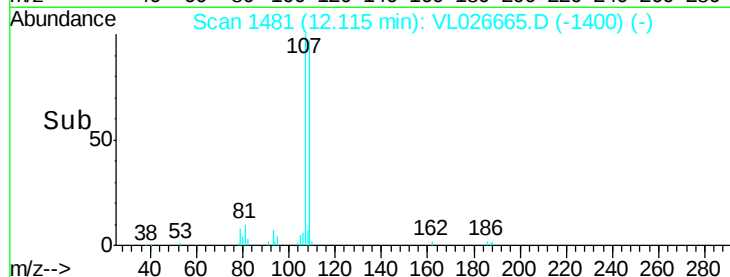
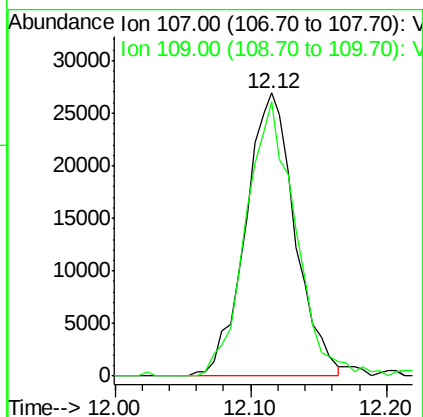
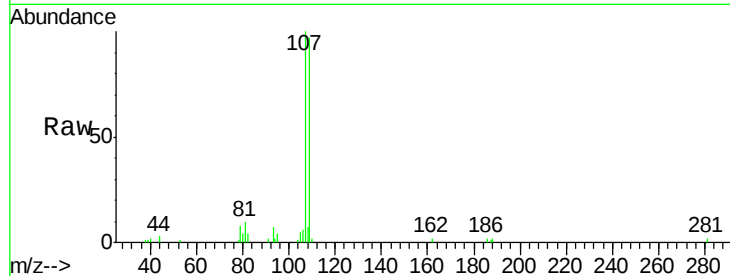




#54
 1,2-Dibromoethane
 Concen: 0.42 ppbv
 RT: 12.12 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

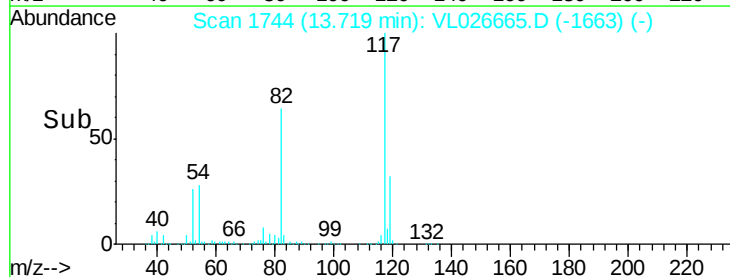
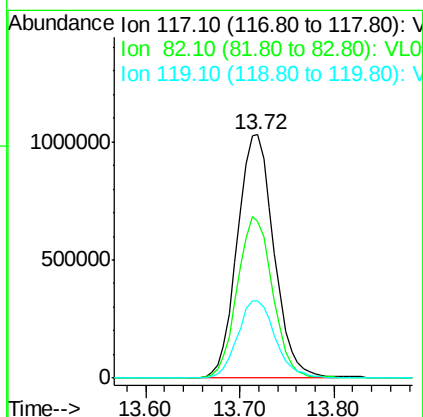
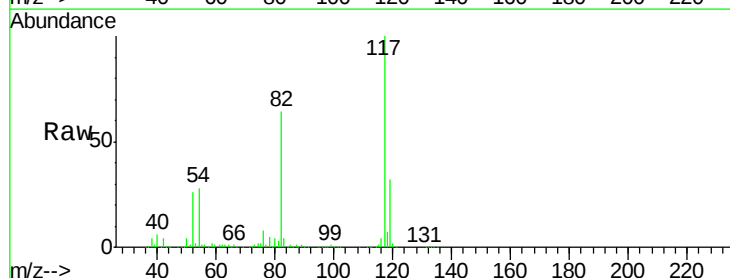
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

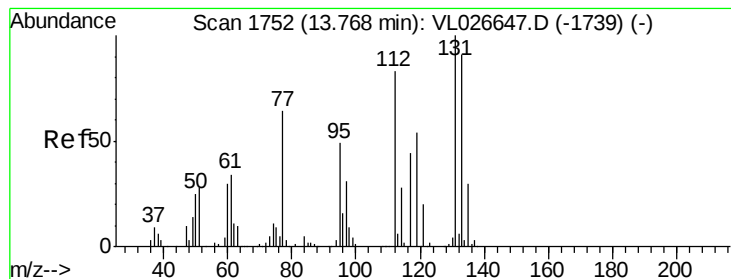
Tot Ion:107 Resp: 68388
 Ion Ratio Lower Upper
 107 100
 109 97.0 74.1 111.1



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 13.72 min Scan# 1744
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion:117 Resp: 2806469
 Ion Ratio Lower Upper
 117 100
 82 64.3 49.7 74.5
 119 33.2 43.8 65.8#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.45 ppbv

RT: 13.76 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

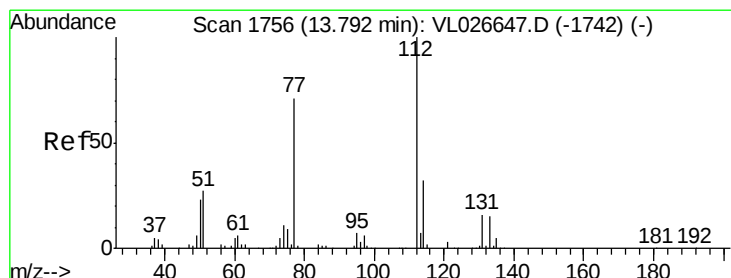
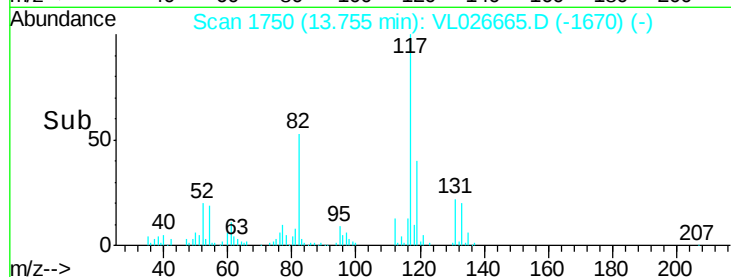
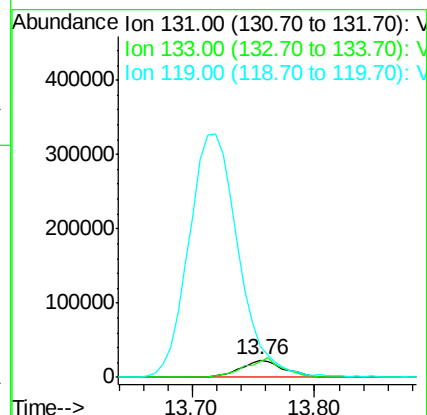
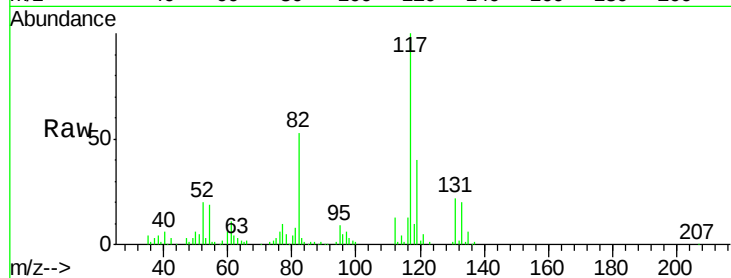
Tot Ion:131 Resp: 57986

Ion Ratio Lower Upper

131 100

133 96.9 76.2 114.4

119 1608.8 104.3 156.5#



#57

Chlorobenzene

Concen: 0.47 ppbv

RT: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

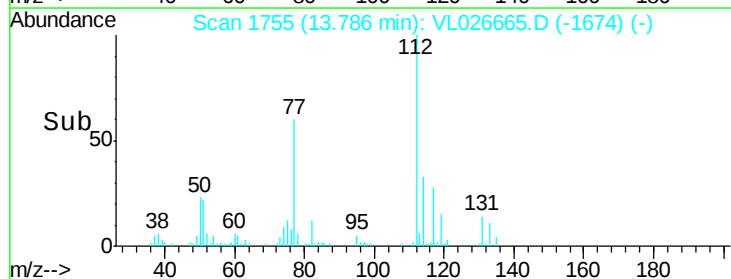
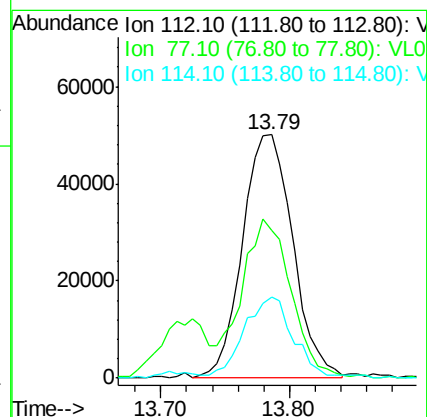
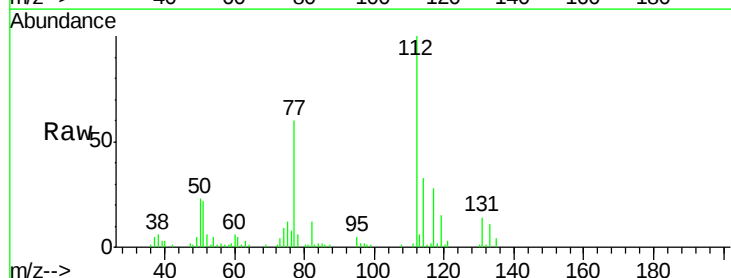
Tgt Ion:112 Resp: 135975

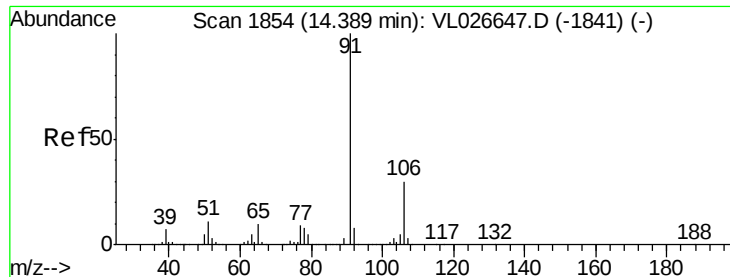
Ion Ratio Lower Upper

112 100

77 59.1 56.9 85.3

114 32.1 28.8 35.2





#58

Ethyl Benzene

Concen: 0.31 ppbv

RT: 14.39 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

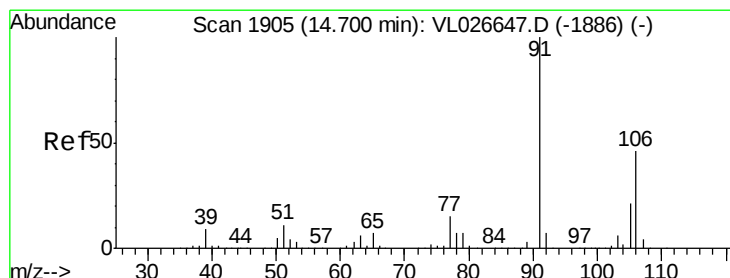
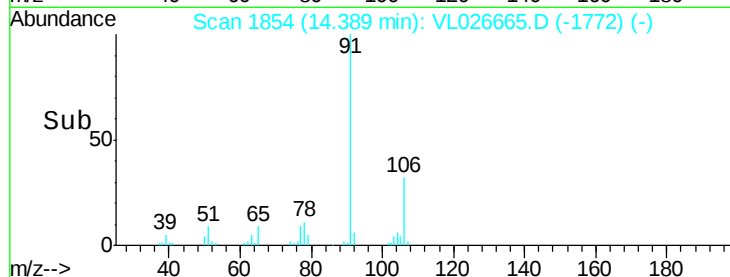
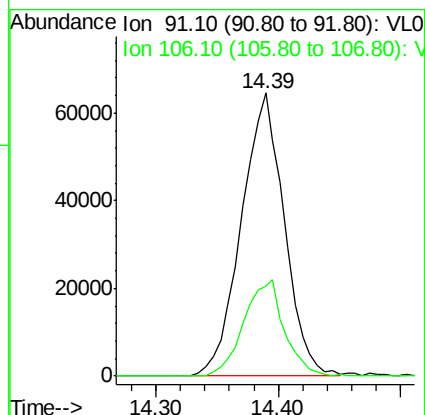
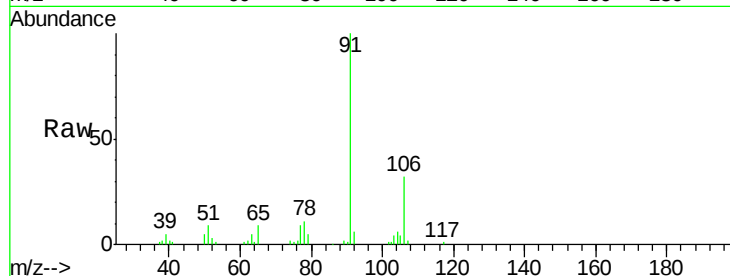
MDL-AIR-7

Tot Ion: 91 Resp: 157754

Ion Ratio Lower Upper

91 100

106 32.0 23.8 35.6



#59

m/p-Xylene

Concen: 0.53 ppbv

RT: 14.69 min Scan# 1903

Delta R.T. -0.01 min

Lab File: VL026665.D

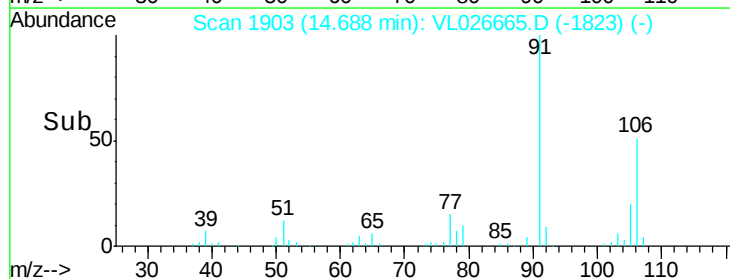
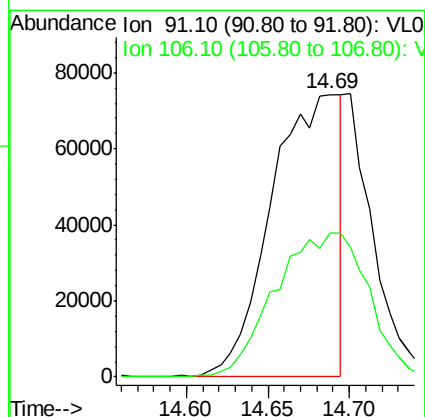
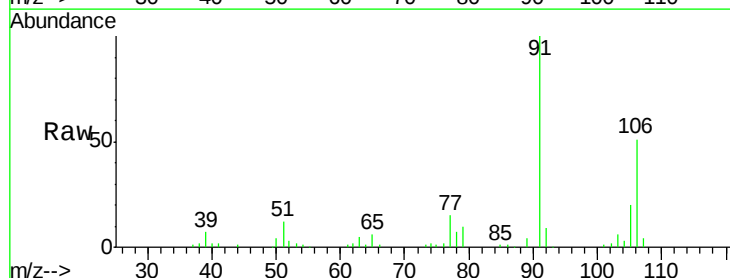
Acq: 9 Jan 2016 7:40

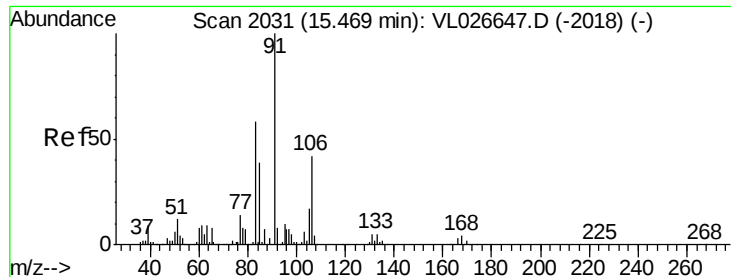
Tgt Ion: 91 Resp: 219669

Ion Ratio Lower Upper

91 100

106 68.7 36.6 55.0#





#60

o-Xylene

Concen: 0.43 ppbv

RT: 15.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

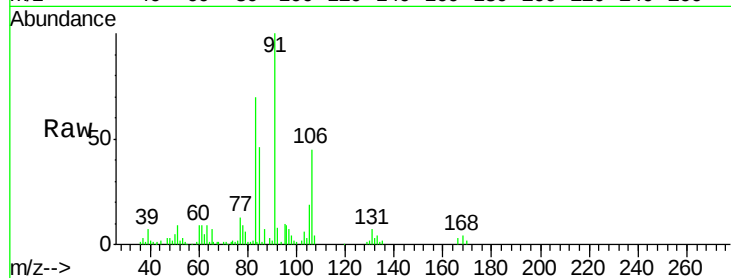
MDL-AIR-7

Tot Ion: 91 Resp: 192004

Ion Ratio Lower Upper

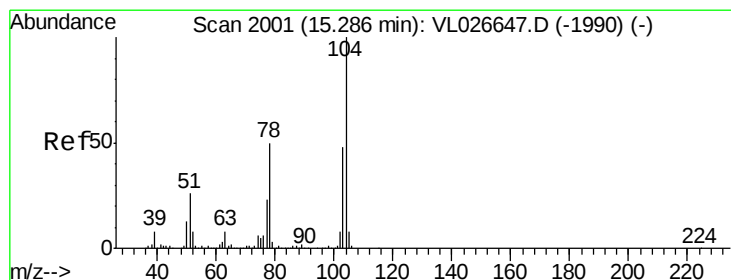
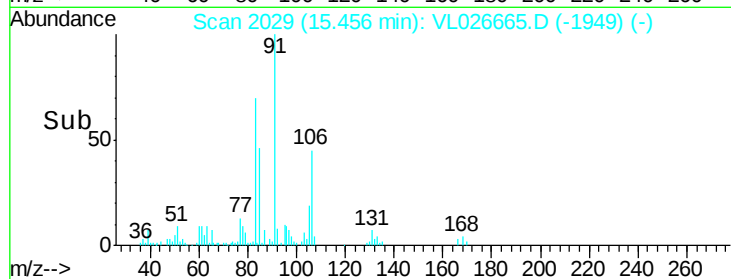
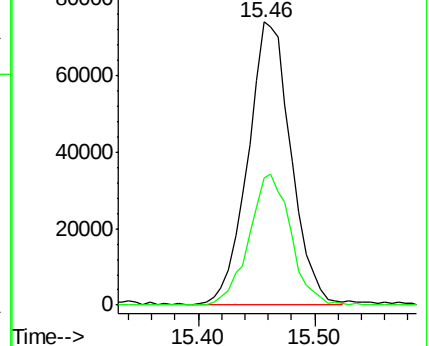
91 100

106 44.5 21.5 64.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): VL0



#61

Styrene

Concen: 0.18 ppbv

RT: 15.29 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

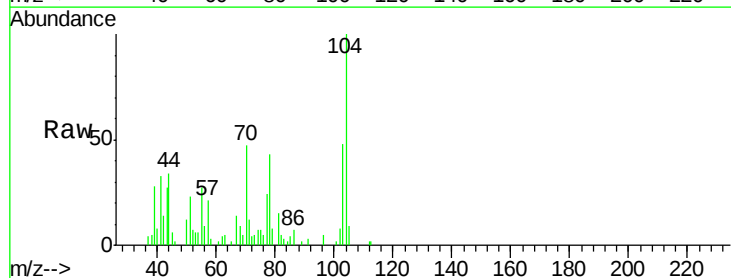
Tgt Ion: 104 Resp: 30685

Ion Ratio Lower Upper

104 100

78 82.7 39.6 59.4#

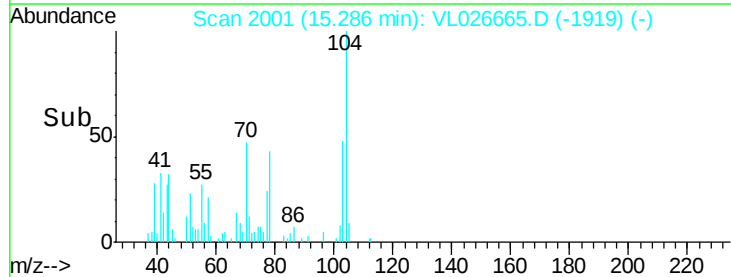
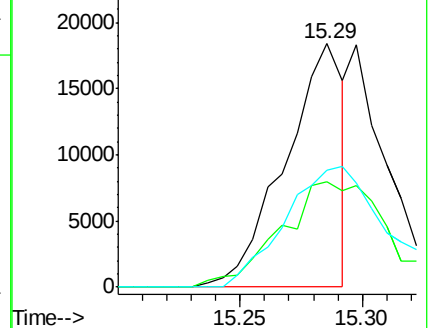
103 0.0 37.8 56.6#

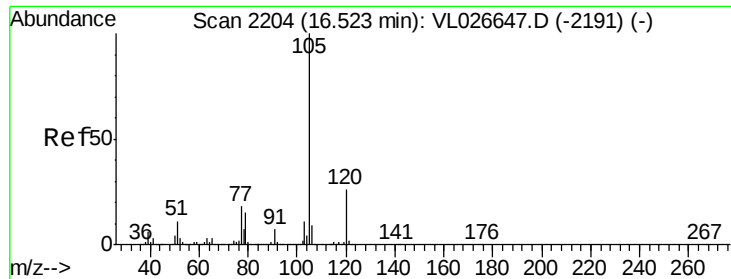


Abundance Ion 104.10 (103.80 to 104.80): VL0

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): VL0





#62

Isopropylbenzene

Concen: 0.39 ppbv

RT: 16.52 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

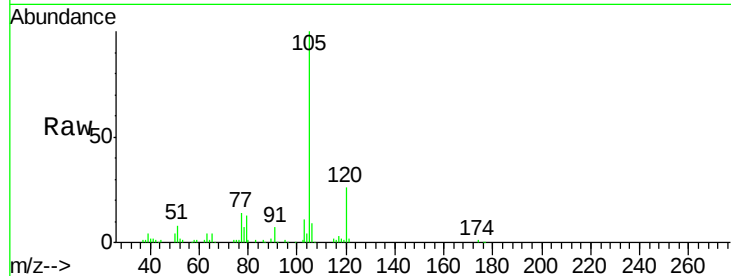
MDL-AIR-7

Tot Ion:105 Resp: 231130

Ion Ratio Lower Upper

105 100

120 26.1 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

100000

80000

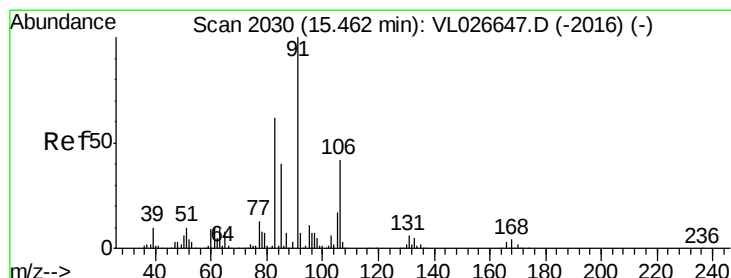
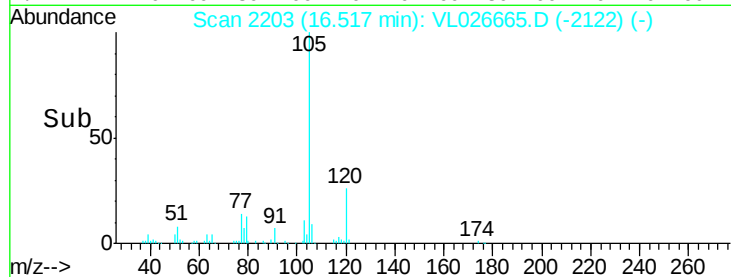
60000

40000

20000

0

Time--> 16.40 16.50 16.60



#63

1,1,2,2-Tetrachloroethane

Concen: 0.45 ppbv

RT: 15.46 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

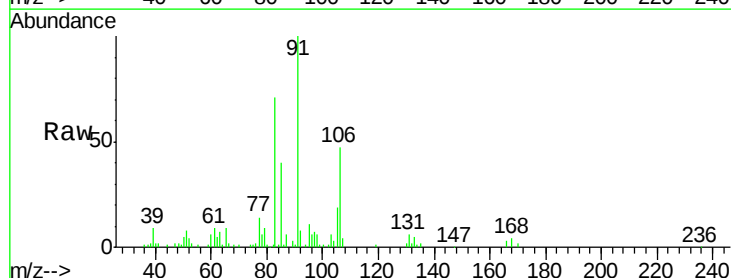
Tgt Ion: 83 Resp: 148773

Ion Ratio Lower Upper

83 100

131 8.4 4.5 13.4

85 64.2 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

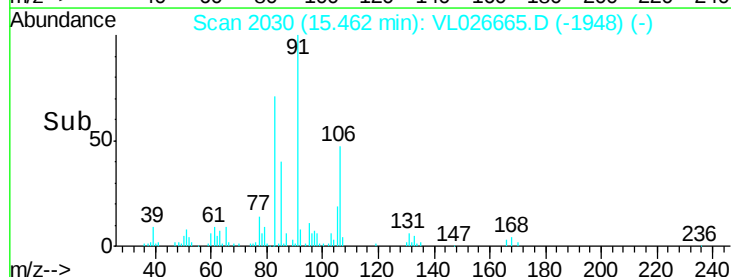
60000

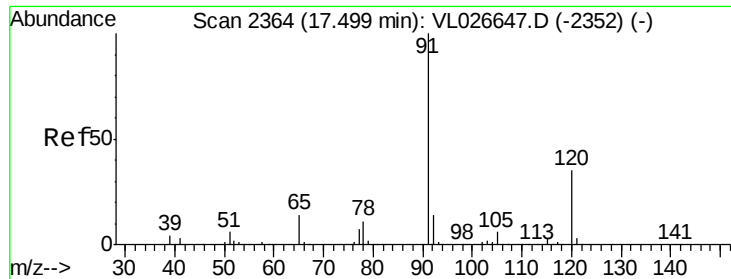
40000

20000

0

Time--> 15.40 15.50





#64

n-propylbenzene

Concen: 0.38 ppbv

RT: 17.49 min Scan# 2362

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

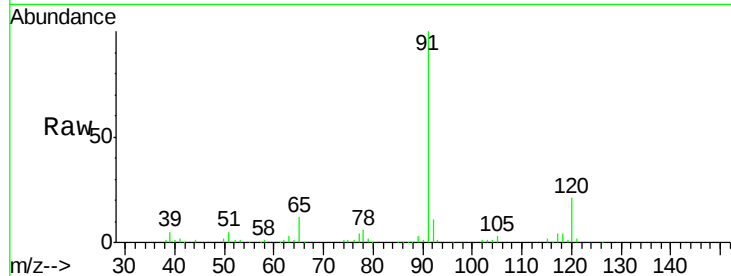
MDL-AIR-7

Tot Ion:120 Resp: 61012

Ion Ratio Lower Upper

120 100

91 505.4 375.8 563.6



Abundance Ion 120.20 (119.90 to 120.90): V

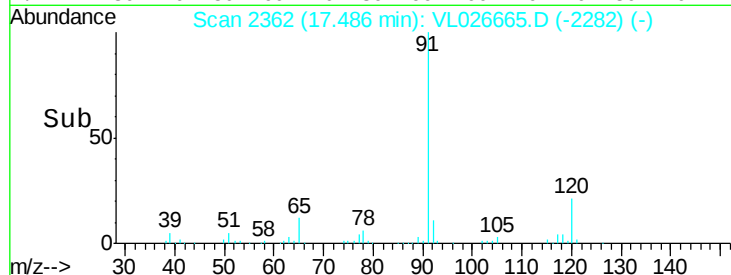
Ion 91.10 (90.80 to 91.80): VL0

100000

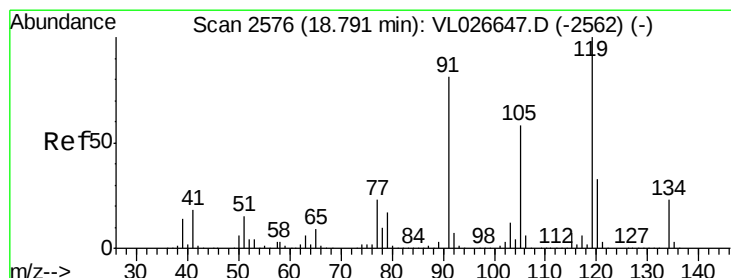
50000

0

17.40 17.50



Time-->



#65

tert-Butylbenzene

Concen: 0.42 ppbv

RT: 18.78 min Scan# 2575

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

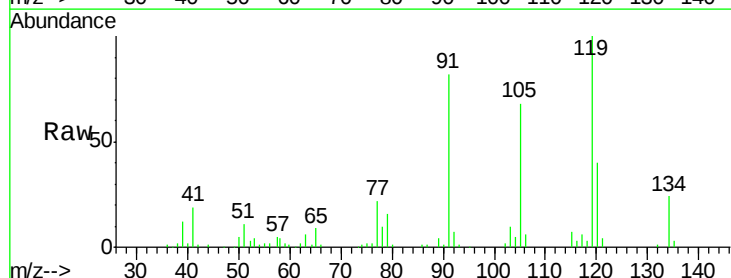
Tgt Ion:119 Resp: 227628

Ion Ratio Lower Upper

119 100

91 76.2 64.8 97.2

134 21.6 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

100000

80000

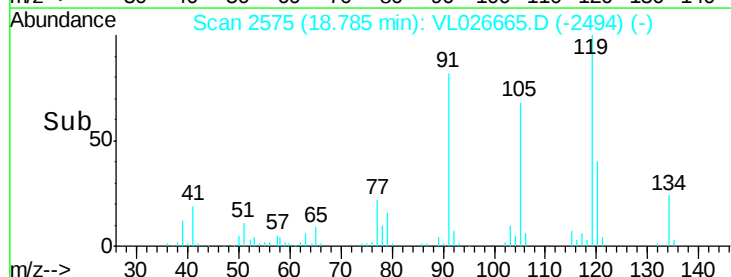
60000

40000

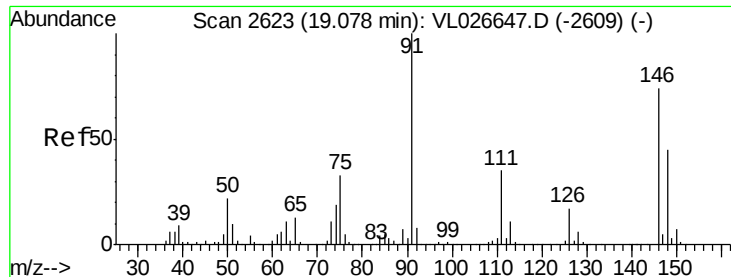
20000

0

18.70 18.80



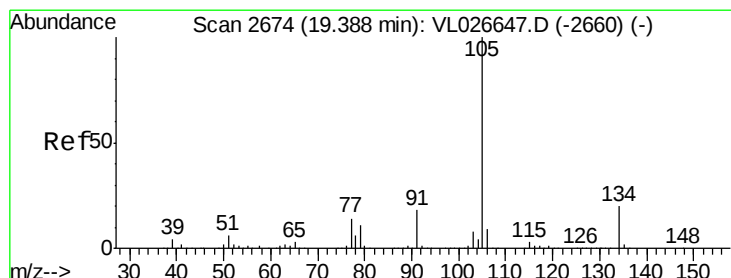
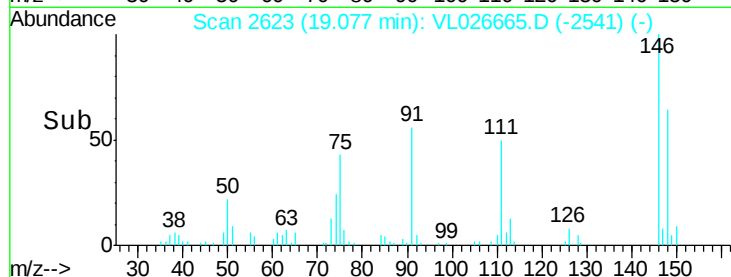
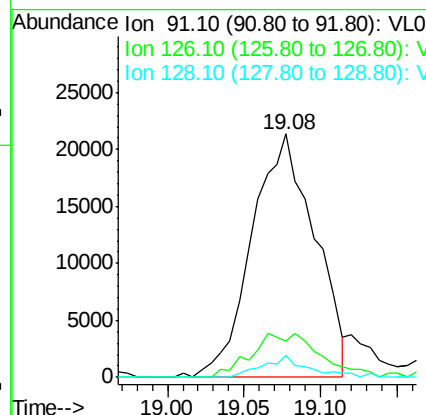
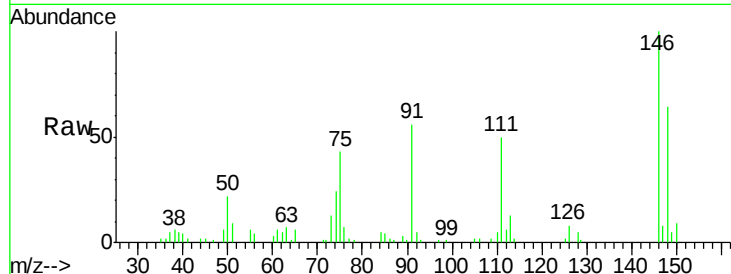
Time-->



#66
Benzyl Chloride
Concen: 0.31 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

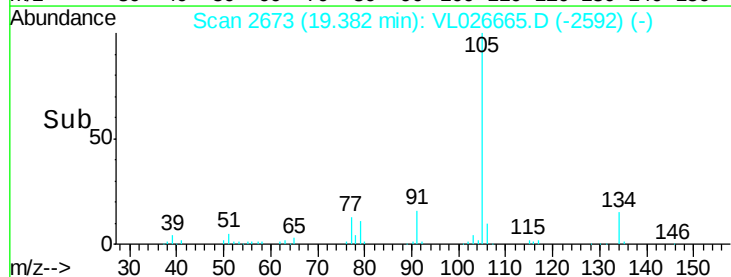
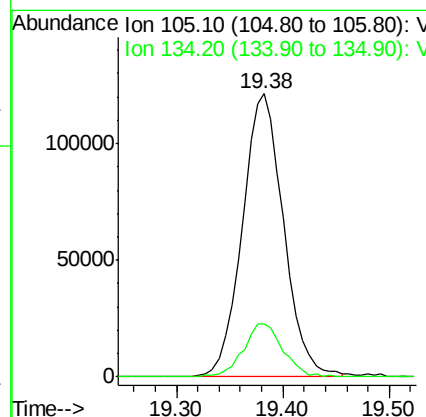
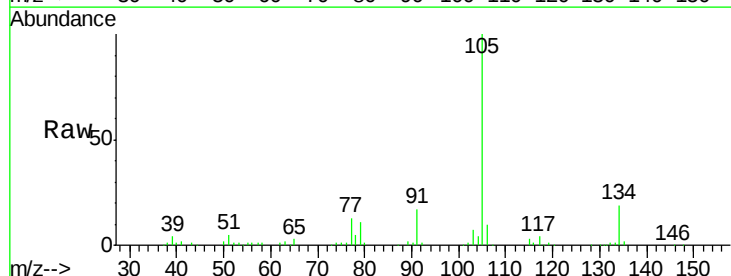
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

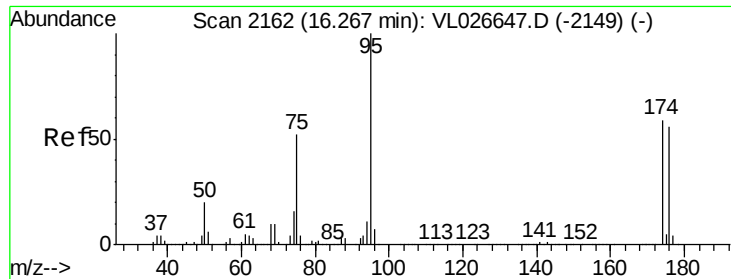
Tot Ion: 91 Resp: 60711
Ion Ratio Lower Upper
91 100
126 20.0 14.2 21.2
128 6.6 4.5 6.7



#67
sec-Butylbenzene
Concen: 0.41 ppbv
RT: 19.38 min Scan# 2673
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 105 Resp: 329132
Ion Ratio Lower Upper
105 100
134 18.2 14.9 22.3

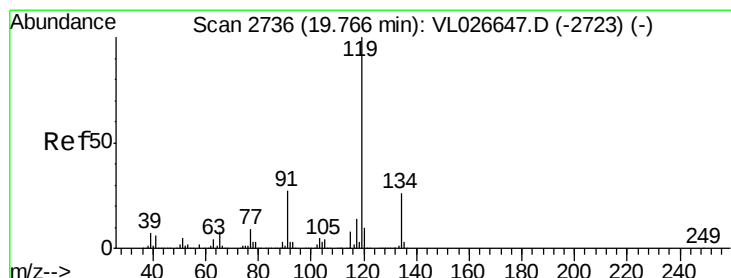
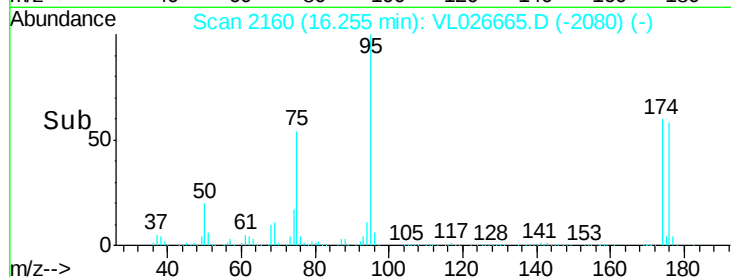
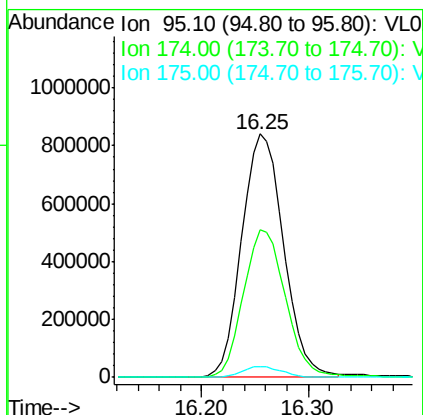
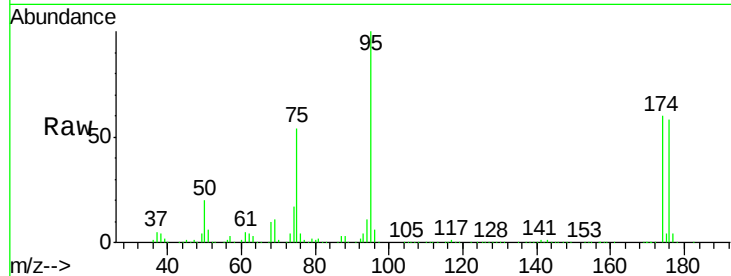




#68
1-Bromo-4-Fluorobenzene
Concen: 10.40 ppbv
RT: 16.25 min Scan# 2160
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

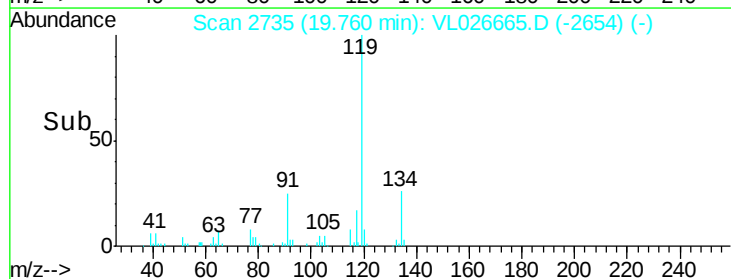
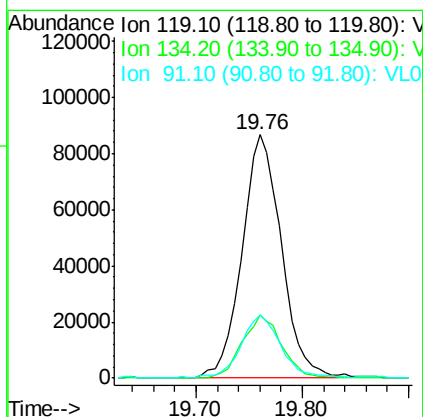
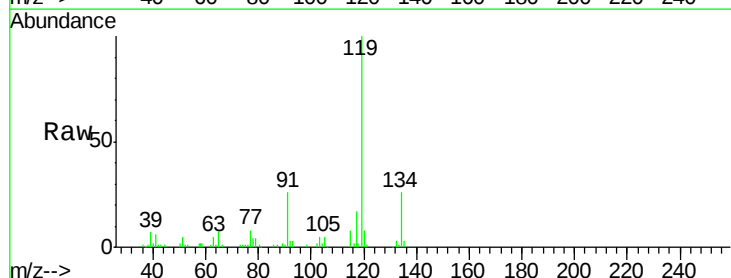
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

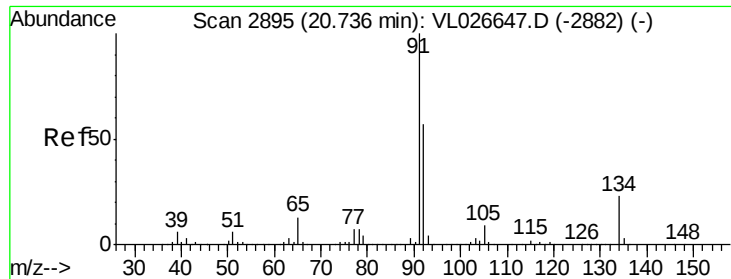
Tot Ion: 95 Resp: 2325779
Ion Ratio Lower Upper
95 100
174 61.3 47.8 71.8
175 4.4 3.6 5.4



#69
p-Isopropyltoluene
Concen: 0.37 ppbv
RT: 19.76 min Scan# 2735
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 119 Resp: 225219
Ion Ratio Lower Upper
119 100
134 26.0 20.6 31.0
91 26.5 21.7 32.5

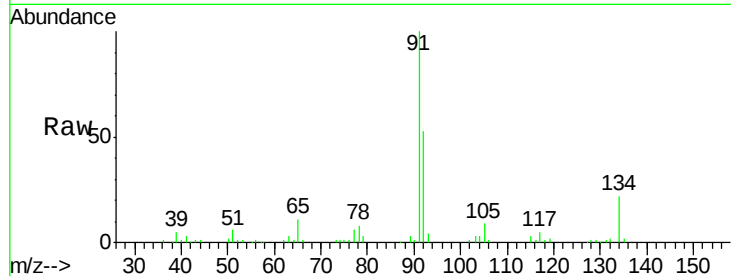




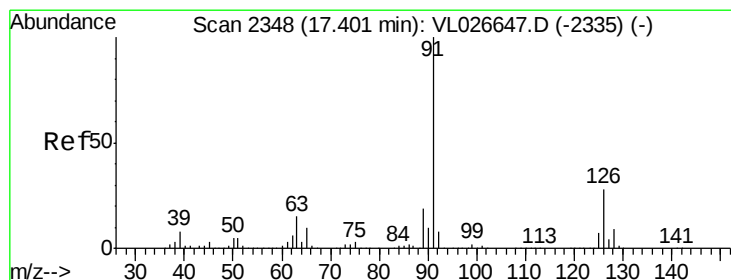
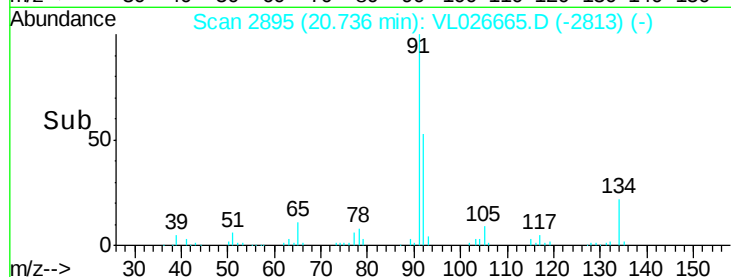
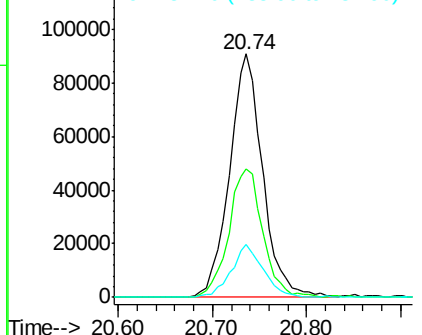
#70
n-Butylbenzene
Concen: 0.35 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion: 91 Resp: 221909
Ion Ratio Lower Upper
91 100
92 54.7 45.0 67.4
134 21.0 18.2 27.2

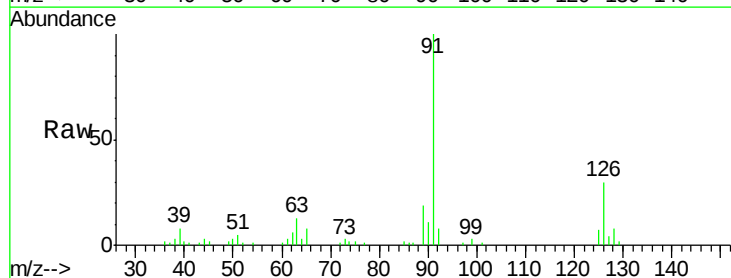


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

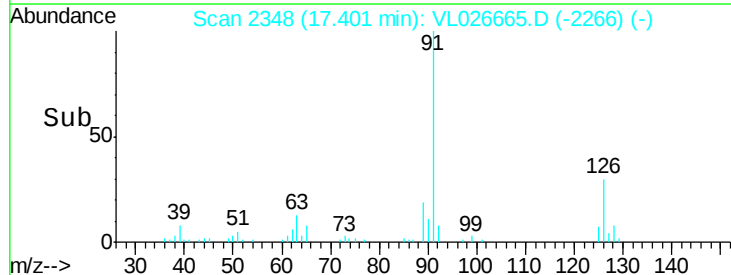
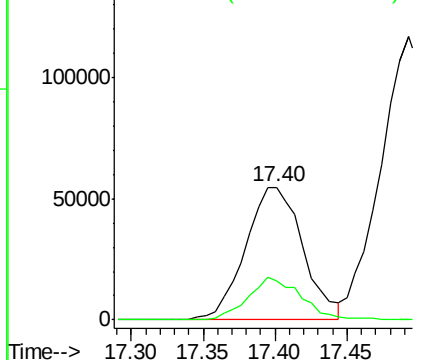


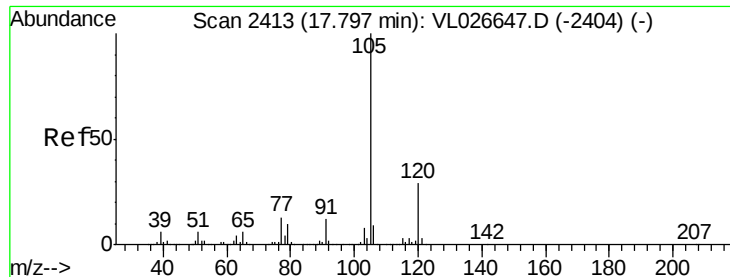
#71
2-Chlorotoluene
Concen: 0.33 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 91 Resp: 152372
Ion Ratio Lower Upper
91 100
126 30.0 11.4 45.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.34 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion:105 Resp: 172012

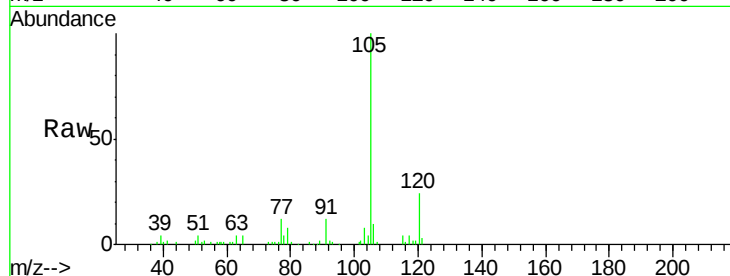
Ion Ratio Lower Upper

105 100

120 30.1 23.7 35.5

91 14.3 9.7 14.5

77 12.1 10.3 15.5

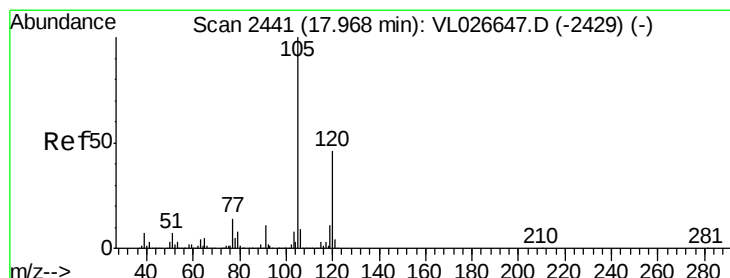
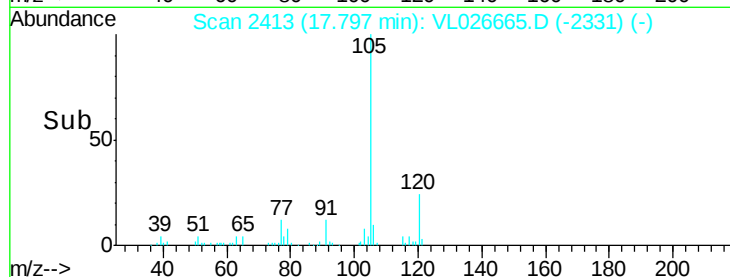
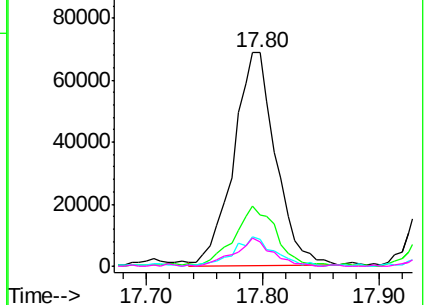


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.37 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL026665.D

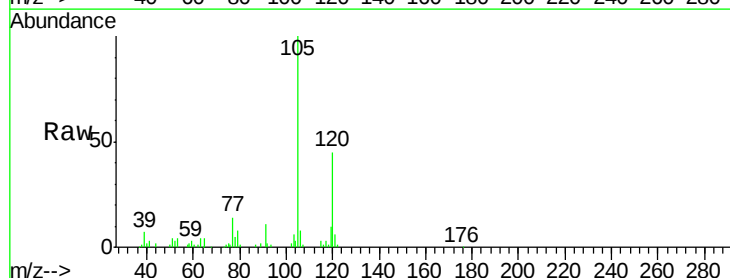
Acq: 9 Jan 2016 7:40

Tgt Ion:105 Resp: 175358

Ion Ratio Lower Upper

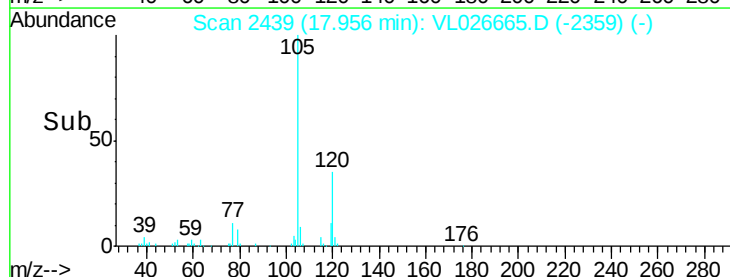
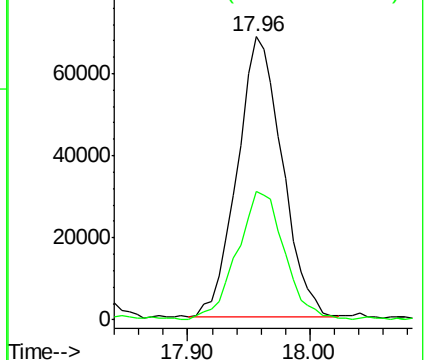
105 100

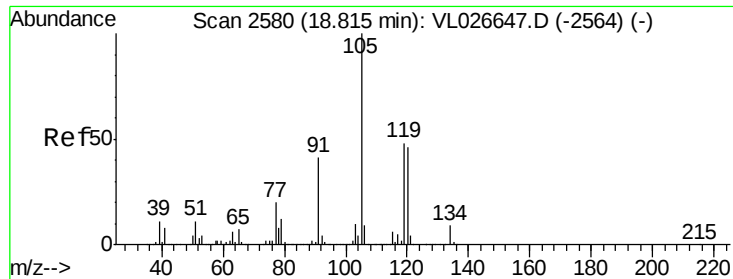
120 45.8 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

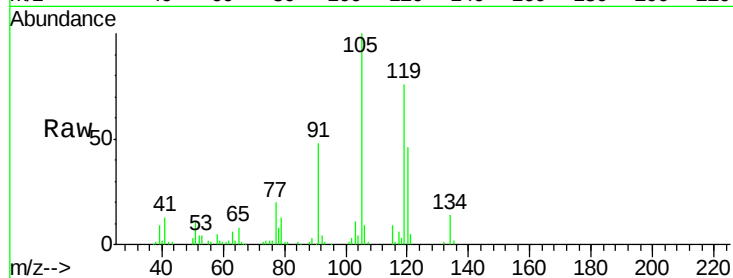




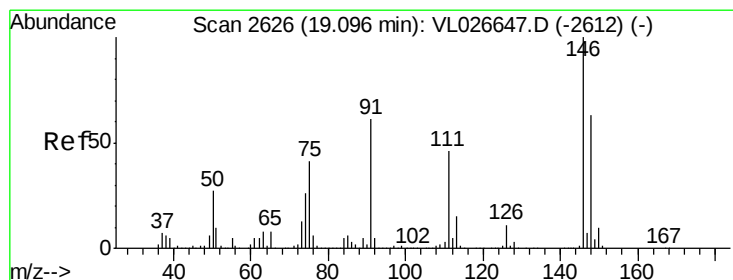
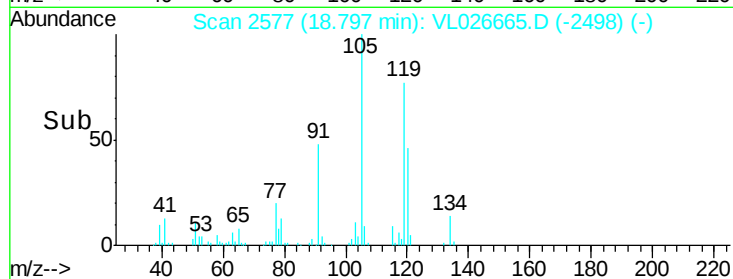
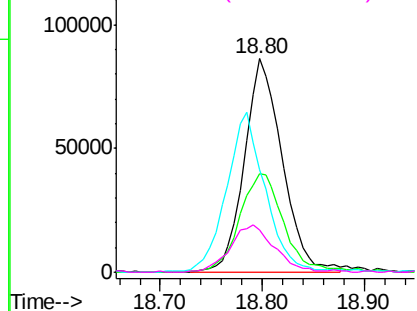
#74
 1,2,4-Trimethylbenzene
 Concen: 0.44 ppbv
 RT: 18.80 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.6	36.6	55.0
91	46.7	32.5	48.7
77	19.2	15.7	23.5

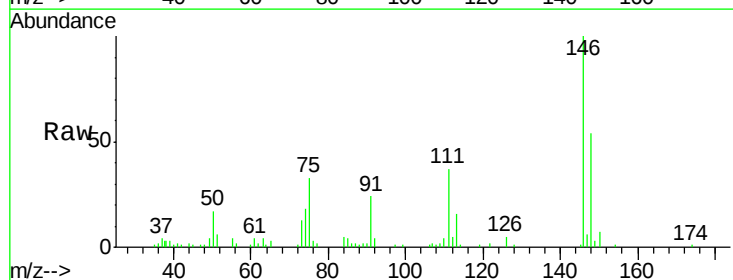


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

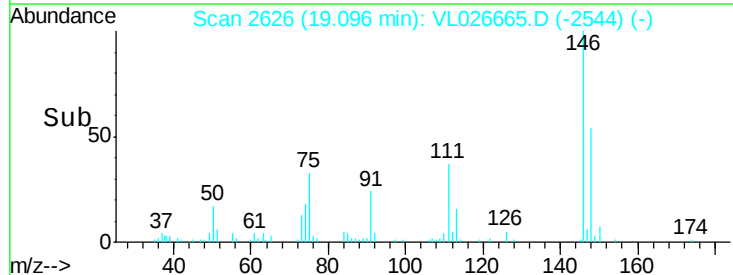
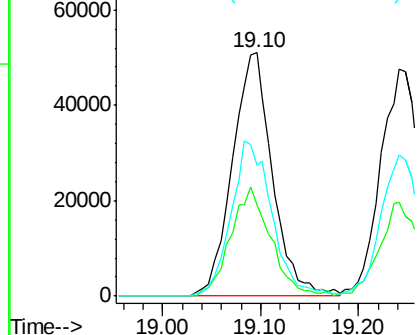


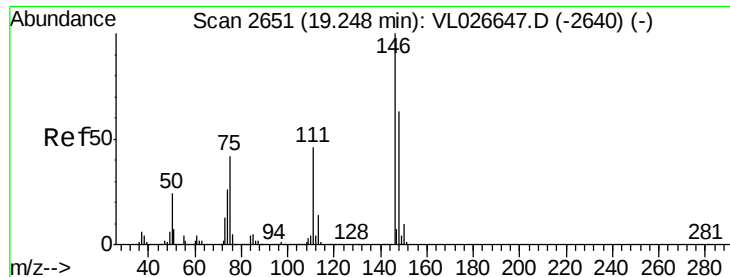
#75
 1,3-Dichlorobenzene
 Concen: 0.47 ppbv
 RT: 19.10 min Scan# 2626
 Delta R.T. -0.00 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.9	68.5
148	64.7	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

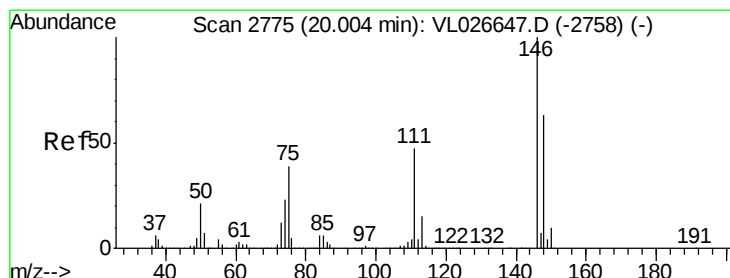
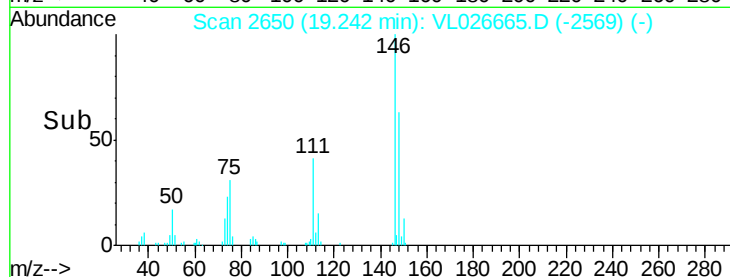
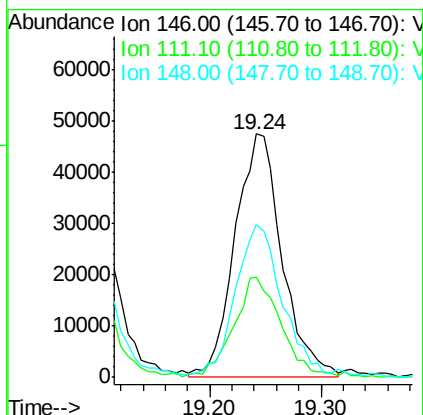
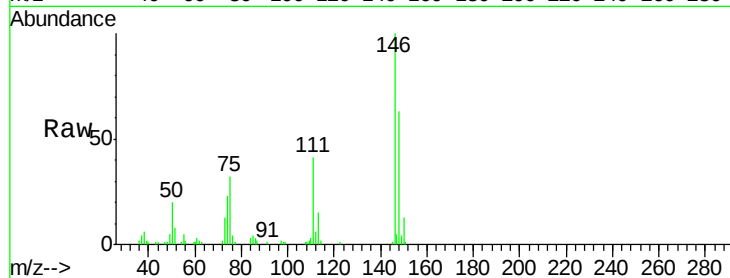




#76
 1,4-Dichlorobenzene
 Concen: 0.44 ppbv
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

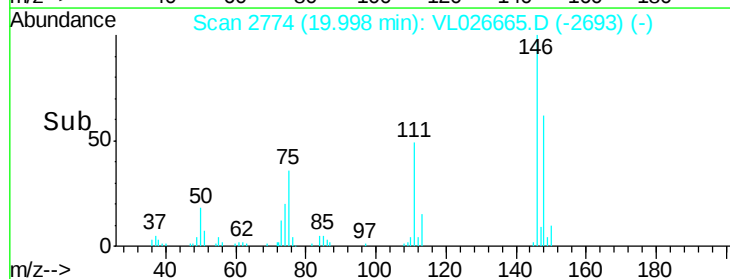
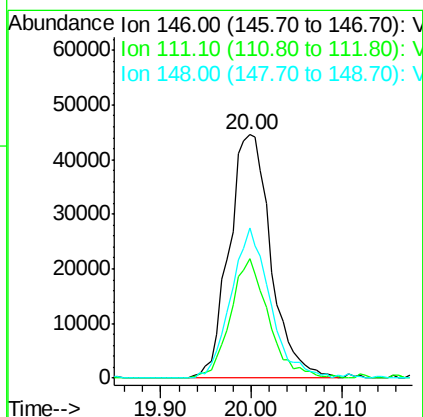
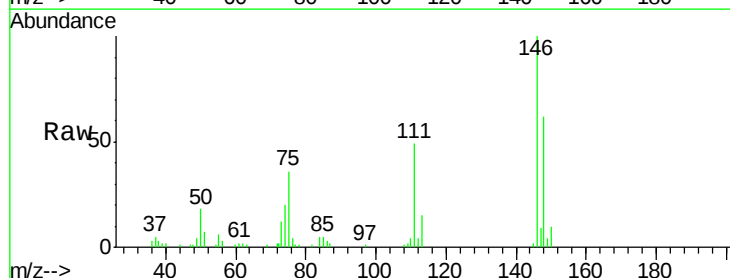
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

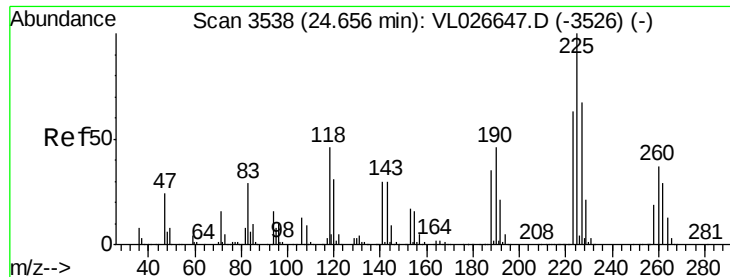
Tot Ion:146 Resp: 139532
 Ion Ratio Lower Upper
 146 100
 111 41.9 22.3 66.8
 148 64.5 31.9 95.9



#77
 1,2-Dichlorobenzene
 Concen: 0.45 ppbv
 RT: 20.00 min Scan# 2774
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion:146 Resp: 142545
 Ion Ratio Lower Upper
 146 100
 111 44.8 23.7 71.1
 148 58.5 31.1 93.5





#78

Hexachloro-1,3-Butadiene

Concen: 0.41 ppbv

RT: 24.65 min Scan# 3537

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

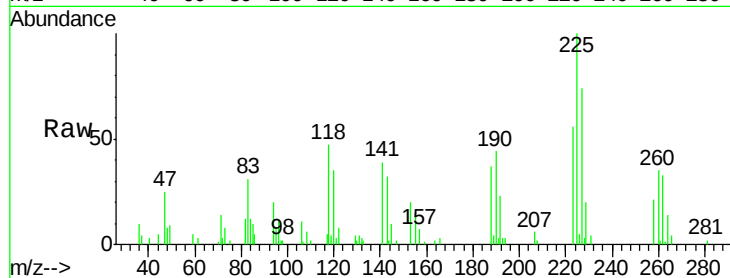
Tot Ion:225 Resp: 52716

Ion Ratio Lower Upper

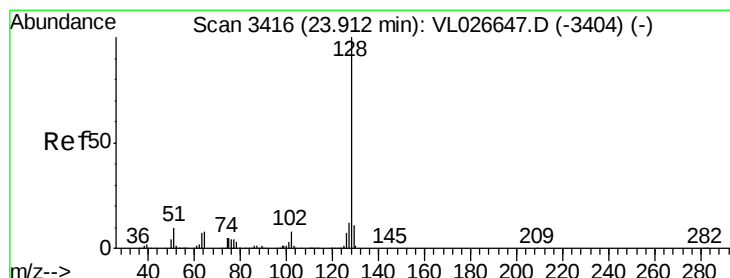
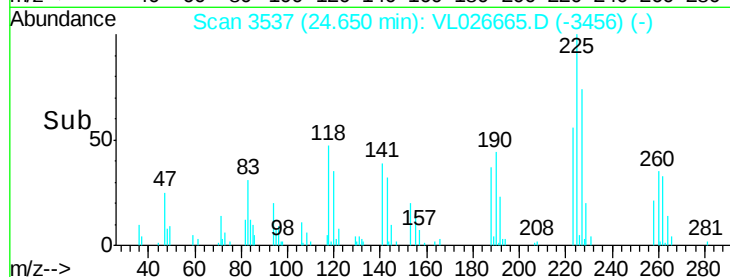
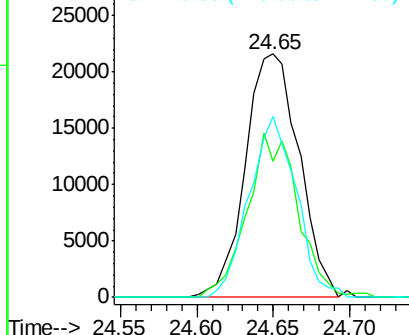
225 100

223 64.0 50.1 75.1

227 65.4 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: 0.26 ppbv

RT: 23.92 min Scan# 3417

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

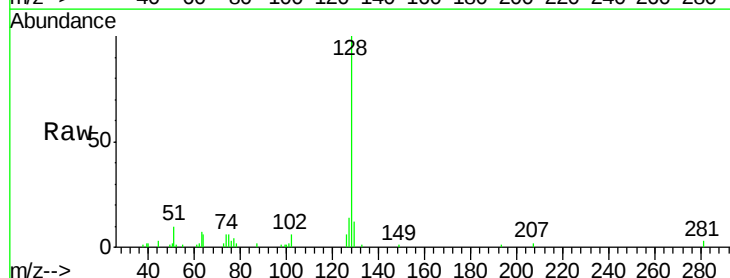
Tgt Ion:128 Resp: 86558

Ion Ratio Lower Upper

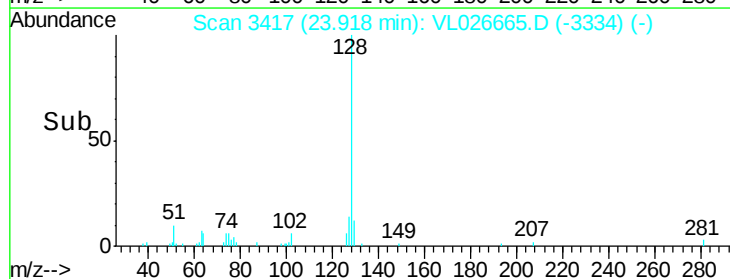
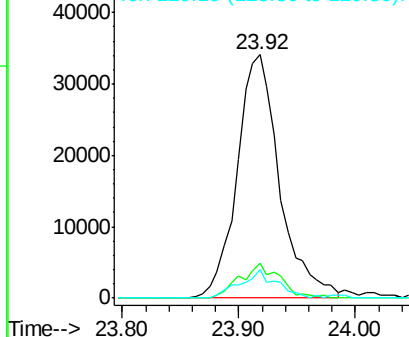
128 100

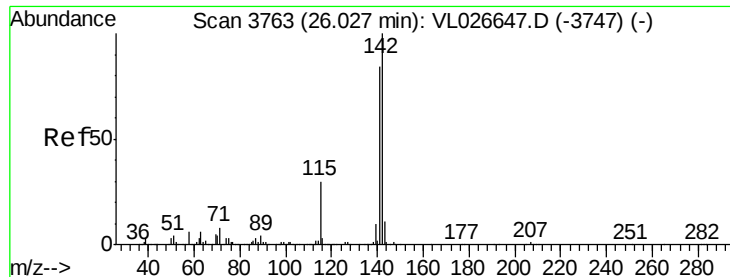
127 14.3 9.8 14.8

129 11.8 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: 0.28 ppbv

RT: 26.04 min Scan# 3765

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

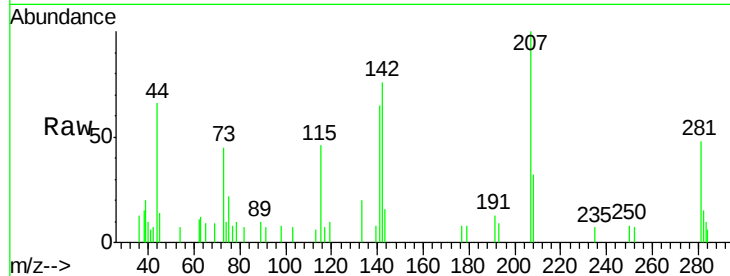
Tot Ion:142 Resp: 14722

Ion Ratio Lower Upper

142 100

141 86.9 67.0 100.6

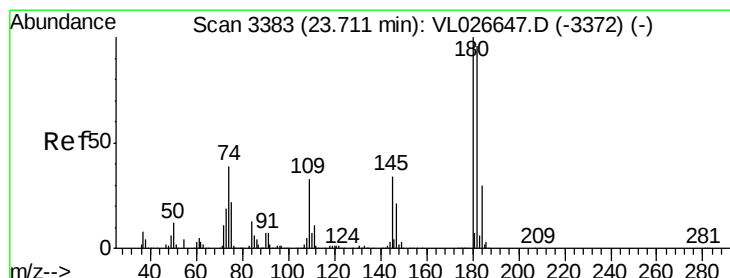
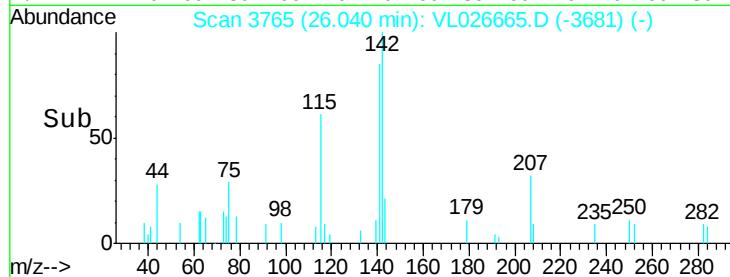
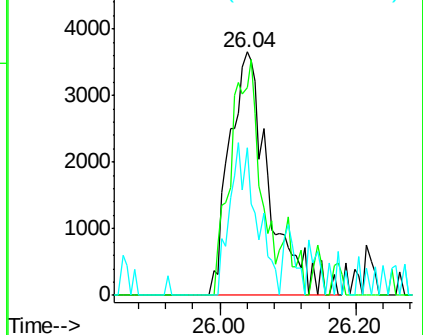
115 57.1 24.7 37.1#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.31 ppbv

RT: 23.71 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

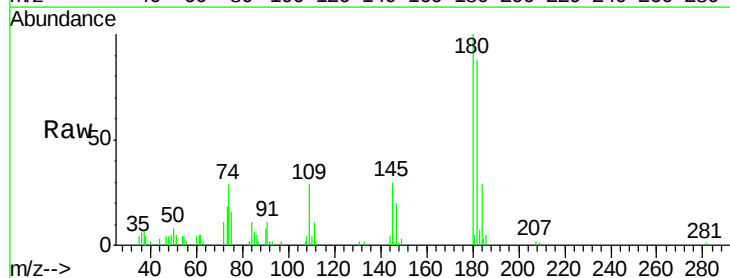
Tgt Ion:180 Resp: 48190

Ion Ratio Lower Upper

180 100

182 104.4 75.4 113.0

184 33.5 24.1 36.1



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

